RETURN WITH BID

Illinois Department of Transportation

Local Public Agency Formal Contract Proposal

PROPOSAL SUBMITTED BY		
Contractor's Name		
Street		P.O. Box
City	State	Zip Code

STATE OF ILLINOIS

COUNTY OF Cook

Village of Buffalo Grove

(Name of City, Village, Town or Road District)

FOR THE IMPROVEMENT OF

STREET NAME OR ROUTE NO. University Drive

SECTION NO. N/A

TYPES OF FUNDS General

☒ SPECIFICATIONS (required) ☒ PLANS (required)

For Municipal Projects

Submitted/Approved/Passed

☐ Mayor ☐ President of Board of Trustees ☒ Municipal Official

Date

~~Department of Transportation~~

~~☐ Released for bid based on limited review~~

~~Regional Engineer~~

~~Date~~

~~For County and Road District Projects~~

~~Submitted/Approved~~

~~Highway Commissioner~~

~~Date~~

~~Submitted/Approved~~

~~County Engineer/Superintendent of Highways~~

~~Date~~

Note: All proposal documents, including Proposal Guaranty Checks or Proposal Bid Bonds, should be stapled together to prevent loss when bids are processed.

RETURN WITH BID

NOTICE TO BIDDERS

County: Cook
Local Public Agency: Village of Buffalo Grove
Section Number: N/A
Route: University Drive

Sealed proposals for the improvement described below will be received at the office of Village Clerk,
50 Raupp Boulevard, Buffalo Grove, Illinois 60089 (Address) until 10:00 AM (Time) on August 8, 2019 (Date)

Sealed proposals will be opened and read publicly at the office of Village Clerk
50 Raupp Boulevard, Buffalo Grove, Illinois 60089 (Address) at 10:00 AM (Time) on August 8, 2019 (Date)

DESCRIPTION OF WORK

Name 2019 University Drive Street and Utility Improvement Project Length: 2,228 feet (0.42 miles)
Location University Drive: Buffalo Grove Road to Cambridge Court / Cambridge Drive
Proposed Improvement Force main replacement, watermain replacement including services, hydrants, and valves, roadway rehabilitation, and landscape restoration

1. Plans and proposal forms will be available online at vbg.org/bids (Proposal Fee = $0)
   (Address)
2. ☒ Prequalification
   If checked, the 2 low bidders must file within 24 hours after the letting an "Affidavit of Availability" (Form BC 57), in duplicate, showing all uncompleted contracts awarded to them and all low bids pending award for Federal, State, County, Municipal and private work. One original shall be filed with the Awarding Authority and one original with the IDOT District Office.
3. The Awarding Authority reserves the right to waive technicalities and to reject any or all proposals as provided in BLRS Special Provision for Bidding Requirements and Conditions for Contract Proposals.
4. The following BLR Forms shall be returned by the bidder to the Awarding Authority:
   a. BLR 12200: Local Public Agency Formal Contract Proposal
   b. BLR 12200a Schedule of Prices
   c. BLR 12230: Proposal Bid Bond (if applicable)
   d. BLR 12325: Apprenticeship or Training Program Certification (**do not use for federally funded projects**)
   e. BLR 12326: Affidavit of Illinois Business Office
5. The quantities appearing in the bid schedule are approximate and are prepared for the comparison of bids. Payment to the Contractor will be made only for the actual quantities of work performed and accepted or materials furnished according to the contract. The scheduled quantities of work to be done and materials to be furnished may be increased, decreased or omitted as hereinafter provided.
6. Submission of a bid shall be conclusive assurance and warranty the bidder has examined the plans and understands all requirements for the performance of work. The bidder will be responsible for all errors in the proposal resulting from failure or neglect to conduct an in depth examination. The Awarding Authority will, in no case be responsible for any costs, expenses, losses or changes in anticipated profits resulting from such failure or neglect of the bidder.
7. The bidder shall take no advantage of any error or omission in the proposal and advertised contract.
8. If a special envelope is supplied by the Awarding Authority, each proposal should be submitted in that envelope furnished by the Awarding Agency and the blank spaces on the envelope shall be filled in correctly to clearly indicate its contents. When an envelope other than the special one furnished by the Awarding Authority is used, it shall be marked to clearly indicate its contents. When sent by mail, the sealed proposal shall be addressed to the Awarding Authority at the address and in care of the official in whose office the bids are to be received. All proposals shall be filed prior to the time and at the place specified in the Notice to Bidders. Proposals received after the time specified will be returned to the bidder unopened.
9. Permission will be given to a bidder to withdraw a proposal if the bidder makes the request in writing or in person before the time for opening proposals.

10. All bidders are prohibited from making any contact with the Village President, Trustees, or any other official or employee of the Village (collectively, “Municipal Personnel”) with regard to the Project, other than in the manner and to the person (s) designated herein. The Buffalo Grove Village Manager reserves the right to disqualify any bidder that is found to have contacted Municipal Personnel in any manner with regard to the Project. Additionally, if the Buffalo Grove Village Manager determines that the contact with Municipal Personnel was in violation of any provision of 720 ILCS 5/33E, the matter will be turned over to the State’s Attorney for review and prosecution.

    All communication during the bid period of this project shall be directed to:

    BLA, Inc
    Attn: Matthew Cesario
    333 Pierce Road, Suite 200
    Itasca, Illinois 60503
    Ph: 630-438-6400
    mcesario@bla-inc.com

PROPOSAL

County Cook
Local Public Agency Village of Buffalo Grove
Section Number N/A
Route University Drive

1. Proposal of _____

for the improvement of the above section by the construction of watermain, forcemain, and roadway rehabilitation

a total distance of 2,228 feet, of which a distance of 2,228 feet, (0.42 miles) are to be improved.

2. The plans for the proposed work are those prepared by BLA, Inc
~~and approved by the Department of Transportation on~~ _____
3. The specifications referred to herein are those prepared by the Department of Transportation and designated as "Standard Specifications for Road and Bridge Construction" and the "Supplemental Specifications and Recurring Special Provisions" thereto, adopted and in effect on the date of invitation for bids.
4. The undersigned agrees to accept, as part of the contract, the applicable Special Provisions indicated on the "Check Sheet for Recurring Special Provisions" contained in this proposal.
5. The undersigned agrees to complete the work within _____ working days or by November 15, 2019 unless additional time is granted in accordance with the specifications.
6. A proposal guaranty in the proper amount, as specified in BLRS Special Provision for Bidding Requirements and Conditions for Contract Proposals, will be required. Bid Bonds will be allowed as a proposal guaranty. Accompanying this proposal is either a bid bond if allowed, on Department form BLR 12230 or a proposal guaranty check, complying with the specifications, made payable to:

Village Treasurer of Buffalo Grove

The amount of the check is Bid Bond (10% of Total Bid) (_____).

7. In the event that one proposal guaranty check is intended to cover two or more proposals, the amount must be equal to the sum of the proposal guaranties, which would be required for each individual proposal. If the proposal guaranty check is placed in another proposal, it will be found in the proposal for: Section Number N/A_____.
8. The successful bidder at the time of execution of the contract will be required to deposit a contract bond for the full amount of the award. When a contract bond is not required, the proposal guaranty check will be held in lieu thereof. If this proposal is accepted and the undersigned fails to execute a contract and contract bond as required, it is hereby agreed that the Bid Bond or check shall be forfeited to the Awarding Authority.
9. Each pay item should have a unit price and a total price. If no total price is shown or if there is a discrepancy between the product of the unit price multiplied by the quantity, the unit price shall govern. If a unit price is omitted, the total price will be divided by the quantity in order to establish a unit price.
10. A bid will be declared unacceptable if neither a unit price nor a total price is shown.
11. The undersigned submits herewith the schedule of prices on BLR 12200a covering the work to be performed under this contract.
12. The undersigned further agrees that if awarded the contract for the sections contained in the combinations on BLR 12200a, the work shall be in accordance with the requirements of each individual proposal for the multiple bid specified in the Schedule for Multiple Bids below.

RETURN WITH BID

SCHEDULE OF PRICES

A bid will be declared unacceptable if neither a unit price nor total price is shown.

County Cook
Local Public Agency Village of Buffalo Grove
Section N/A
Route University Drive

Schedule for Multiple Bids

Combination Letter	Sections Included in Combinations	Total

Schedule for Single Bid

(For complete information covering these items, see plans and specifications)

Bidder's Proposal for making Entire Improvements

Item No.	Items	Unit	Quantity	Unit Price	Total
1	TREE TRUNK PROTECTION	EACH	46		
2	TREE ROOT PRUNING	EACH	30		
3	SUPPLEMENTAL WATERING	UNIT	15		
4	INLET FILTERS	EACH	18		
5	GYMNOCLADUS DIOICUS (KENTUCKY COFFEETREE), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	7		
6	TEMPORARY LANDSCAPE RESTORATION (SPECIAL)	SQ YD	143		
7	TEMPORARY EROSION CONTROL SEEDING	SQ YD	143		
8	(TEMPORARY) MULCH METHOD 3	SQ YD	143		
9	GENERAL LANDSCAPE RESTORATION (SPECIAL)	SQ YD	1,430		
10	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	194		
11	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	104		
12	PAVEMENT REMOVAL	SQ YD	7,757		
13	DRIVEWAY PAVEMENT REMOVAL	SQ YD	57		
14	COMBINATION CURB AND GUTTER REMOVAL	FOOT	850		
15	SIDEWALK REMOVAL	SQ FT	2,473		
16	REMOVE AND STACK BRICK PAVER DRWY PVMT (SPECIAL)	SQ FT	65		
17	SANITARY/STORM SEWER TO BE REMOVED, UP TO 15 INCHES (SPECIAL)	FOOT	248		
18	STORM SEWER REMOVAL 24"	FOOT	141		
19	REMOVING MANHOLES	EACH	1		
20	VALVE BOXES TO BE REMOVED	EACH	52		
21	FIRE HYDRANT TO BE REMOVED (SPECIAL)	EACH	6		
22	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	194		
23	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	388		
24	PREPARATION OF BASE	SQ YD	7,757		
25	TRENCH BACKFILL - COURSE AGGREGATE, CA-11 (SPECIAL)	CU YD	4,423		
26	TRENCH BACKFILL - FA-1 (SPECIAL)	CU YD	791		
27	AGGREGATE BASE COURSE, TYPE B (SPECIAL)	TON	2,996		
28	BITUMINOUS MATERIALS (TACK COAT)	POUND	5,236		
29	LONGITUDINAL JOINT SEALANT	FOOT	2,122		
30	PROTECTIVE COAT	SQ YD	507		
31	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	SQ YD	57		
32	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	2,279		
33	DETECTABLE WARNINGS (SPECIAL)	SQ FT	20		
34	DETECTABLE WARNINGS, FURNISHED BY OTHERS (SPECIAL)	SQ FT	64		
35	CLASS B PATCHES, TYPE I, 9 INCH	SQ YD	10		
36	CLASS B PATCHES, TYPE II, 9 INCH	SQ YD	10		
37	CLASS B PATCHES, TYPE III, 9 INCH	SQ YD	10		
38	CLASS B PATCHES, TYPE IV, 9 INCH	SQ YD	252		
39	CLASS D PATCHES, TYPE I-IV, 4.5 (SPECIAL)	SQ YD	20		
40	COMBINATION CONCRETE CURB AND GUTTER, VARIES (SPECIAL)	FOOT	791		
41	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	59		
42	HOT-MIX ASPHALT BINDER COURSE (SPECIAL)	TON	1,086		
43	HOT-MIX ASPHALT SURFACE COURSE (SPECIAL)	TON	869		
44	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	15		
45	VALVE VAULTS TO BE ABANDONED	EACH	4		

RETURN WITH BID

Item No.	Items	Unit	Quantity	Unit Price	Total
46	WATER VALVES 10"	EACH	10		
47	WATER VALVES 12"	EACH	2		
48	VALVE VAULTS, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	16		
49	WATERMAIN, DUCTILE IRON PIPE, CLASS 52, 6" (SPECIAL)	FOOT	121		
50	WATERMAIN, DUCTILE IRON PIPE, CLASS 52, 8" (SPECIAL)	FOOT	38		
51	WATERMAIN, DUCTILE IRON PIPE, CLASS 52, 10" (SPECIAL)	FOOT	2,322		
52	WATERMAIN, DUCTILE IRON PIPE, CLASS 52, 12" (SPECIAL)	FOOT	130		
53	WATERMAIN, DUCTILE IRON PIPE, CLASS 52, INSULATED 10" (SPECIAL)	FOOT	50		
54	WATER SERVICE, TYPE K COPPER, 1" (SPECIAL)	FOOT	1,302		
55	WATER SERVICE, CONNECT EXISTING, COMPLETE (SPECIAL)	EACH	52		
56	WATER SERVICE, B-BOX FRAME & LID (SPECIAL)	EACH	52		
57	WATER SERVICE, TAP 1" COMPLETE (SPECIAL)	EACH	52		
58	PRESSURE CONNECTION, 6" X 6", COMPLETE (SPECIAL)	EACH	4		
59	PRESSURE CONNECTION, 8" X 8", COMPLETE (SPECIAL)	EACH	2		
60	FIRE HYDRANT ASSEMBLY, COMPLETE (SPECIAL)	EACH	8		
61	CUT AND CAP EXISTING WATER MAIN (SPECIAL)	EACH	5		
62	FILL AND ABANDON EXISTING WATER MAIN (SPECIAL)	CU YD	171		
63	CONNECTION TO EXISTING WATER MAIN (SPECIAL)	EACH	3		
64	MANHOLES, SANITARY, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1		
65	INSPECTION MANHOLES, TYPE 1 FRAME, CLOSED LID	EACH	1		
66	FILL AND ABANDON EXISTING FORCE MAIN (SPECIAL)	CU YD	160		
67	FORCEMAIN, 10" PVC, C900, DR14 (SPECIAL)	FOOT	2,167		
68	STORM SEWERS TO BE CLEANED 12"	FOOT	50		
69	DRAINAGE STRUCTURES TO BE CLEANED	EACH	10		
70	DRAINAGE STRUCTURES TO BE RECONSTRUCTED	EACH	5		
71	STORM SEWERS, TYPE 2, WATER MAIN QUALITY PIPE, 12"	FOOT	239		
72	STORM SEWERS, TYPE 2, WATER MAIN QUALITY PIPE, 15"	FOOT	53		
73	STORM SEWERS, TYPE 2, WATER MAIN QUALITY PIPE, 24"	FOOT	141		
74	PIPE UNDERDRAINS 4"	FOOT	860		
75	CONNECT NEW STM SWR TO EX STM STR (SPECIAL)	EACH	12		
76	WASHOUT BASIN	L SUM	1		
77	STABILIZED CONSTRUCTION ENTRANCE	SQ YD	110		
78	TEMPORARY PAVEMENT MARKING REMOVAL	SQ FT	168		
79	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	84		
80	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	84		
81	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	66		
82	POLYUREA PAVEMENT MARKING TYPE I - LINE 6"	FOOT	105		
83	POLYUREA PAVEMENT MARKING TYPE I - LINE 24"	FOOT	18		
84	CHANGEABLE MESSAGE SIGN	CAL DA	180		
85	TEMPORARY INFORMATION SIGNING	SQ FT	180		
86	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1		
87	TRAFFIC CONTROL AND PROTECTION - BUFFALO GROVE ROAD, (SPECIAL)	L SUM	1		
88	REMOVE AND RESET MAILBOXES (SPECIAL)	EACH	28		
89	MOWING (SPECIAL)	EACH	10		
90	CONSTRUCTION LAYOUT	L SUM	1		
91	MOBILIZATION	L SUM	1		
				TOTAL BID	

CONTRACTOR CERTIFICATIONS

County: Cook
Local Public Agency: Village of Buffalo Grove
Section Number: N/A
Route: University Drive

The certifications hereinafter made by the bidder are each a material representation of fact upon which reliance is placed should the Department enter into the contract with the bidder.

1. **Debt Delinquency.** The bidder or contractor or subcontractor, respectively, certifies that it is not delinquent in the payment of any tax administered by the Department of Revenue unless the individual or other entity is contesting, in accordance with the procedures established by the appropriate revenue Act, its liability for the tax or the amount of tax. Making a false statement voids the contract and allows the Department to recover all amounts paid to the individual or entity under the contract in a civil action.

2. **Bid-Rigging or Bid Rotating.** The bidder or contractor or subcontractor, respectively, certifies that it is not barred from contracting with the Department by reason of a violation of either 720 ILCS 5/33E-3 or 720 ILCS 5/33E-4.

   A violation of Section 33E-3 would be represented by a conviction of the crime of bid-rigging which, in addition to Class 3 felony sentencing, provides that any person convicted of this offense or any similar offense of any state or the United States which contains the same elements as this offense shall be barred for 5 years from the date of conviction from contracting with any unit of State or local government. No corporation shall be barred from contracting with any unit of State or local government as a result of a conviction under this Section of any employee or agent of such corporation if the employee so convicted is no longer employed by the corporation and: (1) it has been finally adjudicated not guilty or (2) if it demonstrates to the governmental entity with which it seeks to contract and that entity finds that the commission of the offense was neither authorized, requested, commanded, nor performed by a director, officer or a high managerial agent in behalf of the corporation.

   A violation of Section 33E-4 would be represented by a conviction of the crime of bid-rotating which, in addition to Class 2 felony sentencing, provides that any person convicted of this offense or any similar offense of any state or the United States which contains the same elements as this offense shall be permanently barred from contracting with any unit of State or local government. No corporation shall be barred from contracting with any unit of State or local government as a result of a conviction under this Section of any employee or agent of such corporation if the employee so convicted is no longer employed by the corporation and: (1) it has been finally adjudicated not guilty or (2) if it demonstrates to the governmental entity with which it seeks to contract and that entity finds that the commission of the offense was neither authorized, requested, commanded, nor performed by a director, officer or a high managerial agent in behalf of the corporation.

3. **Bribery.** The bidder or contractor or subcontractor, respectively, certifies that it has not been convicted of bribery or attempting to bribe an officer or employee of the State of Illinois or any unit of local government, nor has the firm made an admission of guilt of such conduct which is a matter of record, nor has an official, agent, or employee of the firm committed bribery or attempted bribery on behalf of the firm and pursuant to the direction or authorization of a responsible official of the firm.

4. **Interim Suspension or Suspension.** The bidder or contractor or subcontractor, respectively, certifies that it is not currently under a suspension as defined in Subpart I of Title 44 Subtitle A Chapter III Part 6 of the Illinois Administrative Code. Furthermore, if suspended prior to completion of this work, the contract or contracts executed for the completion of this work may be cancelled.

5. Conflict of Interest. The Village of Buffalo Grove Municipal Code requires the following verification relative to conflict of interest and compliance with general ethics requirements of the Village.

   The undersigned supplier hereby represents and warrants to the Village of Buffalo Grove as a term and condition of acceptance of this (bid or purchase order) that none of the following Village Officials is either an officer or director of supplier or owns five percent (5%) or more of the Supplier: the Village President, the members of the Village Board of Trustees, the Village Clerk, the Village Treasurer, the members of the Planning & Zoning Commission, the Village Manager and his Assistant or Assistants, or the heads of the various departments of the Village of Buffalo Grove.

   If the foregoing representation and warranty is inaccurate, stet the name of the Village official who either is an officer or director of your business entity or owns five percent (5%) or more thereof.

(Official) _____

RETURN WITH BID

County Cook
Local Public Agency Village of Buffalo Grove
Section Number N/A
Route University Drive

SIGNATURES

(If an individual)

Signature of Bidder _____

Business Address _____

(If a partnership)

Firm Name _____

Signed By _____

Business Address _____

Inset Names and Addressed of All Partners _____

(If a corporation)

Corporate Name _____

Signed By _____
President

Business Address _____

Insert Names of Officers
President _____
Secretary _____
Treasurer _____

Attest: _____
Secretary

Illinois Department of Transportation

Local Agency Proposal Bid Bond

Route: University Drive
County: Cook
Local Agency: Village of Buffalo Grove
Section: N/A

RETURN WITH BID

PAPER BID BOND

WE _____ as PRINCIPAL,

and _____ as SURETY,

are held jointly, severally and firmly bound unto the above Local Agency (hereafter referred to as "LA") in the penal sum of 5% of the total bid price, or for the amount specified in the proposal documents in effect on the date of invitation for bids whichever is the lesser sum. We bind ourselves, our heirs, executors, administrators, successors, and assigns, jointly pay to the LA this sum under the conditions of this instrument.

WHEREAS THE CONDITION OF THE FOREGOING OBLIGATION IS SUCH that, the said PRINCIPAL is submitting a written proposal to the LA acting through its awarding authority for the construction of the work designated as the above section.

THEREFORE if the proposal is accepted and a contract awarded to the PRINCIPAL by the LA for the above designated section and the PRINCIPAL shall within fifteen (15) days after award enter into a formal contract, furnish surety guaranteeing the faithful performance of the work, and furnish evidence of the required insurance coverage, all as provided in the "Standard Specifications for Road and Bridge Construction" and applicable Supplemental Specifications, then this obligation shall become void; otherwise it shall remain in full force and effect.

IN THE EVENT the LA determines the PRINCIPAL has failed to enter into a formal contract in compliance with any requirements set forth in the preceding paragraph, then the LA acting through its awarding authority shall immediately be entitled to recover the full penal sum set out above, together with all court costs, all attorney fees, and any other expense of recovery.

IN TESTIMONY WHEREOF, the said PRINCIPAL and the said SURETY have caused this instrument to be signed by their respective officers this _____ day of _____

Principal

_____ (Company Name) _____ (Company Name)

By: _____ (Signature and Title) By: _____ (Signature and Title)

(If PRINCIPAL is a joint venture of two or more contractors, the company names, and authorized signatures of each contractor must be affixed.)

Surety

_____ (Name of Surety) By: _____ (Signature of Attorney-in-Fact)

STATE OF ILLINOIS,

COUNTY OF _____

I. _____, a Notary Public in and for said county,

do hereby certify that _____

(Insert names of individuals signing on behalf of PRINCIPAL & SURETY)

who are each personally known to me to be the same persons whose names are subscribed to the foregoing instrument on behalf of PRINCIPAL and SURETY, appeared before me this day in person and acknowledged respectively, that they signed and delivered said instruments as their free and voluntary act for the uses and purposes therein set forth.

Given under my hand and notarial seal this _____ day of _____

My commission expires _____ _____ (Notary Public)

ELECTRONIC BID BOND

☐ **Electronic bid bond is allowed (box must be checked by LA if electronic bid bond is allowed)**

The Principal may submit an electronic bid bond, in lieu of completing the above section of the Proposal Bid Bond Form. By providing an electronic bid bond ID code and signing below, the Principal is ensuring the identified electronic bid bond has been executed and the Principal and Surety are firmly bound unto the LA under the conditions of the bid bond as shown above. (If PRINCIPAL is a joint venture of two or more contractors, an electronic bid bond ID code, company/Bidder name title and date must be affixed for each contractor in the venture.)

Electronic Bid Bond ID Code

_____ (Company/Bidder Name)

_____ (Signature and Title) _____ Date

RETURN WITH BID

Illinois Department of Transportation

Affidavit of Illinois Business Office

County Cook
Local Public Agency Village of Buffalo Grove
Section Number N/A
Route University Drive

State of _____)
) ss.
County of _____)

I, _____ (Name of Affiant) of _____ (City of Affiant), _____ (State of Affiant),

being first duly sworn upon oath, states as follows:

1. That I am the _____ (officer or position) of _____ (bidder).
2. That I have personal knowledge of the facts herein stated.
3. That, if selected under this proposal, _____ (bidder), will maintain a business office in the State of Illinois which will be located in _____ County, Illinois.
4. That this business office will serve as the primary place of employment for any persons employed in the construction contemplated by this proposal.
5. That this Affidavit is given as a requirement of state law as provided in Section 30-22(8) of the Illinois Procurement Code.

_____
(Signature)

_____
(Print Name of Affiant)

This instrument was acknowledged before me on day of _____ , _____ .

(SEAL)

_____
(Signature of Notary Public)

Illinois Department of Transportation

Bureau of Construction
2300 South Dirksen Parkway/Room 322
Springfield, Illinois 62764

Affidavit of Availability
For the Letting of 8/8/2019

Instructions: Complete this form by either typing or using black ink. "Authorization to Bid" will not be issued unless both sides of this form are completed in detail. Use additional forms as needed to list all work.

Part I. Work Under Contract

List below all work you have under contract as either a prime contractor or a subcontractor. It is required to include all pending low bids not yet awarded or rejected. In a joint venture, list only that portion of the work which is the responsibility of your company. The uncompleted dollar value is to be based upon the most recent engineer's or owners estimate, and must include work subcontracted to others. If no work is contracted, show **NONE.**

	1	2	3	4	Awards Pending	
Contract Number						
Contract With						
Estimated Completion Date						
Total Contract Price						Accumulated Totals
Uncompleted Dollar Value if Firm is the Prime Contractor						
Uncompleted Dollar Value if Firm is the Subcontractor						
				Total Value of All Work		

Part II. Awards Pending and Uncompleted Work to be done with your own forces.

List below the uncompleted dollar value of work for each contract and awards pending to be completed with your own forces. All work subcontracted to others will be listed on the reverse of this form. In a joint venture, list only that portion of the work to be done by your company. If no work is contracted, show NONE.

						Accumulated Totals
Earthwork						
Portland Cement Concrete Paving						
HMA Plant Mix						
HMA Paving						
Clean & Seal Cracks/Joints						
Aggregate Bases & Surfaces						
Highway, R.R. and Waterway Structures						
Drainage						
Electrical						
Cover and Seal Coats						
Concrete Construction						
Landscaping						
Fencing						
Guardrail						
Painting						
Signing						
Cold Milling, Planning & Rotomilling						
Demolition						
Pavement Markings (Paint)						
Other Construction (List)						
						$ 0.00
Totals						

Disclosure of this information is **REQUIRED** to accomplish the statutory purpose as outlined in the "Illinois Procurement Code." Failure to comply will result in non-issuance of an "Authorization To Bid." This form has been approved by the State Forms Management Center.

Part III. Work Subcontracted to Others.

For each contract described in Part I, list all the work you have subcontracted to others.

	1	2	3	4	Awards Pending
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Total Uncompleted					

I, being duly sworn, do hereby declare that this affidavit is a true and correct statement relating to ALL uncompleted contracts of the undersigned for Federal, State, County, City and private work, including ALL subcontract work, ALL pending low bids not yet awarded or rejected and ALL estimated completion dates.

Subscribed and sworn to before me

this _____ day of _____ , _____ Type or Print Name _____

Officer or Director Title

_____ Signed _____

Notary Public

My commission expires _____

Company _____

(Notary Seal)

Address _____

_____

Accounts Payable Department
Phone 847-459-2510
Fax 847-777-6045

QUALIFIED VENDOR REGISTRATION

Please email, fax or mail completed & signed form along with IRS form W-9 to:

Email: APFinance@vbg.org Fax: 847-777-6045 or Mail: Village of Buffalo Grove 50 Raupp Blvd. Buffalo Grove, IL. 60089

Legal Organization Name: _____

Doing Business as: _____

Primary Organization Address: _____

City, State ZIP: _____

Sales Contact Name: _____

Sales Contact Phone: _____

Sales Contact Email : _____

Complete this section for new Vendors or account changes

Select one: ☐ New Vendor ☐ Account Change

FEIN or SSN: _____

Primary business function: _____

Date business was established: _____

Change in ownership in the last 2 years : _____ Y/N _____

Professional registrations: _____

All payments will be made per the Prompt Payment Act (50 ILCS 505/1 et seq).

By submitting this application, you authorize the Village of Buffalo Grove to make inquiries into the client/trade references that you have supplied.

The undersigned supplier hereby represents and warrants to the Village of Buffalo Grove as a term and condition of acceptance of future (bid or purchase order) that none of the following Village Officials is either an officer or director of supplier or owns five percent (5%) or more of the Supplier: the Village President, the members of the Village Board of Trustees, the Village Clerk, the Village Treasurer, the members of the Zoning Board of Appeals and the Plan Commission, the Village Manager and his Assistant or Assistants, or the heads of the various departments within the Village

Signature:_____ Date:_____

Name (printed):_____ Title: _____

Accounts Payable Department
Phone 847-459-2510
Fax 847-777-6045

AUTHORIZATION FOR ACH DEPOSIT OF VENDOR PAYMENT

Please email, fax or mail completed & signed form along with a voided check or voided deposit slip (savings account) to:
Email: APFinance@vbg.org Fax: 847-777-6045 or Mail: Village of Buffalo Grove 50 Raupp Blvd. Buffalo Grove, IL. 60089
Check Box if same as page 1 ☐

Payment Address: _____

A/R Contact Name: _____

Contact Email (for ACH notification): _____

Complete this section for new enrollments or for financial institution or account changes

Select one: ☐ New Enrollment ☐ Financial institution of Account Change

Bank Name: _____

Branch (if applicable): _____

City, State Zip: _____

Transit/Routing Number: _____

Bank Account Number: _____

Account Type (check one): ☐ Checking Account ☐ Savings Account

I certify that the information above is true and correct, and that I, as a representative for the above name d company, hereby authorize the Village of Buffalo Grove Account Payable to electronically deposit payments to the designated bank account. This authority remains in full force until The Village of Buffalo Grove Accounts Payable receives written notification requesting a change or cancellation.

Signature:_____ Date: _____

Name (printed):_____ Title: _____

For Village of Buffalo Grove use only

Vendor Number: _____ Date Received: _____

Illinois Department of Revenue
Office of Local Government Services
Sales Tax Exemption Section, 3-520
101 W. Jefferson Street
Springfield, IL 62702
217 782-8881

January 2, 2015

VILLAGE OF BUFFALO GROVE
SCOTT ANDERSON FINANCE DIR
50 RAUPP BLVD
BUFFALO GROVE IL 60089

Effective January 1, 2015, we have renewed your governmental exemption from payment of the Retailers' Occupation Tax, the Service Occupation Tax (both state and local), the Use Tax, and the Service Use Tax, as required by Illinois law.

We have issued the following new tax exemption identification number:

E9998-1165-07
to
VILLAGE OF BUFFALO GROVE
of
BUFFALO GROVE, IL

The terms and conditions governing use of your exemption number remain unchanged.

Office of Local Government Services
Illinois Department of Revenue

Form **W-9**
(Rev. December 2014)
Department of the Treasury
Internal Revenue Service

Request for Taxpayer Identification Number and Certification

Give Form to the requester. Do not send to the IRS.

Print or type
See **Specific Instructions** on page 2.

1 Name (as shown on your income tax return). Name is required on this line; do not leave this line blank.

2 Business name/disregarded entity name, if different from above

3 Check appropriate box for federal tax classification; check only **one** of the following seven boxes:

☐ Individual/sole proprietor or single-member LLC ☐ C Corporation ☐ S Corporation ☐ Partnership ☐ Trust/estate

☐ Limited liability company. Enter the tax classification (C=C corporation, S=S corporation, P=partnership) ▶ _____

Note. For a single-member LLC that is disregarded, do not check LLC; check the appropriate box in the line above for the tax classification of the single-member owner.

☐ Other (see instructions) ▶

4 Exemptions (codes apply only to certain entities, not individuals; see instructions on page 3):

Exempt payee code (if any) _____

Exemption from FATCA reporting code (if any) _____

(Applies to accounts maintained outside the U.S.)

5 Address (number, street, and apt. or suite no.)

Requester's name and address (optional)

6 City, state, and ZIP code

7 List account number(s) here (optional)

Part I Taxpayer Identification Number (TIN)

Enter your TIN in the appropriate box. The TIN provided must match the name given on line 1 to avoid backup withholding. For individuals, this is generally your social security number (SSN). However, for a resident alien, sole proprietor, or disregarded entity, see the Part I instructions on page 3. For other entities, it is your employer identification number (EIN). If you do not have a number, see *How to get a TIN* on page 3.

Note. If the account is in more than one name, see the instructions for line 1 and the chart on page 4 for guidelines on whose number to enter.

Social security number

			–			–				

or

Employer identification number

		–							

Part II Certification

Under penalties of perjury, I certify that:

1. The number shown on this form is my correct taxpayer identification number (or I am waiting for a number to be issued to me); and
2. I am not subject to backup withholding because: (a) I am exempt from backup withholding, or (b) I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or (c) the IRS has notified me that I am no longer subject to backup withholding; and
3. I am a U.S. citizen or other U.S. person (defined below); and
4. The FATCA code(s) entered on this form (if any) indicating that I am exempt from FATCA reporting is correct.

Certification instructions. You must cross out item 2 above if you have been notified by the IRS that you are currently subject to backup withholding because you have failed to report all interest and dividends on your tax return. For real estate transactions, item 2 does not apply. For mortgage interest paid, acquisition or abandonment of secured property, cancellation of debt, contributions to an individual retirement arrangement (IRA), and generally, payments other than interest and dividends, you are not required to sign the certification, but you must provide your correct TIN. See the instructions on page 3.

Sign Here	**Signature of U.S. person ▶**	**Date ▶**

General Instructions

Section references are to the Internal Revenue Code unless otherwise noted.

Future developments. Information about developments affecting Form W-9 (such as legislation enacted after we release it) is at *www.irs.gov/fw9*.

Purpose of Form

An individual or entity (Form W-9 requester) who is required to file an information return with the IRS must obtain your correct taxpayer identification number (TIN) which may be your social security number (SSN), individual taxpayer identification number (ITIN), adoption taxpayer identification number (ATIN), or employer identification number (EIN), to report on an information return the amount paid to you, or other amount reportable on an information return. Examples of information returns include, but are not limited to, the following:

- Form 1099-INT (interest earned or paid)
- Form 1099-DIV (dividends, including those from stocks or mutual funds)
- Form 1099-MISC (various types of income, prizes, awards, or gross proceeds)
- Form 1099-B (stock or mutual fund sales and certain other transactions by brokers)
- Form 1099-S (proceeds from real estate transactions)
- Form 1099-K (merchant card and third party network transactions)
- Form 1098 (home mortgage interest), 1098-E (student loan interest), 1098-T (tuition)
- Form 1099-C (canceled debt)
- Form 1099-A (acquisition or abandonment of secured property)

Use Form W-9 only if you are a U.S. person (including a resident alien), to provide your correct TIN.

If you do not return Form W-9 to the requester with a TIN, you might be subject to backup withholding. See *What is backup withholding?* on page 2.

By signing the filled-out form, you:

1. Certify that the TIN you are giving is correct (or you are waiting for a number to be issued),
2. Certify that you are not subject to backup withholding, or
3. Claim exemption from backup withholding if you are a U.S. exempt payee. If applicable, you are also certifying that as a U.S. person, your allocable share of any partnership income from a U.S. trade or business is not subject to the withholding tax on foreign partners' share of effectively connected income, and
4. Certify that FATCA code(s) entered on this form (if any) indicating that you are exempt from the FATCA reporting, is correct. See *What is FATCA reporting?* on page 2 for further information.

Note. If you are a U.S. person and a requester gives you a form other than Form W-9 to request your TIN, you must use the requester's form if it is substantially similar to this Form W-9.

Definition of a U.S. person. For federal tax purposes, you are considered a U.S. person if you are:

- An individual who is a U.S. citizen or U.S. resident alien;
- A partnership, corporation, company, or association created or organized in the United States or under the laws of the United States;
- An estate (other than a foreign estate); or
- A domestic trust (as defined in Regulations section 301.7701-7).

Special rules for partnerships. Partnerships that conduct a trade or business in the United States are generally required to pay a withholding tax under section 1446 on any foreign partners' share of effectively connected taxable income from such business. Further, in certain cases where a Form W-9 has not been received, the rules under section 1446 require a partnership to presume that a partner is a foreign person, and pay the section 1446 withholding tax. Therefore, if you are a U.S. person that is a partner in a partnership conducting a trade or business in the United States, provide Form W-9 to the partnership to establish your U.S. status and avoid section 1446 withholding on your share of partnership income.

In the cases below, the following person must give Form W-9 to the partnership for purposes of establishing its U.S. status and avoiding withholding on its allocable share of net income from the partnership conducting a trade or business in the United States:

- In the case of a disregarded entity with a U.S. owner, the U.S. owner of the disregarded entity and not the entity;
- In the case of a grantor trust with a U.S. grantor or other U.S. owner, generally, the U.S. grantor or other U.S. owner of the grantor trust and not the trust; and
- In the case of a U.S. trust (other than a grantor trust), the U.S. trust (other than a grantor trust) and not the beneficiaries of the trust.

Foreign person. If you are a foreign person or the U.S. branch of a foreign bank that has elected to be treated as a U.S. person, do not use Form W-9. Instead, use the appropriate Form W-8 or Form 8233 (see Publication 515, Withholding of Tax on Nonresident Aliens and Foreign Entities).

Nonresident alien who becomes a resident alien. Generally, only a nonresident alien individual may use the terms of a tax treaty to reduce or eliminate U.S. tax on certain types of income. However, most tax treaties contain a provision known as a "saving clause." Exceptions specified in the saving clause may permit an exemption from tax to continue for certain types of income even after the payee has otherwise become a U.S. resident alien for tax purposes.

If you are a U.S. resident alien who is relying on an exception contained in the saving clause of a tax treaty to claim an exemption from U.S. tax on certain types of income, you must attach a statement to Form W-9 that specifies the following five items:

1. The treaty country. Generally, this must be the same treaty under which you claimed exemption from tax as a nonresident alien.
2. The treaty article addressing the income.
3. The article number (or location) in the tax treaty that contains the saving clause and its exceptions.
4. The type and amount of income that qualifies for the exemption from tax.
5. Sufficient facts to justify the exemption from tax under the terms of the treaty article.

Example. Article 20 of the U.S.-China income tax treaty allows an exemption from tax for scholarship income received by a Chinese student temporarily present in the United States. Under U.S. law, this student will become a resident alien for tax purposes if his or her stay in the United States exceeds 5 calendar years. However, paragraph 2 of the first Protocol to the U.S.-China treaty (dated April 30, 1984) allows the provisions of Article 20 to continue to apply even after the Chinese student becomes a resident alien of the United States. A Chinese student who qualifies for this exception (under paragraph 2 of the first protocol) and is relying on this exception to claim an exemption from tax on his or her scholarship or fellowship income would attach to Form W-9 a statement that includes the information described above to support that exemption.

If you are a nonresident alien or a foreign entity, give the requester the appropriate completed Form W-8 or Form 8233.

Backup Withholding

What is backup withholding? Persons making certain payments to you must under certain conditions withhold and pay to the IRS 28% of such payments. This is called "backup withholding." Payments that may be subject to backup withholding include interest, tax-exempt interest, dividends, broker and barter exchange transactions, rents, royalties, nonemployee pay, payments made in settlement of payment card and third party network transactions, and certain payments from fishing boat operators. Real estate transactions are not subject to backup withholding.

You will not be subject to backup withholding on payments you receive if you give the requester your correct TIN, make the proper certifications, and report all your taxable interest and dividends on your tax return.

Payments you receive will be subject to backup withholding if:

1. You do not furnish your TIN to the requester,
2. You do not certify your TIN when required (see the Part II instructions on page 3 for details),
3. The IRS tells the requester that you furnished an incorrect TIN,
4. The IRS tells you that you are subject to backup withholding because you did not report all your interest and dividends on your tax return (for reportable interest and dividends only), or
5. You do not certify to the requester that you are not subject to backup withholding under 4 above (for reportable interest and dividend accounts opened after 1983 only).

Certain payees and payments are exempt from backup withholding. See *Exempt payee code* on page 3 and the separate Instructions for the Requester of Form W-9 for more information.

Also see *Special rules for partnerships* above.

What is FATCA reporting?

The Foreign Account Tax Compliance Act (FATCA) requires a participating foreign financial institution to report all United States account holders that are specified United States persons. Certain payees are exempt from FATCA reporting. See *Exemption from FATCA reporting code* on page 3 and the Instructions for the Requester of Form W-9 for more information.

Updating Your Information

You must provide updated information to any person to whom you claimed to be an exempt payee if you are no longer an exempt payee and anticipate receiving reportable payments in the future from this person. For example, you may need to provide updated information if you are a C corporation that elects to be an S corporation, or if you no longer are tax exempt. In addition, you must furnish a new Form W-9 if the name or TIN changes for the account; for example, if the grantor of a grantor trust dies.

Penalties

Failure to furnish TIN. If you fail to furnish your correct TIN to a requester, you are subject to a penalty of $50 for each such failure unless your failure is due to reasonable cause and not to willful neglect.

Civil penalty for false information with respect to withholding. If you make a false statement with no reasonable basis that results in no backup withholding, you are subject to a $500 penalty.

Criminal penalty for falsifying information. Willfully falsifying certifications or affirmations may subject you to criminal penalties including fines and/or imprisonment.

Misuse of TINs. If the requester discloses or uses TINs in violation of federal law, the requester may be subject to civil and criminal penalties.

Specific Instructions

Line 1

You must enter one of the following on this line; **do not** leave this line blank. The name should match the name on your tax return.

If this Form W-9 is for a joint account, list first, and then circle, the name of the person or entity whose number you entered in Part I of Form W-9.

a. **Individual.** Generally, enter the name shown on your tax return. If you have changed your last name without informing the Social Security Administration (SSA) of the name change, enter your first name, the last name as shown on your social security card, and your new last name.

Note. ITIN applicant: Enter your individual name as it was entered on your Form W-7 application, line 1a. This should also be the same as the name you entered on the Form 1040/1040A/1040EZ you filed with your application.

b. **Sole proprietor or single-member LLC.** Enter your individual name as shown on your 1040/1040A/1040EZ on line 1. You may enter your business, trade, or "doing business as" (DBA) name on line 2.

c. **Partnership, LLC that is not a single-member LLC, C Corporation, or S Corporation.** Enter the entity's name as shown on the entity's tax return on line 1 and any business, trade, or DBA name on line 2.

d. **Other entities.** Enter your name as shown on required U.S. federal tax documents on line 1. This name should match the name shown on the charter or other legal document creating the entity. You may enter any business, trade, or DBA name on line 2.

e. **Disregarded entity.** For U.S. federal tax purposes, an entity that is disregarded as an entity separate from its owner is treated as a "disregarded entity." See Regulations section 301.7701-2(c)(2)(iii). Enter the owner's name on line 1. The name of the entity entered on line 1 should never be a disregarded entity. The name on line 1 should be the name shown on the income tax return on which the income should be reported. For example, if a foreign LLC that is treated as a disregarded entity for U.S. federal tax purposes has a single owner that is a U.S. person, the U.S. owner's name is required to be provided on line 1. If the direct owner of the entity is also a disregarded entity, enter the first owner that is not disregarded for federal tax purposes. Enter the disregarded entity's name on line 2, "Business name/disregarded entity name." If the owner of the disregarded entity is a foreign person, the owner must complete an appropriate Form W-8 instead of a Form W-9. This is the case even if the foreign person has a U.S. TIN.

Line 2

If you have a business name, trade name, DBA name, or disregarded entity name, you may enter it on line 2.

Line 3

Check the appropriate box in line 3 for the U.S. federal tax classification of the person whose name is entered on line 1. Check only one box in line 3.

Limited Liability Company (LLC). If the name on line 1 is an LLC treated as a partnership for U.S. federal tax purposes, check the "Limited Liability Company" box and enter "P" in the space provided. If the LLC has filed Form 8832 or 2553 to be taxed as a corporation, check the "Limited Liability Company" box and in the space provided enter "C" for C corporation or "S" for S corporation. If it is a single-member LLC that is a disregarded entity, do not check the "Limited Liability Company" box; instead check the first box in line 3 "Individual/sole proprietor or single-member LLC."

Line 4, Exemptions

If you are exempt from backup withholding and/or FATCA reporting, enter in the appropriate space in line 4 any code(s) that may apply to you.

Exempt payee code.

- Generally, individuals (including sole proprietors) are not exempt from backup withholding.
- Except as provided below, corporations are exempt from backup withholding for certain payments, including interest and dividends.
- Corporations are not exempt from backup withholding for payments made in settlement of payment card or third party network transactions.
- Corporations are not exempt from backup withholding with respect to attorneys' fees or gross proceeds paid to attorneys, and corporations that provide medical or health care services are not exempt with respect to payments reportable on Form 1099-MISC.

The following codes identify payees that are exempt from backup withholding. Enter the appropriate code in the space in line 4.

1—An organization exempt from tax under section 501(a), any IRA, or a custodial account under section 403(b)(7) if the account satisfies the requirements of section 401(f)(2)

2—The United States or any of its agencies or instrumentalities

3—A state, the District of Columbia, a U.S. commonwealth or possession, or any of their political subdivisions or instrumentalities

4—A foreign government or any of its political subdivisions, agencies, or instrumentalities

5—A corporation

6—A dealer in securities or commodities required to register in the United States, the District of Columbia, or a U.S. commonwealth or possession

7—A futures commission merchant registered with the Commodity Futures Trading Commission

8—A real estate investment trust

9—An entity registered at all times during the tax year under the Investment Company Act of 1940

10—A common trust fund operated by a bank under section 584(a)

11—A financial institution

12—A middleman known in the investment community as a nominee or custodian

13—A trust exempt from tax under section 664 or described in section 4947

The following chart shows types of payments that may be exempt from backup withholding. The chart applies to the exempt payees listed above, 1 through 13.

IF the payment is for . . .	THEN the payment is exempt for . . .
Interest and dividend payments	All exempt payees except for 7
Broker transactions	Exempt payees 1 through 4 and 6 through 11 and all C corporations. S corporations must not enter an exempt payee code because they are exempt only for sales of noncovered securities acquired prior to 2012.
Barter exchange transactions and patronage dividends	Exempt payees 1 through 4
Payments over $600 required to be reported and direct sales over $5,000[1]	Generally, exempt payees 1 through 5[2]
Payments made in settlement of payment card or third party network transactions	Exempt payees 1 through 4

[1] See Form 1099-MISC, Miscellaneous Income, and its instructions.

[2] However, the following payments made to a corporation and reportable on Form 1099-MISC are not exempt from backup withholding: medical and health care payments, attorneys' fees, gross proceeds paid to an attorney reportable under section 6045(f), and payments for services paid by a federal executive agency.

Exemption from FATCA reporting code. The following codes identify payees that are exempt from reporting under FATCA. These codes apply to persons submitting this form for accounts maintained outside of the United States by certain foreign financial institutions. Therefore, if you are only submitting this form for an account you hold in the United States, you may leave this field blank. Consult with the person requesting this form if you are uncertain if the financial institution is subject to these requirements. A requester may indicate that a code is not required by providing you with a Form W-9 with "Not Applicable" (or any similar indication) written or printed on the line for a FATCA exemption code.

A—An organization exempt from tax under section 501(a) or any individual retirement plan as defined in section 7701(a)(37)

B—The United States or any of its agencies or instrumentalities

C—A state, the District of Columbia, a U.S. commonwealth or possession, or any of their political subdivisions or instrumentalities

D—A corporation the stock of which is regularly traded on one or more established securities markets, as described in Regulations section 1.1472-1(c)(1)(i)

E—A corporation that is a member of the same expanded affiliated group as a corporation described in Regulations section 1.1472-1(c)(1)(i)

F—A dealer in securities, commodities, or derivative financial instruments (including notional principal contracts, futures, forwards, and options) that is registered as such under the laws of the United States or any state

G—A real estate investment trust

H—A regulated investment company as defined in section 851 or an entity registered at all times during the tax year under the Investment Company Act of 1940

I—A common trust fund as defined in section 584(a)

J—A bank as defined in section 581

K—A broker

L—A trust exempt from tax under section 664 or described in section 4947(a)(1)

M—A tax exempt trust under a section 403(b) plan or section 457(g) plan

Note. You may wish to consult with the financial institution requesting this form to determine whether the FATCA code and/or exempt payee code should be completed.

Line 5

Enter your address (number, street, and apartment or suite number). This is where the requester of this Form W-9 will mail your information returns.

Line 6

Enter your city, state, and ZIP code.

Part I. Taxpayer Identification Number (TIN)

Enter your TIN in the appropriate box. If you are a resident alien and you do not have and are not eligible to get an SSN, your TIN is your IRS individual taxpayer identification number (ITIN). Enter it in the social security number box. If you do not have an ITIN, see *How to get a TIN* below.

If you are a sole proprietor and you have an EIN, you may enter either your SSN or EIN. However, the IRS prefers that you use your SSN.

If you are a single-member LLC that is disregarded as an entity separate from its owner (see *Limited Liability Company (LLC)* on this page), enter the owner's SSN (or EIN, if the owner has one). Do not enter the disregarded entity's EIN. If the LLC is classified as a corporation or partnership, enter the entity's EIN.

Note. See the chart on page 4 for further clarification of name and TIN combinations.

How to get a TIN. If you do not have a TIN, apply for one immediately. To apply for an SSN, get Form SS-5, Application for a Social Security Card, from your local SSA office or get this form online at *www.ssa.gov*. You may also get this form by calling 1-800-772-1213. Use Form W-7, Application for IRS Individual Taxpayer Identification Number, to apply for an ITIN, or Form SS-4, Application for Employer Identification Number, to apply for an EIN. You can apply for an EIN online by accessing the IRS website at *www.irs.gov/businesses* and clicking on Employer Identification Number (EIN) under Starting a Business. You can get Forms W-7 and SS-4 from the IRS by visiting IRS.gov or by calling 1-800-TAX-FORM (1-800-829-3676).

If you are asked to complete Form W-9 but do not have a TIN, apply for a TIN and write "Applied For" in the space for the TIN, sign and date the form, and give it to the requester. For interest and dividend payments, and certain payments made with respect to readily tradable instruments, generally you will have 60 days to get a TIN and give it to the requester before you are subject to backup withholding on payments. The 60-day rule does not apply to other types of payments. You will be subject to backup withholding on all such payments until you provide your TIN to the requester.

Note. Entering "Applied For" means that you have already applied for a TIN or that you intend to apply for one soon.

Caution: *A disregarded U.S. entity that has a foreign owner must use the appropriate Form W-8.*

Part II. Certification

To establish to the withholding agent that you are a U.S. person, or resident alien, sign Form W-9. You may be requested to sign by the withholding agent even if items 1, 4, or 5 below indicate otherwise.

For a joint account, only the person whose TIN is shown in Part I should sign (when required). In the case of a disregarded entity, the person identified on line 1 must sign. Exempt payees, see *Exempt payee code* earlier.

Signature requirements. Complete the certification as indicated in items 1 through 5 below.

1. Interest, dividend, and barter exchange accounts opened before 1984 and broker accounts considered active during 1983. You must give your correct TIN, but you do not have to sign the certification.

2. Interest, dividend, broker, and barter exchange accounts opened after 1983 and broker accounts considered inactive during 1983. You must sign the certification or backup withholding will apply. If you are subject to backup withholding and you are merely providing your correct TIN to the requester, you must cross out item 2 in the certification before signing the form.

3. Real estate transactions. You must sign the certification. You may cross out item 2 of the certification.

4. Other payments. You must give your correct TIN, but you do not have to sign the certification unless you have been notified that you have previously given an incorrect TIN. "Other payments" include payments made in the course of the requester's trade or business for rents, royalties, goods (other than bills for merchandise), medical and health care services (including payments to corporations), payments to a nonemployee for services, payments made in settlement of payment card and third party network transactions, payments to certain fishing boat crew members and fishermen, and gross proceeds paid to attorneys (including payments to corporations).

5. Mortgage interest paid by you, acquisition or abandonment of secured property, cancellation of debt, qualified tuition program payments (under section 529), IRA, Coverdell ESA, Archer MSA or HSA contributions or distributions, and pension distributions. You must give your correct TIN, but you do not have to sign the certification.

What Name and Number To Give the Requester

For this type of account:	Give name and SSN of:
1. Individual	The individual
2. Two or more individuals (joint account)	The actual owner of the account or, if combined funds, the first individual on the account[1]
3. Custodian account of a minor (Uniform Gift to Minors Act)	The minor[2]
4. a. The usual revocable savings trust (grantor is also trustee)	The grantor-trustee[1]
b. So-called trust account that is not a legal or valid trust under state law	The actual owner[1]
5. Sole proprietorship or disregarded entity owned by an individual	The owner[3]
6. Grantor trust filing under Optional Form 1099 Filing Method 1 (see Regulations section 1.671-4(b)(2)(i)(A))	The grantor*
For this type of account:	**Give name and EIN of:**
7. Disregarded entity not owned by an individual	The owner
8. A valid trust, estate, or pension trust	Legal entity[4]
9. Corporation or LLC electing corporate status on Form 8832 or Form 2553	The corporation
10. Association, club, religious, charitable, educational, or other tax-exempt organization	The organization
11. Partnership or multi-member LLC	The partnership
12. A broker or registered nominee	The broker or nominee
13. Account with the Department of Agriculture in the name of a public entity (such as a state or local government, school district, or prison) that receives agricultural program payments	The public entity
14. Grantor trust filing under the Form 1041 Filing Method or the Optional Form 1099 Filing Method 2 (see Regulations section 1.671-4(b)(2)(i)(B))	The trust

[1] List first and circle the name of the person whose number you furnish. If only one person on a joint account has an SSN, that person's number must be furnished.

[2] Circle the minor's name and furnish the minor's SSN.

[3] You must show your individual name and you may also enter your business or DBA name on the "Business name/disregarded entity" name line. You may use either your SSN or EIN (if you have one), but the IRS encourages you to use your SSN.

[4] List first and circle the name of the trust, estate, or pension trust. (Do not furnish the TIN of the personal representative or trustee unless the legal entity itself is not designated in the account title.) Also see *Special rules for partnerships* on page 2.

*Note. Grantor also must provide a Form W-9 to trustee of trust.

Note. If no name is circled when more than one name is listed, the number will be considered to be that of the first name listed.

Secure Your Tax Records from Identity Theft

Identity theft occurs when someone uses your personal information such as your name, SSN, or other identifying information, without your permission, to commit fraud or other crimes. An identity thief may use your SSN to get a job or may file a tax return using your SSN to receive a refund.

To reduce your risk:

- Protect your SSN,
- Ensure your employer is protecting your SSN, and
- Be careful when choosing a tax preparer.

If your tax records are affected by identity theft and you receive a notice from the IRS, respond right away to the name and phone number printed on the IRS notice or letter.

If your tax records are not currently affected by identity theft but you think you are at risk due to a lost or stolen purse or wallet, questionable credit card activity or credit report, contact the IRS Identity Theft Hotline at 1-800-908-4490 or submit Form 14039.

For more information, see Publication 4535, Identity Theft Prevention and Victim Assistance.

Victims of identity theft who are experiencing economic harm or a system problem, or are seeking help in resolving tax problems that have not been resolved through normal channels, may be eligible for Taxpayer Advocate Service (TAS) assistance. You can reach TAS by calling the TAS toll-free case intake line at 1-877-777-4778 or TTY/TDD 1-800-829-4059.

Protect yourself from suspicious emails or phishing schemes. Phishing is the creation and use of email and websites designed to mimic legitimate business emails and websites. The most common act is sending an email to a user falsely claiming to be an established legitimate enterprise in an attempt to scam the user into surrendering private information that will be used for identity theft.

The IRS does not initiate contacts with taxpayers via emails. Also, the IRS does not request personal detailed information through email or ask taxpayers for the PIN numbers, passwords, or similar secret access information for their credit card, bank, or other financial accounts.

If you receive an unsolicited email claiming to be from the IRS, forward this message to *phishing@irs.gov*. You may also report misuse of the IRS name, logo, or other IRS property to the Treasury Inspector General for Tax Administration (TIGTA) at 1-800-366-4484. You can forward suspicious emails to the Federal Trade Commission at: *spam@uce.gov* or contact them at *www.ftc.gov/idtheft* or 1-877-IDTHEFT (1-877-438-4338).

Visit IRS.gov to learn more about identity theft and how to reduce your risk.

Privacy Act Notice

Section 6109 of the Internal Revenue Code requires you to provide your correct TIN to persons (including federal agencies) who are required to file information returns with the IRS to report interest, dividends, or certain other income paid to you; mortgage interest you paid; the acquisition or abandonment of secured property; the cancellation of debt; or contributions you made to an IRA, Archer MSA, or HSA. The person collecting this form uses the information on the form to file information returns with the IRS, reporting the above information. Routine uses of this information include giving it to the Department of Justice for civil and criminal litigation and to cities, states, the District of Columbia, and U.S. commonwealths and possessions for use in administering their laws. The information also may be disclosed to other countries under a treaty, to federal and state agencies to enforce civil and criminal laws, or to federal law enforcement and intelligence agencies to combat terrorism. You must provide your TIN whether or not you are required to file a tax return. Under section 3406, payers must generally withhold a percentage of taxable interest, dividend, and certain other payments to a payee who does not give a TIN to the payer. Certain penalties may also apply for providing false or fraudulent information.

Prevailing Wage rates for Cook County effective Sept. 1, 2017												
Trade Title	**Region**	**Type**	**Class**	**Base Wage**	**Fore-man Wage**	**M-F OT**	**OSA**	**OSH**	**H/W**	**Pension**	**Vacation**	**Training**
ASBESTOS ABT-GEN	ALL	ALL		41.20	42.20	1.5	1.5	2	14.65	12.32	0.00	0.50
ASBESTOS ABT-MEC	ALL	BLD		37.46	39.96	1.5	1.5	2	11.62	11.06	0.00	0.72
BOILERMAKER	ALL	BLD		48.49	52.86	2	2	2	6.97	19.61	0.00	0.90
BRICK MASON	ALL	BLD		45.38	49.92	1.5	1.5	2	10.45	16.68	0.00	0.90
CARPENTER	ALL	ALL		46.35	48.35	1.5	1.5	2	11.79	18.87	0.00	0.63
CEMENT MASON	ALL	ALL		44.25	46.25	2	1.5	2	14.00	17.16	0.00	0.92
CERAMIC TILE FNSHER	ALL	BLD		38.56	38.56	1.5	1.5	2	10.65	11.18	0.00	0.68
COMM. ELECT.	ALL	BLD		43.10	45.90	1.5	1.5	2	8.88	13.22	1.00	0.85
ELECTRIC PWR EQMT OP	ALL	ALL		50.50	55.50	1.5	1.5	2	11.69	16.69	0.00	3.12
ELECTRIC PWR GRNDMAN	ALL	ALL		39.39	55.50	1.5	1.5	2	9.12	13.02	0.00	2.43
ELECTRIC PWR LINEMAN	ALL	ALL		50.50	55.50	1.5	1.5	2	11.69	16.69	0.00	3.12
ELECTRICIAN	ALL	ALL		47.40	50.40	1.5	1.5	2	14.33	16.10	1.00	1.18
ELEVATOR CONSTRUCTOR	ALL	BLD		51.94	58.43	2	2	2	14.43	14.96	4.16	0.90
FENCE ERECTOR	ALL	ALL		39.58	41.58	1.5	1.5	2	13.40	13.90	0.00	0.40
GLAZIER	ALL	BLD		42.45	43.95	1.5	1.5	2	14.04	20.14	0.00	0.94
HT/FROST INSULATOR	ALL	BLD		50.50	53.00	1.5	1.5	2	12.12	12.96	0.00	0.72
IRON WORKER	ALL	ALL		47.33	49.33	2	2	2	14.15	22.39	0.00	0.35
LABORER	ALL	ALL		41.20	41.95	1.5	1.5	2	14.65	12.32	0.00	0.50
LATHER	ALL	ALL		46.35	48.35	1.5	1.5	2	11.79	18.87	0.00	0.63
MACHINIST	ALL	BLD		47.56	50.06	1.5	1.5	2	7.05	8.95	1.85	1.47
MARBLE FINISHERS	ALL	ALL		33.95	33.95	1.5	1.5	2	10.45	15.52	0.00	0.47
MARBLE MASON	ALL	BLD		44.63	49.09	1.5	1.5	2	10.45	16.28	0.00	0.59
MATERIAL TESTER I	ALL	ALL		31.20	31.20	1.5	1.5	2	14.65	12.32	0.00	0.50
MATERIALS TESTER II	ALL	ALL		36.20	36.20	1.5	1.5	2	14.65	12.32	0.00	0.50
MILLWRIGHT	ALL	ALL		46.35	48.35	1.5	1.5	2	11.79	18.87	0.00	0.63

OPERATING ENGINEER	ALL	BLD	1	50.10	54.10	2	2	2	18.80	14.35	2.00	1.30
OPERATING ENGINEER	ALL	BLD	2	48.80	54.10	2	2	2	18.80	14.35	2.00	1.30
OPERATING ENGINEER	ALL	BLD	3	46.25	54.10	2	2	2	18.80	14.35	2.00	1.30
OPERATING ENGINEER	ALL	BLD	4	44.50	54.10	2	2	2	18.80	14.35	2.00	1.30
OPERATING ENGINEER	ALL	BLD	5	53.85	54.10	2	2	2	18.80	14.35	2.00	1.30
OPERATING ENGINEER	ALL	BLD	6	51.10	54.10	2	2	2	18.80	14.35	2.00	1.30
OPERATING ENGINEER	ALL	BLD	7	53.10	54.10	2	2	2	18.80	14.35	2.00	1.30
OPERATING ENGINEER	ALL	FLT	1	55.90	55.90	1.5	1.5	2	18.05	13.60	1.90	1.30
OPERATING ENGINEER	ALL	FLT	2	54.40	55.90	1.5	1.5	2	18.05	13.60	1.90	1.30
OPERATING ENGINEER	ALL	FLT	3	48.40	55.90	1.5	1.5	2	18.05	13.60	1.90	1.30
OPERATING ENGINEER	ALL	FLT	4	40.25	55.90	1.5	1.5	2	18.05	13.60	1.90	1.30
OPERATING ENGINEER	ALL	FLT	5	57.40	55.90	1.5	1.5	2	18.05	13.60	1.90	1.30
OPERATING ENGINEER	ALL	FLT	6	38.00	55.90	1.5	1.5	2	18.05	13.60	1.90	1.30
OPERATING ENGINEER	ALL	HWY	1	48.30	52.30	1.5	1.5	2	18.80	14.35	2.00	1.30
OPERATING ENGINEER	ALL	HWY	2	47.75	52.30	1.5	1.5	2	18.80	14.35	2.00	1.30
OPERATING ENGINEER	ALL	HWY	3	45.70	52.30	1.5	1.5	2	18.80	14.35	2.00	1.30
OPERATING ENGINEER	ALL	HWY	4	44.30	52.30	1.5	1.5	2	18.80	14.35	2.00	1.30
OPERATING ENGINEER	ALL	HWY	5	43.10	52.30	1.5	1.5	2	18.80	14.35	2.00	1.30
OPERATING ENGINEER	ALL	HWY	6	51.30	52.30	1.5	1.5	2	18.80	14.35	2.00	1.30
OPERATING ENGINEER	ALL	HWY	7	49.30	52.30	1.5	1.5	2	18.80	14.35	2.00	1.30
ORNAMNTL IRON WORKER	ALL	ALL		46.75	49.25	2	2	2	13.90	19.79	0.00	0.75
PAINTER	ALL	ALL		45.55	51.24	1.5	1.5	1.5	11.56	11.44	0.00	1.87
PAINTER SIGNS	ALL	BLD		37.45	42.05	1.5	1.5	2	2.60	3.18	0.00	0.00
PILEDRIVER	ALL	ALL		46.35	48.35	1.5	1.5	2	11.79	18.87	0.00	0.63
PIPEFITTER	ALL	BLD		47.50	50.50	1.5	1.5	2	10.05	17.85	0.00	2.12
PLASTERER	ALL	BLD		42.75	45.31	1.5	1.5	2	14.00	15.71	0.00	0.89
PLUMBER	ALL	BLD		49.25	52.20	1.5	1.5	2	14.34	13.35	0.00	1.28
ROOFER	ALL	BLD		42.30	45.30	1.5	1.5	2	9.08	12.14	0.00	0.58
SHEETMETAL WORKER	ALL	BLD		43.50	46.98	1.5	1.5	2	11.03	23.43	0.00	0.78
SIGN HANGER	ALL	BLD		31.31	33.81	1.5	1.5	2	4.85	3.28	0.00	0.00

SPRINKLER FITTER	ALL	BLD		47.20	49.20	1.5	1.5	2	12.25	11.55	0.00	0.55
STEEL ERECTOR	ALL	ALL		42.07	44.07	2	2	2	13.45	19.59	0.00	0.35
STONE MASON	ALL	BLD		45.38	49.92	1.5	1.5	2	10.45	16.68	0.00	0.90
TERRAZZO FINISHER	ALL	BLD		40.54	40.54	1.5	1.5	2	10.65	12.76	0.00	0.73
TERRAZZO MASON	ALL	BLD		44.38	47.88	1.5	1.5	2	10.65	14.15	0.00	0.82
TILE MASON	ALL	BLD		45.49	49.49	1.5	1.5	2	10.65	13.88	0.00	0.86
TRAFFIC SAFETY WRKR	ALL	HWY		33.50	35.85	1.5	1.5	2	6.00	7.25	0.00	0.50
TRUCK DRIVER	E	ALL	1	35.60	36.25	1.5	1.5	2	8.56	11.50	0.00	0.15
TRUCK DRIVER	E	ALL	2	35.85	36.25	1.5	1.5	2	8.56	11.50	0.00	0.15
TRUCK DRIVER	E	ALL	3	36.05	36.25	1.5	1.5	2	8.56	11.50	0.00	0.15
TRUCK DRIVER	E	ALL	4	36.25	36.25	1.5	1.5	2	8.56	11.50	0.00	0.15
TRUCK DRIVER	W	ALL	1	35.98	36.53	1.5	1.5	2	8.25	10.14	0.00	0.15
TRUCK DRIVER	W	ALL	2	36.13	36.53	1.5	1.5	2	8.25	10.14	0.00	0.15
TRUCK DRIVER	W	ALL	3	36.33	36.53	1.5	1.5	2	8.25	10.14	0.00	0.15
TRUCK DRIVER	W	ALL	4	36.53	36.53	1.5	1.5	2	8.25	10.14	0.00	0.15
TUCKPOINTER	ALL	BLD		45.42	46.42	1.5	1.5	2	8.32	15.42	0.00	0.80

Legend

M-F OT Unless otherwise noted, OT pay is required for any hour greater than 8 worked each day, Mon through Fri. The number listed is the multiple of the base wage.

OSA Overtime pay required for every hour worked on Saturdays

OSH Overtime pay required for every hour worked on Sundays and Holidays

H/W Health/Welfare benefit

Explanations COOK COUNTY

The following list is considered as those days for which holiday rates of wages for work performed apply: New Years Day, Memorial Day, Fourth of July, Labor Day, Thanksgiving Day, Christmas Day and Veterans Day in some classifications/counties. Generally, any of these holidays which fall on a Sunday is celebrated on the following Monday. This then makes work performed on that Monday payable at the appropriate overtime rate for holiday pay. Common practice in a given local may alter certain days of celebration. If in doubt, please check with IDOL.

TRUCK DRIVERS (WEST) - That part of the county West of Barrington Road.

EXPLANATION OF CLASSES

ASBESTOS - GENERAL - removal of asbestos material/mold and hazardous materials from any place in a building, including mechanical systems where those mechanical systems are to be removed. This includes the removal of asbestos materials/mold and hazardous materials from ductwork or pipes in a building when the building is to be demolished at the time or at some close future date. ASBESTOS - MECHANICAL - removal of asbestos material from mechanical systems, such as pipes, ducts, and boilers, where the mechanical systems are to remain.

CERAMIC TILE FINISHER

The grouting, cleaning, and polishing of all classes of tile, whether for interior or exterior purposes, all burned, glazed or unglazed products; all composition materials, granite tiles, warning detectable tiles, cement tiles, epoxy composite materials, pavers, glass, mosaics, fiberglass, and all substitute materials, for tile made in tile-like units; all mixtures in tile like form of cement, metals, and other materials that are for and intended for use as a finished floor surface, stair treads, promenade roofs, walks, walls, ceilings, swimming pools, and all other places where tile is to form a finished interior or exterior. The mixing of all setting mortars including but not limited to thin-set mortars, epoxies, wall mud, and any other sand and cement mixtures or adhesives when used in the preparation, installation, repair, or maintenance of tile and/or similar materials. The handling and unloading of all sand, cement, lime, tile, fixtures, equipment, adhesives, or any other materials to be used in the preparation, installation, repair, or maintenance of tile and/or similar materials. Ceramic Tile Finishers shall fill all joints and voids regardless of method on all tile work, particularly and especially after installation of said tile work. Application of any and all protective coverings to all types of tile installations including, but not be limited to, all soap compounds, paper products, tapes, and all polyethylene coverings, plywood, masonite, cardboard, and any new type of products that may be used to protect tile installations, Blastrac equipment, and all floor scarifying equipment used in preparing floors to receive tile. The clean up and removal of all waste and materials. All demolition of existing tile floors and walls to be re-tiled.

COMMUNICATIONS ELECTRICIAN

Installation, operation, inspection, maintenance, repair and service of radio, television, recording, voice sound vision production and reproduction, telephone and telephone interconnect, facsimile, data apparatus, coaxial, fibre optic and wireless equipment, appliances and systems used for the transmission and reception of signals of any nature, business, domestic, commercial, education, entertainment, and residential purposes, including but not limited to, communication and telephone, electronic and sound equipment, fibre optic and data communication systems, and the performance of any task directly related to such installation or service whether at new or existing sites, such tasks to include the placing of wire and cable and electrical power conduit or other raceway work within the equipment room and pulling wire and/or cable through conduit and the installation of any incidental conduit, such that the employees covered hereby can complete any job in full.

MARBLE FINISHER

Loading and unloading trucks, distribution of all materials (all stone, sand, etc.), stocking of floors with material, performing all rigging for heavy work, the handling of all material that may be needed for the installation of such materials, building of scaffolding, polishing if needed, patching, waxing of material if damaged, pointing up, caulking, grouting and cleaning of marble, holding water on diamond or Carborundum blade or saw for setters cutting, use of tub saw or any other saw needed for preparation of material, drilling of holes for wires that anchor material set by setters, mixing up of molding plaster for installation of material, mixing up thin set for the installation of material, mixing up of sand to cement for the installation of material and such other work as may be required in helping a Marble Setter in the handling of all material in the erection or installation of interior marble, slate, travertine, art marble, serpentine, alberene stone, blue stone, granite and other stones (meaning as to stone any foreign or domestic materials as are specified and used in building interiors and exteriors and customarily known as stone in the trade), carrara, sanionyx, vitrolite and similar opaque glass and the laying of all marble tile, terrazzo tile, slate tile and precast tile, steps, risers treads, base, or any other materials that may be used as substitutes for any of the aforementioned materials and which are used on interior and exterior which are installed in a similar manner.

MATERIAL TESTER I: Hand coring and drilling for testing of materials; field inspection of uncured concrete and asphalt.

MATERIAL TESTER II: Field inspection of welds, structural steel, fireproofing, masonry, soil, facade, reinforcing steel, formwork, cured concrete, and concrete and asphalt batch plants; adjusting proportions of bituminous mixtures.

OPERATING ENGINEER - BUILDING

Class 1. Asphalt Plant; Asphalt Spreader; Autograde; Backhoes with Caisson Attachment; Batch Plant; Benoto (requires Two Engineers); Boiler and Throttle Valve; Caisson Rigs; Central Redi-Mix Plant; Combination Back Hoe Front End-loader Machine; Compressor and Throttle Valve; Concrete Breaker (Truck Mounted); Concrete Conveyor; Concrete Conveyor (Truck Mounted); Concrete Paver Over 27E cu. ft; Concrete Paver 27E cu. ft. and Under: Concrete Placer; Concrete Placing Boom; Concrete Pump (Truck Mounted); Concrete Tower; Cranes, All; Cranes, Hammerhead; Cranes, (GCI and similar Type); Creter Crane; Spider Crane; Crusher, Stone, etc.; Derricks, All; Derricks, Traveling; Formless Curb and Gutter Machine; Grader, Elevating; Grouting Machines; Heavy Duty Self-Propelled Transporter or Prime Mover; Highlift Shovels or Front Endloader 2-1/4 yd. and over; Hoists, Elevators, outside type rack and pinion and similar machines; Hoists, One, Two and Three Drum; Hoists, Two Tugger One Floor; Hydraulic Backhoes; Hydraulic Boom Trucks; Hydro Vac (and similar equipment); Locomotives, All; Motor Patrol; Lubrication Technician; Manipulators; Pile Drivers and Skid Rig; Post Hole Digger; Pre-Stress Machine; Pump Cretes Dual Ram; Pump Cretes: Squeeze Cretes-Screw Type Pumps; Gypsum Bulker and Pump; Raised and Blind Hole Drill; Roto Mill Grinder; Scoops - Tractor Drawn; Slip-Form Paver; Straddle Buggies; Operation of Tie Back Machine; Tournapull; Tractor with Boom and Side Boom; Trenching Machines.

Class 2. Boilers; Broom, All Power Propelled; Bulldozers; Concrete Mixer (Two Bag and Over); Conveyor, Portable; Forklift Trucks; Highlift Shovels or Front Endloaders under 2-1/4 yd.; Hoists, Automatic; Hoists, Inside Elevators; Hoists, Sewer Dragging Machine; Hoists, Tugger Single Drum;

Laser Screed; Rock Drill (Self-Propelled); Rock Drill (Truck Mounted); Rollers, All; Steam Generators; Tractors, All; Tractor Drawn Vibratory Roller; Winch Trucks with "A" Frame.

Class 3. Air Compressor; Combination Small Equipment Operator; Generators; Heaters, Mechanical; Hoists, Inside Elevators (remodeling or renovation work); Hydraulic Power Units (Pile Driving, Extracting, and Drilling); Pumps, over 3" (1 to 3 not to exceed a total of 300 ft.); Low Boys; Pumps, Well Points; Welding Machines (2 through 5); Winches, 4 Small Electric Drill Winches.

Class 4. Bobcats and/or other Skid Steer Loaders; Oilers; and Brick Forklift.

Class 5. Assistant Craft Foreman.

Class 6. Gradall.

Class 7. Mechanics; Welders.

OPERATING ENGINEERS - HIGHWAY CONSTRUCTION

Class 1. Asphalt Plant; Asphalt Heater and Planer Combination; Asphalt Heater Scarfire; Asphalt Spreader; Autograder/GOMACO or other similar type machines: ABG Paver; Backhoes with Caisson Attachment; Ballast Regulator; Belt Loader; Caisson Rigs; Car Dumper; Central Redi-Mix Plant; Combination Backhoe Front Endloader Machine, (1 cu. yd. Backhoe Bucket or over or with attachments); Concrete Breaker (Truck Mounted); Concrete Conveyor; Concrete Paver over 27E cu. ft.; Concrete Placer; Concrete Tube Float; Cranes, all attachments; Cranes, Tower Cranes of all types: Creter Crane: Spider Crane; Crusher, Stone, etc.; Derricks, All; Derrick Boats; Derricks, Traveling; Dredges; Elevators, Outside type Rack & Pinion and Similar Machines; Formless Curb and Gutter Machine; Grader, Elevating; Grader, Motor Grader, Motor Patrol, Auto Patrol, Form Grader, Pull Grader, Subgrader; Guard Rail Post Driver Truck Mounted; Hoists, One, Two and Three Drum; Heavy Duty Self-Propelled Transporter or Prime Mover; Hydraulic Backhoes; Backhoes with shear attachments up to 40' of boom reach; Lubrication Technician; Manipulators; Mucking Machine; Pile Drivers and Skid Rig; Pre-Stress Machine; Pump Cretes Dual Ram; Rock Drill - Crawler or Skid Rig; Rock Drill - Truck Mounted; Rock/Track Tamper; Roto Mill Grinder; Slip-Form Paver; Snow Melters; Soil Test Drill Rig (Truck Mounted); Straddle Buggies; Hydraulic Telescoping Form (Tunnel); Operation of Tieback Machine; Tractor Drawn Belt Loader; Tractor Drawn Belt Loader (with attached pusher - two engineers); Tractor with Boom; Tractaire with Attachments; Traffic Barrier Transfer Machine; Trenching; Truck Mounted Concrete Pump with Boom; Raised or Blind Hole Drills (Tunnel Shaft); Underground Boring and/or Mining Machines 5 ft. in diameter and over tunnel, etc; Underground Boring and/or Mining Machines under 5 ft. in diameter; Wheel Excavator; Widener (APSCO).

Class 2. Batch Plant; Bituminous Mixer; Boiler and Throttle Valve; Bulldozers; Car Loader Trailing Conveyors; Combination Backhoe Front Endloader Machine (Less than 1 cu. yd. Backhoe Bucket or over or with attachments); Compressor and Throttle Valve; Compressor, Common Receiver (3); Concrete Breaker or Hydro Hammer; Concrete Grinding Machine; Concrete Mixer or Paver 7S Series to and including 27 cu. ft.;

Concrete Spreader; Concrete Curing Machine, Burlap Machine, Belting Machine and Sealing Machine; Concrete Wheel Saw; Conveyor Muck Cars (Haglund or Similar Type); Drills, All; Finishing Machine - Concrete; Highlift Shovels or Front Endloader; Hoist - Sewer Dragging Machine; Hydraulic Boom Trucks (All Attachments); Hydro-Blaster; Hydro Excavating (excluding hose work); Laser Screed; All Locomotives, Dinky; Off-Road Hauling Units (including articulating) Non Self-Loading Ejection Dump; Pump Cretes: Squeeze Cretes - Screw Type Pumps, Gypsum Bulker and Pump; Roller, Asphalt; Rotary Snow Plows; Rototiller, Seaman, etc., self-propelled; Self-Propelled Compactor; Spreader - Chip - Stone, etc.; Scraper - Single/Twin Engine/Push and Pull; Scraper - Prime Mover in Tandem (Regardless of Size); Tractors pulling attachments, Sheeps Foot, Disc, Compactor, etc.; Tug Boats.

Class 3. Boilers; Brooms, All Power Propelled; Cement Supply Tender; Compressor, Common Receiver (2); Concrete Mixer (Two Bag and Over); Conveyor, Portable; Farm-Type Tractors Used for Mowing, Seeding, etc.; Forklift Trucks; Grouting Machine; Hoists, Automatic; Hoists, All Elevators; Hoists, Tugger Single Drum; Jeep Diggers; Low Boys; Pipe Jacking Machines; Post-Hole Digger; Power Saw, Concrete Power Driven; Pug Mills; Rollers, other than Asphalt; Seed and Straw Blower; Steam Generators; Stump Machine; Winch Trucks with "A" Frame; Work Boats; Tamper-Form-Motor Driven.

Class 4. Air Compressor; Combination - Small Equipment Operator; Directional Boring Machine; Generators; Heaters, Mechanical; Hydraulic Power Unit (Pile Driving, Extracting, or Drilling); Light Plants, All (1 through 5); Pumps, over 3" (1 to 3 not to exceed a total of 300 ft.); Pumps, Well Points; Vacuum Trucks (excluding hose work); Welding Machines (2 through 5); Winches, 4 Small Electric Drill Winches.

Class 5. SkidSteer Loader (all); Brick Forklifts; Oilers.

Class 6. Field Mechanics and Field Welders

Class 7. Dowell Machine with Air Compressor; Gradall and machines of like nature.

OPERATING ENGINEER - FLOATING

Class 1. Craft Foreman; Master Mechanic; Diver/Wet Tender; Engineer; Engineer (Hydraulic Dredge).

Class 2. Crane/Backhoe Operator; Boat Operator with towing endorsement; Mechanic/Welder; Assistant Engineer (Hydraulic Dredge); Leverman (Hydraulic Dredge); Diver Tender.

Class 3. Deck Equipment Operator, Machineryman, Maintenance of Crane (over 50 ton capacity) or Backhoe (115,000 lbs. or more); Tug/Launch Operator; Loader/Dozer and like equipment on Barge, Breakwater Wall, Slip/Dock, or Scow, Deck Machinery, etc.

Class 4. Deck Equipment Operator, Machineryman/Fireman (4 Equipment Units or More); Off Road Trucks; Deck Hand, Tug Engineer, Crane Maintenance (50 Ton Capacity and Under) or Backhoe Weighing (115,000 pounds or less); Assistant Tug Operator.

Class 5. Friction or Lattice Boom Cranes.

Class 6. ROV Pilot, ROV Tender

TERRAZZO FINISHER

The handling of sand, cement, marble chips, and all other materials that may be used by the Mosaic Terrazzo Mechanic, and the mixing, grinding, grouting, cleaning and sealing of all Marble, Mosaic, and Terrazzo work, floors, base, stairs, and wainscoting by hand or machine, and in addition, assisting and aiding Marble, Masonic, and Terrazzo Mechanics.

TRAFFIC SAFETY

Effective November 30, 2018, the description of the traffic safety worker trade in this County is as follows: Work associated with barricades, horses and drums used to reduce lane usage on highway work, the installation and removal of temporary, non-temporary or permanent lane, pavement or roadway markings, and the installation and removal of temporary road signs.

TRUCK DRIVER - BUILDING, HEAVY AND HIGHWAY CONSTRUCTION - EAST & WEST

Class 1. Two or three Axle Trucks. A-frame Truck when used for transportation purposes; Air Compressors and Welding Machines, including those pulled by cars, pick-up trucks and tractors; Ambulances; Batch Gate Lockers; Batch Hopperman; Car and Truck Washers; Carry-alls; Fork Lifts and Hoisters; Helpers; Mechanics Helpers and Greasers; Oil Distributors 2-man operation; Pavement Breakers; Pole Trailer, up to 40 feet; Power Mower Tractors; Self-propelled Chip Spreader; Skipman; Slurry Trucks, 2-man operation; Slurry Truck Conveyor Operation, 2 or 3 man; Teamsters; Unskilled Dumpman; and Truck Drivers hauling warning lights, barricades, and portable toilets on the job site.

Class 2. Four axle trucks; Dump Crets and Adgetors under 7 yards; Dumpsters, Track Trucks, Euclids, Hug Bottom Dump Turnapulls or Turnatrailers when pulling other than self-loading equipment or similar equipment under 16 cubic yards; Mixer Trucks under 7 yards; Ready-mix Plant Hopper Operator, and Winch Trucks, 2 Axles.

Class 3. Five axle trucks; Dump Crets and Adgetors 7 yards and over; Dumpsters, Track Trucks, Euclids, Hug Bottom Dump Turnatrailers or turnapulls when pulling other than self-loading equipment or similar equipment over 16 cubic yards; Explosives and/or Fission Material Trucks; Mixer Trucks 7 yards or over; Mobile Cranes while in transit; Oil Distributors, 1-man operation; Pole Trailer, over 40 feet; Pole and Expandable Trailers hauling material over 50 feet long; Slurry trucks, 1-man operation; Winch trucks, 3 axles or more; Mechanic--Truck Welder and Truck Painter.

Class 4. Six axle trucks; Dual-purpose vehicles, such as mounted crane trucks with hoist and accessories; Foreman; Master Mechanic; Self-loading equipment like P.B. and trucks with scoops on the front.

Other Classifications of Work:

For definitions of classifications not otherwise set out, the Department generally has on file such definitions which are available. If a task to be performed is not subject to one of the classifications of pay set out, the Department will upon being contacted state which neighboring county has such a classification and provide such rate, such rate being deemed to exist by reference in this document. If no neighboring county rate applies to the task, the Department shall undertake a special determination, such special determination being then deemed to have existed under this determination. If a project requires these, or any classification not listed, please contact IDOL at 217-782-1710 for wage rates or clarifications.

LANDSCAPING

Landscaping work falls under the existing classifications for laborer, operating engineer and truck driver. The work performed by landscape plantsman and landscape laborer is covered by the existing classification of laborer. The work performed by landscape operators (regardless of equipment used or its size) is covered by the classifications of operating engineer. The work performed by landscape truck drivers (regardless of size of truck driven) is covered by the classifications of truck driver.

MATERIAL TESTER & MATERIAL TESTER/INSPECTOR I AND II

Notwithstanding the difference in the classification title, the classification entitled "Material Tester I" involves the same job duties as the classification entitled "Material Tester/Inspector I". Likewise, the classification entitled "Material Tester II" involves the same job duties as the classification entitled "Material Tester/Inspector II".

Prevailing Wage rates for Cook County effective August 15, 2018													
Trade Title	Region	Type	Class	Base Wage	Foreman	OT M-F	OT Sa	OT Su	OT Hol	H/W	Pension	Vacation	Training
ASBESTOS ABT-GEN	All	ALL		42.72	43.72	1.5	1.5	2	2	14.9	12.57	0	0.72
ASBESTOS ABT-MEC	All	BLD		37.88	40.38	1.5	1.5	2	1.5	12.9	11.82	0	0.72
BOILERMAKER	All	BLD		49.46	53.91	1.5	1.5	2	2	6.97	20.4	0	1.6
BRICK MASON	All	BLD		46.19	50.8	1.5	2	2	2	10.7	17.92	0	1.77
CARPENTER	All	ALL		47.35	49.35	1.5	1.5	2	2	11.8	20.41	0	0.63
CEMENT MASON	All	ALL		45.25	47.25	2	1.5	2	2	14.3	17.03	0	1.1
CERAMIC TILE FNSHER	All	BLD		39.56		2	1.5	2	2	10.8	12.02	0	0.97
COMM. ELECT.	All	BLD		43.96	46.76	1.5	1.5	2	2	9.85	13.26	1.25	0.85
ELECTRIC PWR EQMT OP	All	ALL		51.9	56.9	1.5	1.5	2	2	12	17.18	0	3.23
ELECTRIC PWR GRNDMAN	All	ALL		40.48	56.9	1.5	1.5	2	2	9.39	13.4	0	2.51
ELECTRIC PWR LINEMAN	All	ALL		50.5	55.5	1.5	1.5	2	2	11.7	17.2	0	2.61
ELECTRICIAN	All	ALL		48.35	51.35	1.5	1.5	2	2	15.1	16.52	1.25	1.28
ELEVATOR CONSTRUCTOR	All	BLD		54.85		2	2	2	2	15.4	16.61	4.39	0.61
FENCE ERECTOR	All	ALL		40.88	42.88	1.5	1.5	2	1.5	13.6	14.76	0	0.65
GLAZIER	All	BLD		43.85	45.35	1.5	2	2	2	14.4	21.11	0	0.94
HT/FROST INSULATOR	All	BLD		50.5	53	1.5	1.5	2	2	12.9	13.16	0	0.87
IRON WORKER	All	ALL		48.33	51.83	2	2	2	2	14.2	23.28	0	0.35
LABORER	All	ALL		42.72	44.32	1.5	1.5	2	2	14.9	12.57	0	0.72
LATHER	All	ALL		47.35	49.35	1.5	1.5	2	2	11.8	20.41	0	0.63
MACHINIST	All	BLD		48.38	50.88	1.5	1.5	2	2	7.23	8.95	1.85	1.32
MARBLE FINISHERS	All	ALL		34.65	47.7	1.5	1.5	2	2	10.7	16.46	0	0.49
MARBLE MASON	All	BLD		45.43	49.97	1.5	1.5	2	2	10.7	17.39	0	0.61
MATERIAL TESTER I	All	ALL		32.72	37.72	1.5	1.5	2	2	14.9	12.57	0	0.72
MATERIALS TESTER II	All	ALL		40.37		1.5	1.5	2	2	18.6	8.85	0	1.1
MILLWRIGHT	All	ALL		46.35	48.35	1.5	1.5	2	2	13.1	18.87	0	0
OPERATING ENGINEER	All	BLD	1	51.1		2	2	2	2	18.8	14.35	2	1.3
OPERATING ENGINEER	All	BLD	2	49.8	55.1	2	2	2	2	19.7	15.1	2	1.4
OPERATING ENGINEER	All	BLD	3	47.25	55.1	2	2	2	2	19.7	15.1	2	1.4
OPERATING ENGINEER	All	BLD	4	45.5	55.1	2	2	2	2	19.7	15.1	2	1.4

OPERATING ENGINEER	All	BLD	5	54.85	55.1	2	2	2	2	19.7	15.1	2	1.4
OPERATING ENGINEER	All	BLD	6	53.1		2	2	2	2	0	0	0	0
OPERATING ENGINEER	All	BLD	7	54.1	55.1	2	2	2	2	19.7	15.1	2	1.4
OPERATING ENGINEER	All	FLT	1	57.05	57.05	1.5	1.5	2	2	18.8	14.35	2	1.3
OPERATING ENGINEER	All	FLT	2	55.55	57.05	1.5	1.5	2	2	18.8	14.35	2	1.3
OPERATING ENGINEER	All	FLT	3	49.45	57.05	1.5	1.5	2	2	18.8	14.35	2	1.3
OPERATING ENGINEER	All	FLT	4	41.1	57.05	1.5	1.5	2	2	18.8	14.35	2	1.3
OPERATING ENGINEER	All	FLT	5	58.55	57.05	1.5	1.5	2	2	18.8	14.35	2	1.3
OPERATING ENGINEER	All	FLT	6	38	57.05	1.5	1.5	2	2	18.8	14.35	2	1.3
OPERATING ENGINEER	All	HWY	1	48.3		1.5	1.5	2	2	18.8	12.05	2	4.63
OPERATING ENGINEER	All	HWY	2	48.75		1.5	1.5	2	2	19.7	15.1	2	1.4
OPERATING ENGINEER	All	HWY	3	46.7	53.3	1.5	1.5	2	2	19.7	15.1	2	1.4
OPERATING ENGINEER	All	HWY	4	51.2		1.5	1.5	2	2	18	21.28	1.5	0.15
OPERATING ENGINEER	All	HWY	5	44.1	53.3	1.5	1.5	2	2	19.7	15.1	2	1.4
OPERATING ENGINEER	All	HWY	6	52.3		1.5	1.5	2	2	19.7	15.1	2	1.4
OPERATING ENGINEER	All	HWY	7	50.3		1.5	1.5	2	2	19.7	15.1	2	1.4
ORNAMNTL IRON WORKER	All	ALL		48.05	50.55	2	2	2	2	14.1	20.59	0	1.25
PAINTER	All	ALL		46.55	47.55	1.5	1.5	1.5	2	11.8	11.94	0	2.24
PAINTER SIGNS	All	BLD		39.24	0	1.5	1.5	1.5	2	2.6	3.18	0	0
PILEDRIVER	All	ALL		47.35	49.35	1.5	1.5	2	2	11.8	20.41	0	0.63
PIPEFITTER	All	BLD		48.5	51.5	1.5	1.5	2	1.5	10.1	18.94	0	2.54
PLASTERER	All	BLD		43.25	45.85	1.5	1.5	2	2	14.3	16.69	0	1.35
PLUMBER	All	BLD		50.25	53.25	1.5	1.5	2	2	14.3	14.42	0	1.31
ROOFER	All	BLD		43.65	47.65	1.5	1.5	2	2	9.73	12.44	0	0.53
SHEETMETAL WORKER	All	BLD		44.25	47.79	1.5	1.5	2	2	11.4	24.68	0	1.68
SIGN HANGER	All	BLD		31.31		1.5	1.5	2	2	4.85	3.28	0	0
SPRINKLER FITTER	All	BLD		48.1	50.6	1.5	1.5	2	2	13.3	15.9	0	0.68
STEEL ERECTOR	ALL	ALL		42.07	44.07	2	2	2	2	13.5	19.59	0	0.35
STONE MASON	All	BLD		46.19	50.81	1.5	1.5	2	2	10.7	17.92	0	0.92
TERRAZZO FINISHER	All	BLD		41.54	44.54	1.5	1.5	2	2	10.8	13.47	0	0.4
TERRAZZO MASON	All	BLD		45.38	48.38	1.5	1.5	2	2	10.8	15.89	0	0.4

TILE MASON	All	BLD		46.49		2	1.5	2	2	10.8	14.99	0	1.13
TRAFFIC SAFETY WRKR	All	HWY		37	38.6	1.5	1.5	2	2	8.9	9.27	0	0.5
TRUCK DRIVER	E	ALL	1	35.6		1.5	1.5	2	2	8.6	10.61	1	0.15
TRUCK DRIVER	E	ALL	2	36.7	37.1	1.5	1.5	2	2	9.68	13.25	0	0.15
TRUCK DRIVER	E	ALL	3	36.9		1.5	1.5	2	2	9.68	13.25	0	0.15
TRUCK DRIVER	E	ALL	4	37.1		1.5	1.5	2	2	9.68	13.25	0	0.15
TRUCK DRIVER	W	ALL	1	37.69		1.5	1.5	2	2	10.5	8.5	0	0.15
TRUCK DRIVER	W	ALL	2	36.13		1.5	1.5	2	2	18.9	8.85	0	2.6
TRUCK DRIVER	W	ALL	3	40.34		1.5	1.5	2	2	10.5	12.5	0	0.5
TRUCK DRIVER	W	ALL	4	38.16		1.5	1.5	2	2	8.9	11.16	0	0.5
TUCKPOINTER	All	BLD		46	48	1.5	1.5	2	2	8.34	16.81	0	0.93

INDEX
FOR
SUPPLEMENTAL SPECIFICATIONS
AND RECURRING SPECIAL PROVISIONS

Adopted January 1, 2019

This index contains a listing of SUPPLEMENTAL SPECIFICATIONS, frequently used RECURRING SPECIAL PROVISIONS, and LOCAL ROADS AND STREETS RECURRING SPECIAL PROVISIONS.

SUPPLEMENTAL SPECIFICATIONS

Illinois Department of Transportation

Check Sheet For Recurring Special Provisions

The Following Recurring Special Provisions Indicated By An “X” Are Applicable To This Contract And Are Included By Reference:

Recurring Special Provisions

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The Following Local Roads And Streets Recurring Special Provisions Indicated By An “X” Are Applicable To This Contract And Are Included By Reference:

Local Roads And Streets Recurring Special Provisions

BDE SPECIAL PROVISIONS
For the August 2, 2019 and September 20, 2019 Lettings

The following special provisions indicated by a “check mark” are applicable to this contract and will be included by the Project Coordination and Implementation Section of the BD&E. An * indicates a new or revised special provision for the letting.

File Name	#		Special Provision Title	Effective	Revised
80099	1	☐	Accessible Pedestrian Signals (APS)	April 1, 2003	Jan. 1, 2014
80274	2	☐	Aggregate Subgrade Improvement	April 1, 2012	April 1, 2016
80192	3	☐	Automated Flagger Assistance Device	Jan. 1, 2008	
80173	4	☐	Bituminous Materials Cost Adjustments	Nov. 2, 2006	Aug. 1, 2017
80241	5	☐	Bridge Demolition Debris	July 1, 2009	
5026I	6	☐	Building Removal-Case I (Non-Friable and Friable Asbestos)	Sept. 1, 1990	April 1, 2010
5048I	7	☐	Building Removal-Case II (Non-Friable Asbestos)	Sept. 1, 1990	April 1, 2010
5049I	8	☐	Building Removal-Case III (Friable Asbestos)	Sept. 1, 1990	April 1, 2010
5053I	9	☐	Building Removal-Case IV (No Asbestos)	Sept. 1, 1990	April 1, 2010
80404	10	☐	Coarse Aggregate Quality for Micro-Surfacing and Cape Seals	Jan. 1, 2019	
80384	11	☐	Compensable Delay Costs	June 2, 2017	April 1, 2019
80198	12	☐	Completion Date (via calendar days)	April 1, 2008	
80199	13	☐	Completion Date (via calendar days) Plus Working Days	April 1, 2008	
80293	14	☐	Concrete Box Culverts with Skews > 30 Degrees and Design Fills ≤ 5 Feet	April 1, 2012	July 1, 2016
80311	15	☐	Concrete End Sections for Pipe Culverts	Jan. 1, 2013	April 1, 2016
80277	16	☐	Concrete Mix Design – Department Provided	Jan. 1, 2012	April 1, 2016
80261	17	☑	Construction Air Quality – Diesel Retrofit	June 1, 2010	Nov. 1, 2014
80387	18	☐	Contrast Preformed Plastic Pavement Marking	Nov. 1, 2017	
80029	19	☐	Disadvantaged Business Enterprise Participation	Sept. 1, 2000	March 2, 2019
80402	20	☐	Disposal Fees	Nov. 1, 2018	
80378	21	☐	Dowel Bar Inserter	Jan. 1, 2017	Jan. 1, 2018
80405	22	☐	Elastomeric Bearings	Jan. 1, 2019	
* 80415	23	☐	Emulsified Asphalts	Aug. 1, 2019	
80388	24	☐	Equipment Parking and Storage	Nov. 1, 2017	
80229	25	☐	Fuel Cost Adjustment	April 1, 2009	Aug. 1, 2017
80304	26	☐	Grooving for Recessed Pavement Markings	Nov. 1, 2012	Nov. 1, 2017
80246	27	☑	Hot-Mix Asphalt – Density Testing of Longitudinal Joints	Jan. 1, 2010	Aug. 1, 2018
80398	28	☑	Hot-Mix Asphalt – Longitudinal Joint Sealant	Aug. 1, 2018	Jan. 1, 2019
80406	29	☐	Hot-Mix Asphalt – Mixture Design Verification and Production (Modified for I-FIT Projects)	Jan. 1, 2019	
80399	30	☐	Hot-Mix Asphalt – Oscillatory Roller	Aug. 1, 2018	Nov. 1, 2018
80347	31	☐	Hot-Mix Asphalt – Pay for Performance Using Percent Within Limits – Jobsite Sampling	Nov. 1, 2014	Aug. 1, 2018
80383	32	☐	Hot-Mix Asphalt – Quality Control for Performance	April 1, 2017	Jan. 1, 2019
80392	33	☑	Lights on Barricades	Jan. 1, 2018	
80336	34	☐	Longitudinal Joint and Crack Patching	April 1, 2014	April 1, 2016
80411	35	☐	Luminaires, LED	April 1, 2019	
80393	36	☑	Manholes, Valve Vaults, and Flat Slab Tops	Jan. 1, 2018	March 1, 2019
80400	37	☐	Mast Arm Assembly and Pole	Aug. 1, 2018	
80045	38	☐	Material Transfer Device	June 15, 1999	Aug. 1, 2014
80394	39	☐	Metal Flared End Section for Pipe Culverts	Jan. 1, 2018	April 1, 2018
80165	40	☐	Moisture Cured Urethane Paint System	Nov. 1, 2006	Jan. 1, 2010
* 80412	41	☐	Obstruction Warning Luminaires, LED	Aug. 1, 2019	
80349	42	☐	Pavement Marking Blackout Tape	Nov. 1, 2014	April 1, 2016
80371	43	☐	Pavement Marking Removal	July 1, 2016	
80390	44	☑	Payments to Subcontractors	Nov. 2, 2017	
80389	45	☑	Portland Cement Concrete	Nov. 1, 2017	

	80359	46	☐	Portland Cement Concrete Bridge Deck Curing	April 1, 2015	Nov. 1, 2017
	80300	47	☐	Preformed Plastic Pavement Marking Type D - Inlaid	April 1, 2012	April 1, 2016
	80328	48	☑	Progress Payments	Nov. 2, 2013	
	3426I	49	☐	Railroad Protective Liability Insurance	Dec. 1, 1986	Jan. 1, 2006
*	80157	50	☐	Railroad Protective Liability Insurance (5 and 10)	Jan. 1, 2006	
	80306	51	☐	Reclaimed Asphalt Pavement (RAP) and Reclaimed Asphalt Shingles (RAS)	Nov. 1, 2012	Jan. 1, 2019
	80407	52	☐	Removal and Disposal of Regulated Substances	Jan. 1, 2019	
	80395	53	☐	Sloped Metal End Section for Pipe Culverts	Jan. 1, 2018	
	80340	54	☐	Speed Display Trailer	April 2, 2014	Jan. 1, 2017
	80127	55	☐	Steel Cost Adjustment	April 2, 2004	Aug. 1, 2017
	80408	56	☐	Steel Plate Beam Guardrail Manufacturing	Jan. 1, 2019	
*	80413	57	☐	Structural Timber	Aug. 1, 2019	
	80397	58	☐	Subcontractor and DBE Payment Reporting	April 2, 2018	
	80391	59	☑	Subcontractor Mobilization Payments	Nov. 2, 2017	April 1, 2019
*	80317	60	☐	Surface Testing of Hot-Mix Asphalt Overlays	Jan. 1, 2013	Aug. 1, 2019
	80298	61	☐	Temporary Pavement Marking	April 1, 2012	April 1, 2017
	20338	62	☐	Training Special Provisions	Oct. 15, 1975	
	80403	63	☐	Traffic Barrier Terminal, Type 1 Special	Nov. 1, 2018	
	80409	64	☑	Traffic Control Devices - Cones	Jan. 1, 2019	
	80410	65	☐	Traffic Spotters	Jan. 1, 2019	
	80318	66	☐	Traversable Pipe Grate for Concrete End Sections	Jan. 1, 2013	Jan. 1, 2018
	80288	67	☐	Warm Mix Asphalt	Jan. 1, 2012	April 1, 2016
	80302	68	☐	Weekly DBE Trucking Reports	June 2, 2012	April 2, 2015
*	80414	69	☐	Wood Fence Sight Screen	Aug. 1, 2019	
	80071	70	☐	Working Days	Jan. 1, 2002	

The following special provisions are in the 2019 Supplemental Specifications and Recurring Special Provisions.

File Name	Special Provision Title	New Location(s)	Effective	Revised
80382	Adjusting Frames and Grates	Articles 602.02(s) and (t), 1043.04, and1043.05	April 1, 2017	
80366	Butt Joints	Article 406.08(c)	July 1, 2016	
80386	Calcium Aluminate Cement for Class PP-5 Concrete Patching	Article 1001.01(e)	Nov. 1, 2017	
80396	Class A and B Patching	Articles 442.06(a)(1) and (2)	Jan. 1, 2018	Nov. 1, 2018
80377	Portable Changeable Message Signs	Articles 701.20(h) and 1106.02(i)	Nov. 1, 2016	April 1, 2017
80385	Portland Cement Concrete Sidewalk	Article 424.12	Aug. 1, 2017	

The following special provisions have been deleted from use.

File Name	Special Provision Title	Effective	Revised
80376	Hot-Mix Asphalt – Tack Coat	Nov. 1, 2016	
80401	Portland Cement Concrete Pavement Connector for Bridge Approach Slab	Aug. 1, 2018	

The following special provisions require additional information from the designer. The additional information needs to be submitted as a separate document. The Project Coordination and Implementation section will then include the information in the applicable special provision.

- Bridge Demolition Debris
- Building Removal - Case I
- Building Removal – Case II
- Building Removal - Case III
- Building Removal-Case IV
- Completion Date
- Completion Date Plus Working Days
- DBE Participation
- Material Transfer Device
- Railroad Protective Liability Insurance
- Training Special Provisions
- Working Days

CONSTRUCTION AIR QUALITY – DIESEL RETROFIT (BDE)

Effective: June 1, 2010
Revised: November 1, 2014

The reduction of emissions of particulate matter (PM) for off-road equipment shall be accomplished by installing retrofit emission control devices. The term "equipment" refers to diesel fuel powered devices rated at 50 hp and above, to be used on the jobsite in excess of seven calendar days over the course of the construction period on the jobsite (including rental equipment).

Contractor and subcontractor diesel powered off-road equipment assigned to the contract shall be retrofitted using the phased in approach shown below. Equipment that is of a model year older than the year given for that equipment's respective horsepower range shall be retrofitted:

Effective Dates	Horsepower Range	Model Year
June 1, 2010 [1/]	600-749	2002
	750 and up	2006
June 1, 2011 [2/]	100-299	2003
	300-599	2001
	600-749	2002
	750 and up	2006
June 1, 2012 [2/]	50-99	2004
	100-299	2003
	300-599	2001
	600-749	2002
	750 and up	2006

1/ Effective dates apply to Contractor diesel powered off-road equipment assigned to the contract.

2/ Effective dates apply to Contractor and subcontractor diesel powered off-road equipment assigned to the contract.

The retrofit emission control devices shall achieve a minimum PM emission reduction of 50 percent and shall be:

a) Included on the U.S. Environmental Protection Agency (USEPA) *Verified Retrofit Technology List* (http://www.epa.gov/cleandiesel/verification/verif-list.htm), or verified by the California Air Resources Board (CARB) (http://www.arb.ca.gov/diesel/verdev/vt/cvt.htm); or

b) Retrofitted with a non-verified diesel retrofit emission control device if verified retrofit emission control devices are not available for equipment proposed to be used on the project, and if the Contractor has obtained a performance certification from the retrofit

device manufacturer that the emission control device provides a minimum PM emission reduction of 50 percent.

Note: Large cranes (Crawler mounted cranes) which are responsible for critical lift operations are exempt from installing retrofit emission control devices if such devices adversely affect equipment operation.

Diesel powered off-road equipment with engine ratings of 50 hp and above, which are unable to be retrofitted with verified emission control devices or if performance certifications are not available which will achieve a minimum 50 percent PM reduction, may be granted a waiver by the Department if documentation is provided showing good faith efforts were made by the Contractor to retrofit the equipment.

Construction shall not proceed until the Contractor submits a certified list of the diesel powered off-road equipment that will be used, and as necessary, retrofitted with emission control devices. The list(s) shall include (1) the equipment number, type, make, Contractor/rental company name; and (2) the emission control devices make, model, USEPA or CARB verification number, or performance certification from the retrofit device manufacturer. Equipment reported as fitted with emissions control devices shall be made available to the Engineer for visual inspection of the device installation, prior to being used on the jobsite.

The Contractor shall submit an updated list of retrofitted off-road construction equipment as retrofitted equipment changes or comes on to the jobsite. The addition or deletion of any diesel powered equipment shall be included on the updated list.

If any diesel powered off-road equipment is found to be in non-compliance with any portion of this special provision, the Engineer will issue the Contractor a diesel retrofit deficiency deduction.

Any costs associated with retrofitting any diesel powered off-road equipment with emission control devices shall be considered as included in the contract unit prices bid for the various items of work involved and no additional compensation will be allowed. The Contractor's compliance with this notice and any associated regulations shall not be grounds for a claim.

Diesel Retrofit Deficiency Deduction

When the Engineer determines that a diesel retrofit deficiency exists, a daily monetary deduction will be imposed for each calendar day or fraction thereof the deficiency continues to exist. The calendar day(s) will begin when the time period for correction is exceeded and end with the Engineer's written acceptance of the correction. The daily monetary deduction will be $1,000.00 for each deficiency identified.

The deficiency will be based on lack of diesel retrofit emissions control.

If a Contractor accumulates three diesel retrofit deficiency deductions for the same piece of equipment in a contract period, the Contractor will be shutdown until the deficiency is corrected.

Such a shutdown will not be grounds for any extension of the contract time, waiver of penalties, or be grounds for any claim.

80261

HOT-MIX ASPHALT - DENSITY TESTING OF LONGITUDINAL JOINTS (BDE)

Effective: January 1, 2010
Revised: August 1, 2018

Description. This work shall consist of testing the density of longitudinal joints as part of the quality control/quality assurance (QC/QA) of hot-mix asphalt (HMA). Work shall be according to Section 1030 of the Standard Specifications except as follows.

Quality Control/Quality Assurance (QC/QA). Delete the second and third sentence of the third paragraph of Article 1030.05(d)(3) of the Standard Specifications.

Add the following paragraphs to the end of Article 1030.05(d)(3) of the Standard Specifications:

"Longitudinal joint density testing shall be performed at each random density test location. Longitudinal joint testing shall be located at a distance equal to the lift thickness or a minimum of 4 in. (100 mm), from each pavement edge. (i.e. for a 5 in. (125 mm) lift the near edge of the density gauge or core barrel shall be within 5 in. (125 mm) from the edge of pavement.) Longitudinal joint density testing shall be performed using either a correlated nuclear gauge or cores.

a. Confined Edge. Each confined edge density shall be represented by a one-minute nuclear density reading or a core density and shall be included in the average of density readings or core densities taken across the mat which represents the Individual Test.

b. Unconfined Edge. Each unconfined edge joint density shall be represented by an average of three one-minute density readings or a single core density at the given density test location and shall meet the density requirements specified herein. The three one-minute readings shall be spaced 10 ft (3 m) apart longitudinally along the unconfined pavement edge and centered at the random density test location.

When a longitudinal joint sealant (LJS) is applied, longitudinal joint density testing will not be required on the joint(s) sealed."

Revise the Density Control Limits table in Article 1030.05(d)(4) of the Standard Specifications to read:

"Mixture Composition	Parameter	Individual Test (includes confined edges)	Unconfined Edge Joint Density Minimum
IL-4.75	Ndesign = 50	93.0 – 97.4% [1/]	91.0%
IL-9.5	Ndesign = 90	92.0 – 96.0%	90.0%
IL-9.5,IL-9.5L	Ndesign < 90	92.5 – 97.4%	90.0%
IL-19.0	Ndesign = 90	93.0 – 96.0%	90.0%
IL-19.0, IL-19.0L	Ndesign < 90	93.0 [2/]– 97.4%	90.0%

SMA	Ndesign = 50 & 80	93.5 – 97.4%	91.0%”

80246

HOT-MIX ASPHALT – LONGITUDINAL JOINT SEALANT (BDE)

Effective: August 1, 2018
Revised: January 1, 2019

Add the following to Article 406.02 of the Standard Specifications.

"(d) Longitudinal Joint Sealant (LJS) .....1032"

Add the following to Article 406.03 of the Standard Specifications.

"(k) Longitudinal Joint Sealant (LJS) Pressure Distributor (Note 2)
(l) Longitudinal Joint Sealant (LJS) Melter Kettle (Note 3)

Note 2. When a pressure distributor is used to apply the LJS, the distributor shall be equipped with a heating and recirculating system along with a functioning auger agitating system or vertical shaft mixer in the hauling tank to prevent localized overheating. The distributor shall be equipped with a guide or laser system to aid in proper placement of the LJS application.

Note 3. When a melter kettle is used to transport and apply the LJS, the melter kettle shall be an oil jacketed double-boiler with agitating and recirculating systems. Material from the kettle may be dispensed through a pressure feed wand with an applicator shoe or through a pressure feed wand into a hand-operated thermal push cart."

Revise Article 406.06(g)(2) of the Standard Specifications to read:

"(2) Longitudinal Joints. Unless prohibited by stage construction, any HMA lift shall be complete before construction of the subsequent lift. The longitudinal joint in all lifts shall be at the centerline of the pavement if the roadway comprises two lanes in width, or at lane width if the roadway is more than two lanes in width.

When stage construction prohibits the total completion of a particular lift, the longitudinal joint in one lift shall be offset from the longitudinal joint in the preceding lift by not less than 3 in. (75 mm). The longitudinal joint in the surface course shall be at the centerline of the pavement if the roadway comprises two lanes in width, or at lane width if the roadway is more than two lanes in width.

A notched wedge longitudinal joint shall be used between successive passes of HMA binder course that has a difference in elevation of greater than 2 in. (50 mm) between lanes on pavement that is open to traffic.

The notched wedge longitudinal joint shall consist of a 1 to 1 1/2 in. (25 to 38 mm) vertical notch at the lane line, a 9 to 12 in. (230 to 300 mm) wide uniform taper sloped toward and extending into the open lane, and a second 1 to 1 1/2 in. (25 to 38 mm) vertical notch at the outside edge.

The notched wedge longitudinal joint shall be formed by the strike off device on the paver. The wedge shall then be compacted by the joint roller.

Tack coat shall be applied to the entire surface of the notched wedge joint immediately prior to placing the adjacent lift of binder. The material shall be uniformly applied at a rate of 0.05 to 0.1 gal/sq yd (0.2 to 0.5 L/sq m).

When the use of LJS is specified, it shall be applied for the lift(s) of paving as shown on the plans. The surface to which the LJS is applied shall be dry and cleaned of all dust, debris, and any substances that will prevent the LJS from adhering. Cleaning shall be accomplished by means of a sweeper/vacuum truck, power broom, air compressor or by hand. The LJS may be placed before or after the tack or prime coat. When placed after the tack or prime coat, the tack or prime shall be fully cured prior to placement of the LJS.

The LJS shall be centered ± 2 in. (± 50 mm) under the joint of the next HMA lift to be constructed.

The width and minimum application rate of LJS shall be according to the following table.

LJS Application Table		
Overlay Thickness in. (mm)	LJS Width in. (mm)	Application Rate [1/] lb/ft (kg/m)
HMA Mixtures		
3/4 (19)	18 (450)	0.88 (1.31)
1 (25)	18 (450)	1.15 (1.71)
1 1/4 (32)	18 (450)	1.31 (1.95)
1 1/2 (38)	18 (450)	1.47 (2.19)
1 3/4 (44)	18 (450)	1.63 (2.43)
2 (50)	18 (450)	1.80 (2.68)
2 1/4 (60)	18 (450)	1.96 (2.92)
2 1/2 (63)	18 (450)	2.12 (3.16)
2 3/4 (70)	18 (450)	2.29 (3.41)
3 (75)	18 (450)	2.45 (3.65)
3 1/4 (83)	18 (450)	2.61 (3.89)
3 1/2 (90)	18 (450)	2.78 (4.14)
3 3/4 (95)	18 (450)	2.94 (4.38)
4 (100)	18 (450)	3.10 (4.62)
SMA Mixtures		
1 1/2 (38)	18 (450)	1.26 (1.88)
1 3/4 (44)	18 (450)	1.38 (2.06)

2 (50)	18 (450)	1.51 (2.25)

1/ The application rate has a surface demand for liquid included within it. The thickness of the LJS may taper from the center of the application to a lesser thickness on the edge of the application, provided the correct width and application rate are maintained.

The Contractor shall furnish to the Engineer a bill of lading for each tanker supplying material to the project. The application rate of LJS shall be verified within the first 1000 ft (300 m) of the day's scheduled application length and every 12,000 ft (3600 m) the remainder of the day. For projects less than 3000 ft (900 m), the rate shall be verified once. A suitable paper or pan shall be placed at a random location in the path of the LJS. After application of the LJS, the paper or pan shall be picked up, weighed, and the application rate calculated. The tolerance between the application rate shown in the LJS Application Table and the calculated rate shall be ± 15 percent. The Contractor shall replace the LJS in the area where the sample was taken.

A 1 qt (1 L) sample shall be taken from the pressure distributor or melting kettle at the jobsite once for each contract and sent to the Central Bureau of Materials.

The LJS shall be applied in a single pass with a pressure distributor, melter kettle, or hand applied from a roll for HMA lifts up to 2 in. (50 mm) in thickness. The LJS shall be applied in two passes for HMA lifts between 2 and 4 in. (50 and 100 mm) in thickness. At the time of installation, the pavement surface temperature and the ambient temperature shall be a minimum of 40 °F (4 °C) and rising.

The LJS shall be applied at a width of not less than or greater than 1 1/2 in. (38 mm) of the width specified. If the LJS flows more than 2 in. (50 mm) from the initial placement width, LJS placement shall stop and remedial action shall be taken.

When starting another run of LJS placement, suitable release paper shall be placed over the previous application of LJS to prevent doubling up of thickness of LJS.

The LJS shall be suitable for construction traffic to drive on without pickup or tracking of the LJS within 30 minutes of placement. If pickup or tracking occurs, LJS placement shall stop and damaged areas shall be repaired.

Prior to paving, the Contractor shall ensure the paver end plate and grade control device is adequately raised above the finished height of the LJS.

The LJS shall not flush to the final surface of the HMA pavement."

Add the following paragraph after the second paragraph of Article 406.13(b) of the Standard Specifications.

"Application of longitudinal joint sealant (LJS) will be measured for payment in place in feet (meters)."

Add the following paragraph after the first paragraph of Article 406.14 of the Standard Specifications.

"Longitudinal joint sealant will be paid for at the contract unit price per foot (meter) for LONGITUDINAL JOINT SEALANT."

Add the following to Section 1032 of the Standard Specifications.

"**1032.12 Longitudinal Joint Sealant (LJS).** Longitudinal joint sealant (LJS) will be accepted according to the current Bureau of Materials and Physical Research Policy Memorandum, "Performance Graded Asphalt Binder Acceptance Procedure" with the following exceptions: Article 3.1.9 and 3.4.1.4 of the policy memorandum will be excluded. The bituminous material used for the LJS shall be according to the following table. Elastomers shall be added to a base asphalt and shall be either a styrene-butadiene diblock or triblock copolymer without oil extension, or a styrene-butadiene rubber. Air blown asphalt, acid modification, or other modifiers will not be allowed. LJS in the form of pre-formed rollout banding may also be used.

Test	Test Requirement	Test Method
Dynamic shear @ 88°C (unaged), G*/sin δ, kPa	1.00 min.	AASHTO T 315
Creep stiffness @ -18°C (unaged), Stiffness (S), MPa m-value	300 max. 0.300 min.	AASHTO T 313
Ash, %	1.0 – 4.0	AASHTO T 111
Elastic Recovery, 100 mm elongation, cut immediately, 25°C, %	70 min.	ASTM D 6084 (Procedure A)
Separation of Polymer, Difference in °C of the softening point (ring and ball)	3 max.	ITP Separation of Polymer from Asphalt Binder"

80398

LIGHTS ON BARRICADES (BDE)

Effective: January 1, 2018

Revise Article 701.16 of the Standard Specifications to read:

"**701.16 Lights.** Lights shall be used on devices as required in the plans, the traffic control plan, and the following table.

Circumstance	Lights Required
Daylight operations	None
First two warning signs on each approach to the work involving a nighttime lane closure and "ROUGH GROOVED SURFACE" (W8-I107) signs	Flashing mono-directional lights
Devices delineating isolated obstacles, excavations, or hazards at night (Does not apply to patching)	Flashing bi-directional lights
Devices delineating obstacles, excavations, or hazards exceeding 100 ft (30 m) in length at night (Does not apply to widening)	Steady burn bi-directional lights
Channelizing devices for nighttime lane closures on two-lane roads	None
Channelizing devices for nighttime lane closures on multi-lane roads	None
Channelizing devices for nighttime lane closures on multi-lane roads separating opposing directions of traffic	None
Channelizing devices for nighttime along lane shifts on multilane roads	Steady burn mono-directional lights
Channelizing devices for night time along lane shifts on two lane roads	Steady burn bi-directional lights
Devices in nighttime lane closure tapers on Standards 701316 and 701321	Steady burn bi-directional lights
Devices in nighttime lane closure tapers	Steady burn mono-directional lights
Devices delineating a widening trench	None
Devices delineating patches at night on roadways with an ADT less than 25,000	None
Devices delineating patches at night on roadways with an ADT of 25,000 or more	None

Batteries for the lights shall be replaced on a group basis at such times as may be specified by the Engineer."

Delete the fourth sentence of the first paragraph of Article 701.17(c)(2) of the Standard Specifications.

Revise the first paragraph of Article 603.07 of the Standard Specifications to read:

"**603.07 Protection Under Traffic.** After the casting has been adjusted and Class SI concrete has been placed, the work shall be protected by a barricade for at least 72 hours."

80392

MANHOLES, VALVE VAULTS, AND FLAT SLAB TOPS (BDE)

Effective: January 1, 2018
Revised: March 1, 2019

Description. In addition to those manufactured according to the current standards included in this contract, manholes, valve vaults, and flat slab tops manufactured prior to March 1, 2019, according to the previous Highway Standards listed below will be accepted on this contract:

Product	Previous Standards		
Precast Manhole Type A, 4' (1.22 m) Diameter	602401-05	602401-04	602401-03
Precast Manhole Type A, 5' (1.52 m) Diameter	602402-01	602402	602401-03
Precast Manhole Type A, 6' (1.83 m) Diameter	602406-09	602406-08	602406-07
Precast Manhole Type A, 7' (2.13 m) Diameter	602411-07	602411-06	602411-05
Precast Manhole Type A, 8' (2.44 m) Diameter	602416-07	602416-06	602416-05
Precast Manhole Type A, 9' (2.74 m) Diameter	602421-07	602421-06	602421-05
Precast Manhole Type A, 10' (3.05 m) Diameter	602426-01	602426	
Precast Valve Vault Type A, 4' (1.22 m) Diameter	602501-04	602501-03	602501-02
Precast Valve Vault Type A, 5' (1.52 m) Diameter	602506-01	602506	602501-02
Precast Reinforced Concrete Flat Slab Top	602601-05	602601-04	

The following revisions to the Standard Specifications shall apply to manholes, valve vaults, and flat slab tops manufactured according to the current standards included in this contract:

Revise Article 602.02(g) of the Standard Specifications to read:

"(g) Structural Steel (Note 4) 1006.04

Note 4. All components of the manhole joint splice shall be galvanized according to the requirements of AASHTO M 111 or M 232 as applicable."

Add the following to Article 602.02 of the Standard Specifications:

"(s) Anchor Bolts and Rods (Note 5) 1006.09

Note 5. The threaded rods for the manhole joint splice shall be according to the requirements of ASTM F 1554, Grade 55, (Grade 380)."

Revise the second paragraph of Article 1042.10 of the Standard Specifications to read:

"Catch basin Types A, B, C, and D; Manhole Type A; Inlet Types A and B; Drainage Structures Types 1, 2, 3, 4, 5, and 6; Valve Vault Type A; and reinforced concrete flat slab top (Highway Standard 602601) shall be manufactured according to AASHTO M 199 (M 199M), except as shown on the plans. Additionally, catch basins, inlets, and drainage structures shall have a minimum concrete compressive strength of 4500 psi (31,000 kPa) at 28 days and manholes,

valve vaults, and reinforced concrete flat slab tops shall have a minimum concrete compressive strength of 5000 psi (34,500 kPa) at 28 days.”

80393

PAYMENTS TO SUBCONTRACTORS (BDE)

Effective: November 2, 2017

Add the following to the end of the fourth paragraph of Article 109.11 of the Standard Specifications:

"If reasonable cause is asserted, written notice shall be provided to the applicable subcontractor and/or material supplier and the Engineer within five days of the Contractor receiving payment. The written notice shall identify the contract number, the subcontract or material purchase agreement, a detailed reason for refusal, the value of payment being withheld, and the specific remedial actions required of the subcontractor and/or material supplier so that payment can be made."

80390

PORTLAND CEMENT CONCRETE (BDE)

Effective: November 1, 2017

Revise the Air Content % of Class PP Concrete in Table 1 Classes of Concrete and Mix Design Criteria in Article 1020.04 of the Standard Specifications to read:

"TABLE 1. CLASSES OF CONCRETE AND MIX DESIGN CRITERIA		
Class of Conc.	Use	Air Content %
PP	Pavement Patching Bridge Deck Patching (10)	
	PP-1	4.0 - 8.0"
	PP-2	
	PP-3	
	PP-4	
	PP-5	

Revise Note (4) at the end of Table 1 Classes of Concrete and Mix Design Criteria in Article 1020.04 of the Standard Specifications to read:

"(4) For all classes of concrete, the maximum slump may be increased to 7 in (175 mm) when a high range water-reducing admixture is used. For Class SC, the maximum slump may be increased to 8 in. (200 mm). For Class PS, the maximum slump may be increased to 8 1/2 in. (215 mm) if the high range water-reducing admixture is the polycarboxylate type."

80389

PROGRESS PAYMENTS (BDE)

Effective: November 2, 2013

Revise Article 109.07(a) of the Standard Specifications to read:

"(a) Progress Payments. At least once each month, the Engineer will make a written estimate of the quantity of work performed in accordance with the contract, and the value thereof at the contract unit prices. The amount of the estimate approved as due for payment will be vouchered by the Department and presented to the State Comptroller for payment. No amount less than $1000.00 will be approved for payment other than the final payment.

Progress payments may be reduced by liens filed pursuant to Section 23(c) of the Mechanics' Lien Act, 770 ILCS 60/23(c).

If a Contractor or subcontractor has defaulted on a loan issued under the Department's Disadvantaged Business Revolving Loan Program (20 ILCS 2705/2705-610), progress payments may be reduced pursuant to the terms of that loan agreement. In such cases, the amount of the estimate related to the work performed by the Contractor or subcontractor, in default of the loan agreement, will be offset, in whole or in part, and vouchered by the Department to the Working Capital Revolving Fund or designated escrow account. Payment for the work shall be considered as issued and received by the Contractor or subcontractor on the date of the offset voucher. Further, the amount of the offset voucher shall be a credit against the Department's obligation to pay the Contractor, the Contractor's obligation to pay the subcontractor, and the Contractor's or subcontractor's total loan indebtedness to the Department. The offset shall continue until such time as the entire loan indebtedness is satisfied. The Department will notify the Contractor and Fund Control Agent in a timely manner of such offset. The Contractor or subcontractor shall not be entitled to additional payment in consideration of the offset.

The failure to perform any requirement, obligation, or term of the contract by the Contractor shall be reason for withholding any progress payments until the Department determines that compliance has been achieved."

80328

SUBCONTRACTOR MOBILIZATION PAYMENTS (BDE)

Effective: November 2, 2017
Revised: April 1, 2019

Replace the second paragraph of Article 109.12 of the Standard Specifications with the following:

"This mobilization payment shall be made at least seven days prior to the subcontractor starting work. The amount paid shall be at the following percentage of the amount of the subcontract reported on form BC 260A submitted for the approval of the subcontractor's work.

Value of Subcontract Reported on Form BC 260A	Mobilization Percentage
Less than $10,000	25%
$10,000 to less than $20,000	20%
$20,000 to less than $40,000	18%
$40,000 to less than $60,000	16%
$60,000 to less than $80,000	14%
$80,000 to less than $100,000	12%
$100,000 to less than $250,000	10%
$250,000 to less than $500,000	9%
$500,000 to $750,000	8%
Over $750,000	7%"

80391

TRAFFIC CONTROL DEVICES - CONES (BDE)

Effective: January 1, 2019

Revise Article 701.15(a) of the Standard Specifications to read:

"(a) Cones. Cones are used to channelize traffic. Cones used to channelize traffic at night shall be reflectorized; however, cones shall not be used in nighttime lane closure tapers or nighttime lane shifts."

Revise Article 1106.02(b) of the Standard Specifications to read:

"(b) Cones. Cones shall be predominantly orange. Cones used at night that are 28 to 36 in. (700 to 900 mm) in height shall have two white circumferential stripes. If non-reflective spaces are left between the stripes, the spaces shall be no more than 2 in. (50mm) in width. Cones used at night that are taller than 36 in. (900 mm) shall have a minimum of two white and two fluorescent orange alternating, circumferential stripes with the top stripe being fluorescent orange. If non-reflective spaces are left between the stripes, the spaces shall be no more than 3 in. (75 mm) in width.

The minimum weights for the various cone heights shall be 4 lb for 18 in. (2 kg for 450 mm), 7 lb for 28 in. (3 kg for 700 mm), and 10 lb for 36 in. (5 kg for 900 mm) with a minimum of 60 percent of the total weight in the base. Cones taller than 36 in. shall be weighted per the manufacturer's specifications such that they are not moved by wind or passing traffic."

80409

Illinois Department of Transportation

Special Provisions

Local Public Agency	County	Section Number
VIllage of Buffalo Grove	Cook	

The following Special Provision supplement the "Standard Specifications for Road and Bridge Construction", adopted April 1, 2016, the latest edition of the "Manual on Uniform Traffic Control Devices for Streets and Highways", and the "Manual of Test Procedures of Materials" in effect on the date of invitation of bids, and the Supplemental Specification and Recurring Special Provisions indicated on the Check Sheet included here in which apply to and govern the construction of the above named section, and in case of conflict with any parts, or parts of said Specifications, the said Special Provisions shall take precedence and shall govern.

University Drive Street and Utility Improvement

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GENERAL CONDITIONS

1. SCOPE OF WORK

The provisions of Article 104.02 of the Standard Specifications are hereby amended as follows: **"The Village of Buffalo Grove (Village) expressly reserves the right to remove from or add to the project any portions thereof included in the 2019 University Drive Street and Utility Improvement Project. Such reductions, if any, shall be made in writing by the Village prior to execution of the Contract Documents. Any reduction in the scope of work required by the Village prior to the execution of the Contract Documents shall result in an adjustment to the contract or to the price originally bid."**

2. DEFINITION OF VILLAGE OF BUFFALO GROVE

All references in the contract relating to the Department, Awarding Authority, Village of Buffalo Grove, Village etc. shall mean the Village of Buffalo Grove.

3. COMPLETION DATE

The penalty for failure to complete work on time shall be in accordance with ARTICLE 108.09 FAILURE TO COMPLETE THE WORK ON TIME except as modified by these general conditions.

At the preconstruction meeting the Contractor shall bring a schedule of a proposed sequence for approval by the Village.

The work for University Drive shall start on or after September 3, 2019.

The substantial completion date for this project is November 15, 2019, at which time all contract work must be complete. Upon written notice of substantial completion submitted by the Contractor to the Engineer in accordance with ARTICLE 105.13 FINAL INSPECTION the Contractor will have 14 calendar days to correct any deficiencies following the scheduled project walk- thru and submittal of the punch list by the Engineer.

Liquidated damages will be applied to the Contractor for both failure to complete all Contract work prior to the substantial completion date and failure to complete all punch list items within the 14 calendar day timeframe.

The estimated award date for this project is August 19, 2019 with an anticipated start date of on or after September 3, 2019.

4. EXISTING HARDSCAPE

All damage to existing hardscape from tracked equipment shall be replaced at the Contractors expense. It is recommended rubber tired or rubber tracked equipment is used. Any unwarranted disturbance to the existing hardscape to remain will warrant repairs made joint to joint and in conformance with the bid documents with limits specified in the Maintenance Letter of Credit general condition. All work shall be done to the satisfaction of the Engineer. The Engineer shall determine

with the Village limits of removals and replacements due to the Contractors negligence.

5. LIQUIDATED DAMAGES

The "Schedule of Deductions for Each Day of Overrun in Contract Time" table listed in Article 108.09 shall be replaced with the following:

Regardless of the Contract amount the daily charges shall be $2,000 per calendar day.

6. PUBLIC CONVENIENCE AND SAFETY

Work shall be in accordance with ARTICLE 107.09 PUBLIC CONVENIENCE AND SAFETY except for no work will be allowed on Sundays or legal holiday periods as listed.

All work shall be confined to the period beginning at 7:00 AM and ending at 6:00 PM on weekdays, Monday thru Friday.

No work will be allowed on Saturdays unless prior approval is granted in writing by the Village. If work is allowed it shall be confined to the period beginning at 8:30 AM to 6:00 PM.

Any work outside the allowed time periods specified including but not limited to, material deliveries, mobilization of equipment, warming up machinery, general deliveries and mobilization of equipment a penalty of $1,000 may be imposed for each occurrence.

The completion date will be each reduced by one (1) full calendar day for each Saturday the Contractor elects to work; regardless if the Saturday work is a full day or partial day.

The work zone shall be maintained in accordance with SECTION 701 WORK ZONE TRAFFIC CONTROL AND PROTECTION. Negligence by the Contractor to follow these minimum guidelines that results in or causes damage to Village equipment during snow fall removal or any other similar Village operation will be the direct responsibility of the Contractor to repair. The repair will be completed by the Village and the cost of the repair will be deducted off the next pay request due to the Contractor.

All operations by the Contractor such as flushing, dewatering, leaking water trucks or equipment, repairs to broken water services or water main, or similar that cause freezing of water on the pavement or sidewalk shall be maintained by salting, sanding or removal of the condition by the Contractor to the satisfaction of the Engineer. This work shall be included in the cost of the Contract.

The contractor must maintain access for both residents and mail carriers to all mailboxes within the project area during construction.

7. SUB-CONTRACTORS

Add the following to the end of ARTICLE 108.01 SUBCONTRACTING.

"The apparent low Bidder on a "Request for Approval of a Subcontractor" (BC 260a) form shall submit to the office of Engineer within ten (10) calendar days after the receipt of bids, a list of the

names of Bidder's proposed subcontractors along with a description of the work to be performed by each. The Village will then review and reserves the right to reject the use of any subcontractor on the project due to past performance or the apparent inability to properly perform the item of work."

8. AUTHORITY OF THE ENGINEER

Revise ARTICLE 105.01 AUTHORITY OF ENGINEER to read:

"All work shall be done in accordance with the requirements of the Contract, the Engineer shall have the right, but not the obligation, to observe all work. The Engineer shall decide all questions that arise as to the interpretation of the Plans and Specifications and as to disputes and mutual rights between Contractors under the Specifications. The Engineer shall advise the Village of Buffalo Grove as to the quality and acceptability of materials furnished and work performed, rate of progress of the work, and acceptable fulfillment of the Contract. The Engineer will determine the amount of materials furnished and work performed. The Engineer's advice and determinations shall be conditions precedent to the right of the Contractor to receive money due the Contractor under the Contract."

"The Engineer will notify the Contractor in writing if the work is to be suspended by the Village of Buffalo Grove wholly or in part due to the failure of the Contractor to carry out provisions of the contract; for failure to carry out orders; for such periods due to unsuitable weather; for conditions considered unsuitable for the prosecution of the work or for any other condition or reason deemed to be in the public interest."

"In case of failure on the part of the Contractor to execute work as directed by the Engineer, the Village of Buffalo Grove may, at the expiration of a period of 48 hours after giving notice in writing to the Contractor, proceed to execute such work as may be deemed necessary, and the cost thereof shall be deducted from compensation due or which may become due to the Contractor under the contract."

The Engineer shall not assume any of the responsibilities of the Contractor's superintendent or of subcontractors; shall not expedite the work for the Contractor; and shall not advise on, or issue directions concerning aspects of construction means, methods, techniques, sequences or procedures, or safety precautions in connection with the work.

9. PRE-CONSTRUCTION MEETING

Prior to commencing any construction operations, there shall be a pre-construction meeting. The Village of Buffalo Grove or Engineer will set the time and date of the meeting after execution of the contract by both parties.

The following shall be submitted for review at the pre-construction meeting

A Progress Schedule

The 24-hour emergency phone number, field phone number, pager number, and cellular phone number of the Contractor's superintendent.

The name and 24-hour emergency telephone number of the person in the direct employ of the Contractor who is responsible for administrating the Traffic Control and Protection for the

Contract

A list of subcontractors with contact names, addresses, and phone numbers. Also, include quantity and type of work to be sublet.

Shop drawings for all items and mix designs for concrete and bituminous items to be installed on the project shall be submitted to the Village no less than ten (10) calendar days from the effective notice to proceed dated letter or the scheduled date of the pre-construction meeting, whichever occurs earlier. A penalty of $500 may be imposed for each submittal after that timeframe.

A list of material suppliers with contacts and phone numbers.

Failure to submit the above information at the pre-construction meeting that causes delays in the Engineers review and approval of the information shall not be grounds for an extension of the project completion date.

10. MAINTENANCE OF ROADWAYS AND EROSION CONTROL

Beginning on the date that the Contractor begins work on this project, he shall assume responsibility for normal maintenance of all existing roadways and trenches within the limits of the improvement. This normal maintenance shall include all repair work deemed necessary by the Engineer, but shall not include snow removal operations. Traffic control and protection for maintenance of roadways will be provided by the Contractor as required by the contract documents.

The Contractor shall sweep the roadway pavement at the end of each work day with a mechanical sweeper as deemed necessary by the Engineer. The debris shall be deposited in a self-containment type system that shall be disposed of according to ARTICLE 202.03 DISPOSAL OF MATERIALS. This work shall be included with the various contract pay items and will not be paid for separately.

Close up all excavations at the close of work each day. No excavations can be left open during non-work hours unless approved by the Village and adequately protected from the public.

The Contractor will be required over the course of construction to clean inlet filter baskets weekly or prior to a forecasted rain event, whichever is sooner. Many of the homes in the Village have lower garages and are susceptible to damage when streets flood. In the event water is not properly running through inlet filter baskets caused by debris the Village crews may respond to resident calls about street flooding. All Village expenses occurred in labor and materials responding to these calls will be back charged to the Contractor and taken off a future pay request.

The Contractor will be required to perform erosion control best management practices as listed on the plans, specifications and details during construction. Discharge of silt laden water or construction debris into the storm sewer or waterways will not be tolerated. Any discharge of silt laden water or construction debris into the storm sewer or waterway will be grounds for a fine as established in the monetary penalties general condition. In addition to the fine, the Contractor will be responsible for cleaning all storm sewers and waterways to their preconstruction condition to the satisfaction of the Engineer. In the event an illicit discharge occurs the Contractor shall concentrate their work efforts on remedying the situation to correct the deficiency.

If items of work have not been provided for in the contract, or otherwise specified for payment, such

items, including the accompanying traffic control and protection required by the Engineer, will be paid for in accordance with Article 109.04 of the Standard Specifications.

11. PERIOD OF ESTABLISHMENT

Include the following in addition to SECTION 250 SEEDING:

The work for these items shall include all labor, materials, and equipment necessary to furnish and place pulverized topsoil, seed, fertilizer nutrients and Mulch Method 3A. Work shall include preparing the existing ground surface, placing topsoil and fine grading the topsoil to match existing grades in preparation for seed. The topsoil shall be feathered to match the existing terrain and adjacent curb or roadway. This item is intended to blend any changes in pavement, curbs, shoulders and/or ditches to existing contours in accordance with Sections 211, 250, 251 and 252 of the Standard Specifications or as directed by the Engineer.

The Contractor shall ensure that the proposed grass seed meets the requirements of the IDOT class of seed specified, and shall be produced and tested in the current year, be of good quality, and free of weeds. Fertilizer shall be applied in accordance with Article 250.04 of the Standard Specifications.

The first watering shall begin within 24-hours of the placement of the mulch. The recommended rate of watering is 3 gallons per square yard every other day until final acceptance by the Engineer, however it is the sole responsibility of the Contractor to make necessary adjustments as to not under or over water.

Areas seeded must undergo a 30-day period of establishment beginning on the last day that seed is sowed. During this period, the Contractor shall be responsible for, at no additional cost to the Village, watering, removing weeds and maintaining the seeded areas and repairing any damage to the seeded areas due to but not limited to, errant vehicles, severe weather or all other causes. At the end of the period of establishment, the pay quantity for seeded areas, which results in weeds, bare areas, or are otherwise unacceptable, shall be deducted from the Contract quantities. However, the reduction in quantity of the contract pay item does not relieve the Contractor from their obligation to make repairs as determined necessary by the Engineer. Terms of acceptance shall be made by the Engineer and shall be final. No payments will be made to the Contractor until the end of the period of establishment. Should the seed not germinate because of prevailing cool weather, the period of establishment may be adjusted as determined by the Engineer.

The Village, at its sole discretion, may postpone seeding operations if deemed necessary. In such an event, the completion date may be extended accordingly.

12. CONSTRUCTION STAGING AND MAINTENANCE OF BASE COURSE

All pavement removal, curb installation and hot mix asphalt binder installation shall be done according to Sections 202, 406, 423, 440, 606 and include the following requirements.

Pavement removal and placing of the hot-mix asphalt binder course shall be staged in a manner to minimize the exposure of and traffic over the existing base course following pavement removal.

No pavement removal shall be commenced if rain is in the forecast within the following five working

days. If due to the Contractor not following this requirement all disking, drying or undercuts required to establish a sufficient base course that passes a proof roll prior to paving shall be done by the Contractor at no additional expense to the Village.

Roadways open to subgrade/subbase shall have the binder course installed within seven calendar days from the first day of pavement removal.

The Contractor will also be responsible for coordinating with the Village's waste hauler to ensure no streets are paved on garbage day.

All water main shall be substantially complete before the roadway pavement, driveway pavement, concrete curb & gutter and/or concrete sidewalk or similar is removed.

No resident shall be without access to their driveway for more than seven (7) calendar days unless specifically listed otherwise in the construction sequencing section on the plans.

Sidewalks removal and replacement shall follow the same schedule as residential driveways. No sidewalk shall be barricaded or closed for more than seven (7) calendar days unless specifically listed otherwise in the construction sequencing section of the plans.

Prior to installation of the proposed curb and gutter and/or driveway, the Contractor shall be required to deliver resident correspondences approved by the Engineer to each resident notifying them of the day and time they will not be able to get in and out of their driveway for the curb and gutter and/or driveway installation. After the curb has set, the Contractor shall install all required forms for installation of the driveways for inspection by the engineer. The Contractor is required to install the curb and driveways within two (2) calendar days of each other. Example: If the curb is poured on Monday the driveways will be required to be poured on the same day after the curb is set or on Tuesday. If the curb in front of the resident is not being replaced the Contractor shall frame and pour the driveway on the same day. The driveways shall be properly barricaded until the concrete is sufficiently cured. If the driveway requires that the old aggregate base course is to be removed and replaced, as determined by the Engineer, it shall be completed prior to pouring of the new concrete combination curb & gutter or not until after it has been allowed to cure for a minimum of three (3) calendar days, or after the concrete has reached 2,500 psi as verified by cylinder breaks. Any additional cylinders cast and testing costs associated with this verification shall be included in the cost of the contract.

If the Contractor does not install the curb and driveway in the time frame specified in this general condition a deduction of $250 per calendar day will be deducted for each day the driveway is installed late as determined by the Engineer.

The Contractor will be required to provide a temporary ramp immediately following pavement removal operations. This ramp shall be installed with materials at the discretion of the Contractor but the ramp must be removed prior to paving operations. The ramp shall be full driveway width for the driveway. Re-spreading of stone on the base or paving over binder ramps will not be allowed. All costs associated with furnishing, installing and removing the ramps shall be included in the cost of construction. If the Contractor fails to install or maintain the ramp in a timely manner during Construction a fine of $250 per day will be deducted from the amount due to the Contractor.

The Contractor shall make themselves aware of the surroundings and of private property. The Village

will not tolerate entering private property or driving equipment/vehicles on a driveway within the public right of way to remain for any reason during construction unless prior approval has been granted by the property Owner. The Contractor will be fined a sum of $500 per occurrence as determined by the Engineer for violation of this rule.

13. USE OF FIRE HYDRANTS

The use of fire hydrants will not be permitted. The Contractor can obtain non-potable water in bulk at no charge at the Buffalo Grove Public Works Department, 51 Raupp Blvd. The indiscriminate use of fire hydrants is strictly prohibited. The Contractor shall provide the water truck and driver to obtain and transport the water. The Village reserves the right to restrict or refuse the use of Village water, if deemed necessary. The Contractor will be responsible for executing the required paperwork and follow all requirements of the Village. The Village reserves the right to impose a fine of $1,000 per occurrence for operating a Village fire hydrant.

14. TREE PROTECTION AND PRESERVATION

This work shall consist of pruning existing trees, shrubs and bushes as detailed and specified on the plans and in accordance with Article 201.05 (c) of the Standard Specifications, except as modified herein.

Whenever trees not designated for removal interfere with the construction process, the following shall govern. The Contractor will take all the steps necessary to protect these trees.

a. All remedial, removal-planting costs resulting shall be paid for by the Contractor.

b. All trees larger than 6” in diameter and not specifically designated for removal, which are removed or damaged during construction, shall be assessed by the Village Forester or his designated representative. For each infraction causing damage to a tree, a penalty of $1,000.00 may be imposed and the replacement of the damaged tree required, depending on the extent of injury caused to each tree. All trees larger than 6” in diameter and not specifically designated for removal, which are removed during construction, are subject to a penalty of $1,000.00 per-removed tree and replacement on an inch for inch basis.

c. No replacement tree shall have a diameter of less than 3” or more than 6”, unless authorized by the Village of Buffalo Grove or his designated representative.

d. All plantings shall be done in accordance with Section 253 of the Standard Specifications.

15. CLEAN CONSTRUCTION DEMOLITION DEBRIS

Work under this item shall be performed in compliance with the Illinois Environmental Protection Agency (IEPA) guidelines in effect at the time of construction.

The Contractor will be required to make all arrangements for coordination and submission of the necessary documents with their chosen CCDD or other suitable disposal facility. Written confirmation of preliminary approval must be provided from the disposal facility and confirmed by the Village as acceptable.

All surplus, clean material generated from the Contractor's activities must be disposed of at an IEPA permitted CCDD or otherwise acceptable facility. The Contractor is responsible for providing documentation to the Village for each load hauled off- site showing the quantity of material and the location the material was disposed of.

Disposal of clean material not in compliance with these requirements will constitute a breach of contract. If the Contractor fails to provide adequate documentation supporting the legal disposal of clean material according to this special provision, the Contractor shall be fined $1,000 per load of material and will assume all liability associated with material disposed if not in compliance with this special provision.

No extra compensation will be allowed to the Contractor for any expenses incurred complying with these requirements including but not limited to: delays, inconvenience, or interruptions in the work resulting from compliance with these requirements. All costs associated with material testing and disposal shall be included into the appropriate unit bid prices for the work.

16. **INSURANCE REQUIREMENTS**

12.04.080 - Insurance.

A. Required Coverages and Limits. Unless otherwise provided by franchise, license, or similar agreement, each Contractor occupying right-of-way or constructing any facility in the right-of-way shall secure and maintain the following liability insurance policies insuring the Contractor as named insured and naming the Village, and its elected and appointed officers, officials, agents, and employees and BLA, Inc. and employees as additional insureds on the policies listed in subsection (A)(1) and (A)(2) of this section:

   1. Commercial general liability insurance, including premises-operations, explosion, collapse, and underground hazard (commonly referred to as "X," "C," and "U" coverages) and products-completed operations coverage with limits not less than:

   a. Five million dollars for bodily injury or death to each person,

   b. Five million dollars for property damage resulting from any one accident, and

   c. Five million dollars for all other types of liability;

   2. Automobile liability for owned, non-owned and hired vehicles with a combined single limit of one million dollars for personal injury and property damage for each accident;

   3. Worker's compensation with statutory limits; and

   4. Employer's liability insurance with limits of not less than one million dollars per employee and per accident.

   If the Contractor is not providing such insurance to protect the contractors and subcontractors performing the work, then such contractors and subcontractors shall comply with this section.

B. Excess or Umbrella Policies. The coverages required by this section may be in any combination of primary, excess, and umbrella policies. Any excess or umbrella policy must provide excess coverage over underlying insurance on a following- form basis such that when any loss covered by the primary policy exceeds the limits under the primary policy, the excess or umbrella policy becomes effective to cover such loss.

C. Copies Required. The Contractor shall provide copies of any of the policies required by this section to the Village within ten calendar days following receipt of a written request therefor from the Village.

D. Maintenance and Renewal of Required Coverages. The insurance policies required by this section shall contain the following endorsement:

"It is hereby understood and agreed that this policy may not be canceled nor the intention not to renew be stated until thirty (30) calendar days after receipt by the Village, by registered mail or certified mail, return receipt requested, of a written notice addressed to the Village Manager of such intent to cancel or not to renew."

Within ten (10) calendar days after receipt by the Village of said notice, and in no event later than ten (10) calendar days prior to said cancellation, the Contractor shall obtain and furnish to the Village evidence of replacement insurance policies meeting the requirements of this section.

E. Self-Insurance. A Contractor may self-insure all or a portion of the insurance coverage and limit requirements required by subsection A of this section. A Contractor that self-insures is not required, to the extent of such self-insurance, to comply with the requirement for the naming of additional insureds under subsection A of this section, or the requirements of subsections B through D of this section. A Contractor that elects to self-insure shall provide to the Village evidence sufficient to demonstrate its financial ability to self-insure the insurance coverage and limit requirements required under subsection A of this section, such as evidence that the Contractor is a "private self-insurer" under the Workers Compensation Act.

F. Effect of Insurance and Self-Insurance on Contractor's Liability. The legal liability of the Contractor to the Village and any person for any of the matters that are the subject of the insurance policies or self-insurance required by this section shall not be limited by such insurance policies or self-insurance or by the recovery of any amounts thereunder.

G. Insurance Companies. All insurance provided pursuant to this section shall be effected under valid and enforceable policies, issued by insurers legally able to conduct business with the licensee in the State of Illinois. All insurance carriers and surplus line carriers shall be rated "A-" or better and of a class size "X" or higher by A.M. Best Company.

17. **RED LINE AS-BUILTS**

This work shall consist of supplying red line as-builts of the installed utility improvements including but not limited to rim and inverts. The as-builts shall have red marks and installed elevations wherever on the engineering drawings a proposed grade, structure, invert or any other proposed item is shown. All elevations shall be recorded on the NAVD 88 datum, consistent with the plans. As-builts with insufficient recorded information will be rejected. In particular the contractor shall note where all elevation adjustments and alignment adjustments have been installed.

As-builts must be turned in with the Contractors notice of completion. Failure to submit as-builts with the notice of completion will begin to trigger liquidated damages after the project completion date or when working days have been exhausted.

This work shall not be paid for separately but shall be considered included in the cost of the Contract.

18. DEFLECTION OF PIPE

No deflection of pipe will be allowed unless specified on the plans or approved in writing by the Engineer.

19. CERTIFIED PAYROLL

The Village of Buffalo Grove requests the prime contractor send all certified payroll, including sub consultants, and EEO reporting be sent electronically in separate files for each respective Contractor / subcontractor with the weeks ending date in the file name to kjohnson@vbg.org (i.e. Contractor Name_Week Ending.pdf) as shown in the sample letter in Appendix A. The Contractor is responsible for providing all records to Village per IDOL's requirements pertaining to the Prevailing Wage Act on the standard IDOL form. Only the last four (4) digits of the employee's social security number will be required; the remaining digits shall be "X" or redacted. To complete the certified payroll request for release of payment the Contractor must supply a signed and notarized written statement that all necessary documentation has been turned over for the pay period pertaining to that payment requested.

Under P.A. 98-0328, the public body must retain copies of the certified payroll for 5 years rather than 3 years as was the case previously. The Illinois Department of Labor (IDOL) has created model certified payroll forms which can be found at the IDOL website www.illinois.gov/idol. the new form consists of three pages identified as the "certified transcript of payroll affidavit" and "certified transcript of payroll instructions". The new forms on the idol website can be filled in online and then printed out. under P.A. 98-0482, contractors and subcontractors will have to provide additional information with respect to working hours, wage rates, overtime rates and fringe benefits. The IDOL's model certified payroll forms are the most current forms for compliance with P.A. 98-0482 and should be used in public works contracts.

20. MONETARY PENALTIES

All work shall be completed by the Contractor in accordance with the Contract in a reasonable and timely manner. For each occurrence that work is not completed in a reasonable and timely manner a monetary penalty will be deducted from the final pay application. The Contractor shall make themselves aware of the following penalties:

Description	Penalt	Per Occurrence
Failure to sweep roadway	$250	Calendar Day
Failure to maintain trench	$250	Calendar Day
Distributing unapproved notices to resident	$100	Household
Failure to distribute notices in a timely manner to resident	$100	Household
Failure to distribute notice to resident	$100	Household
Failure to provide access in a timely manner to resident.	$250	Household Per Day
Failure to provide weekly updates to Engineer	$1,000	Per Occurrence

Failure to attend a scheduled weekly meeting	$1,000	Per Occurrence
Failure to respond in a timely manner to resident	$250	Calendar Day
Failure to ramp roadway or driveway	$250	Household/Roadway Per Day
Use of fire hydrant and/or valve	$1,000	Each
Failure to provide Maintenance of Roadway in a timely manner as determined by the Engineer	$1,000	Calendar Day
Entering private property	$500	Per Occurrence
Failure to provide portable facilities	$100	Calendar Day
Illicit discharge of silt or construction debris	$1,000	Per Occurrence
Failure to submit shop drawings on time	$500	Per Occurrence
Failure to maintain erosion and/or sediment control devices	$1,000	Per Occurrence
Working outside allowable time period	$1,000	Per Occurrence

At the sole discretion of the Engineer and without notice the Contractor shall have deducted the penalty amount as listed above for each occurrence on the final pay application.

21. **REFUSE PICK UP SCHEDULE**

There will be no placement of Hot-Mix Asphalt allowed on scheduled days of refuse pick up. The Contractor is responsible for determining the current refuse pickup schedule and incorporating it into their schedule for paving.

22. **WEEKLY PROGRESS MEETING (AND/OR UPDATES)**

The Contractor will be required to provide weekly schedule updates with the plan of work for the following week by 3PM every Thursday starting ten (10) calendar days after contract execution and continuing until the project is formally accepted by the Village. The Contractor will need to provide a weekly schedule update with the plan of work the Thursday prior to the Contractor starting work the following week. If the Contractor fails to submit this initial notice no work will be permitted to begin. Update to be emailed to Resident Engineer and Village project representative. Contractors must make every effort to maintain schedule within one (1) calendar day of delay, not accounting for weather delays. Failure to maintain schedule may result in a fine of $1,000/day delayed if substantial effort to maintain schedule is not made.

If deemed necessary by the Village and/or Engineer a mandatory weekly progress meeting may be scheduled to coordinate upcoming work. This meeting will be held on Thursday after receipt of the weekly update. If the Contractor fails to attend a weekly meeting requested by the Village and/or Engineer a separate failure to provide weekly updates fine of $1,000 will be assessed to the Contractor.

23. PUBLIC NOTIFICATION

The Contractor is required to provide and distribute letters to residents anytime access will be affected to a home or utility service is interrupted. Letters will be typed on standard 8.5" x 11" paper; an envelope may or may not be used. All letters, including those written and distributed by a subcontractor, shall be printed on the General Contractor's letterhead and shall include the name, address and telephone number of the General Contractor.

Delivery of letters from multiple entities will not be allowed. Letters will be taped to a non-painted surface using painters tape and will be placed in as many locations as needed to ensure they will be visible to residents when entering residence. Use of the mailbox must be compliant with federal regulations. Letter should include but not be limited to:

- Exact day and time work is to begin that will affect access (weather pending)
- How the resident will know they may resume normal access to their property
- The anticipated length of the closure (no more than one week will be permitted)
- Where they can park on the street in the meantime, both overnight and during the day (as signed and normally permitted during daytime)
- Police are aware of the overnight parking and will not ticket for overnight parking
- Contractor will knock on resident's door one last time before work is to begin to ensure all accommodations are made
- Contractors name and contact information for additional questions.
- Resident flushing procedures (following reconnection of the water service, resident to flush inside of the house via the bath or utility sink for ten minutes prior to consumption)

The contractor must comply with these statements or a deduction of $100 per household, per calendar day will be applied.

Letters are to be distributed a minimum of 24 hours prior to access being affected or work cannot begin at that time. Letters must be approved by the Village prior to distribution. Additional letters will be required when weather or other circumstances change work timeframe and additional letters are required to follow these guidelines. Contractor is required to return correspondence from residents within 24 hours.

As an occasional choice by the Village, and under special circumstances, the Village may write the letter that needs to be delivered. In the event the Village provides the letter to the Contractor, the Contractor will still be responsible for delivering letters as specified by the Village. An example of a resident notification letter can be found in Appendix A.

24. MAINTENANCE LETTER OF CREDIT

The Contractor will be required to post a Letter of Credit for a period of One Year (1-yr) from date of final acceptance by the Village. Final acceptance will be the date the Final Payment is made to the Contractor. The Letter of Credit shall be in a form acceptable to the Village in the amount of 10% (ten percent) of the awarded contract value. Unless under emergency situations the Village will offer the Contractor the ability to fix or repair any item prior to drawing from the Letter of Credit. If the Contractor elects to perform the repairs themselves all work must be complete within 14 calendar days of notice from the Village or the Village reserves the right to perform the repairs themselves.

The Letter of Credit shall cover all necessary repairs or replacements as deemed necessary by the Village due to poor workmanship, failed materials, any settlement, excessively spalled, chert popped or cracked concrete, storm, sanitary and water main failures, restoration establishment, and other items as completed by the Contractor under the Contract.

All required pavement repairs shall be from curb line to the nearest cold joint. Pavement repairs shall have all joints routed and filled with crack seal material including along the edge of pavement 30 calendar days after installation.

If the Contractor elects to not perform the repairs or does not perform them in the time allotted the Village will perform the work and collect from the Letter of Credit any damages incurred by the Village to perform the repairs.

25. SAW CUTTING

The Contractor shall be required to saw cut all items prior to their removal to prevent damage to existing hardscape to remain. All saw cuts shall be full depth of the pavement depth; simple scoring will not be allowed. Saw cut locations may or may not be shown on the plans/specifications but shall still be required in the field.

Any damage caused to existing hardscape improvements due to not performing full depth saw cuts shall be removed and replaced to the satisfaction of the Engineer at no additional cost to the Village.

26. WATER AND SEWER SERVICES

The Village of Buffalo Grove will not locate private water and sewer service lines as part of JULIE. The property owner is the owner of these services from the building to the main and are exempt from the JULIE system.

The Contractor is fully responsible for protecting all utilities near or in their excavation area and shall make themselves fully aware of the exact location of each utility; marked or not marked. At their own expense, the Contractor may elect to locate any and all utilities marked or unmarked to verify their location. Repeated damage to service lines will need to be repaired from the main to the right-of-way as directed by the Engineer. The Contractor will be responsible for repairs to all damaged utilities incurred as determined by the Village and/or Engineer.

All repairs to damaged water and sewer service lines shall be done with material equal to or matching the existing service size. Connections of dissimilar materials shall be made with stainless steel non-shear mission couplings or appropriate flare couplings for water services.

The Contractor shall refer to the Village of Buffalo Grove Materials List in Appendix A for all material requirements. This work will not be paid for separately.

27. EARTH EXCAVATION

All earth excavation on this project shall be in accordance with section 202 of the standard specifications except that it will not be paid for separately. All earth excavation required shall be included in the cost of the item requiring the excavation.

28. RETAINAGE AND WAIVERS

The Village of Buffalo Grove has the option to retain from the amount due to the contractor a maximum of 10% from each pay request. The Contractor may request the retainage be reduced and provide reasoning for such reduction in writing to the Village. The Village has the option to accept or deny the request, such decision by the Village shall be final. The retainage may be held until the Village determines the project to be final and accepted, at which time any warranty or maintenance period will begin.

Along with each pay request the Contractor shall submit waivers from all subcontractors and material suppliers for the work payment is requested from the Village. Trailing waivers will not be permitted. The Village will not remit payment to the Contractor until all waivers for the work the Contractor is requesting payment for are received and reviewed. To help expedite the process the Village is willing to review draft waivers after the invoice has been submitted for the pay request. Once the draft waivers are reviewed and found acceptable, and the check is cut according to the Village's Warrant schedule, then the check and final waivers can be exchanged.

29. WATER SERVICE RECONNECTIONS

The Contractor will be required to notify homeowners and business owners 48 hours prior to affecting their service line. Upon reconnection of water services to the new water main the Contractor shall hang a door tag with instructions for the homeowner to be provided by the Village. The information on this door tag will not relieve the Contractor from normal duties expected when installing and reconnecting water service lines to prevent damage to internal plumbing systems of a residence or business.

All fittings for copper service lines shall be of the "flare" type regardless of temporary or permanent use.

Any damage to existing water service lines during construction shall be repaired with the existing main under pressure. The contractor shall have a crimping tool and e-z out or freeze kit onsite to make repairs as needed. Repair of service lines in this manner shall only be performed on lines that will be abandoned as part of this project. This work shall be considered included in the cost of construction.

All water services shall be connected back to the existing service line as approved by the engineer. The contractor is responsible for locating the service line at the point of connection on the house side of the b-box.

30. FORCE MAIN COORDINATION AND MAINTENANCE

The Contractor is required to maintain the existing force main in operable condition during construction. Bypass pumping is not necessary as the flow can be diverted utilizing the Cambridge switch. The Contractor must coordinate with the Village. Any repairs to the existing force main required during construction shall be performed by the contractor at no additional cost to the Village.

The existing force main has a design average flow of 156 gallons per minute and a design maximum flow of 575 gallons per minute. The estimated daily flow is 236,000 gallons per day.

The Village of Buffalo Grove Public Works Department will continue to operate the lift station during construction. The contractor will be required to coordinate with Village staff for all shut downs that are required 48 hours in advance, except in the event of an emergency. Shutdowns will only be permitted for making final connections to the existing and for emergency situations. Typical shutdowns will need to be scheduled from 7AM-6PM Monday through Friday. If crews are not available at the requested time the Village will suggest a time to reschedule.

If a bypass main is installed it must be approved by the Village prior to installation and installed in accordance with the Illinois Sewer and Water Main construction manual.

The plans show the general routing of the new force main. Any changes to the routing must be approved by the Village prior to construction.

For the duration of the Project the Contractor will have maintenance responsibility of the existing force main within the project limits established by the force main replacement limits identified on the plans. The Contractor will be responsible for any and all repairs to the existing until the Contractor has submitted the notice of final completion to the Village. The Contractor will be responsible for supplying an emergency contact phone number in the event of a force main failure for the Village to contact. If the Village does not receive a response within 1 hour of contacting the supplied phone number from the Contractor the Village will mobilize its' own crews to make the necessary repairs. The Contractor will be charged a fee of $10,000 plus the costs borne by the Village to make the repair.

31. SEWER SERVICES

The Village of Buffalo Grove will not locate private sewer service lines as part of JULIE. The property owner is the owner of these services from the building to the main and are exempt from the JULIE system.

The Contractor is fully responsible for protecting all utilities near or in their excavation area and shall make themselves fully aware the exact location of each utility; marked or not marked. At their own expense, the Contractor may elect to locate any and all utilities marked or unmarked to verify their location. The Contractor will be responsible for repairs to all damaged utilities incurred as determined by the Village and/or Engineer.

All repairs to damaged sewer service lines shall be done with material equal to or matching the existing sewer service size. Connections of dissimilar materials shall be made with stainless steel non-shear mission couplings.

The Contractor shall refer to the Village of Buffalo Grove Materials List for all material requirements.

This work will not be paid for separately.

32. SITE WALK THROUGH

After the Contractor has submitted the notice of final completion to the Village the Contractor will be responsible for setting up a site walkthrough with the Engineer. During the walkthrough the Contractor shall key all hydrant auxiliary valves, mainline valves and curb stops in the presence of

the Engineer. The Contractor shall not operate any appurtenance as the system will be live with the Village system at this time. In addition to water main items the Contractor will also be required to open all new and existing structures within the project limits in the presence of the Engineer.

Upon completion of the walkthrough the Engineer will list any deficiencies documented during the walkthrough on the punch list for repair by the Contractor. The Engineer will not agree to a time for the walkthrough until the Contractor has submitted the as-builts for the project to the Engineer as required by these specifications.

33. **COOK COUNTY PERMIT**

The Contractor shall be responsible for securing the construction permit and any other requirements Cook County has prior to commencing any work on Buffalo Grove Road. No work may be performed within the County Right-of-Way until a signed permit has been issued. The referenced permit ID Number is: 19-07-9154-C

SPECIAL PROVISIONS

1. GENERAL RESTORATION (SPECIAL)

This item shall include all labor, material, and equipment necessary to complete general landscape restoration in accordance with Sections 211, 250, 251 and 252 of the Standard Specifications and as specified herein.

General Landscape Restoration shall include preparation of the seed bed, final grading, furnishing and placing of; pulverized topsoil at variable depths, Class 1A seed, nitrogen and potassium fertilizers (phosphorus is not allowed), mulch method 3A and all initial watering(s) as noted in the General Conditions – Period of Establishment. Additional watering(s) that may be necessary, beyond the initial watering(s), will be paid for separately in accordance with the contract pay item SUPPLEMENTAL WATERING. All work as listed shall be included with this pay item.

This work shall be completed April 1 to June 15 and August 1 to November 1 in accordance with Article 250.07 of the Standard Specifications.

This work will be measured and paid for at the contract unit price per square yard (SY) for GENERAL LANDSCAPE RESTORATION (SPECIAL).

2. TEMPORARY LANDSCAPE RESTORATION (SPECIAL)

This item shall include all labor, material, and equipment necessary to complete temporary landscape restoration in accordance with Sections 211, 250, 251 and 252 of the Standard Specifications and as specified herein.

Any restoration work completed outside of the planting times defined by Article 250.07 of the Standard Specifications will be considered temporary and will be paid for separately in accordance with the contract pay items TEMPORARY EROSION CONTROL SEEDING, (TEMPORARY) MULCH METHOD 3, and MOWING. All work as listed shall be included with these pay items.

The contractor will be required to mow the grass at the discretion of the engineer as part of the temporary landscape work. It is likely that the contractor will be required to mow every two weeks. The contractor will have 48 hours after notice has been given by the engineer to complete the mowing in the locations specified. Failure to do so will result in a $1,000 fine per day until the mowing has been completed. This item will be paid for at the contract unit price for each (EA) and all areas will have to be mowed as directed by the engineer at that time.

This work will be measured and paid for at the contract unit prices per square yard (SY) for TEMPORARY EROSION CONTROL SEEDING, per square yard (SY) for (TEMPORARY) MULCH METHOD 3, and per each (EA) for MOWING and shall include all labor, equipment, and materials required to complete the work as specified herein.

3. **REMOVE AND STACK BRICK PAVER DRIVEWAY PAVEMENT (SPECIAL)**

This item shall include all labor, material and equipment necessary for the removal and temporary storage of existing brick driveway pavement.

The existing brick pavers shall be removed and neatly stacked, no higher than 36", and protected near the driveway apron on palettes in the parkway for future use.

This work will be measured and paid for at the contract unit price per square foot (SF) for REMOVE AND STACK BRICK PAVER DRIVEWAY PAVEMENT (SPECIAL).

4. **TRENCH BACKFILL – COURSE AGGREGATE, CA11 (SPECIAL)**

This item shall include all labor, material, and equipment necessary to furnish and place course aggregate material in accordance with Section 208 and 1004 of the Standard Specifications and as specified herein.

The course aggregate for backfill for all water main and water service trenches in the proposed pavement sections shall be CA-11. This item shall meet the requirements of Class B CA-11, as specified in Section 1004 of the Standard Specifications. All stone shall be crushed; rounded aggregate will not be permitted. The stone shall be compacted to 95% modified proctor density as required by ASTM D1557 or AASHTO T-180.

The material for the final course of aggregate (14" from the finish pavement elevation) shall be Aggregate Base Course, Type B. This final course of material will be measured and paid for as AGGREGATE BASE COURSE, TYPE B (SPECIAL) as described for this contract pay item and may be repurposed for all other work requiring this type of material except it will be paid for only once. No additional payment will be considered for relocating or removing this material after initial placement.

This work will be measured and paid for at the contract unit price per cubic yard (CY) for TRENCH BACKFILL – COURSE AGGREGATE, CA11 (SPECIAL).

5. **TRENCH BACKFILL – FA-1 (SPECIAL)**

This item shall include all labor, material, and equipment necessary to furnish and place fine aggregate material in accordance with Section 208 and 1003 of the Standard Specifications and as specified herein.

The aggregate for backfill in the parkways, from the back of curb to twelve inches (12") into the parkway, as shown on the plan detail shall be trench backfill (FA-1). This material shall meet the requirements of Class B FA-1, as specified in Section 1003 of the Standard Specifications.

This work will be measured and paid for at the contract unit price per cubic yard (CY) for TRENCH BACKFILL, FA-1 (SPECIAL).

6. **AGGREGATE BASE COURSE, TYPE B (SPECIAL)**

This item shall include all labor, material, and equipment necessary to furnish and place aggregate base course in accordance with Section 351 of the Standard Specifications and as specified herein.

This work effort includes all aggregate for, base repair, backfill for new concrete curb & gutter in the pavement section, capping of trenches and all base courses including for new driveway pavements and new concrete sidewalk, at the depths and gradations as shown on the plans.

Removal of all roadway capping stone for preparation of the hot-mix asphalt pavement shall be included in the cost of AGGREGATE BASE COURSE, TYPE B (SPECIAL)

This work will be measured and paid for at the contract unit price per ton (TN) for AGGREGATE BASE COURSE, TYPE B (SPECIAL).

7. **HOT-MIX ASPHALT LEVEL BINDER COURSE, HOT-MIX ASPHALT BINDER COURSE AND HOT MIX ASPHALT SURFACE COURSE (SPECIAL)**

This mix type is commonly known as "MURPHY MIX".

The Hot Mix Asphalt mix design, production, and construction (materials, machinery, and methods) shall conform to the specific requirements of the standard specifications for Road and Bridge Construction adopted by the Illinois Department of Transportation and Special Provisions for Hot Mix Asphalt mixtures and as modified hereinafter.

Hot-Mix Asphalt Mixtures: The Contractor shall submit mix designs, for approval, for each required mixture, at least one week in advance.

Surface: N-50 Hot Mix Asphalt 9.5-mm Surface Course Mix "C or D" and Level Binder. The AJMF during production shall have a minimum of 40% passing on the #8 sieve and still meet IDOT volumetric requirements.

Binder: N-50 Hot-Mix Asphalt 19.0-mm Binder Course Mix 'B'. The AJMF during production shall have a minimum of 40% passing on the #4 sieve and still meet IDOT volumetric requirements.

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

Item	AC Type Overlay	AC Type Full Depth	Air Voids
Hot-Mix Asphalt Surface Course, Mix "C/D", N50	PG 58-22 / 58-28*	PG 58-28 / 46-34*	3.5% @ 50 GYR
Leveling Binder (Machine Method), N50	PG 58-22 / 58-28*	PG 58-28 / 46-34*	3.5% @ 50 GYR
Hot-Mix / Asphalt Binder Course, IL-19, N50	PG 58-22 / 58-28*	PG 58-28 / 46-34* PG 58-28 when below 4" in depth	3.5% @ 50 GYR

1. All production shall trend about 3.5% Air Voids.
2. Re-proportioning (within SSRBC adjustments allowed) of IDOT verified mix designs may be allowed and the Contractor must submit these values for a review by the Engineer at least one week prior to the first day of production.
3. One field TSR test by the Contractor will be required to validate changes
4. The AJMF submitted and during production shall meet remaining IDOT volumetric requirements
5. When Asphalt Binder Replacement (ABR) exceeds 15%, the new asphalt binder in the mix shall be changed as noted above. No more than 30% ABR and no more than 2.0% Reclaimed Asphalt Shingles (RAS) shall be allowed in the asphalt.

Hot Mix Asphalt Construction

1. Tack coat all longitudinal joints (hot and cold) and curb faces.
2. Pneumatic tired roller is required on all lifts, all mixes, except surface courses.
3. Auger extensions are required on all lifts, all mixes.

4. Reverse augers must be installed properly
5. Roll (compact) the confined and curb line longitudinal joint by overlapping by 6" from the hot to cold side of mat and / or curbing
6. Paving of the full roadway width shall be completed at the end of each day. Longitudinal joints shall be closed daily and within one truck load of HMA to prevent cold joints. Any violation shall require saw cutting edge back 3" to expose straight edge, shall be tack coated twice, and will be straight and uniform.
7. The Village may consider allowing a full road closure with detours at the Contractors request in order to allow for full width surface paving to facilitate this requirement on 24' wide roads. However, detour and/or additional traffic control devises will be at Contractors expense.
8. Asphalt along the curb line shall be compacted such that the asphalt is ¼" above the flag of gutter.
9. Temporary ramps, regardless of material, shall be removed prior to placement of the next pavement course
10. Any compromises of 16' ski or ¼" gutter flag exposure shall be brought to the engineers attention and discussed. Failure to do so may result in repairs at the contractors expense.

This work will be measured and paid for at the contract unit price per ton (TN) for HOT-MIX ASPHALT LEVEL BINDER COURSE, HOT-MIX ASPHALT BINDER COURSE (SPECIAL) and HOT-MIX ASPHALT SURFACE COURSE (SPECIAL).

8. **CLASS D PATCHES, OF THE TYPE SPECIFIED, 4.5 INCH (SPECIAL)**

This mix type is commonly known as "MURPHY MIX".

The Hot Mix Asphalt mix design, production, and construction (materials, machinery, and methods) shall conform to the specific requirements of the standard specifications for Road and Bridge Construction adopted by the Illinois Department of Transportation and Special Provisions for Hot Mix Asphalt mixtures and as modified hereinafter.

Hot-Mix Asphalt Mixtures: The Contractor shall submit mix designs, for approval, for each required mixture, at least one week in advance.

Surface: N-50 Hot Mix Asphalt 9.5-mm Surface Course Mix "C or D" and Level Binder. The AJMF during production shall have a minimum of 40% passing on the #8 sieve and still meet IDOT volumetric requirements.

Binder: N-50 Hot-Mix Asphalt 19.0-mm Binder Course Mix 'B'. The AJMF during production shall have a minimum of 40% passing on the #4 sieve and still meet IDOT volumetric requirements.

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

Item	AC Type Overlay	AC Type Full Depth	Air Voids
Hot-Mix Asphalt Surface Course, Mix "C/D", N50	PG 58-22 / 58-28*	PG 58-28 / 46-34*	3.5% @ 50 GYR
Leveling Binder (Machine Method), N50	PG 58-22 / 58-28*	PG 58-28 / 46-34*	3.5% @ 50 GYR
Hot-Mix / Asphalt Binder Course, IL-19, N50	PG 58-22 / 58-28*	PG 58-28 / 46-34* PG 58-28 when below 4" in depth	3.5% @ 50 GYR

1. All production shall trend about 3.5% Air Voids.
2. Re-proportioning (within SSRBC adjustments allowed) of IDOT verified mix designs may be allowed
   and the Contractor must submit these values for a review by the Engineer at least one week prior to the first day of production.
3. One field TSR test by the Contractor will be required to validate changes
4. The AJMF submitted and during production shall meet remaining IDOT volumetric requirements
5. When Asphalt Binder Replacement (ABR) exceeds 15%, the new asphalt binder in the mix shall be changed as noted above. No more than 30% ABR and no more than 2.0% Reclaimed Asphalt Shingles (RAS) shall be allowed in the asphalt.

Hot Mix Asphalt Construction

1. Tack coat all longitudinal joints (hot and cold) and curb faces.
2. Pneumatic tired roller is required on all lifts, all mixes, except surface courses.
3. Auger extensions are required on all lifts, all mixes.
4. Reverse augers must be installed properly
5. Roll (compact) the confined and curb line longitudinal joint by overlapping by 6" from the hot to cold
   side of mat and / or curbing.
6. Paving of the full roadway width shall be completed at the end of each day. Longitudinal joints shall
   be closed daily and within one truck load of HMA to prevent cold joints. Any violation shall require saw cutting edge back 3" to expose straight edge, shall be tack coated twice, and will be straight and uniform.
   a. The Village may consider allowing a full road closure with detours at the Contractors request
   in order to allow for full width surface paving to facilitate this requirement on 24' wide roads. However, detour and/or additional traffic control devises will be at Contractors expense.
7. Asphalt along the curb line shall be compacted such that the asphalt is ¼" above the flag of gutter.
8. Temporary ramps, regardless of material, shall be removed prior to placement of the next pavement course

This work will be measured and paid for at the contract unit price per square yard (SY) for CLASS D PATCHES, of the type specified, 4.5 INCH (SPECIAL).

9. **COMBINATION CONCRETE CURB & GUTTER, VARIES (SPECIAL)**

This item shall include all labor, material, and equipment necessary to furnish and place combination concrete curb and gutter in accordance with Section 606 of the Standard Specifications and as specified herein.

This work shall include placement of (2) #4 continuous reinforcing bars as shown on the detail sheet along the full length of the new curb and shall have polyurethane coated fiber in the mix. The fiber shall be mixed in the concrete at a rate of 1.5 lbs. per cubic yard of concrete at the ready-mix plant, not at the job site. All work as listed shall be included with this pay item. New curb shall match the existing curb.

This work will be measured and paid for at the contract unit price per foot (FT) for COMBINATION CONCRETE CURB & GUTTER, VARIES (SPECIAL).

10. **DETECTABLE WARNINGS (FURNISHED BY OTHERS)**

This work shall include all labor and equipment necessary to place detectable warning plates in accordance with Section 424 of the Standard Specifications and as specified herein.

Some detectable warning plates are to be supplied by the Village. The contractor shall coordinate the retrieval of materials with the Department of Public Works (51 Raupp Blvd.) a minimum of 48-hours ahead of time. The Village will provide 24”x24” detectable warning plates.

Cutting of the detectable warning plates will only be allowed on the ends of the detectable panels in accordance with the manufacturer’s specifications and recommendation. Radius Plates shall be used as deemed necessary by the Engineer. Both types, Quick Connect Plates and Bolted Plates are acceptable. Cutting of two tiles to develop a radius will not be allowed.

This work will be measured and paid for at the contract unit price per square foot (SF) for DETECTABLE WARNINGS (FURNISHED BY OTHERS).

11. **DETECTABLE WARNINGS (SPECIAL)**

This item shall include all labor, material, and equipment necessary to furnish and place detectable warning plates in accordance with Section 424 of the Standard Specifications and as specified herein. The detectable warning plates required shall be produced and supplied by one of the following:

Neenah Enterprises, Inc.
2121 Brooks Ave.
Neenah, WI 54956
Phone: 920-725-7000

East Jordan Iron
Works 310 Garnet
Dr.
New Lenox, IL
60451 Phone: 815-
740-1640

The color of the detectable warning plates shall be federal #22144. The detectable warning plates that are to be ordered shall be 24”x36” and installed adjacent to the detectable warnings furnished by the Village for proposed five-foot sidewalks.

The Contractor shall order the detectable warning plates within two weeks following the pre-construction meeting. Any delays to the project caused by backordered materials will not constitute extension of the project completion date.

Cutting of the detectable warning plates will only be allowed in accordance with the manufacturer’s specifications and recommendation. Radius Plates shall be used as deemed necessary by the Engineer. Both types, Quick Connect Plates and Bolted Plates are acceptable.

This work will be measured and paid for at the contract unit price per square foot (SF) for DETECTABLE WARNINGS (SPECIAL).

12. **FILL AND ABANDON EXISTING WATER MAIN (SPECIAL)**

This item shall include all labor, material, and equipment necessary to complete filling and abandoning the existing water mains in accordance with Section 593 of the Standard Specifications, plan details and as specified herein.

This work shall consist of filling existing water main to be abandoned with Controlled Low Strength Material (CLSM). The utility shall be plugged on all ends with a plug material meeting approval of the Engineer. The plug shall be adequate to withstand the hydrostatic load created during the filling operation. If the plugs fail during the filling operation, the Contractor shall be responsible for the cost of repairing the plugs and filling the remainder of the pipe. CLSM shall be placed to completely fill all voids and crevices within the abandoned pipe. CLSM shall be placed by low pressure pumping with a maximum length of flow limited only by the safe allowable load that may be applied to the abandoned utility. Additional access holes, where required, or as directed by the Engineer, shall be opened to assure the complete filling of the utility.

The capping and/or plugging required to fill the pipe as described will be included with this pay item.

The Contractor shall submit to the Engineer a mix design for the flowable fill used on the project. The mix design shall generally conform to the following mix as designed by Prairie Material Mix #6115811, or as approved by the Engineer

Cement:	80 Pounds
Fly Ash	910 Pounds
Sand	1850 Pounds
Water	54.7 Gallons
A/E	1-25%
Slump	10+/- 1”

This work will be measured and paid for at the contract unit price per cubic yard (CY) for FILL AND ABANDON EXISTING WATER MAIN (SPECIAL).

13. CUT AND CAP EXISTING WATER MAIN (SPECIAL)

This item shall include all labor, material, and equipment necessary to locate, cut and cap existing water that will remain active in accordance with the plan detail and as specified herein.

This work effort shall include locating the existing water main at locations shown on the plans, removing sections as required, cutting and capping the existing water main with materials allowed in accordance with the Village of Buffalo Grove Materials List in Appendix A. All materials will be paid for at the contract unit prices for the various pay items except the cap and fittings for this work will be included in the contract pay item.

These connections cannot be pressure tested or chlorinated therefore the Contractor must swab all pipe fittings with a 2% hypochlorite solution using a new clean long-string mop, or approved equal. The new section of water main must be filled to working pressure and visually inspected for leaks by the Engineer prior to backfilling.

The open excavations shall be backfilled and paid for with applicable trench backfill contract pay items.

This work will be measured and paid for at the contract unit price per each (EA) for CUT AND CAP EXISTING WATER MAIN (SPECIAL).

14. FIRE HYDRANTS TO BE REMOVED (SPECIAL)

This work shall be as specified herein and as shown on the plan details.

The complete fire hydrant assembly including the auxiliary valve and fire hydrant shall be removed and delivered to the public works yard (51 Raupp Blvd.) in good condition. Good condition is defined as the material is delivered without damage to the joints or fittings and can be repurposed. Material damaged due to the Contractor's negligence shall be replaced at no additional cost to the Village with equal material in good condition.

The Contractor shall coordinate delivery of materials with the Department of Public Works a minimum of 48-hours prior to delivery of the materials noted above.

All remaining open pipe shall then be bulk headed with brick and mortar, MJ Cap, or as directed by Engineer. All materials removed except as noted above shall be properly disposed of by the Contractor.

The open excavations shall be backfilled with native materials. At the Contractors option to prevent settlement trench backfill may be used as outlined in the trench backfill special provision.

This work will be measured and paid for at the contract unit price per each (EA) for FIRE HYDRANTS TO BE REMOVED (SPECIAL).

15. CONNECTION TO EXISTING WATER MAIN (SPECIAL)

This work shall consist of all labor, material, and equipment required to connect the proposed watermain to the existing main at locations indicated on the Plans of the size specified. The work shall include pipe, reducer, fittings, solid sleeve, excavation, concrete blocks beneath the connection point, and legal disposal of all excess material. Trench Backfill will be paid for separately under the TRENCH BACKFILL

– COURSE AGGREGATE, CA11 (SPECIAL) pay item. Connection of ductile iron watermain to existing cast iron watermain will require the use of a Tyler Long Pattern Duo Solid Sleeve. The use of 441 Transition Couplings will not be allowed.

After pressure testing, chlorination, and all service transfers have been completed, the existing main shall be shut down and the connections shall then be completed. Because these connections cannot be pressure tested or chlorinated, the Contractor must swab all pipe fittings with a 2% hypochlorite solution using a new clean long-string mop, and the new section of watermain must be pressurized prior to backfilling.

This pay item is intended for use for ALL connections to existing. All connections shall be MJ. A tee fitting being cut into an existing main for a hydrant lead will have two connections to existing water main. Cutting in tees for directionally drilled pipe is included in the cost of the directionally drilled pipe and will not be paid for separately. This pay item also includes the removal of the existing main as necessary to install the proposed improvements as shown on the plans. All ductile iron pipe will be paid for separately to the connection point at the existing main.

This work will be measured and paid for at the contract unit price per each (EA) for CONNECTION TO EXISTING WATER MAIN (SPECIAL).

16. **WATER MAIN, DIP CLASS 52, OF THE SIZE SPECIFIED (SPECIAL)**

This item shall include all labor, material, and equipment necessary to construct water main in accordance with Section 41 of the Standard Specifications for Water and Sewer Construction in Illinois and as specified herein.

A. Water Main

All water main bolts and nuts for all MJ connections, hydrants, valves, and other appurtenances shall have bolts manufactured with A304 stainless steel and all nuts and washers shall be manufactured with series 300 stainless steel.

All bends, fittings and accessories required for installation of the water main as specified and shown on the plan shall be included in the linear foot price for the water main.

B. Open Cut Installation

The requirements of Section 40-2.01 of the Standard Specifications for Water and Sewer Construction in Illinois are modified as follows: Water Main shall be cement lined ductile iron pipe with “push on” single gasket joints and shall be thickness class 52. The pipe shall conform to ANSI A-21 .51 and ANSI A-21.4, and AWWA C104 with joints meeting ANSI A-21.11. Fittings shall be ductile iron, 250 psi pressure rating, cement lined, with restrained push-on joints and shall meet ANSI A-21.10.

Mega-Lug retainer glands shall be required at all connections of ductile iron water main with bends, tees, crosses, reducers and other fittings.

All joints within the IDOT Right of Way shall be restrained type.

All testing and chlorination shall conform to Sections 41-2.12 and 41-2.13 of the Standard Specifications for Water and Sewer Construction in Illinois AWWA C651-14 and the requirements of the Municipality.

Water mains and water services within 3' of the water main shall be polyethylene encased as described in ANSI/AWWA C105.A21.5 and ANSI/AWWA C600. The polyethylene wrap shall be installed as shown by the Ductile Iron Pipe Research Association publication "Polyethylene Encasement Installation Guide".

C. Pressure and Leakage Testing of Water Mains

Pressure testing of the water mains shall be in accordance with Section 41-2.12 of the Standard Specifications for Water and Sewer Construction in Illinois and as specified herein. Water main shall be subjected to a minimum hydrostatic pressure test of 150 pounds per square inch (psi) for a period of not less than two (2) hours. The maximum allowable leakage will be that stated in section 41-2.14C the Standard Specifications for Water and Sewer Construction in Illinois. In addition, the hydrostatic pressure shall not drop more than five (5) psi during the test.

D. Chlorination of Water Mains

Disinfection of water mains shall be performed according to AWWA C651-14 and section 41-2.15 of the Standard Specifications for Water and Sewer Construction in Illinois. Where conflicts between the above requirements exist the more restrictive requirement shall govern or as approved by the Engineer

Chlorine shall be applied by the use of (1) liquid chlorine only.

All work as listed shall be included with this pay item.

This work will be measured and paid for at the contract unit price per foot (FT) for WATER MAIN, DIP CLASS 52, OF SIZE SPECIFIED (SPECIAL).

17. **WATER MAIN, DIP CLASS 52, INSULATED, OF SIZE SPECIFIED (SPECIAL)**

This item shall include all labor, material, and equipment necessary to furnish and install insulated water main pipe as shown on the plans or directed by the Engineer in the field. The insulated water main shall be installed in accordance with Section 41 of the Standard Specifications for Water and Sewer Construction in Illinois and as specified herein.

In addition to the CA-11 backfill, the Contractor is required to install rigid extruded or expanded polystyrene insulation with a minimum R value of 5 at 40 degrees Fahrenheit per 1" thickness. All insulation shall also have a compressive deformation of 10% at 25psi or higher. The insulation shall be installed on the sides of the trench and the top of the trench. There shall be a minimum 6" space between the water main pipe and the inside wall of the insulation. This space shall be filled with CA-11 stone and shall be paid for by the applicable trench backfill item. The sides of the trench shall be covered with a minimum 2" thick piece of insulation to 12" below the bottom of the water main pipe to 6" above the water main pipe. The top of the trench (6" above the water main) shall be covered with a minimum 4" of insulation. The outer edges of the insulation shall be protected with a 1" thick piece of pressure treated

plywood. The plywood shall cover all portions of the insulation installed. All joints required for installation of the insulation and plywood shall be lapped.

The Contractor is to note that the areas this pay item will be used, it will be required to additionally insulate the pipe until the depth of 5.5' to the top of pipe has been achieved. All additional insulation required shall be according to these specifications and shall be considered incidental to this pay item. The linear footage established is that what is required for the water main pipe as shown on the plans. Additional insulation may be required and will not be measured for payment.

This work will be measured and paid for at the contract unit price per foot (FT) for WATER MAIN, DIP CLASS 52, INSULATED, OF SIZE SPECIFIED (SPECIAL).

18. **WATER SERVICES (SPECIAL)**

This work shall be in accordance with Section 107.39 of the Standard Specifications, plan details and as specified herein.

The Village of Buffalo Grove will not locate private water service lines as part of JULIE. The property owner is the owner of these services from the building to the main and are exempt from the JULIE system.

The Contractor is fully responsible for protecting all utilities near or in their excavation area and shall make themselves fully aware the exact location of each utility; marked or not marked. At their own expense, the Contractor may elect to locate any and all utilities marked or unmarked to verify their location. The Contractor will be responsible for repairs to all damaged utilities incurred as determined by the Village and/or Engineer.

The Contractor shall mark all existing water services within the project limits from the existing water main to the right-of-way. The Contractor shall mark these services as many times as necessary without further compensation.

Letters will be required to residents anytime water services are to be interrupted. Letter will be typed on standard 8.5" x 11" paper; an envelope may or may not be used. All letters will be taped to a non painted surface using painters tape and will be placed in as many locations as needed to ensure they will be visible to residents when entering residence. Letter should include: exact day and time work is to begin that will affect the water service. All letters shall also include the procedure of flushing a water appliance within the household that does not have an aerator attached. Letters are to be distributed a minimum of 24 hours prior to water service being affected.

All repairs to damaged water service lines shall be done under normal operating pressure. The Contractor shall have appropriate crimping and splicing tools on hand to perform these repairs immediately to reduce interruption of water service to residences.

The Contractor shall refer to the Village of Buffalo Grove Materials List for all material requirements.

19. **WATER SERVICE, TYPE K COPPER, OF THE SIZE SPECIFIED (SPECIAL)**

This item shall include all labor, material, and equipment necessary to furnish and place water service pipe in accordance with Section 41 with special attention to Article 41.2.12 of the Standard Specifications for Water and Sewer Construction in Illinois and as specified herein.

The Contractor has the option of installing the service lines with open cut or trenchless methods. Any trench backfill, capping stone, capping stone removal prior to paving, additional saw cuts, additional restoration from drilling equipment or other items as necessary to facilitate the installation of the service lines shall be included in the per foot price for WATER SERVICE, TYPE K COPPER, of the size specified (SPECIAL).

Trench backfill required for excavations to make connections under sidewalks or driveways will be paid for separately.

The Contractor shall refer to the Village of Buffalo Grove Materials List in Appendix A for all material requirements. All work as listed and as shown on the plan and details shall be included with this pay item.

If larger than one inch (1") services are encountered during construction the Contractor shall match the existing service size. This additional work will be paid for with applicable pay items or in accordance with Article 109.04 Payment for Extra Work of the Standard Specifications for Road and Bridge Construction.

This work will be measured and paid for at the contract unit price per foot (FT) for WATER SERVICE, TYPE K COPPER, of the size specified (SPECIAL).

20. **WATER SERVICE, CONNECT TO EXISTING, COMPLETE (SPECIAL)**

This item shall include all labor, material, and equipment necessary to complete the connection of the new water service piping to the existing water service in accordance with Section 41 with special attention to Article 41.2.13 of the Standard Specifications for Water and Sewer Construction in Illinois and as specified herein.

All service boxes will be replaced. The existing water service piping is unknown and may include lead, copper, galvanized iron, or other material types. The Contractor shall provide all the necessary fittings to connect new water service to the existing water service including a new curb stop and service box.

House connections to proposed main shall be made individually and in as short of time as possible after testing and disinfection. No water customer shall be without water in excess of two (2) hours and shall be notified prior to disconnecting service.

The Contractor shall refer to the Village of Buffalo Grove Materials List in Appendix A for all material requirements. All work as listed and as shown on the plan and details shall be included with this pay item.

If larger than one inch (1") services are encountered during construction the Contractor shall match the existing service size. This additional work will be paid for with applicable pay items or in accordance with Article 109.04 Payment for Extra Work of the Standard Specifications for Road and Bridge Construction.

This work will be measured and paid for at the contract unit price per each (EA) for WATER SERVICE, CONNECT TO EXISTING, COMPLETE (SPECIAL)

21. **WATER SERVICE, B-BOX FRAME & LID (SPECIAL)**

This item shall include all labor, material, and equipment necessary to complete the installation of a frame and lid specifically for service boxes that are final placed in the pavement areas and/or sidewalk or anywhere other than the parkway as determined by the Engineer.

The frame and lid required shall be Neenah R-1970; produced and supplied by:

Neenah Enterprises, Inc.
2121 Brooks Ave.
Neenah, WI 54956
Phone: 920-725-7000

All work as listed and as shown on the plan and details shall be included with this pay item.

This work will be measured and paid for at the contract unit price per each (EA) for WATER SERVICE, B-BOX FRAME & LID (SPECIAL).

22. **WATER SERVICE, TAP, OF THE SIZE SPECIFIED, COMPLETE (SPECIAL)**

This item shall include all labor, material, and equipment necessary to complete the connection of the new water service piping to the existing water service in accordance with Section 41 with special attention to Articles 41-2.11 and 41-2.13 of the Standard Specifications for Water and Sewer Construction in Illinois and as specified herein.

When direct tapping the polyethylene encased pipe, the Contractor shall wrap no less than three layers of water proof adhesive tape completely around the pipe to cover the tapping machine and chain mounting area. After making the tap the casement shall be inspected for damage and any repairs shall be made. The corporation stop and three feet (3') of the new water service piping shall be wrapped with additional polyethylene casement.

The Contractor shall refer to the Village of Buffalo Grove Materials List in Appendix A for all material requirements. All work as listed and as shown on the plan and details shall be included with this pay item.

All services greater than one inch (1") shall have a two (2) bolt full circle stainless sleeve tapping sleeve with stainless steel hardware.

If larger than one inch (1") services are encountered during construction the Contractor shall match the existing service size. This additional work will be paid for with applicable pay items or in accordance with Article 109.04 Payment for Extra Work of the Standard Specifications for Road and Bridge Construction.

This work will be measured and paid for at the contract unit price per each (EA) for WATER SERVICE, TAP, OF THE SIZE SPECIFIED, COMPLETE (SPECIAL).

23. TRACER WIRE WITH TRACER BOXES (SPECIAL)

This work consists of providing and installing 3/16" 7X19 PVC coated stainless steel aircraft cable with minimum breaking strength of 3,700 lbs (Lexco Chicago IL). Tracer wire shall be installed and securely fastened to all force main. 3M DBR splice kits shall be used for splicing cable ends. Placing the tracer wire directly in the trench will not be allowed. Tracer wire in directional drill applications shall be securely fastened to the pipe and drilling head during pull back operations. The tracer wire shall be sufficiently bonded per the manufacturers recommendations to the existing force main on the east end of the project. Tracer wire shall be brought to the surface at all manhole locations and properly connected to SnakePit Magnetized Tracer Boxes. Model LD14TP boxes shall be used in non-paved areas and CD14TP boxed used in paved areas.

All tracer wire shall be tested for proper continuity prior to acceptance and payment. All splices shall be per the manufacturer's specifications. At the conclusion of the project the Village will perform a continuity test on the tracer wire. Any sections that fail the test shall be repaired by the Contractor at no additional cost to the Village until the continuity test passes. All required repairs done by the Contractor are incidental to this work.

24. VALVE INSERTION, OF THE SIZE SPECIFIED (SPECIAL)

This item shall include all labor, material, and equipment necessary to furnish and install a valve insertion at the location shown on the plans and as specified herein.

The valve insertion shall be by EZ™ Valve System or approved equal, and installed per the manufactures specifications and recommendations by persons trained in the installation process; produced and supplied by:

Advanced Valve
Technologies, Inc. 800 Busse
Road
Elk Grove Village, IL
60007 Phone: 877-
489-4909

A valve box and stabilizer shall be installed to the existing ground service following the installation of the valve. This work shall be included in the Contract unit price.

This work will be measured and paid for at the contract unit price per each (EA) for VALVE INSERTION, OF THE SIZE SPECIFIED (SPECIAL).

25. FIRE HYDRANT ASSEMBLY, COMPLETE (SPECIAL)

This item shall include all labor, material, and equipment necessary to complete the installation of a new fire hydrant assembly in accordance with Section 45 of the Standard Specifications for Water and Sewer Construction in Illinois and as specified herein.

This work effort includes all materials required to fully complete the fire hydrant assembly installation in accordance with the plan detail including but not limited to, hydrant tee, all hydrant lead piping, "direct

assembly" auxiliary valve, auxiliary valve box and stabilizer, fire hydrant, thrust blocking, joint restraints and backfill, etc., except open excavations shall be backfilled and paid for with applicable trench backfill contract pay items.

The Contractor will be responsible for protecting the installed hydrants during construction. It is recommended but not required the hydrants be covered with a protective bag to ensure no chips, scratches or other damage is done to the hydrants during construction. Any damage to the factory installed paint shall be repaired at the factory. Touch up paint or spray paint will not be an acceptable method of painting for any new hydrants.

If deemed necessary by the Engineer, all barrel extensions shall be made in accordance with the contract pay item FIRE HYDRANT EXTENSION. All work to complete any fire hydrant auxiliary valve box extensions shall be included with the contract pay item FIRE HYDRANT EXTENSION.

The Contractor shall refer to the Village of Buffalo Grove Materials List in Appendix A for all material requirements. The open excavations shall be backfilled and paid for with applicable trench backfill contract pay items.

This work will be measured and paid for at the contract unit price per each (EA) for FIRE HYDRANT ASSEMBLY, COMPLETE (SPECIAL).

26. **PRESSURE CONNECTION, OF THE SIZE SPECIFIED BY THE SIZE SPECIFIED, COMPLETE (SPECIAL)**

This item shall include all labor, material, and equipment necessary to complete a pressure connection in accordance with Section 46 of the Standard Specifications for Water and Sewer Construction in Illinois, the plan detail and as specified herein.

The Contractor shall refer to the Village of Buffalo Grove Materials List in Appendix A for all material requirements.

The open excavations shall be backfilled and paid for with applicable trench backfill contract pay items.

These connections cannot be pressure tested or chlorinated therefore the Contractor must swab all pipe fittings with a 2% hypochlorite solution using a new clean long-string mop, or approved equal. The new section of water main must be filled to working pressure and visually inspected for leaks by the Engineer prior to backfilling.

This work will be measured and paid for at the contract unit price per each (EA) for PRESSURE CONNECTION, OF THE SIZE SPECIFIED BY THE SIZE SPECIFIED, COMPLETE (SPECIAL).

27. **CONNECT NEW STORM SEWER TO EXISTING STORM SEWER STRUCTURE (SPECIAL)**

This item shall include all labor, material, and equipment necessary to complete the connection of new storm sewer pipe into an existing storm sewer structure in accordance with Section 550 and 551 of the Standard Specifications, plan details and as specified herein.

The existing structure wall shall be saw cut and/or cored to a distance not to exceed three inches (3") beyond the outside circumference of the new pipe. The material for all sewer repairs shall match the

existing sewer service size. Connections of dissimilar materials shall be made with stainless steel non-shear mission couplings. If applicable, the existing concrete bench shall be repaired to the satisfaction of the Engineer.

The Contractor shall refer to the Village of Buffalo Grove Materials List in Appendix A for all material requirements. All work as listed shall be included with this pay item.

This work will be measured and paid for at the contract unit price per each (EA) for CONNECT NEW STM SWR TO EX STM SWR STR (SPECIAL).

28. **STORM SEWER CONNECTION (SPECIAL)**

This item shall include all labor, material, and equipment necessary to complete the connection of the proposed storm sewer to the existing storm sewer as shown on the plans.

All connections to existing storm sewer shall be made with appropriately sized non-shear mission couplings. All fittings, accessories and shear rings shall be stainless steel.

This work will be measured and paid for at the contract unit price per each (EA) for STORM SEWER CONNECTION (SPECIAL).

29. **ADJUSTING SANITARY/STORM SERVICES, UP TO 8 INCHES (SPECIAL)**

This item shall include all labor, material, and equipment necessary to adjust sanitary/storm services in accordance with Section 563 of the Standard Specifications and as specified herein.

Work under the pay item 'ADJUSTING SANITARY/STORM SERVICES UP TO 8" shall consist of adjusting and reconnecting sanitary/storm sewer services where required by the replacement of the existing sewer and/or installation of a new sewer, using new service pipes, fittings, and couplings as necessary.

Removal of the existing service line in conflict shall be included in the cost of this item.

Any existing system components, including fittings, which are damaged by the Contractor due to negligence, shall be replaced at the Contractors expense. Material used for replacement shall be equal to that used for reconnection of existing sanitary/storm building services in conformance with this Specification.

Eight-inch diameter or small individual building services, service pipe material shall be PVC or ductile iron pipe as specified. Where service pipes run beneath other major utilities which are likely to place a structural load on the service pipe, ductile iron service pipe shall be used. At other locations, PVC service pipe shall be used. Services shall be connected to PVC or VCP mainline sewers by means of factory-made wye fittings of strengths equal to or greater than the mainline sewer. Tapping saddles may not be used for connection of services to PVC or VCP mainline sewers.

If the Contractor damages any sanitary/storm service line not requiring adjustment, or any other underground structure or utility, the Contractor shall replace or repair it as required by the Engineer and no additional compensation will be allowed. When a sanitary/storm sewer is to be adjusted, the Contractor shall remove it carefully to prevent damage to the existing pipe which will remain.

All trenches made within two feet of proposed pavement, curb and gutter, driveway or sidewalk shall be backfilled with Trench Backfill – Fine Aggregate (Special). The cost of the Trench Backfill shall be included in the cost of the service line replacement.

This work will be measured and paid for at the contract unit price per foot (FOOT) for ADJUSTING SANITARY/STORM SERVICES, UP TO 8 INCHES (SPECIAL). This item may or may not be used depending upon site conditions.

30. **SANITARY/STORM SEWER TO BE REMOVED, UP TO 15 INCHES (SPECIAL)**

This work shall comply with Article 551 of the Standard Specifications, except as modified herein. Both Storm and Sanitary removal will be combined into one pay item. Each size will not be paid for separately. A range of sizes are broken out in the bid documents and shall be measured in the field accordingly. All measurements shall be the internal diameter of the sewer.

This work will be measured and paid for at the contract unit price per foot (FOOT) for, STORM/SANITARY SEWER TO BE REMOVED, UP TO 15 INCHES (SPECIAL).

31. **SANITARY SEWER CONNECTION (SPECIAL)**

This item shall include all labor, material, and equipment necessary to complete the connection of the proposed sanitary sewer to the existing sanitary sewer as shown on the plans.

All connections to existing sanitary sewer shall be made with appropriately sized non-shear mission couplings. All fittings, accessories and shear rings shall be stainless steel.

This work will be measured and paid for at the contract unit price per each (EA) for SANITARY SEWER CONNECTION (SPECIAL).

32. **CONNECT NEW SANITARY SEWER TO EXISTING SANITARY SEWER STRUCTURE (SPECIAL)**

This item shall include all labor, material, and equipment necessary to complete the connection of new sanitary sewer pipe into an existing sanitary sewer structure in accordance with Section 550 and 551 of the Standard Specifications, plan details and as specified herein.

The existing structure wall shall be saw cut and/or cored to a distance not to exceed three inches (3”) beyond the outside circumference of the new pipe. The material for all sewer repairs shall match the existing sewer size. Connections of dissimilar materials shall be made with stainless steel non-shear mission couplings. If applicable, the existing concrete bench shall be repaired to the satisfaction of the Engineer. All connections to the manhole shall have a neoprene boot installed with stainless steel bands meeting the requirements of ASTM C-923

The Contractor shall refer to the Village of Buffalo Grove Materials List in Appendix A for all material requirements.

All work as listed shall be included with this pay item.

This work will be measured and paid for at the contract unit price per each (EA) for CONNECT NEW SAN SWR TO EX SAN SWR STR (SPECIAL).

33. **FORCE MAIN (OPEN CUT) (SPECIAL)**

This work shall include all labor, material and equipment necessary to furnish and install C900 DR 14 force main, of the diameter specified in accordance with the Illinois Sewer and Water Construction in Illinois Manual, applicable sections of AWWA C605, applicable sections of the Standard Specifications and as specified herein.

Open-cut force main shall have four inches of crushed granular bedding (CA-11) extending to 12" above the top of the pipe. The Contractor shall be required to use mechanical joint restraint, **SERIES 2000PV manufactured by EBAA IRON,** at all elbows, tees and any end fittings as shown on the plan detail sheets. End fittings shall also include poured PCC thrust blocking. Force main shall be placed to follow the proposed profile, at a minimum depth of 5.5 feet as measured to the top of the pipe from the proposed ground elevation. All force main shall be installed with a tracer wire.

Testing of the new force main shall be performed in accordance with the applicable section of the latest edition of the 'Standard Specifications for Water and Sewer Main Construction in Illinois'.

34. **FORCE MAIN (DIRECTIONALLY DRILLED) (SPECIAL)**

This work shall include all labor, material and equipment necessary to furnish and install Certa-Lok C900RJ PVC DR 14 force main, of the diameter specified, by utilizing directional drill operations as specified herein.

If at the discretion of the Contractor, CertainTeed® Certa-Lok C900RJ PVC DR 14 conforming to AWWA C900 or approved equal. The restrained pipe joint system shall also meet all short and long term pressure test requirements of AWWA C900. All PVC force mains shall be green and installed with tracer wire.

QUALITY ASSURANCE: The requirements set forth in this document specify a wide range of procedural precautions necessary to ensure that the very basic, essential aspect of a proper directional bore installation are adequately controlled. Strict adherence shall be required under specifically covered conditions outlined in this specification. Adherence to the specifications contained herein, or the Engineer's approval of any aspect of any directional bore operation covered by this specification, shall in no way relieve the Contractor of their ultimate responsibility for the satisfactory completion of the work authorized under the Contract.

SUBMITTALS:

WORK PLAN: Prior to beginning work, the Contractor must submit to the Engineer a work plan detailing the procedure and schedule to be used to execute the project. The work plan should include a description of all equipment to be used, down-hole tools, a list of subcontractors, a schedule of work activity, a safety plan, an environmental protection plan and contingency plans for possible problems. Work plan should be comprehensive, realistic and based on actual working conditions for this particular project. Plan should document the thoughtful planning required to successfully complete the project.

EQUIPMENT: Contractor will submit specifications on directional drilling equipment. Equipment shall include but not be limited to: drilling rig, mud system, mud motors (if applicable), down-hole tools, guidance system, rig safety systems. Calibration records for guidance equipment shall be included. Specifications for any drilling fluid additives that Contractor intends to use or might use will be submitted.

MATERIAL: Specifications on material to be used shall be submitted to Engineer. Material shall include the pipe, fittings and any other item which is to be an installed component of the project.

Equipment Requirements

WORK INCLUDED: The directional drilling equipment shall consist of a directional drilling rig of sufficient capacity to perform the bore and pullback the pipe, a drilling fluid mixing, delivery and recovery system of sufficient capacity to successfully complete the crossing, a drilling fluid recycling system to remove solids from the drilling fluid so that the fluid can be re-used, a guidance system to accurately guide boring operations, a vacuum truck of sufficient capacity to handle the drilling fluid volume, trained and competent personnel to operate the system. All equipment shall be in good, safe operating condition with sufficient supplies, materials and spare parts on hand to maintain the system in good working order for the duration of this project.

DRILLING SYSTEM:

DRILLING RIG: The directional drilling machine shall consist of a hydraulically powered system to rotate, push and pull hollow drill pipe into the ground at a variable angle while delivering a pressurized fluid mixture to a guidable drill (bore) head. The machine shall be anchored to the ground to withstand the pulling, pushing and rotating pressure required to complete the crossing. The hydraulic power system shall be self-contained with sufficient pressure and volume to power drilling operations. Hydraulic system shall be free of leaks. Rig shall have a system to monitor and record maximum pull-back pressure during pull-back operations. The rig shall be grounded during drilling and pull- back operations. There shall be a system to detect electrical current from the drill string and an audible alarm which automatically sounds when an electrical current is detected.

DRILL HEAD: The drill head shall be steerable by changing its rotation and shall provide the necessary cutting surfaces and drilling fluid jets.

MUD MOTORS (if required): Mud motors shall be of adequate power to turn the required drilling tools.

DRILL PIPE: Shall be constructed of high quality 4130 seamless tubing, grade D or better, with threaded box and pins. Tool joints should be hardened to 32-36 RC.

GUIDANCE SYSTEM

MAGNETIC GUIDANCE SYSTEM: A Magnetic Guidance System (MGS) or proven gyroscopic system shall be used to provide a continuous and accurate determination of the location of the drill head during the drilling operation. The guidance shall be capable of tracking at all depths up to one hundred feet and in any soil condition, including hard rock. It shall enable the driller to guide the drill head by providing immediate information on the tool face, azimuth (horizontal direction), and inclination (vertical direction). The guidance system shall be accurate to +/-2%

of the vertical depth of the borehole at sensing position at depths up to one hundred feet and accurate within 1.5 meters horizontally.

The Guidance System shall be of a proven type and shall be operated by personnel trained and experienced with this system. The Operator shall be aware of any magnetic anomalies on the surface of the drill path and shall consider such influences in the operation of the guidance system if using a magnetic system.

DRILLING FLUID (MUD) SYSTEM

MIXING SYSTEM: A self-contained, closed, drilling fluid mixing system shall be of sufficient size to mix and deliver drilling fluid. Mixing system shall continually agitate the drilling fluid during drilling operations.

DRILLING FLUIDS: Drilling fluid shall be composed of clean water and appropriate additives clay. Water shall be from an authorized source with a pH of 8.5-10. Water of a lower pH or with excessive calcium shall be treated with the appropriate amount of sodium carbonate or equal. The water and additives shall be mixed thoroughly and be absent of any clumps or clods. No potentially hazardous material may be used in drilling fluid.

DELIVERY SYSTEM: The delivery system shall have filters in-line to prevent solids from being pumped into the drill pipe. Connections between the pump and drill pipe shall be relatively leak-free. Used drilling fluid spilled during drilling operations shall be contained and conveyed to the drilling fluid recycling system. A berm, minimum of 12” high, shall be maintained around drill rigs, drilling fluid mixing system, entry and exit pits and drilling fluid recycling system to prevent spills into the surrounding environment. Pumps and or vacuum truck(s) of sufficient size shall be in place to convey excess drilling fluid from containment areas to storage and recycling facilities.

DRILLING FLUID RECYCLING SYSTEM: The drilling fluid recycling system shall separate sand, dirt and other solids from the drilling fluid to render the drilling fluid re-usable. Spoils separated from the drilling fluid will be stockpiled for later use or disposal at the Contractor’s expense.

OTHER EQUIPMENT

PIPE RAMMERS: Hydraulic or pneumatic pipe rammers may only be used if necessary and with the authorization of Engineer.

RESTRICTIONS: Other devices or utility placement systems for providing horizontal thrust other than those previously defined in the preceding sections shall not be used unless approved by the Engineer prior to commencement of the work. Consideration for approval will be made on an individual basis for each specified location. The proposed device or system will be evaluated prior to approval or rejection on its potential ability to complete the utility placement satisfactorily without undue stoppage and to maintain line and grade within the tolerances prescribed by the particular conditions of the project.

Operations

GENERAL: The Engineer must be notified 48 hours in advance of starting work. The Directional Bore

shall not begin until the Engineer is present at the job site and agrees that proper preparation for the operation have been made. The engineer approval for beginning the installation shall in no way relieve the Contractor of the ultimate responsibility for the satisfactory completion of the work as authorized under the Contract. It shall be the responsibility of Engineer to provide observation personnel at such times as appropriate without causing undue hardship by reason of delay to the Contractor.

PERSONNEL REQUIREMENTS: All personnel shall be fully trained in their respective duties as part of the directional drilling crew and in safety. Each person must have at least three (3) years directional drilling experience. A responsible representative who is thoroughly familiar with the equipment and type of work to be performed, must be in direct charge and control of the operation at all times. In all cases, the supervisor must be continually present at the job site during the actual Directional Bore operation. The Contractor shall have a sufficient number of competent workers on the job at all times to ensure the Directional Bore is made in a timely and satisfactory manner.

DRILLING PROCEDURE:

SITE PREPARATION: Prior to any alterations to work-site, contractor shall photograph or video tape entire work area, including entry and exit points. One copy of which shall be given to engineer and one copy to remain with contractor for a period of one year following the completion of the project. Work site as indicated on drawings, within right-of-way, shall be graded or filled to provide a level working area. No alterations beyond what is required for operations are to be made. Contractor shall confine all activities to designated work areas.

DRILL PATH SURVEY AND “POTHOLING”: The contractor shall provide for “potholing” or excavation, if required, to locate existing service lines and utilities prior to installing force main through that segment. All such exploratory excavations shall utilize a vacuum truck to minimize disturbance to the surface and the existing utilities. The Contractor shall properly dispose of all material removed shall be disposed of off-site. When paralleling other utilities within five (5) feet, potholing may be required along the utility every twenty-five (25) feet. The entire drill path shall be accurately surveyed with entry and exit stakes placed in the appropriate locations within the areas indicated on drawings. If contractor is using a magnetic guidance system, drill path will be surveyed for any surface magnetic variations or anomalies.

ENVIRONMENTAL PROTECTION: Contractor shall place silt fence between all drilling operations and any drainage, wetland, waterway or other area designated for such protection by contract documents, state, federal and local regulations. Additional environmental protection necessary to contain any hydraulic or drilling fluid spills shall be put in place, including berms, liners, turbidity curtains and other measures. Contractor shall adhere to all applicable environmental regulations. Fuel may not be stored in bulk containers within 200 feet of any water-body or wetland.

SAFETY: Contractor shall adhere to all applicable state, federal and local safety regulations and all operations shall be conducted in a safe manner. Safety meetings shall be conducted at least weekly with a written record of attendance and topic submitted to Engineer.

PIPE: Pipe shall be butt-fused together in one length or installed by the “cartridge” method. Pipe will be placed on pipe rollers before pulling into bore hole with rollers spaced close enough to prevent excessive sagging of pipe.

PILOT HOLE: Pilot hole shall be drilled on bore path with no deviations greater than 5% of depth over a length of 100 feet. In the event that pilot does deviate from bore path more than 5% of depth in 100 feet, contractor will notify Engineer and the Engineer may require contractor to pull-back and re-drill from the location along bore path before the deviation. In the event that a drilling fluid fracture, inadvertent returns or returns loss occurs during pilot hole drilling operations, contractor shall cease drilling, wait at least 30 minutes, inject a quantity of drilling fluid with a viscosity exceeding 120 seconds as measured by a March funnel and then wait another 30 minutes. If mud fracture or returns loss continues, contractor will cease operations and notify Engineer. **Contractor shall provide sufficient silt fence, vacuum trucks or other means required to contain all mud and/or remove it from the site. No additional compensation will be allowed for containment or cleanup of mud fractures.**

REAMING: Upon successful completion of pilot hole, contractor will ream bore hole to a minimum of 25% greater than outside diameter pipe using the appropriate tools. Contractor will not attempt to ream at one time more than the drilling equipment and mud system are designed to safely handle.

PULL-BACK: After successfully reaming bore hole to the required diameter, contractor will pull the pipe through the bore hole. In front of the pipe will be a swivel and reamer to compact bore hole walls. Once pull-back operations have commenced, operations must continue without interruption until pipe is completely pulled into bore hole. During pull- back operations, contractor will not apply more than the maximum safe pipe pull pressure at any time. The contractor shall install a test section of pipe, which will fail prior to damaging the force main or joint restraint, attached to the front of the pull-back pipe. At no time shall the pull-back force exceed the maximum forces specified by the pipe or joint restraint manufacturer for the size and/or dimension ratio of pipe being installed. In the event that pipe becomes stuck, contractor will cease pulling operations to allow any potential “hydro-lock” to subside and will commence pulling operations. If pipe remains stuck, contractor will notify Engineer. Engineer and contractor will review available options and then work will proceed accordingly.

Weather-Related Costs

No additional compensation will be made by the Village for costs claimed due to additional labor, equipment or material required to continue prosecution of the Work due to sustained precipitation.

35. F&P CRETEX EXTERNAL CHIMNEY SEAL (SPECIAL)

This work shall include all labor, material and equipment necessary to install a chimney seal according to the manufacturer’s recommendations as marked by the Engineer in accordance with Section 602 & 603 of the Standard Specifications and as specified herein.

All chimney seals shall be manufactured by Cretex and be of the external variety with stainless steel trim and accessories.

36. SANITARY SEWER TELEVISING (SPECIAL)

This work shall include all labor, material and equipment necessary to televise the sanitary force main from Manhole #3 (E20- 1504), located east of the ANGUS chemical company building (1500 E Lake Cook Road), in its entirety to the lift station, located west of E Chevy Chase Drive. All sewer televising shall be completed in accordance with the National Association of Sewer Service Companies (NASSCO) Pipeline Assessment and Certification Program (PACP). The televising shall be transmitted to the Village on a solid state hard drive or flash drive, as well as in a format sufficient for integration with the Village's GIS system.

37. TRAFFIC CONTROL AND PROTECTION (SPECIAL)

Traffic control shall be in accordance with the applicable sections of the Standard Specifications for Road and Bridge Construction, the applicable guidelines contained in the Illinois Manual on Uniform Traffic Control Devices for Streets and Highways, these special provisions, and any special details and Highway Standards herein and in the plans, if applicable, and the Standard Specifications for Traffic Control Items. Special attention is called to the following sections of the Standard Specifications, the Highway Standards, and the special provisions relating to traffic control:

Delays to the Contractor caused by complying with these requirements will be considered included in the cost of the contract, and no additional compensation will be allowed.

Standards

701001, 701006, 701301, 701501, 70701, 701801, and 701901

Details

TC-10 Traffic Control and Protection for Side Roads, Intersections and Driveways
TC-22 Arterial Road Information Sign

Special Provisions

Maintenance of Roadways

No roads shall be closed without prior written approval from the Engineer. Prior to any road closure the Contractor must present to the Engineer a detour plan with description on how resident access will be maintained and signage for the closure. Submittal of a road closure request to the Engineer does not guarantee approval by the Engineer. All additional traffic control required for road closures per the Contractors request shall be included in the cost of the applicable contract pay items.

The Contractor shall be properly advised of the regulated weight limits within the surrounding areas of the project. No additional compensation in time or monetary value will be allowed. The Village of Buffalo Grove Police Department requires permits for Overweight/Over Sized Trucks or Vehicles. The Contractor can find additional information at www.vbg.org/645/Truck-Enforcement or by calling (847) 459-2560.

"No Parking" signs must be approved by the Engineer and be POSTED AND DATED at least 24 hours before the intended date of use. "No Parking" signs shall be a minimum size of 8.5" x 11", with a contrasting background and lath or post mounted. Signage that is posted without the Engineer's consent will be fined $500/day until removed. No towing of vehicles shall be done by the Contractor.

This work will be measured and paid for at the contract unit price per lump sum (LS) for TRAFFIC CONTROL AND PROTECTION (SPECIAL).

38. TRAFFIC CONTROL AND PROTECTION - BUFFALO GROVE ROAD (SPECIAL)

This work shall consist of planning, furnishing, installation, maintenance, relocation, and removal of all traffic control and detour signing devices as required to complete the work associated with the Buffalo Grove Road water main improvements and service transfers. All work shall be done in accordance with Sections 701 and 702 of the Standard Specifications except as modified herein. Some applicable standards are identified on the engineering plans.

At the preconstruction meeting, the Contractor shall furnish the name of the individual in his direct employ who is to be responsible for the installation and maintenance of the traffic control for this project. If the actual installation and maintenance are to be accomplished by a subcontractor, consent shall be requested of the Engineer at the time of the preconstruction meeting in accordance with Article 108.01 of the Standard Specifications. This shall not relieve the Contractor of the requirement to have a responsible individual in his direct employ supervise the work.

No signage may be installed within the Cook County right-of-way without prior approval by the County. All permitting requirements by the County shall be borne by the Contractor. Any and all expenses for securing a permit shall be included in this item.

This work will be paid for at the contract unit price per lump sum for TRAFFIC CONTROL AND PROTECTION - BUFFALO GROVE ROAD (SPECIAL). Price shall include all equipment, labor, materials, transportation, handling and incidentals necessary to propose, furnish, install, maintain, replace, relocate and remove all traffic control devices dictated by the work.

39. TEMPORARY INFORMATION SIGNING (SPECIAL)

Description.
This work shall consist of furnishing, installing, maintaining, relocating for various states of construction and eventually removing temporary informational signs. Included in this item may be ground mount signs, skid mount signs, truss mount signs, bridge mount signs, and overlay sign panels which cover portions of existing signs.

Materials.
Materials shall be according to the following Articles of Section 1000 - Materials:

Item	Article/Section
a.)	Sign Base (Notes 1 & 2) 1090
b.)	Sign Face (Note 3) 1091
c.)	Sign Legends 1092
d.)	Sign Supports 1093
e.)	Overlay Panels (Note 4) 1090.02

Note 1. The Contractor may use 5/8 inch (16 mm) instead of 3/4 inch (19 mm) thick plywood. Note 2. Type sheeting can be used on the plywood base.

Note 3. All sign faces shall be Type A except all orange signs shall meet the requirements of Article 1106.01. Note 4. The overlay panels shall be 0.08 inch (2 mm) thick.

GENERAL CONSTRUCTION REQUIRMENTS

Installation.
The sign sizes and legend sizes shall be verified by the Contractor prior to fabrication.

Signs which are placed along the roadway and/or within the construction zone shall be installed according to the requirements of Article 701.14 and Article 720.04. The signs shall be 7 ft (2.1 m) above the near edge of the pavement and shall be a minimum of 2 ft (600 mm) beyond the edge of the paved shoulder. A minimum of two (2) posts shall be used.

The attachment of temporary signs to existing sign structures or sign panels shall be approved by the Engineer. Any damage to the existing signs due to the Contractor's operations shall be repaired or signs replaced, as determined by the Engineer, at the Contractor's expense.

Signs which are placed on overhead bridge structures shall be fastened to the handrail with stainless steel bands. These signs shall rest on the concrete parapet where possible. The Contractor shall furnish mounting details for approval by the Engineer.

Method Of Measurement.
This work shall be measured for payment in square feet (square meters) edge to edge (horizontally and vertically).

All hardware, posts or skids, supports, bases for ground mounted signs, connections, which are required for mounting these signs will be included as part of this pay item.

This work will be measured and paid for at the contract unit price per square foot (SF) for TEMPORARY INFORMATION SIGNING (SPECIAL).

STATUS OF UTILITIES (D-1)
Effective: June 1, 2016

Utility companies and/or municipal owners located within the construction limits of this project have provided the following information in regard to their facilities and the proposed improvements. The tables below contain a description of specific conflicts to be resolved and/or facilities which will require some action on the part of the Department's contractor to proceed with work. Each table entry includes an identification of the action necessary and, if applicable, the estimated duration required for the resolution.

UTILITIES TO BE ADJUSTED

Conflicts noted below have been identified by following the suggested staging plan included in the contract. The company has been notified of all conflicts and will be required to obtain the necessary permits to complete their work; in some instances resolution will be a function of the construction staging. The responsible agency must relocate or complete new installations as noted in the action column; this work has been deemed necessary to be complete for the Department's contractor to then work in the stage under which the item has been listed.

No conflicts to be resolved.

The following contact information is what was used during the preparation of the plans as provided by the Agency/Company responsible for resolution of the conflict.

Agency/Company Responsible to Resolve Conflict	Name of contact	Address	Phone	e-mail address
Wide Open West	Paul Flinkow	1674 Frontenac Road Naperville, Illinois 60503	630-536-3139	Paul.flinkow@wowinc.com
ATT / T-TCG	Janet Ahern	1000 Commerce Drive Oak Brook, IL 60523	630-573-6414	Ja1763@att.com
Comcast	Martha Gieras	688 Industrial Drive Elmhurst, IL 60126	630-660-6352	Martha_gieras@comcast.com
ComED	Tina Losianowycz	860 Oak Creek Drive Lombard, Illinois 60148	630-396-8220	tina.losianowcyz@comed.com
Nicor Gas	Bruce Koppang	1744 Ferry Road Naperville, IL 60563	630-388-3046	bkoppann@aglresources.com
Village of Arlington Heights	Steve Mullany	222 N. Ridge Ave Arlington Heights, IL 60005	847-368-5800	smullany@vah.com

UTILITIES TO BE WATCHED AND PROTECTED

The areas of concern noted below have been identified by following the suggested staging plan included for the contract. The information provided is not a comprehensive list of all remaining utilities, but those which during coordination were identified as ones which might require the Department's contractor to take into consideration when making the determination of the means and methods that would be required to construct the proposed improvement. In some instances the contractor will be responsible to notify the owner in advance of the work to take place so necessary staffing on the owners part can be secured.

LOCATION / STAGE	TYPE	DESCRIPTION	RESPONSIBLE AGENCY	ACTION
Varies: North side of University Drive Sta. 100+40 to Sta. 122+50	Gas Main	The Contractor is alerted that there is an existing gas main in the north parkway of University Drive which shall be protected during construction activities (installation of water services, watermain construction, driveway replacement, etc.)	**Nicor Gas**	Contractor to watch and protect the existing gas main during construction operations
Sta. 100+40 O/S: 21' LT / 5' RT	Gas Main	The Contractor is alerted that the existing gas main shall be protected during the installation of the proposed storm sewer water main quality pipe near the intersection of Buffalo Grove Road	**Nicor Gas**	Contractor to watch and protect the existing gas main during construction operations
Sta. 100+40 O/S: 6' LT	Gas Main	The Contractor is alerted that the existing gas main shall be protected during the installation of the proposed forcemain near the intersection of Buffalo Grove Road	**Nicor Gas**	Contractor to watch and protect the existing gas main during construction operations
Sta. 100+40 O/S: 32' LT	Gas Valve	The Contractor is alerted that the existing gas valve shall be protected during the construction of the ADA ramp improvement	**Nicor Gas**	Contractor to watch and protect the existing gas main during construction operations
Sta. 100+40 O/S: 78' RT	Gas Main	The Contractor is alerted that the existing gas main shall be protected during the installation of the proposed fire hydrant and assembly	**Nicor Gas**	Contractor to watch and protect the existing gas main during construction operations
Sta. 116+22 O/S: 43' RT	Gas Main	The Contractor is alerted that the existing gas main shall be protected during the installation of the proposed watermain and pressure connection	**Nicor Gas**	Contractor to watch and protect the existing gas main during construction operations
Sta. 116+22 O/S: 6' LT	Gas Main	The Contractor is alerted that the existing gas main shall be protected during the installation of the proposed forcemain	**Nicor Gas**	Contractor to watch and protect the existing gas main during construction operations
Sta. 119+30 O/S: 46' RT	Gas Main	The Contractor is alerted that the existing gas main shall be protected during the installation of the proposed watermain and pressure connection	**Nicor Gas**	Contractor to watch and protect the existing gas main during construction operations
Sta. 121+80 O/S: 6' LT	Gas Main	The Contractor is alerted that the existing gas main shall be protected during the installation of the proposed forcemain	**Nicor Gas**	Contractor to watch and protect the existing gas main during construction operations
Sta. 121+80 O/S: 10' RT	Gas Main	The Contractor is alerted that the existing gas main shall be protected during the installation of the proposed watermain	**Nicor Gas**	Contractor to watch and protect the existing gas main during construction operations
Sta. 109+82 O/S: 6' LT	Underground Cable	The Contractor is alerted that the existing underground cable shall be protected during the installation of the proposed forcemain	**ATT**	Contractor to watch and protect the existing underground cable during construction operations

LOCATION / STAGE	TYPE	DESCRIPTION	RESPONSIBLE AGENCY	ACTION
Sta. 109+82 O/S: 12' RT	Underground Cable	The Contractor is alerted that the existing underground cable shall be protected during the installation of the proposed watermain	**ATT**	Contractor to watch and protect the existing underground cable during construction operations
Sta. 117+50 O/S: 6' LT	Underground Cable	The Contractor is alerted that the existing underground cable shall be protected during the installation of the proposed forecemain	**ATT**	Contractor to watch and protect the existing underground cable during construction operations
Sta. 117+50 O/S: 10' RT	Underground Cable	The Contractor is alerted that the existing underground cable shall be protected during the installation of the proposed watermain	**ATT**	Contractor to watch and protect the existing underground cable during construction operations
Sta. 117+50 O/S: 18' RT	Underground Cable	The Contractor is alerted that the existing underground cable shall be protected during the installation of the proposed storm sewer water main quality pipe	**ATT**	Contractor to watch and protect the existing underground cable during construction operations
Sta. 116+09 O/S: 20' RT	Electric	The Contractor is alerted that the existing underground electric facility shall be protected during the installation of the proposed watermain	**ComED**	Contractor to watch and protect the existing underground electric during construction operations
Sta. 116+17 O/S: 20' RT	Electric	The Contractor is alerted that the existing underground electric facility shall be protected during the installation of the proposed storm sewer water main quality pipe	**ComED**	Contractor to watch and protect the existing underground electric during construction operations
Sta. 117+17 O/S: 18' RT	Electric	The Contractor is alerted that the existing underground electric facility shall be protected during the installation of the proposed storm sewer water main quality pipe	**ComED**	Contractor to watch and protect the existing underground electric during construction operations
Sta. 117+52 O/S: 6' LT	Electric	The Contractor is alerted that the existing underground electric facility shall be protected during the installation of the proposed forcemain	**ComED**	Contractor to watch and protect the existing underground electric during construction operations
Sta. 117+52 O/S: 10' RT	Electric	The Contractor is alerted that the existing underground electric facility shall be protected during the installation of the proposed watermain	**ComED**	Contractor to watch and protect the existing underground electric during construction operations
Sta. 117+64 O/S: 20' RT	Electric	The Contractor is alerted that the existing underground electric facility shall be protected during the installation of the proposed storm sewer water main quality pipe	**ComED**	Contractor to watch and protect the existing underground electric during construction operations
Sta. 119+11 O/S: 18' RT	Electric	The Contractor is alerted that the existing underground electric facility shall be protected during	**ComED**	Contractor to watch and protect the existing underground

LOCATION / STAGE	TYPE	DESCRIPTION	RESPONSIBLE AGENCY	ACTION
		the installation of the proposed watermain		electric during construction operations
Sta. 119+25 O/S: 20' RT	Electric	The Contractor is alerted that the existing underground electric facility shall be protected during the installation of the proposed storm sewer water main quality pipe	**ComED**	Contractor to watch and protect the existing underground electric during construction operations
Sta. 119+45 O/S: 20 RT	Electric	The Contractor is alerted that the existing underground electric facility shall be protected during the installation of the proposed fire hydrant and assembly	**ComED**	Contractor to watch and protect the existing underground electric during construction operations
Sta. 115+85 to Sta.121+80 O/S: RT	Electric	The Contractor is alerted that the existing underground electric facility shall be protected during the installation of the proposed water services at various locations	**ComED**	Contractor to watch and protect the existing underground electric during construction operations

The following contact information is what was used during the preparation of the plans as provided by the owner of the facility.

Agency/Company Responsible to Resolve Conflict	Name of contact	Address	Phone	e-mail address
Wide Open West	Paul Flinkow	1674 Frontenac Road Naperville, Illinois 60503	630-536-3139	Paul.flinkow@wowinc.com
ATT / T-TCG	Janet Ahern	1000 Commerce Drive Oak Brook, IL 60523	630-573-6414	Ja1763@att.com
Comcast	Martha Gieras	688 Industrial Drive Elmhurst, IL 60126	630-660-6352	Martha_gieras@comcast.com
ComED	Tina Losianowycz	860 Oak Creek Drive Lombard, Illinois 60148	630-396-8220	tina.losianowcyz@comed.com
Nicor Gas	Bruce Koppang	1744 Ferry Road Naperville, IL 60563	630-388-3046	bkoppann@aglresources.com
Village of Arlington Heights	Steve Mullany	222 N. Ridge Ave Arlington Heights, IL 60005	847-368-5800	smullany@vah.com

The above represents the best information available to the Department and is included for the convenience of the bidder. The days required for conflict resolution should be taken into account in the bid as this information has also been factored into the timeline identified for the project when setting the completion date. The applicable portions of the Standard Specifications for Road and Bridge Construction shall apply.

Estimated duration of time provided in the action column for the first conflicts identified will begin on the date of the executed contract regardless of the status of the utility relocations. The responsible agencies will be working toward resolving subsequent conflicts in conjunction with contractor activities in the number of days noted.

The estimated relocation dates must be part of the progress schedule submitted by the contractor. A utility kickoff meeting will be scheduled between the Department, the Department's contractor and the utility companies. The Department's contractor is responsible for contacting J.U.L.I.E. prior to any and all excavation work.

TRAFFIC CONTROL PLAN
Effective: September 30, 1985
Revised: January 1, 2007

Traffic Control shall be according to the applicable sections of the Standard Specifications, the Supplemental Specifications, the "Illinois Manual on Uniform Traffic Control Devices for Streets and Highways", any special details and Highway Standards contained in the plans, and the Special Provisions contained herein.

Special attention is called to Article 107.09 of the Standard Specifications and the following Highway Standards, Details, Quality Standard for Work Zone Traffic Control Devices, Recurring Special Provisions and Special Provisions contained herein, relating to traffic control.

The Contractor shall contact the District One Bureau of Traffic at least 72 hours in advance of beginning work.

STANDARDS:

701001-02 Off-Rd Operations, 2L, 2W More Than 15' Away
701006-05 Off-Rd Operations, 2L, 2W 15' to 24" from Edge of Pavement
701301-04 Lane Closure, 2L, 2W Short Time Operations
701501-06 Urban Lane Closure 2L, 2W Undivided
701701-10 Urban Lane Closure Multilane Intersection
701801-06 Sidewalk, Corner, or Crosswalk Closure
701901-08 Traffic Control Devices

DETAILS:

TC-10 Traffic Control & Protection for Side Roads, Intersection, and Driveways
TC-22 Arterial Road Information Sign

SPECIAL PROVISIONS:

Maintenance of Roadways
Public Convenience and Safety
Temporary Information Signing (Special)
Traffic Control and Protection (Special)
Traffic Control and Protection – Buffalo Grove Road (Special)
Lights on Barricades - BDE

FRICTION AGGREGATE (D-1)
Effective: January 1, 2011
Revised: April 29, 2016

Revise Article 1004.03(a) of the Standard Specifications to read:

"**1004.03 Coarse Aggregate for Hot-Mix Asphalt (HMA).** The aggregate shall be according to Article 1004.01 and the following.

(a) Description. The coarse aggregate for HMA shall be according to the following table.

Use	Mixture	Aggregates Allowed
Class A	Seal or Cover	Allowed Alone or in Combination [5/]: Gravel Crushed Gravel Carbonate Crushed Stone Crystalline Crushed Stone Crushed Sandstone Crushed Slag (ACBF) Crushed Steel Slag Crushed Concrete
HMA Low ESAL	Stabilized Subbase or Shoulders	Allowed Alone or in Combination [5/]: Gravel Crushed Gravel Carbonate Crushed Stone Crystalline Crushed Stone Crushed Sandstone Crushed Slag (ACBF) Crushed Steel Slag[1/] Crushed Concrete
HMA High ESAL Low ESAL	Binder IL-19.0 or IL-19.0L SMA Binder	Allowed Alone or in Combination [5/ 6/]: Crushed Gravel Carbonate Crushed Stone[2/] Crystalline Crushed Stone Crushed Sandstone Crushed Slag (ACBF) Crushed Concrete[3/]
HMA High ESAL Low ESAL	C Surface and Leveling Binder IL-9.5 or IL-9.5L SMA Ndesign 50 Surface	Allowed Alone or in Combination [5/]: Crushed Gravel Carbonate Crushed Stone[2/] Crystalline Crushed Stone Crushed Sandstone Crushed Slag (ACBF) Crushed Steel Slag[4/] Crushed Concrete[3/]
HMA High ESAL	D Surface and Leveling Binder IL-9.5 SMA Ndesign 50 Surface	Allowed Alone or in Combination [5/]: Crushed Gravel Carbonate Crushed Stone (other than Limestone)[2/] Crystalline Crushed Stone Crushed Sandstone Crushed Slag (ACBF) Crushed Steel Slag[4/] Crushed Concrete[3/]
		Other Combinations Allowed:

Use	Mixture	Aggregates Allowed	
		Up to...	*With...*
		25% Limestone	Dolomite
		50% Limestone	Any Mixture D aggregate other than Dolomite
		75% Limestone	Crushed Slag (ACBF) or Crushed Sandstone
HMA High ESAL	E Surface IL-9.5 SMA Ndesign 80 Surface	<u>Allowed Alone or in Combination</u> [5/ 6/]: Crystalline Crushed Stone Crushed Sandstone Crushed Slag (ACBF) Crushed Steel Slag No Limestone.	
		<u>Other Combinations Allowed:</u>	
		Up to...	*With...*
		50% Dolomite[2/]	Any Mixture E aggregate
		75% Dolomite[2/]	Crushed Sandstone, Crushed Slag (ACBF), Crushed Steel Slag, or Crystalline Crushed Stone
		75% Crushed Gravel[2/] or Crushed Concrete[3/]	Crushed Sandstone, Crystalline Crushed Stone, Crushed Slag (ACBF), or Crushed Steel Slag
HMA High ESAL	F Surface IL-9.5 SMA Ndesign 80 Surface	<u>Allowed Alone or in Combination</u> [5/ 6/]: Crystalline Crushed Stone Crushed Sandstone Crushed Slag (ACBF) Crushed Steel Slag No Limestone.	
		<u>Other Combinations Allowed</u>:	
		Up to...	*With...*

Use	Mixture	Aggregates Allowed	
		50% Crushed Gravel[2/], Crushed Concrete[3/], or Dolomite[2/]	Crushed Sandstone, Crushed Slag (ACBF), Crushed Steel Slag, or Crystalline Crushed Stone

1/ Crushed steel slag allowed in shoulder surface only.
2/ Carbonate crushed stone (limestone) and/or crushed gravel shall not be used in SMA Ndesign 80. In SMA Ndesign 50, carbonate crushed stone shall not be blended with any of the other aggregates allowed alone in Ndesign 50 SMA binder or Ndesign 50 SMA surface.
3/ Crushed concrete will not be permitted in SMA mixes.
4/ Crushed steel slag shall not be used as leveling binder.
5/ When combinations of aggregates are used, the blend percent measurements shall be by volume."
6/ Combining different types of aggregate will not be permitted in SMA Ndesign 80."

GROUND TIRE RUBBER (GTR) MODIFIED ASPHALT BINDER (D-1)
Effective: June 26, 2006
Revised: April 1, 2016

Add the following to the end of article 1032.05 of the Standard Specifications:

"(c) Ground Tire Rubber (GTR) Modified Asphalt Binder. A quantity of 10.0 to 14.0 percent GTR (Note 1) shall be blended by dry unit weight with a PG 64-28 to make a GTR 70-28 or a PG 58-28 to make a GTR 64-28. The base PG 64-28 and PG 58-28 asphalt binders shall meet the requirements of Article 1032.05(a). Compatible polymers may be added during production. The GTR modified asphalt binder shall meet the requirements of the following table.

Test	Asphalt Grade GTR 70-28	Asphalt Grade GTR 64-28
Flash Point (C.O.C.), AASHTO T 48, °F (°C), min.	450 (232)	450 (232)
Rotational Viscosity, AASHTO T 316 @ 275 °F (135 °C), Poises, Pa·s, max.	30 (3)	30 (3)
Softening Point, AASHTO T 53, °F (°C), min.	135 (57)	130 (54)
Elastic Recovery, ASTM D 6084, Procedure A (sieve waived) @ 77 °F, (25 °C), aged, ss, 100 mm elongation, 5 cm/min., cut immediately, %, min.	65	65

Note 1. GTR shall be produced from processing automobile and/or light truck tires by the ambient grinding method. GTR shall not exceed 1/16 in. (2 mm) in any dimension and shall contain no free metal particles or other materials. A mineral powder (such as talc) meeting the requirements of AASHTO M 17 may be added, up to a maximum of four percent by weight of GTR to reduce

sticking and caking of the GTR particles. When tested in accordance with Illinois modified AASHTO T 27, *a* 50 g sample of the GTR shall conform to the following gradation requirements:

Sieve Size	Percent Passing
No. 16 (1.18 mm)	100
No. 30 (600 μm)	95 ± 5
No. 50 (300 μm)	> 20

Add the following to the end of Note 1. of article 1030.03 of the Standard Specifications:

"A dedicated storage tank for the Ground Tire Rubber (GTR) modified asphalt binder shall be provided. This tank must be capable of providing continuous mechanical mixing throughout by continuous agitation and recirculation of the asphalt binder to provide a uniform mixture. The tank shall be heated and capable of maintaining the temperature of the asphalt binder at 300 °F to 350 °F (149 °C to 177 °C). The asphalt binder metering systems of dryer drum plants shall be calibrated with the actual GTR modified asphalt binder material with an accuracy of ± 0.40 percent."

Revise 1030.02(c) of the Standard Specifications to read:

"(c) RAP Materials (Note 5) ……..…..1031"

Add the following note to 1030.02 of the Standard Specifications:

Note 5. When using reclaimed asphalt pavement and/or reclaimed asphalt shingles, the maximum asphalt binder replacement percentage shall be according to the most recent special provision for recycled materials.

HMA MIXTURE DESIGN REQUIREMENTS (D-1)
Effective: January 1, 2013
Revised: January 1, 2018

1) Design Composition and Volumetric Requirements

Revise the table in Article 406.06(d) of the Standard Specifications to read:

"MINIMUM COMPACTED LIFT THICKNESS	
Mixture Composition	Thickness, in. (mm)
IL-4.75	3/4 (19)
SMA-9.5, IL-9.5, IL-9.5L	1 1/2 (38)
SMA-12.5	2 (50)
IL-19.0, IL-19.0L	2 1/4 (57)"

Revise the table in Article 1004.03(c) of the Standard Specifications to read:

"Use	Size/Application	Gradation No.
Class A-1, 2, & 3	3/8 in. (10 mm) Seal	CA 16
Class A-1	1/2 in. (13 mm) Seal	CA 15
Class A-2 & 3	Cover	CA 14
HMA High ESAL	IL-19.0 IL-9.5	CA 11 1/ CA 16, CA 13 3/
HMA Low ESAL	IL-19.0L IL-9.5L Stabilized Subbase or Shoulders	CA 11 1/ CA 16
SMA 2/	1/2 in. (12.5mm) Binder & Surface IL 9.5 Surface	CA13 3/, CA14 or CA16 CA16, CA 13 3/

1/ CA 16 or CA 13 may be blended with the gradations listed.
2/ The coarse aggregates used shall be capable of being combined with stone sand, slag sand, or steel slag sand meeting the FA/FM 20 gradation and mineral filler to meet the approved mix design and the mix requirements noted herein.
3/ CA 13 shall be 100 percent passing the 1/2 in. (12.5mm) sieve.

Revise Article 1004.03(e) of the Supplemental Specifications to read:

"(e) Absorption. For SMA the coarse aggregate shall also have water absorption ≤ 2.0 percent."

Revise the last paragraph of Article 1102.01 (a) (5) of the Standard Specifications to read:

"IL-4.75 and Stone Matrix Asphalt (SMA) mixtures which contain aggregate having absorptions greater than or equal to 2.0 percent, or which contain steal slag sand, shall have minimum surge bin storage plus haul time of 1.5 hours."

Revise the nomenclature table in Article 1030.01 of the Standard Specifications to read:

"High ESAL	IL-19.0 binder; IL-9.5 surface; IL-4.75; SMA-12.5, SMA-9.5
Low ESAL	IL-19.0L binder; IL-9.5L surface; Stabilized Subbase (HMA) 1/; HMA Shoulders 2/

1/ Uses 19.0L binder mix.

2/ Uses 19.0L for lower lifts and 9.5L for surface lift."

Revise Article 1030.02 of the Standard Specifications and Supplemental Specifications to read:

"**1030.02 Materials.** Materials shall be according to the following.

Item	Article/Section
(a) Coarse Aggregate	1004.03
(b) Fine Aggregate	1003.03
(c) RAP Material	1031
(d) Mineral Filler	1011
(e) Hydrated Lime	1012.01
(f) Slaked Quicklime (Note 1)	
(g) Performance Graded Asphalt Binder (Note 2)	1032
(h) Fibers (Note 3)	
(i) Warm Mix Asphalt (WMA) Technologies (Note 4)	

Note 1. Slaked quicklime shall be according to ASTM C 5.

Note 2. The asphalt binder shall be an SBS PG 76-28 when the SMA is used on a full-depth asphalt pavement and SBS PG 76-22 when used as an overlay, except where modified herein. The asphalt binder shall be an Elvaloy or SBS PG 76-22 for IL-4.75, except where modified herein. The elastic recovery shall be a minimum of 80.

Note 3. A stabilizing additive such as cellulose or mineral fiber shall be added to the SMA mixture according to Illinois Modified AASHTO M 325. The stabilizing additive shall meet the Fiber Quality Requirements listed in Illinois Modified AASHTO M 325. Prior to approval and use of fibers, the Contractor shall submit a notarized certification by the producer of these materials stating they meet these requirements. Reclaimed Asphalt Shingles (RAS) may be used in Stone Matrix Asphalt (SMA) mixtures designed with an SBA polymer modifier as a fiber additive if the mix design with RAS included meets AASHTO T305 requirements. The RAS shall be from a certified source that produces either Type I or Type 2. Material shall meet requirements noted herein and the actual dosage rate will be determined by the Engineer.

Note 4. Warm mix additives or foaming processes shall be selected from the current Bureau of Materials and Physical Research Approved List, “Warm Mix Asphalt Technologies”.”

Revise Article 1030.04(a)(1) of the Standard Specifications and the Supplemental Specifications to read:

"(1) High ESAL Mixtures. The Job Mix Formula (JMF) shall fall within the following limits.

High ESAL, MIXTURE COMPOSITION (% PASSING) [1/]										
Sieve Size	IL-19.0 mm		SMA [4/] IL-12.5 mm		SMA [4/] IL-9.5 mm		IL-9.5 mm		IL-4.75 mm	
	min	max	min	max	min	max	min	max	min	max
1 1/2 in (37.5 mm)										
1 in. (25 mm)		100								
3/4 in. (19 mm)	90	100		100						
1/2 in. (12.5 mm)	75	89	80	100		100		100		100
3/8 in. (9.5 mm)				65	90	100	90	100		100
#4 (4.75 mm)	40	60	20	30	36	50	34	69	90	100
#8 (2.36 mm)	20	42	16	24 [5/]	16	32 [5/]	34 [6/]	52 [2/]	70	90
#16 (1.18 mm)	15	30					10	32	50	65
#30 (600 μm)			12	16	12	18				
#50 (300 μm)	6	15					4	15	15	30
#100 (150 μm)	4	9					3	10	10	18
#200 (75 μm)	3	6	7.0	9.0 [3/]	7.5	9.5 [3/]	4	6	7	9 [3/]
Ratio Dust/Asphalt Binder		1.0		1.5		1.5		1.0		1.0

1/ Based on percent of total aggregate weight.

2/ The mixture composition shall not exceed 44 percent passing the #8 (2.36 mm) sieve for surface courses with Ndesign = 90.

3/ Additional minus No. 200 (0.075 mm) material required by the mix design shall be mineral filler, unless otherwise approved by the Engineer.

4/ The maximum percent passing the #635 (20 μm) sieve shall be ≤ 3 percent.

5/ When establishing the Adjusted Job Mix Formula (AJMF) the percent passing the #8 (2.36 mm) sieve shall not be adjusted above the percentage stated on the table.

6/ When establishing the Adjusted Job Mix Formula (AJMF) the percent passing the #8 (2.36 mm) sieve shall not be adjusted below 34 percent.

Revise Article 1030.04(b)(1) of the Standard Specifications to read:

"(1) High ESAL Mixtures. The target value for the air voids of the HMA shall be 4.0 percent and for IL-4.75 it shall be 3.5 percent at the design number of gyrations. The VMA and VFA of the HMA design shall be based on the nominal maximum size of the aggregate in the mix, and shall conform to the following requirements.

VOLUMETRIC REQUIREMENTS High ESAL				
	Voids in the Mineral Aggregate (VMA), % minimum			Voids Filled with Asphalt Binder (VFA), %
Ndesign	IL-19.0	IL-9.5	IL-4.75[1/]	
50	13.5	15.0	18.5	65 – 78 [2/]
70				65 - 75
90				

1/ Maximum Draindown for IL-4.75 shall be 0.3 percent

2/ VFA for IL-4.75 shall be 72-85 percent"

Replace Article 1030.04(b)(3) of the Standard Specifications with the following:

"(3) SMA Mixtures.

Volumetric Requirements SMA [1/]			
Ndesign	Design Air Voids Target %	Voids in the Mineral Aggregate (VMA), % min.	Voids Filled with Asphalt (VFA), %
80 [4/]	3.5	17.0 [2/]	75 - 83
		16.0 [3/]	

1/ Maximum draindown shall be 0.3 percent. The draindown shall be determined at the JMF asphalt binder content at the mixing temperature plus 30 °F.

2/ Applies when specific gravity of coarse aggregate is ≥ 2.760.

3/ Applies when specific gravity of coarse aggregate is < 2.760.

4/ Blending of different types of aggregate will not be permitted.
For surface course, the coarse aggregate can be crushed steel slag, crystalline crushed stone or crushed sandstone. For binder course, coarse aggregate shall be crushed stone (dolomite), crushed gravel, crystalline crushed stone, or crushed sandstone.

Add to the end of Article 1030.05 (d) (2) a. of the Standard Specifications:

"During production, the Contractor shall test SMA mixtures for draindown according to AASHTO T305 at a frequency of 1 per day of production."

Delete last sentence of the second paragraph of Article 1102.01(a) (4) b. 2.

Add to the end of Article 1102.01 (a) (4) b. 2.:

"As an option, collected dust (baghouse) may be used in lieu of manufactured mineral filler according to the following:

(a.) Sufficient collected dust (baghouse) is available for production of the SMA mix for the entire project.

(b.) A mix design was prepared based on collected dust (baghouse).

2) Design Verification and Production

Revise Article 1030.04 (d) of the Standard Specifications to read:

"(d) Verification Testing. High ESAL, IL-4.75, and SMA mix designs submitted for verification will be tested to ensure that the resulting mix designs will pass the required criteria for the Hamburg Wheel Test (IL mod AASHTO T-324) and the Tensile Strength Test (IL mod AASHTO T-283). The Department will perform a verification test on gyratory specimens compacted by the Contractor. If the mix fails the Department's verification test, the Contractor shall make the necessary changes to the mix and resubmit compacted specimens to the Department for verification. If the mix fails again, the mix design will be rejected.

All new and renewal mix designs will be required to be tested, prior to submittal for Department verification and shall meet the following requirements:

(1)Hamburg Wheel Test criteria. The maximum allowable rut depth shall be 0.5 in. (12.5 mm). The minimum number of wheel passes at the 0.5 in. (12.5 mm) rut depth criteria shall be based on the high temperature binder grade of the mix as specified in the mix requirements table of the plans.

Illinois Modified AASHTO T 324 Requirements [1/]

Asphalt Binder Grade	# Repetitions	Max Rut Depth (mm)
PG 70 -XX (or higher)	20,000	12.5
PG 64 -XX (or lower)	10,000	12.5

1/ When produced at temperatures of 275 ± 5 °F (135 ± 3 °C) or less, loose Warm Mix Asphalt shall be oven aged at 270 ± 5 °F (132 ± 3 °C) for two hours prior to gyratory compaction of Hamburg Wheel specimens.

Note: For SMA Designs (N-80) the maximum rut depth is 6.0 mm at 20,000 repetitions. For IL 4.75mm Designs (N-50) the maximum rut depth is 9.0mm at 15,000 repetitions.

(2) Tensile Strength Criteria. The minimum allowable conditioned tensile strength shall be 60 psi (415 kPa) for non-polymer modified performance graded (PG) asphalt binder and 80 psi (550 kPa) for polymer modified PG asphalt binder. The maximum allowable unconditioned tensile strength shall be 200 psi (1380 kPa)."

Production Testing. Revise first paragraph of Article 1030.06(a) of the Standard Specifications to read:

"(a) High ESAL, IL-4.75, WMA, and SMA Mixtures. For each contract, a 300 ton (275 metric tons) test strip, except for SMA mixtures it will be 400 ton (363 metric ton), will be required at the beginning of HMA production for each mixture at the beginning of each construction year according to the Manual of Test Procedures for Materials "Hot Mix Asphalt Test Strip

Procedures". At the request of the Producer, the Engineer may waive the test strip if previous construction during the current construction year has demonstrated the constructability of the mix using Department test results."

Add the following after the sixth paragraph in Article 1030.06 (a) of the Standard Specifications:

"The Hamburg Wheel test shall also be conducted on all HMA mixtures from a sample taken within the first 500 tons (450 metric tons) on the first day of production or during start up with a split reserved for the Department. The mix sample shall be tested according to the Illinois Modified AASHTO T 324 and shall meet the requirements specified herein. Mix production shall not exceed 1500 tons (1350 metric tons) or one day's production, whichever comes first, until the testing is completed and the mixture is found to be in conformance. The requirement to cease mix production may be waived if the plant produced mixture demonstrates conformance prior to start of mix production for a contract.
If the mixture fails to meet the Hamburg Wheel criteria, no further mixture will be accepted until the Contractor takes such action as is necessary to furnish a mixture meeting the criteria"

Method of Measurement:

Add the following after the fourth paragraph of Article 406.13 (b):

"The plan quantities of SMA mixtures shall be adjusted using the actual approved binder and surface Mix Design's G_{mb}."

Basis of Payment.

Replace the fourth paragraph of Article 406.14 of the Standard Specifications with the following:

"Stone matrix asphalt will be paid for at the contract unit price per ton (metric ton) for POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, of the mixture composition and Ndesign specified; and POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, STONE MATRIX ASPHALT, of the mixture composition and Ndesign specified."

RECLAIMED ASPHALT PAVEMENT AND RECLAIMED ASPHALT SHINGLES (D-1)
Effective: November 1, 2012
Revise: January 1, 2018

Revise Section 1031 of the Standard Specifications to read:

"**SECTION 1031. RECLAIMED ASPHALT PAVEMENT AND RECLAIMED ASPHALT SHINGLES**

1031.01 Description. Reclaimed asphalt pavement and reclaimed asphalt shingles shall be according to the following.

(a) Reclaimed Asphalt Pavement (RAP). RAP is the material resulting from cold milling or crushing an existing hot-mix asphalt (HMA) pavement. RAP will be considered processed FRAP after completion of both crushing and screening to size. The Contractor shall supply written documentation that the RAP originated from routes or airfields under federal, state, or local agency jurisdiction.

(b) Reclaimed Asphalt Shingles (RAS). Reclaimed asphalt shingles (RAS). RAS is from the processing and grinding of preconsumer or post-consumer shingles. RAS shall be a clean and uniform material with a maximum of 0.5 percent unacceptable material, as defined in Central

Bureau of Materials Policy Memorandum, "Reclaimed Asphalt Shingle (RAS) Sources", by weight of RAS. All RAS used shall come from a Central Bureau of Materials approved processing facility where it shall be ground and processed to 100 percent passing the 3/8 in. (9.5 mm) sieve and 90 percent passing the #4 (4.75 mm) sieve. RAS shall meet the testing requirements specified herein. In addition, RAS shall meet the following Type 1 or Type 2 requirements.

(1) Type 1. Type 1 RAS shall be processed, preconsumer asphalt shingles salvaged from the manufacture of residential asphalt roofing shingles.

(2) Type 2. Type 2 RAS shall be processed post-consumer shingles only, salvaged from residential, or four unit or less dwellings not subject to the National Emission Standards for Hazardous Air Pollutants (NESHAP).

1031.02 Stockpiles. RAP and RAS stockpiles shall be according to the following.

(a) RAP Stockpiles. The Contractor shall construct individual, sealed RAP stockpiles meeting one of the following definitions. Additional processed RAP (FRAP) shall be stockpiled in a separate working pile, as designated in the QC Plan, and only added to the sealed stockpile when test results for the working pile are complete and are found to meet tolerances specified herein for the original sealed FRAP stockpile. Stockpiles shall be sufficiently separated to prevent intermingling at the base. All stockpiles (including unprocessed RAP and FRAP) shall be identified by signs indicating the type as listed below (i.e. "Non- Quality, FRAP -#4 or Type 2 RAS", etc…).

(1) Fractionated RAP (FRAP). FRAP shall consist of RAP from Class I, HMA (High and Low ESAL) or equivalent mixtures. The coarse aggregate in FRAP shall be crushed aggregate and may represent more than one aggregate type and/or quality, but shall be at least C quality. All FRAP shall be processed prior to testing and sized into fractions with the separation occurring on or between the #4 (4.75 mm) and 1/2 in. (12.5 mm) sieves. Agglomerations shall be minimized such that 100 percent of the RAP in the coarse fraction shall pass the maximum sieve size specified for the mix the FRAP will be used in.

(2) Restricted FRAP (B quality) stockpiles shall consist of RAP from Class I, HMA (High ESAL), or HMA (High ESAL). If approved by the Engineer, the aggregate from a maximum 3.0 in. (75 mm) single combined pass of surface/binder milling will be classified as B quality. All millings from this application will be processed into FRAP as described previously.

(3) Conglomerate. Conglomerate RAP stockpiles shall consist of RAP from Class I, HMA (High and Low ESAL) or equivalent mixtures. The coarse aggregate in this RAP shall be crushed aggregate and may represent more than one aggregate type and/or quality, but shall be at least C quality. This RAP may have an inconsistent gradation and/or asphalt binder content prior to processing. All conglomerate RAP shall be processed (FRAP) prior to testing. Conglomerate RAP stockpiles shall not contain steel slag or other expansive material as determined by the Department.

(4) Conglomerate "D" Quality (DQ). Conglomerate DQ RAP stockpiles shall consist of RAP from HMA shoulders, bituminous stabilized subbases or HMA (Low ESAL)/HMA (Low ESAL) IL-19.0L binder mixture. The coarse aggregate in this RAP may be crushed or round but shall be at least D quality. This RAP may have an inconsistent gradation and/or asphalt binder content. Conglomerate DQ RAP stockpiles shall not contain steel slag or other expansive material as determined by the Department.

(5) Non-Quality. RAP stockpiles that do not meet the requirements of the stockpile categories listed above shall be classified as “Non-Quality”.

RAP or FRAP containing contaminants, such as earth, brick, sand, concrete, sheet asphalt, bituminous surface treatment (i.e. chip seal), pavement fabric, joint sealants, plant cleanout etc., will be unacceptable unless the contaminants are removed to the satisfaction of the Engineer. Sheet asphalt shall be stockpiled separately.

(b) RAS Stockpiles. Type 1 and Type 2 RAS shall be stockpiled separately and shall be sufficiently separated to prevent intermingling at the base. Each stockpile shall be signed indicating what type of RAS is present.

However, a RAS source may submit a written request to the Department for approval to blend mechanically a specified ratio of Type 1 RAS with Type 2 RAS. The source will not be permitted to change the ratio of the blend without the Department prior written approval. The Engineer’s written approval will be required, to mechanically blend RAS with any fine aggregate produced under the AGCS, up to an equal weight of RAS, to improve workability. The fine aggregate shall be “B Quality” or better from an approved Aggregate Gradation Control System source. The fine aggregate shall be one that is approved for use in the HMA mixture and accounted for in the mix design and during HMA production.

Records identifying the shingle processing facility supplying the RAS, RAS type, and lot number shall be maintained by project contract number and kept for a minimum of three years.

1031.03 Testing. FRAP and RAS testing shall be according to the following.

(a) FRAP Testing. When used in HMA, the FRAP shall be sampled and tested either during processing or after stockpiling. It shall also be sampled during HMA production.

(1) During Stockpiling. For testing during stockpiling, washed extraction samples shall be run at the minimum frequency of one sample per 500 tons (450 metric tons) for the first 2000 tons (1800 metric tons) and one sample per 2000 tons (1800 metric tons) thereafter. A minimum of five tests shall be required for stockpiles less than 4000 tons (3600 metric tons).

(2) Incoming Material. For testing as incoming material, washed extraction samples shall be run at a minimum frequency of one sample per 2000 tons (1800 metric tons) or once per week, whichever comes first.

(3) After Stockpiling. For testing after stockpiling, the Contractor shall submit a plan for approval to the District proposing a satisfactory method of sampling and testing the RAP/FRAP pile either in-situ or by restockpiling. The sampling plan shall meet the minimum frequency required above and detail the procedure used to obtain representative samples throughout the pile for testing.

Before extraction, each field sample of FRAP, shall be split to obtain two samples of test sample size. One of the two test samples from the final split shall be labeled and stored for Department use. The Contractor shall extract the other test sample according to Department procedure. The Engineer reserves the right to test any sample (split or Department-taken) to verify Contractor test results.

(b) RAS Testing. RAS shall be sampled and tested during stockpiling according to Central Bureau of Materials Policy Memorandum, “Reclaimed Asphalt Shingle (RAS) Sources”. The Contractor shall also sample as incoming material at the HMA plant.

(1) During Stockpiling. Washed extraction and testing for unacceptable materials shall be run at the minimum frequency of one sample per 200 tons (180 metric tons) for the first 1000 tons (900 metric tons) and one sample per 1000 tons (900 metric tons) thereafter. A minimum of five samples are required for stockpiles less than 1000 tons (900 metric tons). Once a ≤ 1000 ton (900 metric ton), five-sample/test stockpile has been established it shall be sealed. Additional incoming RAS shall be in a separate working pile as designated in the Quality Control plan and only added to the sealed stockpile when the test results of the working pile are complete and are found to meet the tolerances specified herein for the original sealed RAS stockpile.

(2) Incoming Material. For testing as incoming material at the HMA plant, washed extraction shall be run at the minimum frequency of one sample per 250 tons (227 metric tons). A minimum of five samples are required for stockpiles less than 1000 tons (900 metric tons). The incoming material test results shall meet the tolerances specified herein.

The Contractor shall obtain and make available all test results from start of the initial stockpile sampled and tested at the shingle processing facility in accordance with the facility's QC Plan.

Before extraction, each field sample shall be split to obtain two samples of test sample size. One of the two test samples from the final split shall be labeled and stored for Department use. The Contractor shall extract the other test sample according to Department procedures. The Engineer reserves the right to test any sample (split or Department-taken) to verify Contractor test results.

1031.04 Evaluation of Tests. Evaluation of test results shall be according to the following.

(a) Evaluation of FRAP Test Results. All test results shall be compiled to include asphalt binder content, gradation and, when applicable (for slag), G_{mm}. A five test average of results from the original pile will be used in the mix designs. Individual extraction test results run thereafter, shall be compared to the average used for the mix design, and will be accepted if within the tolerances listed below.

Parameter	FRAP
No. 4 (4.75 mm)	± 6 %
No. 8 (2.36 mm)	± 5 %
No. 30 (600 μm)	± 5 %
No. 200 (75 μm)	± 2.0 %
Asphalt Binder	± 0.3 %
G_{mm}	± 0.03 1/

1/ For stockpile with slag or steel slag present as determined in the current Manual of Test Procedures Appendix B 21, "Determination of Reclaimed Asphalt Pavement Aggregate Bulk Specific Gravity".

If any individual sieve and/or asphalt binder content tests are out of the above tolerances when compared to the average used for the mix design, the FRAP stockpile shall not be used in Hot-Mix Asphalt unless the FRAP representing those tests is removed from the stockpile. All test data and acceptance ranges shall be sent to the District for evaluation.

The Contractor shall maintain a representative moving average of five tests to be used for Hot-Mix Asphalt production.

With the approval of the Engineer, the ignition oven may be substituted for extractions according to the ITP, "Calibration of the Ignition Oven for the Purpose of Characterizing Reclaimed Asphalt Pavement (RAP)" or Illinois Modified AASHTO T-164-11, Test Method A.

(b) Evaluation of RAS Test Results. All of the test results, with the exception of percent unacceptable materials, shall be compiled and averaged for asphalt binder content and gradation. A five test average of results from the original pile will be used in the mix designs. Individual test results run thereafter, when compared to the average used for the mix design, will be accepted if within the tolerances listed below.

Parameter	RAS
No. 8 (2.36 mm)	± 5 %
No. 16 (1.18 mm)	± 5 %
No. 30 (600 µm)	± 4 %
No. 200 (75 µm)	± 2.5 %
Asphalt Binder Content	± 2.0 %

If any individual sieve and/or asphalt binder content tests are out of the above tolerances when compared to the average used for the mix design, the RAS shall not be used in Hot-Mix Asphalt unless the RAS representing those tests is removed from the stockpile. All test data and acceptance ranges shall be sent to the District for evaluation.

(c) Quality Assurance by the Engineer. The Engineer may witness the sampling and splitting conduct assurance tests on split samples taken by the Contractor for quality control testing a minimum of once a month.

The overall testing frequency will be performed over the entire range of Contractor samples for asphalt binder content and gradation. The Engineer may select any or all split samples for assurance testing. The test results will be made available to the Contractor as soon as they become available.

The Engineer will notify the Contractor of observed deficiencies.

Differences between the Contractor's and the Engineer's split sample test results will be considered acceptable if within the following limits.

Test Parameter	Acceptable Limits of Precision	
% Passing:[1/]	FRAP	RAS
1/2 in.	5.0%	
No. 4	5.0%	
No. 8	3.0%	4.0%
No. 30	2.0%	4.0%
No. 200	2.2%	4.0%
Asphalt Binder Content	0.3%	3.0%
G_{mm}	0.030	

1/ Based on washed extraction.

In the event comparisons are outside the above acceptable limits of precision, the Engineer will immediately investigate.

(d) Acceptance by the Engineer. Acceptable of the material will be based on the validation of the Contractor's quality control by the assurance process.

1031.05 Quality Designation of Aggregate in RAP and FRAP.

(a) RAP. The aggregate quality of the RAP for homogeneous, conglomerate, and conglomerate "D" quality stockpiles shall be set by the lowest quality of coarse aggregate in the RAP stockpile and are designated as follows.

(1) RAP from Class I, HMA (High ESAL), or (Low ESAL) IL-9.5L surface mixtures are designated as containing Class B quality coarse aggregate.

(2) RAP from HMA (Low ESAL) IL-19.0L binder mixture is designated as Class D quality coarse aggregate.

(3) RAP from Class I, HMA (High ESAL) binder mixtures, bituminous base course mixtures, and bituminous base course widening mixtures are designated as containing Class C quality coarse aggregate.

(4) RAP from bituminous stabilized subbase and BAM shoulders are designated as containing Class D quality coarse aggregate.

(b) FRAP. If the Engineer has documentation of the quality of the FRAP aggregate, the Contractor shall use the assigned quality provided by the Engineer.

If the quality is not known, the quality shall be determined as follows. Fractionated RAP stockpiles containing plus #4 (4.75 mm) sieve coarse aggregate shall have a maximum tonnage of 5,000 tons (4,500 metric tons). The Contractor shall obtain a representative sample witnessed by the Engineer. The sample shall be a minimum of 50 lb (25 kg). The sample shall be extracted according to Illinois Modified AASHTO T 164 by a consultant laboratory prequalified by the Department for the specified testing. The consultant laboratory shall submit the test results along with the recovered aggregate to the District Office. The cost for this testing shall be paid by the Contractor. The District will forward the sample to the Central Bureau of Materials Aggregate Lab for MicroDeval Testing, according to ITP 327. A maximum loss of 15.0 percent will be applied for all HMA applications. The fine aggregate portion of the fractionated RAP shall not be used in any HMA mixtures that require a minimum of "B" quality aggregate or better, until the coarse aggregate fraction has been determined to be acceptable thru a MicroDeval Testing.

1031.06 Use of FRAP and/or RAS in HMA. The use of FRAP and/or RAS shall be the Contractor's option when constructing HMA in all contracts.

(a) FRAP. The use of FRAP in HMA shall be as follows.

(1) Coarse Aggregate Size (after extraction). The coarse aggregate in all FRAP shall be equal to or less than the nominal maximum size requirement for the HMA mixture to be produced.

(2) Steel Slag Stockpiles. FRAP stockpiles containing steel slag or other expansive material, as determined by the Department, shall be homogeneous and will be approved for use in HMA (High ESAL and Low ESAL) mixtures regardless of lift or mix type.

(3) Use in HMA Surface Mixtures (High and Low ESAL). FRAP stockpiles for use in HMA surface mixtures (High and Low ESAL) shall have coarse aggregate that is Class B quality

or better. FRAP shall be considered equivalent to limestone for frictional considerations unless produced/screened to minus 3/8 inch.

(4) Use in HMA Binder Mixtures (High and Low ESAL), HMA Base Course, and HMA Base Course Widening. FRAP stockpiles for use in HMA binder mixtures (High and Low ESAL), HMA base course, and HMA base course widening shall be FRAP in which the coarse aggregate is Class C quality or better.

(5) Use in Shoulders and Subbase. FRAP stockpiles for use in HMA shoulders and stabilized subbase (HMA) shall be FRAP, Restricted FRAP, conglomerate, or conglomerate DQ.

(b) RAS. RAS meeting Type 1 or Type 2 requirements will be permitted in all HMA applications as specified herein.

(c) FRAP and/or RAS Usage Limits. Type 1 or Type 2 RAS may be used alone or in conjunction with FRAP in HMA mixtures up to a maximum of 5.0 percent by weight of the total mix.

When FRAP is used alone or FRAP is used in conjunction with RAS, the percent of virgin asphalt binder replacement (ABR) shall not exceed the amounts indicated in the table below for a given N Design.

Max Asphalt Binder Replacement for FRAP with RAS Combination

HMA Mixtures [1/ 2/ 4/]	Maximum % ABR		
Ndesign	Binder/Leveling Binder	Surface	Polymer Modified [3/]
30L	50	40	30
50	40	35	30
70	40	30	30
90	40	30	30
4.75 mm N-50			40
SMA N-80			30

1/ For Low ESAL HMA shoulder and stabilized subbase, the percent asphalt binder replacement shall not exceed 50 % of the total asphalt binder in the mixture.

2/ When the binder replacement exceeds 15 % for all mixes, except for SMA and IL-4.75, the high and low virgin asphalt binder grades shall each be reduced by one grade (i.e. 25 % binder replacement using a virgin asphalt binder grade of PG64-22 will be reduced to a PG58-28). When constructing full depth HMA and the ABR is less than 15 %, the required virgin asphalt binder grade shall be PG64-28.

3/ When the ABR for SMA or IL-4.75 is 15 % or less, the required virgin asphalt binder shall be SBS PG76-22 and the elastic recovery shall be a minimum of 80. When the ABR for SMA or IL-4.75 exceeds 15%, the virgin asphalt binder grade shall be SBS PG70-28 and the elastic recovery shall be a minimum of 80.

4/ When FRAP or RAS is used alone, the maximum percent asphalt binder replacement designated on the table shall be reduced by 10 %.

1031.07 HMA Mix Designs. At the Contractor's option, HMA mixtures may be constructed utilizing RAP/FRAP and/or RAS material meeting the detailed requirements specified herein.

(a) FRAP and/or RAS. FRAP and /or RAS mix designs shall be submitted for verification. If additional FRAP or RAS stockpiles are tested and found to be within tolerance, as defined under "Evaluation of Tests" herein, and meet all requirements herein, the additional FRAP or RAS stockpiles may be used in the original design at the percent previously verified.

(b) RAS. Type 1 and Type 2 RAS are not interchangeable in a mix design.

The RAP, FRAP and RAS stone specific gravities (G_{sb}) shall be according to the "Determination of Aggregate Bulk (Dry) Specific Gravity (G_{sb}) or Reclaimed Asphalt Pavement (RAP) and Reclaimed Asphalt Shingles (RAS)" procedure in the Department's Manual of Test Procedures for Materials.

1031.08 HMA Production. HMA production utilizing FRAP and/or RAS shall be as follows.

To remove or reduce agglomerated material, a scalping screen, gator, crushing unit, or comparable sizing device approved by the Engineer shall be used in the RAS and FRAP feed system to remove or reduce oversized material. .

If during mix production, corrective actions fail to maintain FRAP, RAS or QC/QA test results within control tolerances or the requirements listed herein the Contractor shall cease production of the mixture containing FRAP or RAS and conduct an investigation that may require a new mix design.

(a) RAS. RAS shall be incorporated into the HMA mixture either by a separate weight depletion system or by using the RAP weigh belt. Either feed system shall be interlocked with the aggregate feed or weigh system to maintain correct proportions for all rates of production and batch sizes. The portion of RAS shall be controlled accurately to within ± 0.5 percent of the amount of RAS utilized. When using the weight depletion system, flow indicators or sensing devices shall be provided and interlocked with the plant controls such that the mixture production is halted when RAS flow is interrupted.

(b) HMA Plant Requirements. HMA plants utilizing FRAP and/or RAS shall be capable of automatically recording and printing the following information.

(1) Dryer Drum Plants.

a. Date, month, year, and time to the nearest minute for each print.

b. HMA mix number assigned by the Department.

c. Accumulated weight of dry aggregate (combined or individual) in tons (metric tons) to the nearest 0.1 ton (0.1 metric ton).

d. Accumulated dry weight of RAS and FRAP in tons (metric tons) to the nearest 0.1 ton (0.1 metric ton).

e. Accumulated mineral filler in revolutions, tons (metric tons), etc. to the nearest 0.1 unit.

f. Accumulated asphalt binder in gallons (liters), tons (metric tons), etc. to the nearest 0.1 unit.

g. Residual asphalt binder in the RAS and FRAP material as a percent of the total mix to the nearest 0.1 percent.

h. Aggregate RAS and FRAP moisture compensators in percent as set on the control panel. (Required when accumulated or individual aggregate and RAS and FRAP are printed in wet condition.)

i. When producing mixtures with FRAP and/or RAS, a positive dust control system shall be utilized.

j. Accumulated mixture tonnage.

k. Dust Removed (accumulated to the nearest 0.1 ton (0.1 metric ton))

(2) Batch Plants.

a. Date, month, year, and time to the nearest minute for each print.

b. HMA mix number assigned by the Department.

c. Individual virgin aggregate hot bin batch weights to the nearest pound (kilogram).

d. Mineral filler weight to the nearest pound (kilogram).

f. RAS and FRAP weight to the nearest pound (kilogram).

g. Virgin asphalt binder weight to the nearest pound (kilogram).

h. Residual asphalt binder in the RAS and FRAP material as a percent of the total mix to the nearest 0.1 percent.

The printouts shall be maintained in a file at the plant for a minimum of one year or as directed by the Engineer and shall be made available upon request. The printing system will be inspected by the Engineer prior to production and verified at the beginning of each construction season thereafter.

1031.09 RAP in Aggregate Surface Course and Aggregate Wedge Shoulders, Type B. The use of RAP or FRAP in aggregate surface course and aggregate shoulders shall be as follows.

(a) Stockpiles and Testing. RAP stockpiles may be any of those listed in Article 1031.02, except “Non-Quality” and “FRAP”. The testing requirements of Article 1031.03 shall not apply. RAP used shall be according to the current Central Bureau of Materials Policy Memorandum, “Reclaimed Asphalt Pavement (RAP) for Aggregate Applications”.

(b) Gradation. The RAP material shall meet the gradation requirements for CA 6 according to Article 1004.01(c), except the requirements for the minus No. 200 (75 µm) sieve shall not apply. The sample for the RAP material shall be air dried to constant weight prior to being tested for gradation.”

State of Illinois
DEPARTMENT OF TRANSPORTATION
Bureau of Local Roads & Streets

SPECIAL PROVISION FOR FILLING HMA CORE HOLES WITH NON-SHRINK GROUT

Effective: January 1, 2008

All references to Sections and Articles in this Special Provision shall be construed to mean specific Sections and Articles in the Standard Specifications for Road and Bridge Construction adopted by the Department of Transportation.

Add the following after the first paragraph of Article 406.07(c) of the Standard Specifications:

> "Upon completion of coring for density testing, all free water shall be removed from the core holes prior to filling. All core holes shall be filled with a non-shrink grout from the Department's approved list, which shall be mixed in a separate container prior to placement in the hole. Only enough water to permit placement and consolidation by rodding shall be used, and the material shall be struck-off flush with the adjacent pavement."

APPENDIX A
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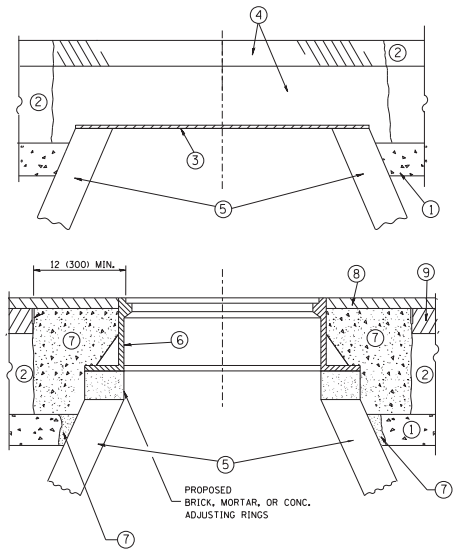
9. Permits
    - IEPA Water – 1347-FY2019
    - MWRD (Pending)
10. CCDD Certification – University Drive
11. Geotechnical / Boring Reports



CONSTRUCTION PROCEDURES

STAGE 1 (BEFORE PAVEMENT MILLING)

A) REMOVE A MINIMUM OF 12 (300) OF THE PAVEMENT FROM AROUND THE STRUCTURE.
B) REMOVE THE EXISTING FRAME AND LID FROM THE STRUCTURE.
C) COVER THE STRUCTURE OPENING WITH A 36 (900) DIAMETER METAL PLATE.
D) BACKFILL WITH CRUSHED STONE AND A MINIMUM 1½ (40) THICK HMA SURFACE MIX APPROVED BY THE ENGINEER.

STAGE 2 (AFTER PAVEMENT MILLING)

A) REMOVE THE HMA SURFACE MIX AND CRUSHED STONE.
B) INSTALL THE FRAME AND LID; ADJUST THE FRAME TO ITS FINAL SURFACE ELEVATION.
C) THE SURROUNDING SPACE SHALL BE FILLED WITH CLASS PP-1* CONCRETE TO THE ELEVATION OF THE SURFACE OF THE EXISTING BASE COURSE OR THE BINDER COURSE.

*UNLESS OTHERWISE SPECIFIED IN THE PLANS.

THE PROCEDURE EXPLAINED ABOVE SHALL CONFORM TO THE APPLICABLE PORTIONS OF SECTIONS 353, 406, 602, AND 603 OF THE STANDARD SPECIFICATIONS EXCEPT THAT "THE CONTRACTOR SHALL ADJUST THE STRUCTURES TO THE FINISHED PAVEMENT ELEVATION NO MORE THAN 5 CALENDAR DAYS PRIOR TO PLACEMENT OF THE FINAL LIFT OF SURFACE UNLESS APPROVED BY THE ENGINEER."

LEGEND

1. SUB-BASE GRANULAR MATERIAL
2. EXISTING PAVEMENT
3. 36 (900) DIAMETER METAL PLATE
4. PROPOSED CRUSHED STONE AND HMA SURFACE MIX
5. EXISTING STRUCTURE
6. FRAME AND LID (SEE NOTES)
7. CLASS PP-1* CONCRETE
8. PROPOSED HMA SURFACE COURSE
9. PROPOSED HMA BINDER COURSE

NOTES:

EXISTING BROKEN FRAMES AND LIDS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AND SHALL BE REPLACED AS DIRECTED BY THE ENGINEER. REPLACEMENT FRAMES AND LIDS WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS UNLESS A SEPARATE PAY ITEM HAS BEEN PROVIDED.

IF THE EXISTING LIDS ARE OPEN, THE FRAME WILL BE ADJUSTED TO THE ELEVATION OF THE MILLED PAVEMENT SURFACE PRIOR TO THE MILLING OPERATION. THE FRAME WILL NOT BE REMOVED AND COVERED BY THE METAL PLATE.

CITY OF CHICAGO CASTINGS ARE THE PROPERTY OF THE CITY AND THE CONTRACTOR SHALL NOTIFY THE CITY FOR REMOVAL AND DISPOSITION OF THE CASTINGS.

THE METAL PLATE USED TO COVER THE STRUCTURE SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.

WHEN STRUCTURES ARE TO BE ADJUSTED OR RECONSTRUCTED, THE LOWERING AND RAISING OF THE FRAMES AND LIDS WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE COST OF THE CORRESPONDING PAY ITEM.

LOCATION OF STRUCTURES:

THE CONTRACTOR WILL BE REQUIRED TO KEEP A RECORD OF THE LOCATIONS OF THE BURIED STRUCTURES ACCORDING TO THE STATION AND DISTANCE LEFT OR RIGHT OF THE CENTERLINE OF PAVEMENT. UPON COMPLETION OF THE WORK, THE CONTRACTOR WILL DELIVER THE RECORD TO THE ENGINEER.

BASIS OF PAYMENT:

REMOVING FRAMES AND LIDS ON DRAINAGE AND UTILITY STRUCTURES IN THE PAVEMENT PRIOR TO MILLING, AND ADJUSTING TO FINAL GRADE PRIOR TO PLACING THE SURFACE COURSE, WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR "FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)."

THIS WORK WILL NOT BE PAID FOR WHEN DRAINAGE AND UTILITY STRUCTURES ARE SPECIFIED FOR PAYMENT AS STRUCTURE RECONSTRUCTION.

NEW FRAMES AND LIDS, WHEN SPECIFIED, WILL BE PAID FOR SEPARATELY.

DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

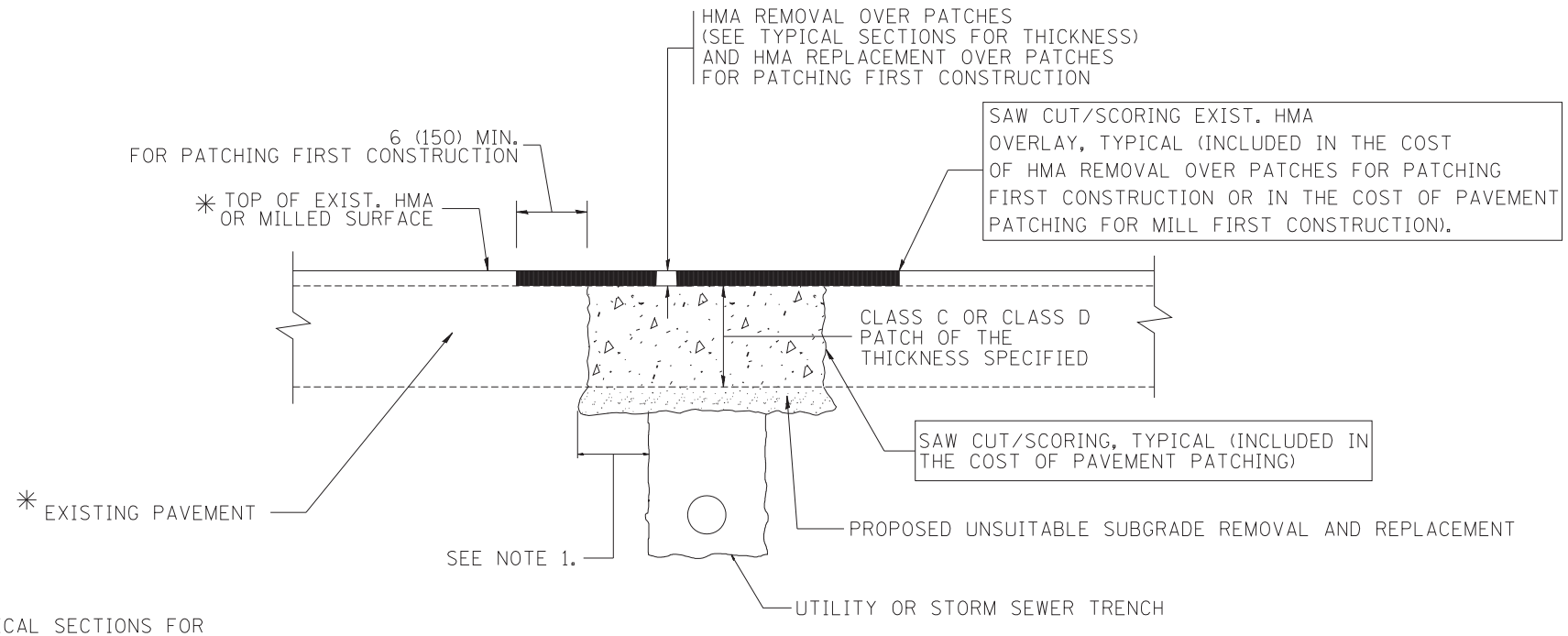
FILE NAME = c:\pw_work\pwidot\bauerdl\d0108315\bd08.dgn	USER NAME = bauerdl	DESIGNED - R. SHAH	REVISED - R. WIEDEMAN 05-14-04
		DRAWN -	REVISED - R. BORO 01-01-07
	PLOT SCALE = 1968.5000 ' / m	CHECKED -	REVISED - R. BORO 03-09-11
	PLOT DATE = 12/6/2011	DATE - 10-25-94	REVISED - R. BORO 12-06-11

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETAILS FOR
FRAMES AND LIDS ADJUSTMENT WITH MILLING

SCALE: NONE | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	BD600-03 (BD-8)	CONTRACT NO.		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



* SEE TYPICAL SECTIONS FOR THICKNESS AND MATERIALS

NOTES:

1. THE WIDTH OF THE FULL DEPTH PATCH OVER A TRENCH SHALL BE 12 (300) WIDER ON EACH SIDE OF THE TRENCH.
2. FOR METHOD OF MEASUREMENT AND BASIS OF PAYMENT, SEE RECURRING SPECIAL PROVISION "PATCHING WITH HOT-MIX ASPHALT OVERLAY REMOVAL".

SEQUENCE OF CONSTRUCTION (PATCHING FIRST)

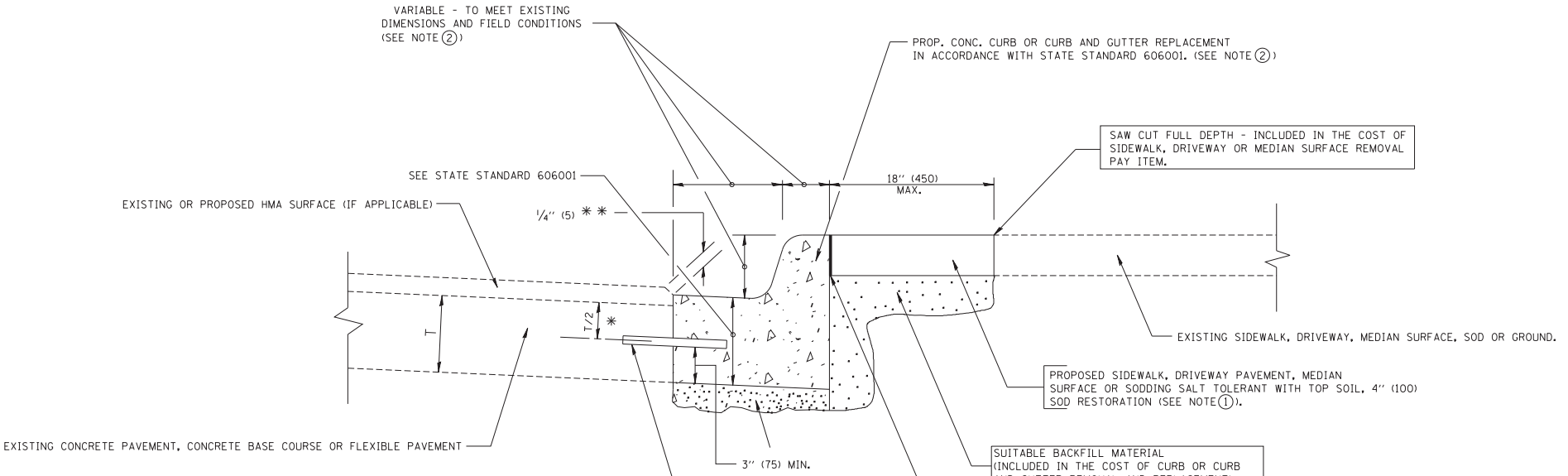
1. REMOVE THE EXISTING HMA MATERIAL OVER THE AREA TO BE PATCHED.
2. REMOVE AND REPLACE WITH CLASS C OR D PATCH.
3. REPLACE HMA MATERIAL OVER THE AREA TO BE PATCHED.

SEQUENCE OF CONSTRUCTION (MILLING FIRST)

1. MILL HMA FIRST IF THERE IS AT LEAST $4\frac{1}{2}$ INCHES OR MORE OF HMA MATERIAL ON TOP OF THE EXISTING PAVEMENT OR IF THE PAVEMENT IS FULL DEPTH HMA. A MINIMUM OF 2 INCHES OF HMA MATERIAL SHALL BE IN PLACE AFTER MILLING.
2. REMOVE AND REPLACE WITH FULL DEPTH CLASS D PATCHES TO TOP OF MILLED SURFACE.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

FILE NAME = c:\projects\diststd22x34\bd22.dgn	USER NAME = bauerdl	DESIGNED - R. SHAH	REVISED - A. ABBAS 04-27-98	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED - R. BORO 01-01-07							
	PLOT SCALE = 50.000 ' / IN.	CHECKED -	REVISED - R. BORO 09-04-07				BD400-04 (BD-22)	CONTRACT NO.		
	PLOT DATE = 10/27/2008	DATE - 10-25-94	REVISED - K. ENG 10-27-08		SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.	FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



* 3" (75) MINIMUM FROM TOP AND BOTTOM OF THE CONCRETE PAVEMENT OR BASE COURSE.

* * IF THE FINAL SURFACE OF THE PAVEMENT IS CONCRETE, THE GUTTER IS TO BE FLUSH WITH THE PAVEMENT.

NOTE: (1) SIDEWALK, DRIVEWAY PAVEMENT OR MEDIAN SURFACE SHALL BE SIMILAR TO THE MATERIAL BEING REMOVED AND WILL BE PAID FOR SEPARATELY.

SODDING, SALT TOLERANT AND TOP SOIL, FURNISH AND PLACE 4" WILL BE PAID FOR SEPARATELY.

(2) FERTILIZER FOR THE PLACEMENT OF THE SOD IS NOT REQUIRED

(3) CURB OR CURB AND GUTTER REPLACEMENT SHALL MATCH THE SHAPE OF THE EXISTING CURB OR CURB AND GUTTER UNLESS OTHERWISE SPECIFIED.

(4) FOR CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT ADJACENT TO FLEXIBLE PAVEMENT DELETE EPOXY COATED TIE BARS.

(5) LONGITUDINAL BARS, IF ENCOUNTERED IN THE EXISTING CURB OR CURB AND GUTTER, ARE NOT TO BE REPLACED. CUTTING AND REMOVING LONGITUDINAL BARS SHALL BE INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.

(6) THE COST OF HMA SURFACE REMOVAL IN THE EXISTING GUTTER FLAG SHALL BE INCLUDED IN THE COST OF THE CURB AND GUTTER REMOVAL AND REPLACEMENT.

(7) THE REMOVAL AND REPLACEMENT OF THE EXISTING CURB OR CURB AND GUTTER SHALL BE DONE IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF SECTION 440 AND 606 OF THE STANDARD SPECIFICATIONS.

(8) THE LOCATIONS OF REMOVAL AND REPLACEMENT OF EXISTING CURB OR CURB AND GUTTER SHALL BE DETERMINED BY THE RESIDENT ENGINEER AT THE TIME OF CONSTRUCTION.

BASIS OF PAYMENT:

THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER FOOT (METER) FOR "CURB REMOVAL AND REPLACEMENT" OR "COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT".

CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

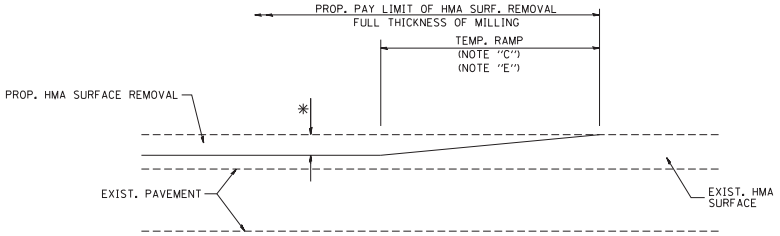
FILE NAME = c:\pw_work\pwidot\drivekosgn\d0108315\bd624.dgn	USER NAME = drivekosgn	DESIGNED - A. HOUSEH	REVISED - R. SHAH 10-03-96
		DRAWN -	REVISED - A. ABBAS 03-21-97
	PLOT SCALE = 50.000 ' / IN.	CHECKED -	REVISED - M. GOMEZ 01-22-01
	PLOT DATE = 12/15/2009	DATE - 03-11-94	REVISED - R. BORO 12-15-09

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

SCALE: NONE | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA.

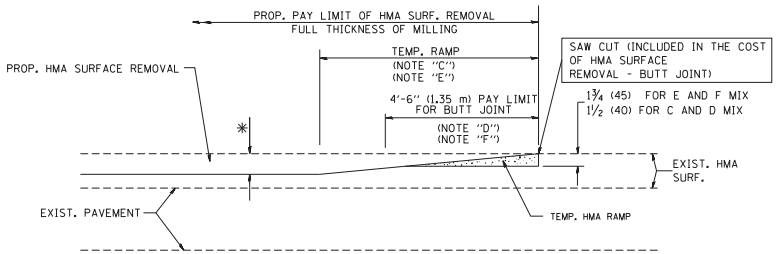
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	BD600-06 (BD-24)	CONTRACT NO.		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



MILLED TEMPORARY RAMP

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 1

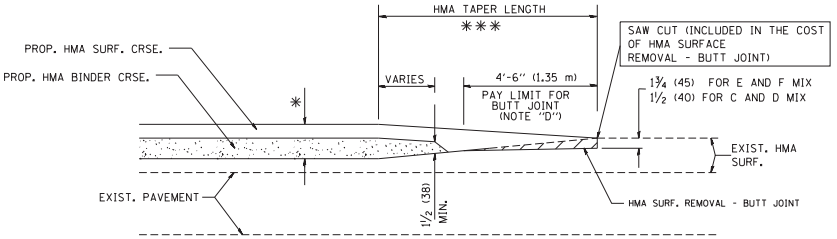


HMA CONSTRUCTED TEMPORARY RAMP

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

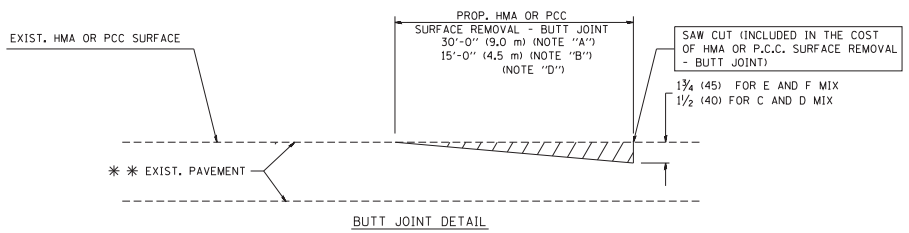
OPTION 2

TYPICAL TEMPORARY RAMP

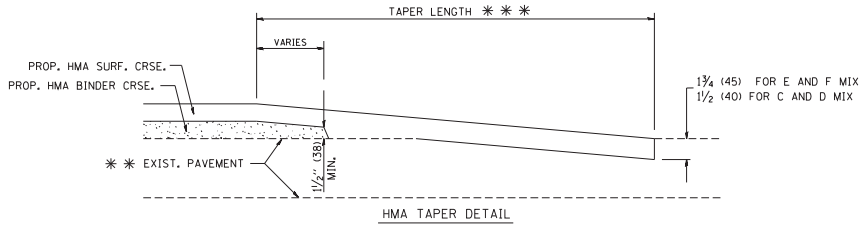


BUTT JOINT AND HMA TAPER

TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING



BUTT JOINT DETAIL



HMA TAPER DETAIL

TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY

** PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.

NOTES

A: MAINLINE ROADWAYS AND MAJOR SIDE ROADS.

B: MINOR SIDE ROADS.

C: THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.

D: THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED HMA COURSES.

E: TAPER THE TEMP. RAMP AT A RATE OF 3'-0" (900 mm) PER 1 INCH (25 mm) OF MILLING THICKNESS.

F: INSTALLATION AND REMOVAL OF THE 4'-6" (1.35 m) TEMP. RAMP IS INCLUDED IN COST OF HMA SURFACE REMOVAL - BUTT JOINT

G: SEE ARTICLE 406.08 AND 406.14 OF THE STANDARD SPECIFICATIONS FOR "HMA AND/OR PCC SURFACE REMOVAL, BUTT JOINT".

* SEE TYPICAL SECTIONS FOR MILLING THICKNESS.

*** 20'-0" (6.1 m) PER 1 (25) RESURFACING (NOTE "A")
10'-0" (3.0 m) PER 1 (25) RESURFACING (NOTE "B")

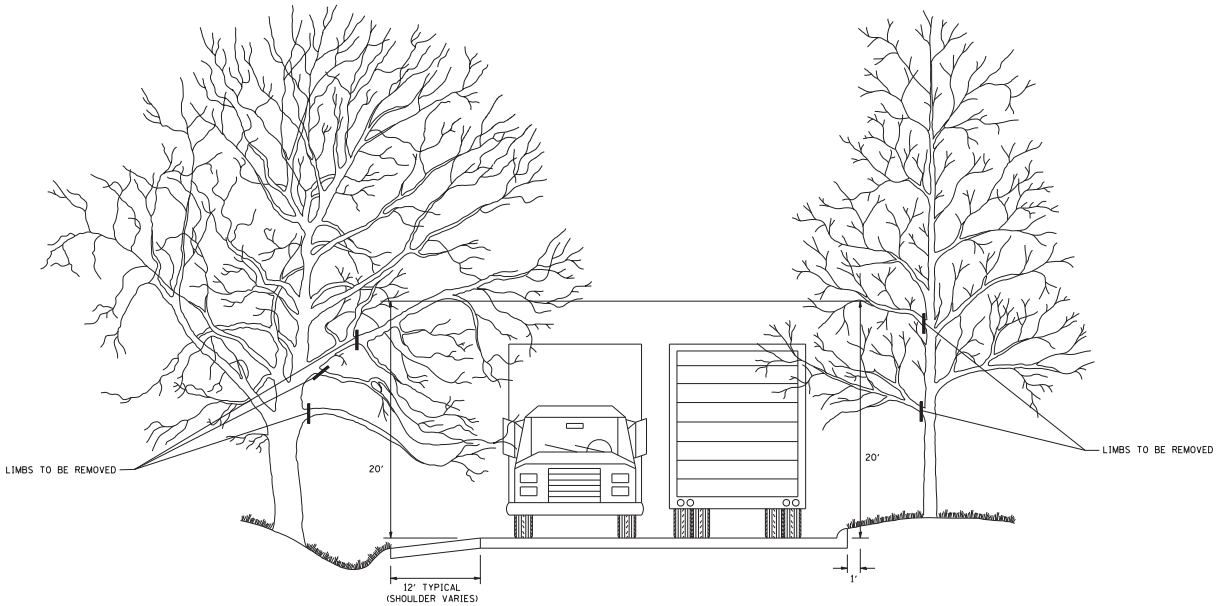
BASIS OF PAYMENT:

THE BUTT JOINT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD (SQUARE METER) FOR "HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT" OR FOR "PORTLAND CEMENT CONCRETE SURFACE REMOVAL- BUTT JOINT".

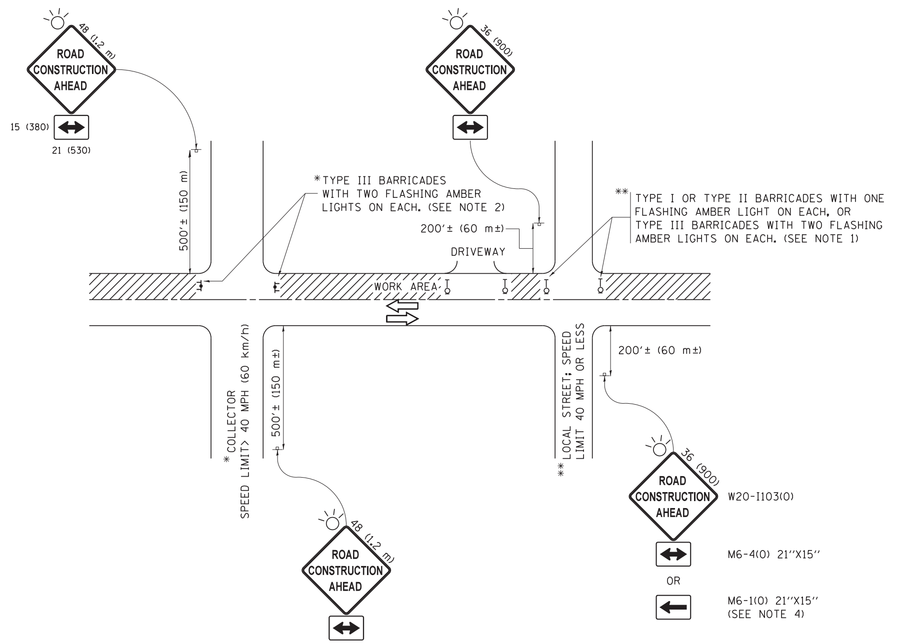
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

FILE NAME = W:\diststd\22x34\bd32.dgn	USER NAME = gaglianobt	DESIGNED - M. DE YONG	REVISED - R. SHAH 10-25-94	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BUTT JOINT AND HMA TAPER DETAILS
		DRAWN -	REVISED - A. ABBAS 03-21-97		
	PLOT SCALE = 50.0000 ' / IN.	CHECKED -	REVISED - M. GOMEZ 04-06-01		
	PLOT DATE = 1/4/2008	DATE - 06-13-90	REVISED - R. BORO 01-01-07		SCALE: NONE / SHEET NO. 1 OF 1 SHEETS / STA. / TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	BD400-05 BD32	CONTRACT NO.		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



FILE NAME = W:\diststd\22x34\bm20.dgn	USER NAME = gaglianobt	DESIGNED -	REVISED - R. BORO 10-31-06	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**	**PRUNING FOR SAFETY AND EQUIPMENT CLEARANCE**			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -									
	PLOT SCALE = 50.000 '/ IN.	CHECKED -	REVISED -						BM-20	CONTRACT NO.		
	PLOT DATE = 1/4/2008	DATE -	REVISED -		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.		FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	



NOTES:

1. SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:

   a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 36 x 36 (900x900) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.

   b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.

2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:

   a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.

   b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.

3. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.

4. WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).

5. WHEN WORK IS BEING PERFORMED ON A SIDE ROAD OR DRIVEWAY, FOLLOW THE APPLICABLE STANDARD(S). THE DIRECTIONAL ARROW (M6-1 OR M6-4) SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE TRAFFIC CONTROL SET-UP.

6. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAYS UNLESS OTHERWISE SPECIFIED IN THE PLANS OR BY THE ENGINEER.

7. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

All dimensions are in inches (millimeters) unless otherwise shown.

FILE NAME = pw:\\IL084EBIDINTEG.illinois.gov:PWIDOT\Documents\IDOT Offices\District 1\Projects\Dist... \CADData\CADsheets\tc10.dgn	USER NAME = footemj	DESIGNED - L.H.A.	REVISED - A. HOUSEH 10-15-96
		DRAWN -	REVISED - T. RAMMACHER 01-06-00
	PLOT SCALE = 50.000 '/ in.	CHECKED -	REVISED - A. SCHUETZE 07-01-13
Default	PLOT DATE = 9/15/2016	DATE - 06-89	REVISED - A. SCHUETZE 09-15-16

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

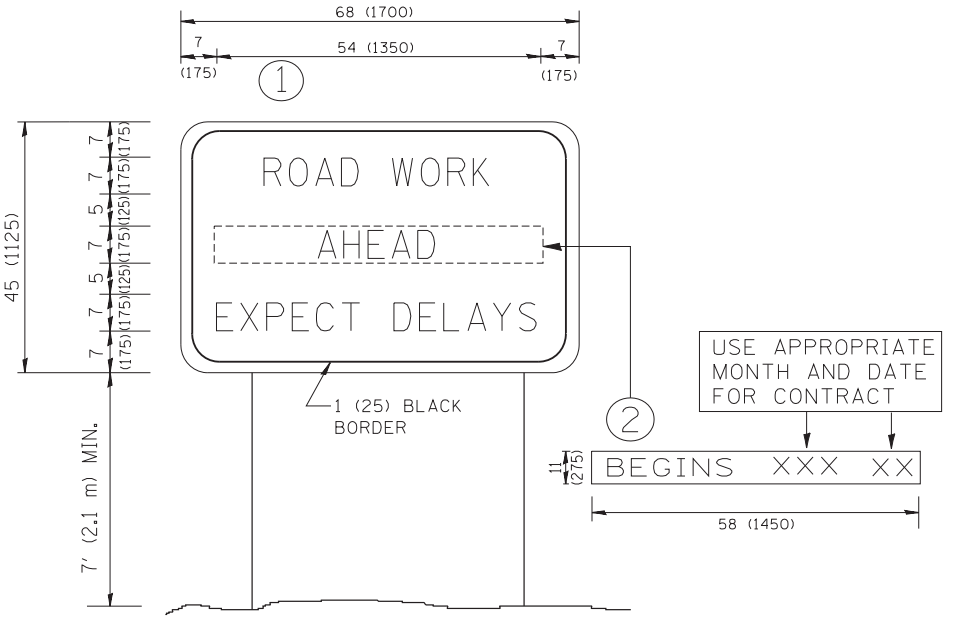
TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS

SCALE: NONE | SHEET 1 OF 1 SHEETS | STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.

TC-10 | CONTRACT NO.

ILLINOIS FED. AID PROJECT



NOTES:

1. USE BLACK LETTERING ON ORANGE BACKGROUND.
2. ERECT SIGNS IN ADVANCE OF THE LOCATION FOR THE "ROAD CONSTRUCTION AHEAD" SIGN AT LOCATIONS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN (1) WITH INSTALLED PANEL (2) ONE WEEK PRIOR TO THE START OF CONSTRUCTION.
4. REMOVE PANEL (2) SOON AFTER THE START OF CONSTRUCTION.
5. SEE SPECIAL PROVISION FOR "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
6. ONE SIGN ASSEMBLY EQUALS 25.70 SQ. FT. (2.3 SQ. M.)
7. SHALL BE PAID FOR AS TEMPORARY INFORMATION SIGNING.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

FILE NAME = W:\diststd\22x34\tc22.dgn	USER NAME = gaglianobt	DESIGNED -	REVISED - R. MIRS 09-15-97	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ARTERIAL ROAD INFORMATION SIGN		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED - R. MIRS 12-11-97								
	PLOT SCALE = 50.000 '/ IN.	CHECKED -	REVISED -T. RAMMACHER 02-02-99					TC-22	CONTRACT NO.		
	PLOT DATE = 1/4/2008	DATE -	REVISED - C. JUCIUS 01-31-07		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS STA. TO STA.	FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

ABV	ABOVE
A/C	ACCESS CONTROL
AC	ACRE
ADJ	ADJUST
AS	AERIAL SURVEYS
AGG	AGGREGATE
AH	AHEAD
APT	APARTMENT
ASPH	ASPHALT
AUX	AUXILIARY
AGS	AUXILIARY GAS VALVE (SERVICE)
AVE	AVENUE
AX	AXIS OF ROTATION
BK	BACK
B-B	BACK TO BACK
BKPL	BACKPLATE
B	BARN
BARR	BARRICADE
BGN	BEGIN
BM	BENCHMARK
BIND	BINDER
BIT	BITUMINOUS
BTM	BOTTOM
BLVD	BOULEVARD
BRK	BRICK
BBOX	BUFFALO BOX
BLDG	BUILDING
CIP	CAST IRON PIPE
CB	CATCH BASIN
C-C	CENTER TO CENTER
CL	CENTERLINE OR CLEARANCE
CL-E	CENTERLINE TO EDGE
CL-F	CENTERLINE TO FACE
CTS	CENTERS
CERT	CERTIFIED
CHSLD	CHISELED
CS	CITY STREET
CP	CLAY PIPE
CLSD	CLOSED
CLID	CLOSED LID
CT	COAT OR COURT
COMB	COMBINATION
C	COMMERCIAL BUILDING
CE	COMMERCIAL ENTRANCE
CONC	CONCRETE
CONST	CONSTRUCT
CONTD	CONTINUED
CONT	CONTINUOUS
COR	CORNER
CORR	CORRUGATED
CMP	CORRUGATED METAL PIPE
CNTY	COUNTY
CH	COUNTY HIGHWAY
CSE	COURSE
XSECT	CROSS SECTION
m^3	CUBIC METER
mm^3	CUBIC MILLIMETER
CU YD	CUBIC YARD
CULV	CULVERT
C&G	CURB & GUTTER
D	DEGREE OF CURVE
DC	DEPRESSED CURVE
DET	DETECTOR
DIA	DIAMETER
DIST	DISTRICT
DOM	DOMESTIC
DBL	DOUBLE
DSEL	DOWNSTREAM ELEVATION
DSFL	DOWNSTREAM FLOWLINE
DR	DRAINAGE OR DRIVE
DI	DRAINAGE INLET OR DROP INLET
DRV	DRIVEWAY
DCT	DUCT
EA	EACH
EB	EASTBOUND
EOP	EDGE OF PAVEMENT
E-CL	EDGE TO CENTERLINE
E-E	EDGE TO EDGE
EL	ELEVATION
ENTR	ENTRANCE
EXC	EXCAVATION
EX	EXISTING
EXPWAY	EXPRESSWAY
E	EXTERNAL DISTANCE OF HORIZONTAL CURVE
E	OFFSET DISTANCE TO VERTICAL CURVE
F-F	FACE TO FACE
FA	FEDERAL AID
FAI	FEDERAL AID INTERSTATE
FAP	FEDERAL AID PRIMARY
FAS	FEDERAL AID SECONDARY
FAUS	FEDERAL AID URBAN SECONDARY
FP	FENCE POST
FE	FIELD ENTRANCE
FH	FIRE HYDRANT
FL	FLOW LINE
FB	FOOT BRIDGE
FDN	FOUNDATION
FR	FRAME
F&G	FRAME & GRATE
FRWAY	FREEWAY
GAL	GALLON
GALV	GALVANIZED
G	GARAGE
GM	GAS METER
GV	GAS VALVE
GRAN	GRANULAR
GR	GRATE
GRVL	GRAVEL
GND	GROUND
GUT	GUTTER
GP	GUY POLE
GW	GUY WIRE
HH	HANDHOLE
HATCH	HATCHING
HD	HEAD
HDW	HEADWALL
HDUTY	HEAVY DUTY
ha	HECTARE
HMA	HOT MIX ASPHALT
HWY	HIGHWAY
HORIZ	HORIZONTAL
HSE	HOUSE
IL	ILLINOIS
IMP	IMPROVEMENT
IN DIA	INCH DIAMETER
INL	INLET
INST	INSTALLATION
IDS	INTERSECTION DESIGN STUDY
INV	INVERT
IP	IRON PIPE
IR	IRON ROD
JT	JOINT
kg	KILOGRAM
km	KILOMETER
LS	LANDSCAPING
LN	LANE
LT	LEFT
LP	LIGHT POLE
LGT	LIGHTING
LF	LINEAL FEET OR LINEAR FEET
L	LITER OR CURVE LENGTH
LC	LONG CHORD
LNG	LONGITUDINAL
L SUM	LUMP SUM
MACH	MACHINE
MB	MAIL BOX
MH	MANHOLE
MATL	MATERIAL
MED	MEDIAN
m	METER
METH	METHOD
M	MID-ORDINATE
mm	MILLIMETER
mm DIA	MILLIMETER DIAMETER
MIX	MIXTURE
MBH	MOBILE HOME
MOD	MODIFIED
MFT	MOTOR FUEL TAX
N & BC	NAIL & BOTTLE CAP
N & C	NAIL & CAP
N & W	NAIL & WASHER
NOAA	NATIONAL OCEANIC ATMOSPHERIC ADMINISTRATION
NC	NORMAL CROWN
NB	NORTHBOUND
NE	NORTHEAST
NW	NORTHWEST
OLID	OPEN LID
PAT	PATTERN
PVD	PAVED
PVMT	PAVEMENT
PM	PAVEMENT MARKING
PED	PEDESTAL
PNT	POINT
PC	POINT OF CURVATURE
PI	POINT OF INTERSECTION OF HORIZONTAL CURVE
PRC	POINT OF REVERSE CURVE
PT	POINT OF TANGENCY
POT	POINT ON TANGENT
POLYETH	POLYETHYLENE
PCC	PORTLAND CEMENT CONCRETE
PP	POWER POLE OR PRINCIPAL POINT
PRM	PRIME
PE	PRIVATE ENTRANCE
PROF	PROFILE
PGL	PROFILE GRADELINE
PROJ	PROJECT
P.C.	PROPERTY CORNER
PL	PROPERTY LINE
PR	PROPOSED
R	RADIUS
RR	RAILROAD
RRS	RAILROAD SPIKE
RPS	REFERENCE POINT STAKE
REF	REFLECTIVE
RCCP	REINFORCED CONCRETE CULVERT PIPE
REINF	REINFORCEMENT
REM	REMOVAL
RC	REMOVE CROWN
REP	REPLACEMENT
REST	RESTAURANT
RESURF	RESURFACING
RET	RETAINING
RT	RIGHT
ROW	RIGHT-OF-WAY
RD	ROAD
RDWY	ROADWAY
RTE	ROUTE
SAN	SANITARY
SANS	SANITARY SEWER
SEC	SECTION
SEED	SEEDING
SHAP	SHAPING
S	SHED
SH	SHEET
SHLD	SHOULDER
SW	SIDEWALK OR SOUTHWEST
SIG	SIGNAL
SOD	SODDING
SM	SOLID MEDIAN
SB	SOUTHBOUND
SE	SOUTHEAST
SPL	SPECIAL
SD	SPECIAL DITCH
SQ FT	SQUARE FEET
m^2	SQUARE METER
mm^2	SQUARE MILLIMETER
SQ YD	SQUARE YARD
STB	STABILIZED
STD	STANDARD
SBI	STATE BOND ISSUE
SR	STATE ROUTE
STA	STATION
SPBGR	STEEL PLATE BEAM GUARDRAIL
SS	STORM SEWER
STY	STORY
ST	STREET
STR	STRUCTURE
e	SUPERELEVATION RATE
S.E. RUN.	SUPERELEVATION RUNOFF LENGTH
SURF	SURFACE
SMK	SURVEY MARKER
T	TANGENT DISTANCE
T.R.	TANGENT RUNOUT DISTANCE
TEL	TELEPHONE
TB	TELEPHONE BOX
TP	TELEPHONE POLE
TEMP	TEMPORARY
TBM	TEMPORARY BENCH MARK
TD	TILE DRAIN
TBE	TO BE EXTENDED
TBR	TO BE REMOVED
TBS	TO BE SAVED
TWP	TOWNSHIP
TR	TOWNSHIP ROAD
TS	TRAFFIC SIGNAL
TSCB	TRAFFIC SIGNAL CONTROL BOX
TSC	TRAFFIC SYSTEMS CENTER
TRVS	TRANSVERSE
TRVL	TRAVEL
TRN	TURN
TY	TYPE
T-A	TYPE A
TYP	TYPICAL
UNDGND	UNDERGROUND
USGS	U.S. GEOLOGICAL SURVEY
USEL	UPSTREAM ELEVATION
USFL	UPSTREAM FLOWLINE
UTIL	UTILITY
VBOX	VALVE BOX
VV	VALVE VAULT
VLT	VAULT
VEH	VEHICLE
VP	VENT PIPE
VERT	VERTICAL
VC	VERTICAL CURVE
VPC	VERTICAL POINT OF CURVATURE
VPI	VERTICAL POINT OF INTERSECTION
VPT	VERTICAL POINT OF TANGENCY
WM	WATER METER
WV	WATER VALVE
WMAIN	WATER MAIN
WB	WESTBOUND
WILDFL	WILDFLOWERS
W	WITH
WO	WITHOUT

Illinois Department of Transportation

PASSED January 1, 2019
ENGINEER OF POLICY AND PROCEDURES

APPROVED January 1, 2019
ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-07

DATE	REVISIONS
1-1-19	Added new symbols.
1-1-11	Updated abbreviations
	and symbols.

STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS

STANDARD 000001-07

ADJUSTMENT ITEMS

	EX	PR
Structure To Be Adjusted		ADJ
Structure To Be Cleaned		C
Main Structure To Be Filled		FM
Structure To Be Filled		F
Structure To Be Filled Special		FSP
Structure To Be Removed		R
Structure To Be Reconstructed		REC
Structure To Be Reconstructed Special		RSP
Frame and Grate To Be Adjusted		A
Frame and Lid To Be Adjusted		A
Domestic Service Box To Be Adjusted		A
Valve Vault To Be Adjusted		A
Special Adjustment		SP
Item To Be Abandoned		AB
Item To Be Moved		M
Item To Be Relocated		REL
Pavement Removal and Replacement		

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ALIGNMENT ITEMS

	EX	PR
Baseline		
Centerline		
Centerline Break Circle		
Baseline Symbol		
Centerline Symbol		
PI Indicator		
Point Indicator		
Horizontal Curve Data (Half Size)	CURVE P.I. STA= Δ= D= R= T= L= E= e= T.R.= S.E. RUN= P.C. STA= P.T. STA=	CURVE P.I. STA= Δ= D= R= T= L= E= e= T.R.= S.E. RUN= P.C. STA= P.T. STA=

BOUNDARIES ITEMS

	EX	PR
Dashed Property Line		
Solid Property/Lot Line		
Section/Grant Line		
Quarter Section Line		
Quarter/Quarter Section Line		
County/Township Line		
State Line		
Iron Pipe Found		
Iron Pipe Set		
Survey Marker		
Property Line Symbol		
Same Ownership Symbol (Half Size)		
Northwest Quarter Corner (Half Size)		
Section Corner (Half Size)		
Southeast Quarter Corner (Half Size)		

DRAINAGE ITEMS

	EX	PR
Channel or Stream Line		
Culvert Line		
Grading & Shaping Ditches		
Drainage Boundary Line		
Paved Ditch		
Aggregate Ditch		
Pipe Underdrain		
Storm Sewer		
Flowline		
Ditch Check		
Headwall		
Inlet		
Manhole		
Summit		
Roadway Ditch Flow		
Swale		
Catch Basin		
Culvert End Section		
Water Surface Indicator		
Riprap		

HYDRAULICS ITEMS

	EX	PR
Overflow		
Sheet Flow		
Hydrant Outlet		

STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS

(Sheet 2 of 9)

STANDARD 000001-07

EROSION & SEDIMENT CONTROL ITEMS

	EX	PR
Cleaning & Grading Limits		
Dike		
Erosion Control Fence		
Perimeter Erosion Barrier		
Temporary Fence		
Ditch Check Temporary		
Ditch Check Permanent		
Inlet & Pipe Protection		
Sediment Basin		
Erosion Control Blanket		
Fabric Formed Concrete Revetment Mat		
Turf Reinforcement Mat		
Mulch Temporary		
Mulch Method 1		
Mulch Method 2 Stabilized		
Mulch Method 3 Hydraulic		

CONTOUR ITEMS

	EX	PR
Approx. Index Line		
Approx. Intermediate Line		
Index Contour		
Intermediate Contour		

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NON-HIGHWAY IMPROVEMENT ITEMS

	EX	PR
Noise Attn./Levee		
Field Line		
Fence		
Base of Levee		
Mailbox		
Multiple Mailboxes		
Pay Telephone		
Advertising Sign		
ITS* Camera		
Wind Turbine		
Cellular Tower		

*Intelligent Transportation Systems

LANDSCAPING ITEMS

	EX	PR
Contour Mounding Line		
Fence		
Fence Post		
Shrubs		
Mowline		
Perennial Plants		
Seeding Class 2		
Seeding Class 2A		
Seeding Class 4		
Seeding Class 4 & 5 Combined		

EXISTING LANDSCAPING ITEMS (contd.)

	EX	PR
Seeding Class 5		
Seeding Class 7		
Seedlings Type 1		
Seedlings Type 2		
Sodding		
Mowstake w/Sign		
Tree Trunk Protection		
Evergreen Tree	E	
Shade Tree	E	

LIGHTING

	EX	PR
Duct		
Conduit		
Electrical Aerial Cable	A	A
Electrical Buried Cable	L	L
Controller		
Underpass Luminaire		
Power Pole		

STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS

(Sheet 3 of 9)

STANDARD 000001-07

LIGHTING (contd.)

	EX	PR
Pull Point	Ⓟ	Ⓟ
Handhole	▧	◪
Heavy Duty Handhole	[H]	[H]
Junction Box	ⓙ	ⓙ
Light Unit Comb.		
Electrical Ground		
Traffic Flow Arrow		
High Mast Pole (Half Size)		
Light Unit-1		

PAVEMENT (MISC.)

	EX	PR
Keyed Long. Joint		
Keyed Long. Joint w/Tie Bars		
Sawed Long. Joint w/Tie Bars		
Bituminous Shoulder		
Bituminous Taper		
Stabilized Driveway		
Widening		

PAVEMENT MARKINGS

	EX	PR
Handicap Symbol		
RR Crossing		
Raised Marker Amber 1 Way		
Raised Marker Amber 2 Way		
Raised Marker Crystal 1 Way		
Two Way Turn Left		
Shoulder Diag. Pattern		
Skip-Dash White		
Skip-Dash Yellow		
Stop Line		
Solid Line		
Double Centerline		
Dotted Lines		

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STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS

STANDARD 000001-07

PAVEMENT MARKINGS (contd.)

	EX	PR
CL 2Ln 2Way RRPM 12.2 m (40') o.c.		
CL 2Ln 2Way RRPM 80' (24.4 m) o.c.		
CL Multilane Div. RRPM 40' (12.2 m) o.c.		
CL Multilane Div. RRPM 80' (24.4 m) o.c.		
CL Multilane Div. Dbl. RRPM 80' (24.4 m) o.c.		
CL Multilane Undiv.		
Two Way Turn Left Line		
Urban Combination Left		
Urban Combination Right		
Urban Left Turn Arrow		
Urban Right Turn Arrow		
Urban Left Turn Only		
Urban Right Turn Only		
Urban Thru Only		

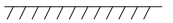
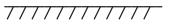
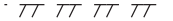
RAILROAD ITEMS

	EX	PR
Abandoned Railroad		
Railroad		
Railroad Point		
Control Box		
Crossing Gate		
Flashing Signal		
Railroad Cant. Mast Arm		
Crossbuck		

REMOVAL ITEMS

	EX	PR
Removal Tlc		
Bituminous Removal		
Hatch Pattern		
Tree Removal Single		

RIGHT OF WAY ITEMS

	EX	PR
Future ROW Corner Monument		
ROW Marker		
ROW LIne		
Easement		
Temporary Easement		

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STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS

(Sheet 5 of 9)

STANDARD 000001-07

PAVEMENT MARKINGS (contd.)

	EX	PR
Urban U-Turn		
Urban Combined U-Turn		
Rural Combination Left		
Rural Combination Right		
Rural Left Turn Arrow		
Rural Right Turn Arrow		
Rural Left Turn Only		
Rural Right Turn Only		
Rural Thru Only		
Bike Lane Symbol		
Bike Lane Text		
Bike Path Shared		
Bike Shared Roadway		

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STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS

(Sheet 6 of 9)

STANDARD 000001-07

RIGHT OF WAY ITEMS (contd.)

	EX	PR
Access Control Line		AC
Access Control Line & ROW	AC	AC
Access Control Line & ROW with Fence	AC	AC
Excess ROW Line		XS

ROADWAY PLAN ITEMS

	EX	PR
Cable Barrier		
Concrete Barrier		
Edge of Pavement		
Bit Shoulders, Medians and C&G Line		
Aggregate Shoulder		
Sidewalks, Driveways		
Guardrail		
Guardrail Post		
Traffic Sign		
Corrugated Median		
Impact Attenuator		
North Arrow with District Office (Half Size)	N	
Match Line		STA. 45+00
Slope Limit Line		
Typical Cross-Section Line		

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ROADWAY PROFILES

	EX	PR
P.I. Indicator		
Point Indicator		
Earthworks Balance Point		
Begin Point		
Vert. Curve Data	VPI = ELEV= L = E =	VPI = ELEV= L = E =
Ditch Profile Left Side		
Ditch Profile Right Side		
Roadway Profile Line		
Storm Sewer Profile Left Side		
Storm Sewer Profile Right Side		

SIGNING ITEMS

	EX	PR
Cone, Drum or Barricade		
Barricade Type II		
Barricade Type III		
Barricade With Edge Line		
Flashing Light Sign		
Panels I		
Panels II		
Direction of Traffic		
Sign Flag (Half Size)		

SIGNING ITEMS (contd.)

	EX	PR
Reverse Left W1-4L (Half Size)		
Reverse Right W1-4R (Half Size)		
Two Way Traffic Sign W6-3 (Half Size)		
Detour Ahead W20-2(O) (Half Size)		DETOUR AHEAD
Left Lane Closed Ahead W20-5L(O) (Half Size)		LEFT LANE CLOSED AHEAD
Right Lane Closed Ahead W20-5R(O) (Half Size)		RIGHT LANE CLOSED AHEAD
Road Closed Ahead W20-3(O) (Half Size)		ROAD CLOSED AHEAD
Road Construction Ahead W20-1-(O) (Half Size)		ROAD CONSTRUCTION AHEAD
Single Lane Ahead (Half Size)		SINGLE LANE AHEAD
Transition Left W4-2L (Half Size)		
Transition Right W4-2R (Half Size)		

STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS

(Sheet 7 of 9)

STANDARD 000001-07

SIGNING ITEMS (contd.)

	EX	PR
One Way Arrow Lrg. W1-6-(O) (Half Size)		
Two Way Arrow Large W1-7-(O) (Half Size)		
Detour M4-10L-(O) (Half Size)		DETOUR
Detour M4-10R-(O) (Half Size)		DETOUR
One Way Left R6-1L (Half Size)		ONE WAY
One Way RIght R6-1R (Half Size)		ONE WAY
Left Turn Lane R3-I100L (Half Size)		LEFT TURN LANE
Keep Left R4-7AL (Half Size)		KEEP LEFT
Keep Left R4-7BL (Half Size)		KEEP LEFT
Keep RIght R4-7AR (Half Size)		KEEP RIGHT
Keep RIght R4-7BR (Half Size)		KEEP RIGHT
Stop Here On Red R10-6-AL (Half Size)		STOP HERE ON RED
Stop Here On Red R10-6-AR (Half Size)		STOP HERE ON RED
No Left Turn R3-2 (Half Size)		
No Right Turn R3-1 (Half Size)		
Road Closed R11-2 (Half Size)		ROAD CLOSED
Road Closed Thru Traffic R11-2 (Half Size)		ROAD CLOSED TO THRU TRAFFIC

STRUCTURES ITEMS

	EX	PR
Box Culvert Barrel		
Box Culvert Headwall		
Bridge Pier		
Bridge		
Retaining Wall		
Temporary Sheet Piling		

TRAFFIC SHEET ITEMS

	EX	PR
Cable Number		
Left Turn Green	G	G
Left Turn Yellow	Y	Y
Signal Backplate		
Signal Section 8" (200 mm)		
Signal Section 12" (300 mm)		
Walk/Don't Walk Letters	DW W	DW W
Walk/Don't Walk Symbols		

TRAFFIC SIGNAL ITEMS

	EX	PR
Galv. Steel Conduit		
Underground Cable		
Detector Loop Line		
Detector Loop Large		
Detector Loop Small		
Detector Loop Quadrapole		

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STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS

STANDARD 000001-07

TRAFFIC SIGNAL ITEMS (contd.)

	EX	PR
Detector Raceway		
Aluminum Mast Arm		
Steel Mast Arm		
Veh. Detector Magnetic		
Conduit Splice		
Controller		
Gulfbox Junction		
Wood Pole		
Temp. Signal Head		
Handhole		
Double Handhole		
Heavy Duty Handhole		
Junction Box		
Ped. Pushbutton Detector		
Ped. Signal Head		
Power Pole Service		
Priority Veh. Detector		
Signal Head		
Signal Head w/Backplate		
Signal Post		
Closed Circuit TV		
Video Detector System		

UNDERGROUND UTILITY ITEMS

	EX	PR	ABANDONED
Cable TV			
Electric Cable			
Fiber Optic			
Gas Pipe			
Oil Pipe			
Sanitary Sewer			
Telephone Cable			
Water Pipe			

UTILITIES ITEMS

	EX	PR
Controller		
Double Handhole		
Fire Hydrant		
GuyWire or Deadman Anchor		
Handhole		
Heavy Duty Handhole		
Junction Box		
Light Pole		
Manhole		
Monitoring Well (Gasoline)		
Pipeline Warning Sign		
Power Pole		
Power Pole with Light		
Sanitary Sewer Cleanout		
Splice Box Above Ground		
Telephone Splice Box Above Ground		
Telephone Pole		

UTILITY ITEMS (contd.)

	EX	PR
Traffic Signal		
Traffic Signal Control Box		
Water Meter		
Water Meter Valve Box		
Profile Line		
Aerial Power Line		

VEGETATION ITEMS

	EX	PR
Deciduous Tree		
Bush or Shrub		
Evergreen Tree		
Stump		
Orchard/Nursery Line		
Vegetation Line		
Woods & Bush Line		

WATER FEATURE ITEMS

	EX	PR
Stream or Drainage Ditch		
Waters Edge		
Water Surface Indicator		
Water Point		
Disappearing Ditch		
Marsh		
Marsh/Swamp Boundary		

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STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS

(Sheet 9 of 9)

STANDARD 000001-07

DECIMAL OF AN INCH AND OF A FOOT

A		B
	0.0052	1/16
	0.0104	1/8
1/64	0.015625	3/16
	0.0208	1/4
	0.0260	5/16
1/32	0.03125	3/8
	0.0365	7/16
	0.0417	1/2
3/64	0.046875	9/16
	0.0521	5/8
	0.0573	11/16
1/16	0.0625	3/4
	0.0677	13/16
	0.0729	7/8
5/64	0.078125	15/16
	0.0833	1
	0.0885	1 1/16
3/32	0.09375	1 1/8
	0.0990	1 3/16
	0.1042	1 1/4
7/64	0.109375	1 5/16
	0.1146	1 3/8
	0.1198	1 7/16
1/8	0.1250	1 1/2
	0.1302	1 9/16
	0.1354	1 5/8
9/64	0.140625	1 11/16
	0.1458	1 3/4
	0.1510	1 13/16
5/32	0.15625	1 7/8
	0.1615	1 15/16
	0.1667	2
11/64	0.171875	2 1/16
	0.1771	2 1/8
	0.1823	2 3/16
3/16	0.1875	2 1/4
	0.1927	2 5/16
	0.1979	2 3/8
13/64	0.203125	2 7/16
	0.2083	2 1/2
	0.2135	2 9/16
7/32	0.21875	2 5/8
	0.2240	2 11/16
	0.2292	2 3/4
15/64	0.234375	2 13/16
	0.2396	2 7/8
	0.2448	2 15/16
1/4	0.2500	3
	0.2552	3 1/16
	0.2604	3 1/8
17/64	0.265625	3 3/16
	0.2708	3 1/4
	0.2760	3 5/16
9/32	0.28125	3 3/8
	0.2865	3 7/16
	0.2917	3 1/2
19/64	0.296875	3 9/16
	0.3021	3 5/8
	0.3073	3 11/16
5/16	0.3125	3 3/4
	0.3177	3 13/16
	0.3229	3 7/8
21/64	0.328125	3 15/16
	0.3333	4
	0.3385	4 1/16
1 1/32	0.34375	4 1/8
	0.3490	4 3/16
	0.3542	4 1/4
23/64	0.359375	4 5/16
	0.3646	4 3/8
	0.3698	4 7/16
3/8	0.3750	4 1/2
	0.3802	4 9/16
	0.3854	4 5/8
25/64	0.390625	4 11/16
	0.3958	4 3/4
	0.4010	4 13/16
1 3/32	0.40625	4 7/8
	0.4115	4 15/16
	0.4167	5
27/64	0.421875	5 1/16
	0.4271	5 1/8
	0.4323	5 3/16
7/16	0.4375	5 1/4
	0.4427	5 5/16
	0.4479	5 3/8
29/64	0.453125	5 7/16
	0.4583	5 1/2
	0.4635	5 9/16
15/32	0.46875	5 5/8
	0.4740	5 11/16
	0.4792	5 3/4
31/64	0.484375	5 13/16
	0.4896	5 7/8
	0.4948	5 15/16
1/2	0.5000	6
	0.5052	6 1/16
33/64	0.515625	6 3/16
	0.5208	6 1/4
	0.5260	6 5/16
17/32	0.53125	6 3/8
	0.5365	6 7/16
	0.5417	6 1/2
35/64	0.546875	6 9/16
	0.5521	6 5/8
	0.5573	6 11/16
9/16	0.5625	6 3/4
	0.5677	6 13/16
	0.5729	6 7/8
37/64	0.578125	6 15/16
	0.5833	7
	0.5885	7 1/16
19/32	0.59375	7 1/8
	0.5990	7 3/16
	0.6042	7 1/4
39/64	0.609375	7 5/16
	0.6146	7 3/8
	0.6198	7 7/16
5/8	0.6250	7 1/2
	0.6302	7 9/16
41/64	0.6354	7 5/8
	0.640625	7 11/16
	0.6458	7 3/4
	0.6510	7 13/16
21/32	0.65625	7 7/8
	0.6615	7 15/16
	0.6667	8
43/64	0.671875	8 1/16
	0.6771	8 1/8
	0.6823	8 3/16
11/16	0.6875	8 1/4
	0.6927	8 5/16
	0.6979	8 3/8
45/64	0.703125	8 7/16
	0.7083	8 1/2
	0.7135	8 9/16
23/32	0.71875	8 5/8
	0.7240	8 11/16
	0.7292	8 3/4
47/64	0.734375	8 13/16
	0.7396	8 7/8
	0.7448	8 15/16
3/4	0.7500	9
	0.7552	9 1/16
	0.7604	9 1/8
49/64	0.765625	9 3/16
	0.7708	9 1/4
	0.7760	9 5/16
25/32	0.78125	9 3/8
	0.7865	9 7/16
	0.7917	9 1/2
51/64	0.796875	9 9/16
	0.8021	9 5/8
	0.8073	9 11/16
13/16	0.8125	9 3/4
	0.8177	9 13/16
	0.8229	9 7/8
53/64	0.828125	9 15/16
	0.8333	10
	0.8385	10 1/16
27/32	0.84375	10 1/8
	0.8490	10 3/16
	0.8542	10 1/4
55/64	0.859375	10 5/16
	0.8646	10 3/8
	0.8698	10 7/16
7/8	0.8750	10 1/2
	0.8802	10 9/16
	0.8854	10 5/8
57/64	0.890625	10 11/16
	0.8958	10 3/4
	0.9010	10 13/16
29/32	0.90625	10 7/8
	0.9115	10 15/16
	0.9167	11
59/64	0.921875	11 1/16
	0.9271	11 1/8
	0.9323	11 3/16
15/16	0.9375	11 1/4
	0.9427	11 5/16
	0.9479	11 3/8
61/64	0.953125	11 7/16
	0.9583	11 1/2
	0.9635	11 9/16
31/32	0.96875	11 5/8
	0.9740	11 11/16
	0.9792	11 3/4
63/64	0.984375	11 13/16
	0.9896	11 7/8
	0.9948	11 15/16
1	1.0000	12

A = Fractions of Inch or Foot

B = Inch Equivalents to Foot Fractions

Illinois Department of Transportation

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ENGINEER OF POLICY AND PROCEDURES

APPROVED January 1, 1997
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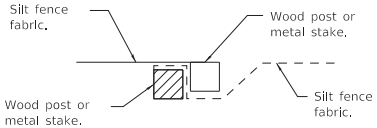
ISSUED 1-1-97

DATE	REVISIONS
1-1-97	New Standard.

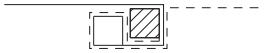
DECIMAL OF AN INCH AND OF A FOOT

STANDARD 001006



Place end-post (stake) of first silt fence adjacent to end-post (stake) of second silt fence with fabric positioned as swown.

STEP 1

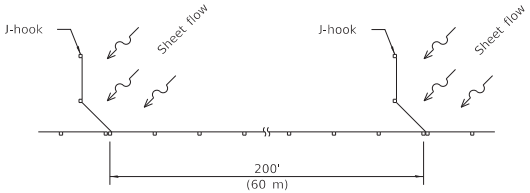


Rotate posts (stakes) together 180° clockwise and drive both posts (stakes) 18 (450) into ground.

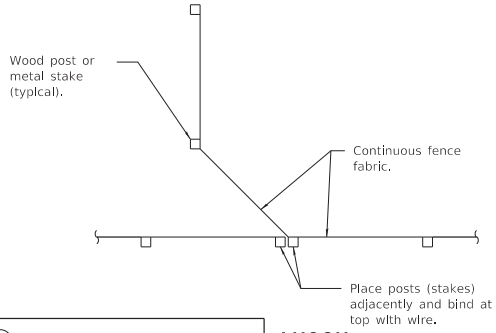
STEP 2

ATTACHING TWO SILT FILTER FENCES

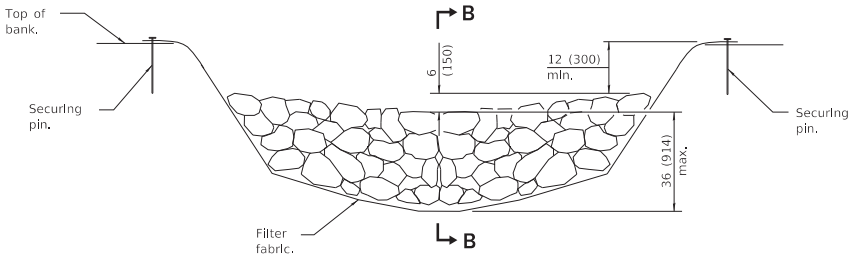
(Not applicable for J-hooks)



SILT FILTER J-HOOK PLACEMENT

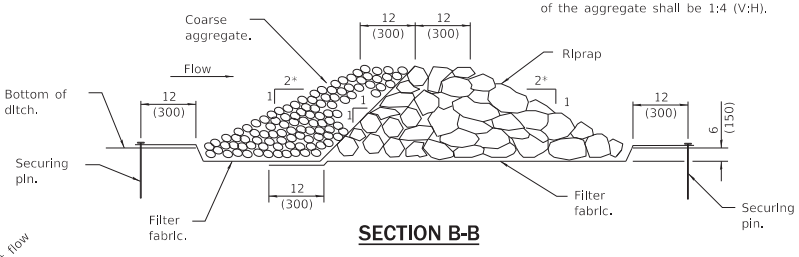


J-HOOK



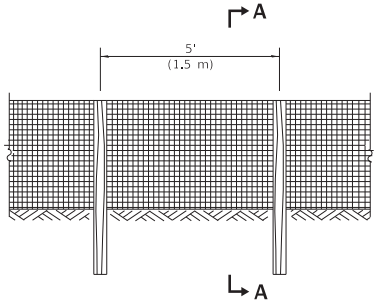
ELEVATION

* When the ditch check is within the clear zone and the road is open to traffic, the traffic approach slope of the aggregate shall be 1:4 (V:H).



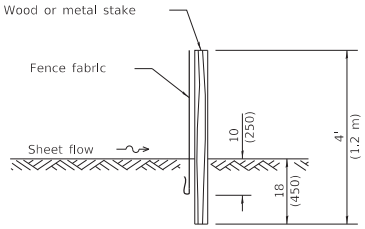
SECTION B-B

AGGREGATE DITCH CHECK

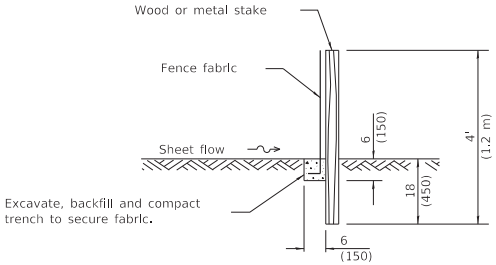


ELEVATION

SILT FILTER FENCE AS A PERIMETER EROSION BARRIER



SLICE METHOD



TRENCH METHOD

SECTION A-A

GENERAL NOTES

The installation details and dimensions shown for perimeter erosion barriers shall also apply for inlet and pipe protection.

All dimensions are in inches (millimeters) unless otherwise shown.

Illinois Department of Transportation

PASSED January 1, 2013
Michael Briand
ENGINEER OF POLICY AND PROCEDURES

APPROVED January 1, 2013
ENGINEER OF DESIGN AND ENVIRONMENT

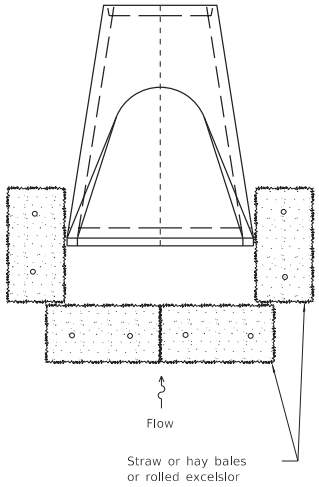
ISSUED 1-1-07

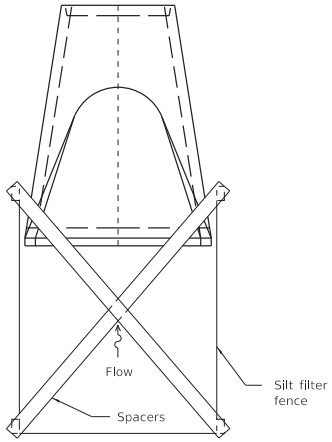
DATE	REVISIONS
1-1-13	Corrected notation for
	flowline ($\mathbb{E}$) on SEDIMENT
	BASIN ELEVATION.
1-1-12	Omitted hay/straw perimeter
	barrier. Added SLICE METHOD
	to SECTION A-A.

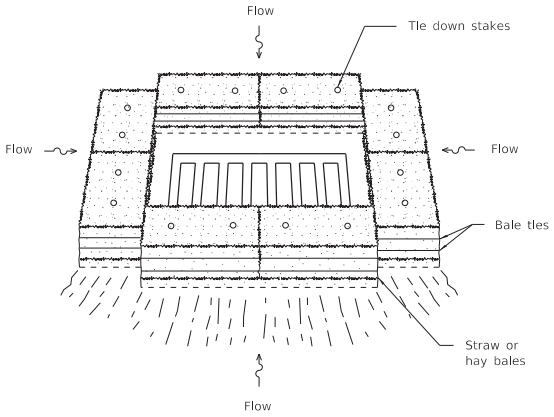
TEMPORARY EROSION CONTROL SYSTEMS

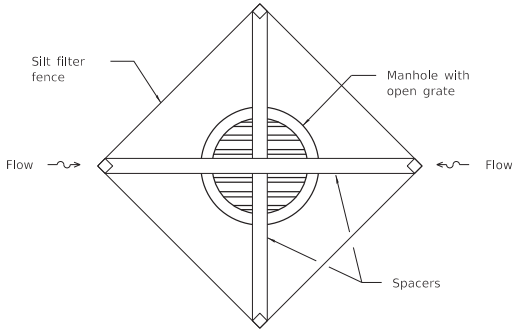
(Sheet 1 of 2)

STANDARD 280001-07

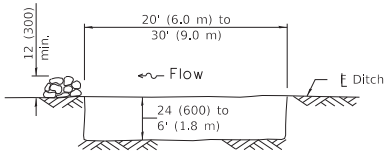






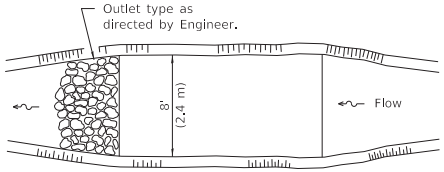


INLET AND PIPE PROTECTION



The performance of the basin will improve if put into a series.

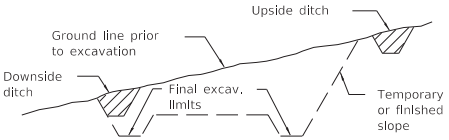
ELEVATION



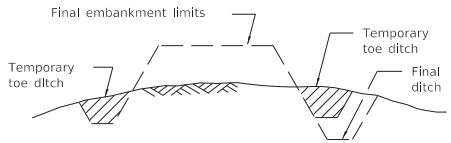
The long dimension should be parallel with the direction of the flow. Accumulated silt shall be removed anytime the basins become 75% filled.

PLAN

SEDIMENT BASIN



TYPICAL CUT CROSS-SECTION



TYPICAL FILL CROSS-SECTION

TEMPORARY DITCHES FOR CUT & FILL SECTIONS

Illinois Department of Transportation

PASSED January 1, 2013
Michael Brand
ENGINEER OF POLICY AND PROCEDURES

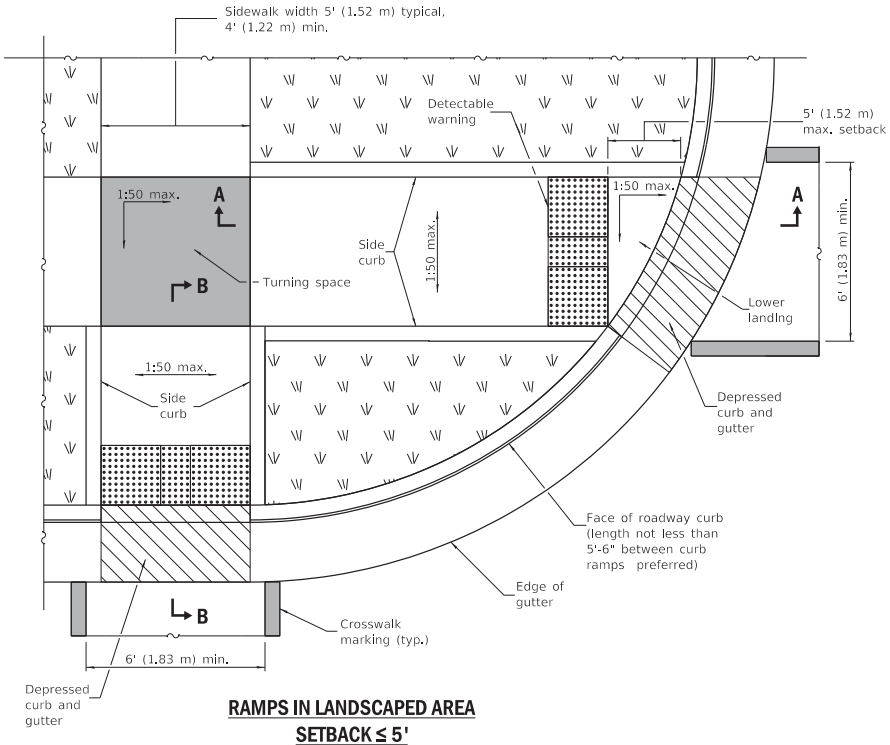
APPROVED January 1, 2013
ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-07

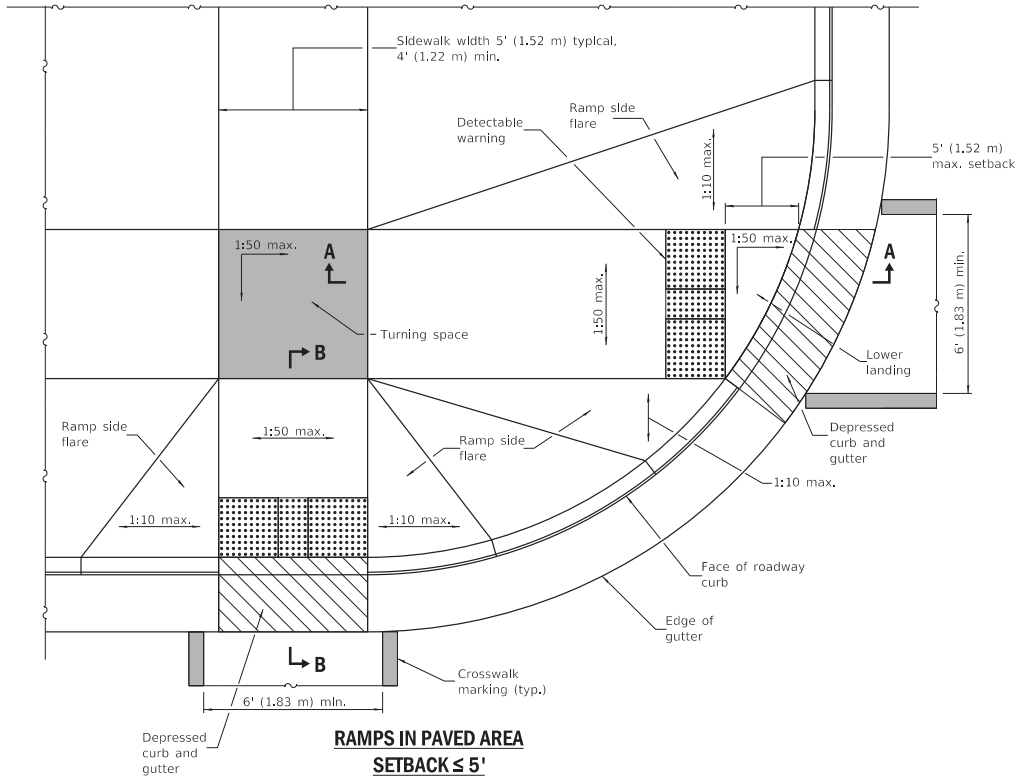
TEMPORARY EROSION CONTROL SYSTEMS

(Sheet 2 of 2)

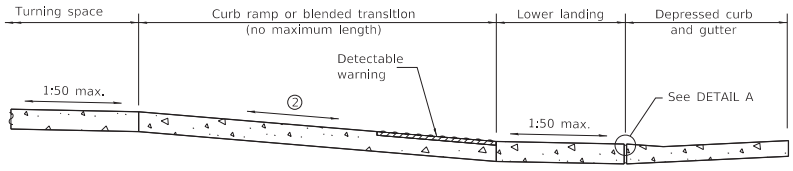
STANDARD 280001-07



RAMPS IN LANDSCAPED AREA
SETBACK ≤ 5'

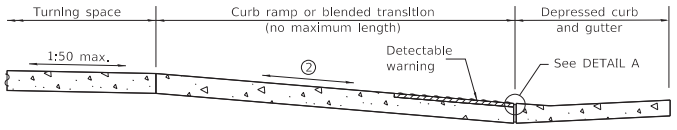


RAMPS IN PAVED AREA
SETBACK ≤ 5'



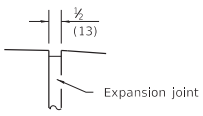
SECTION A-A

② The running slope of a curb ramp shall be 1:20 min. and 1:12 max. The running slope of a blended transition shall be 1:20 max.

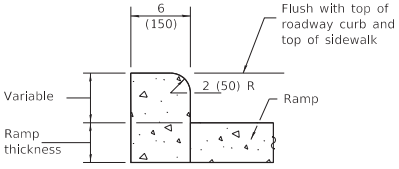


SECTION B-B

② The running slope of a curb ramp shall be 1:20 min. and 1:12 max. The running slope of a blended transition shall be 1:20 max.



DETAIL A



SIDE CURB DETAIL

See Sheet 2 for GENERAL NOTES.

DATE	REVISIONS
1-1-19	Removed "15-foot rule", added
	"Blended transitions" and placement
	tolerances for detectable warnings.
1-1-18	Omitted diagonal slope at
	turning spaces and lower
	landings.

PERPENDICULAR CURB RAMPS FOR SIDEWALKS

(Sheet 1 of 2)

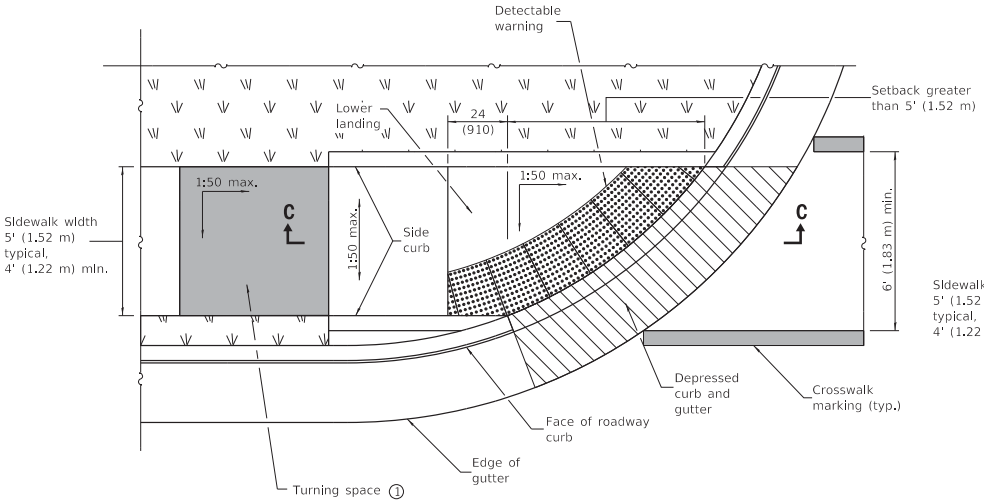
STANDARD 424001-11

Illinois Department of Transportation

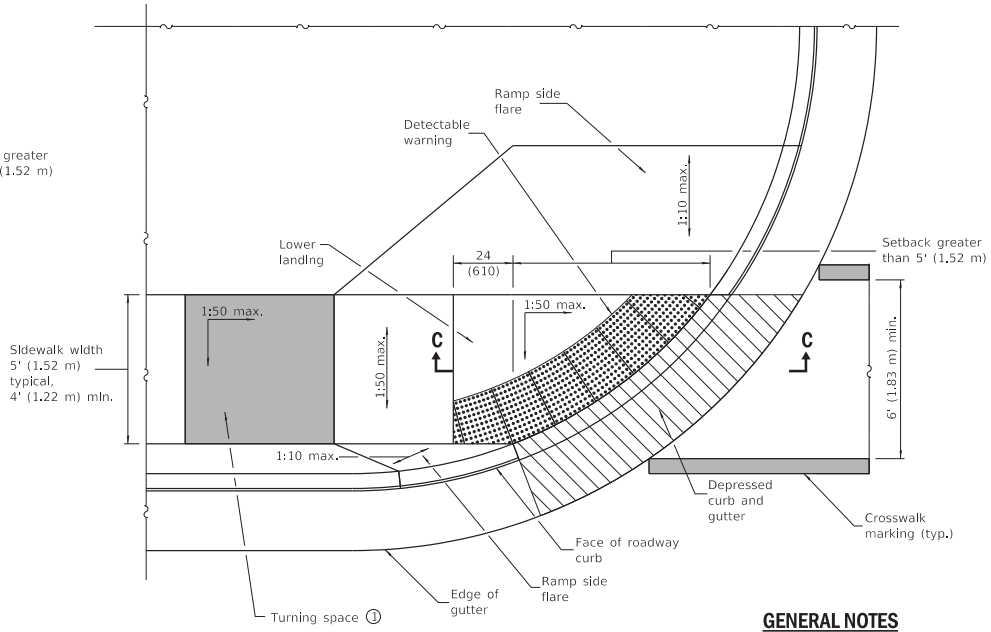
PASSED January 1, 2019
ENGINEER OF POLICY AND PROCEDURES

APPROVED January 1, 2019
ENGINEER OF DESIGN AND ENVIRONMENT

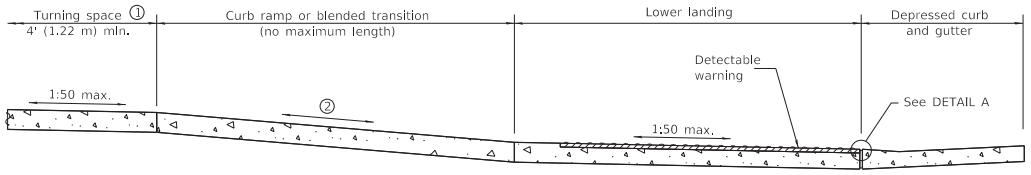
ISSUED 1-1-07



RAMP IN LANDSCAPED AREA
SETBACK > 5'



RAMP IN PAVED AREA
SETBACK > 5'



SECTION C-C

① This turning space not required for blended transitions.

② The running slope of a curb ramp shall be 1:20 min. and 1:12 max. The running slope of a blended transition shall be 1:20 max.

GENERAL NOTES

All slope ratios are expressed as units of vertical displacement to units of horizontal displacement (V:H).

Where the turning space is constrained on a side opposite a ramp, the minimum length of the turning space in the direction of the ramp-run shall be 5' (1.52 m).

Where 1:50 maximum slope is shown, 1:64 is preferred.

Detectable warnings are shown in their ideal locations but the following placement tolerances are allowed.

Side Border - Detectable warnings should extend the full width of the walking surface (excluding flared sides) but a border along each side up to 2 in. (50 mm) in width is allowed.

Curb Set-Back - Detectable warnings located at the back of curb should closely align with the curb but a gap up to 6 in. (150 mm) behind the curb is allowed.

See Standard 606001 for details of depressed curb adjacent to curb ramp.

All dimensions are in inches (millimeters) unless otherwise shown.

Illinois Department of Transportation

PASSED January 1, 2019
ENGINEER OF POLICY AND PROCEDURES

APPROVED January 1, 2019
ENGINEER OF DESIGN AND ENVIRONMENT

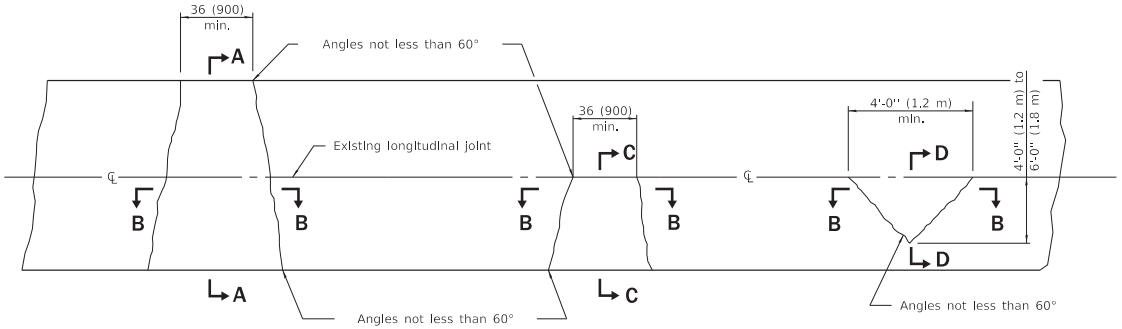
ISSUED 1-1-07

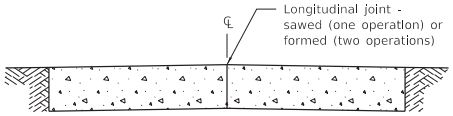
PERPENDICULAR CURB RAMPS FOR SIDEWALKS

(Sheet 2 of 2)

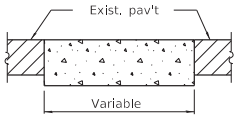
STANDARD 424001-11

CLASS C

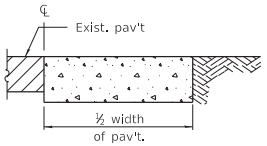




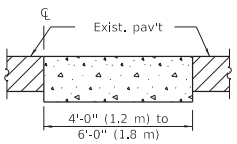
SECTION A-A



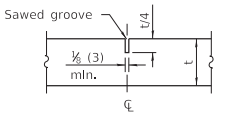
SECTION B-B



SECTION C-C



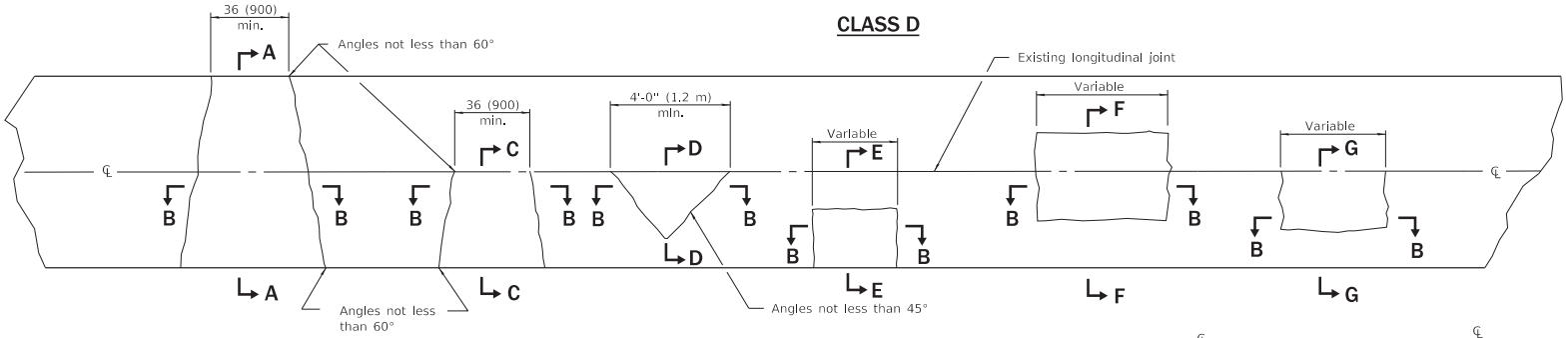
SECTION D-D

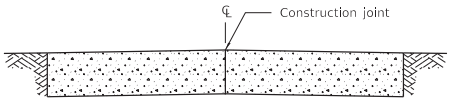


DETAIL OF SAWED CONTRACTION JOINT

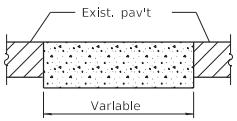
Note:
Longitudinal joints shall be as detailed on Standard 420001, except tie bars are not required for patches 20'-0" (6.0 m) or less in length.

CLASS D

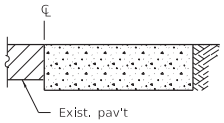




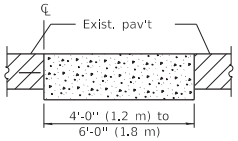
SECTION A-A
(Built in two operations)



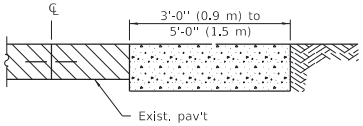
SECTION B-B



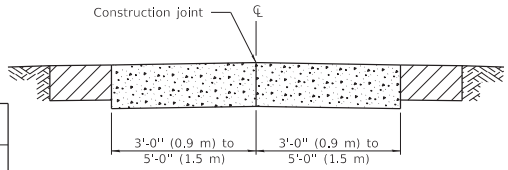
SECTION C-C



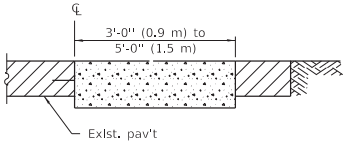
SECTION D-D



SECTION E-E



SECTION F-F
(Built in two operations)



SECTION G-G

GENERAL NOTES

Existing tie bars shall be either cut or removed. Marginal bars shall be cut.

All dimensions are in inches (millimeters) unless otherwise shown.

Illinois Department of Transportation

PASSED January 1, 2008
ENGINEER OF POLICY AND PROCEDURES
APPROVED January 1, 2008
ENGINEER OF DESIGN AND ENVIRONMENT

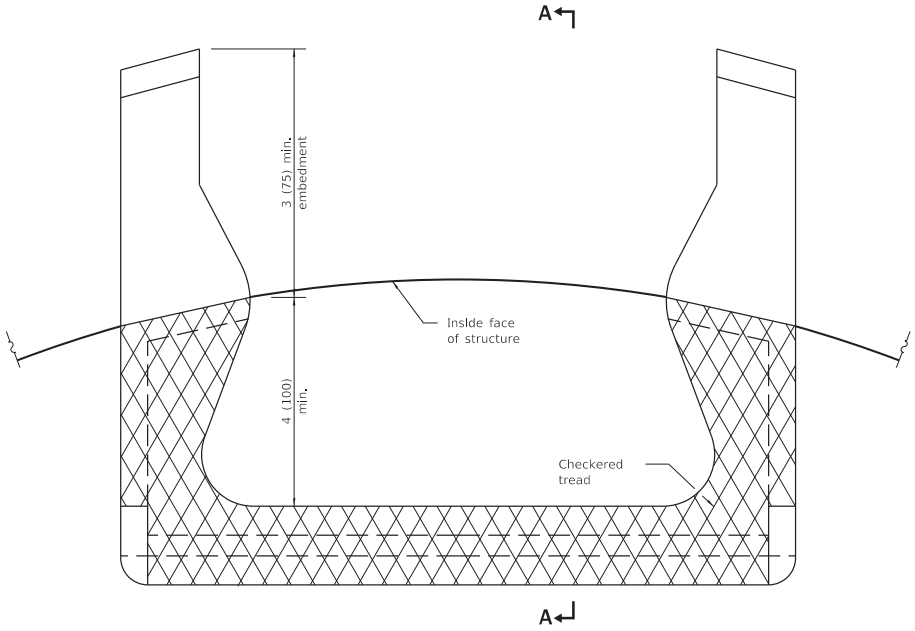
ISSUED 1-1-07

DATE	REVISIONS
1-1-08	Switched units to
	English (metric).
1-1-07	Revised Note for
	Class C patches.

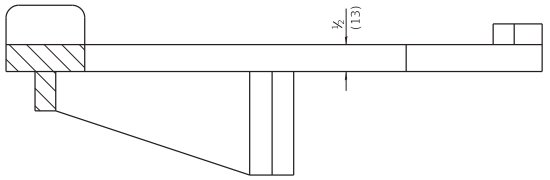
CLASS C and D PATCHES

STANDARD 442201-03

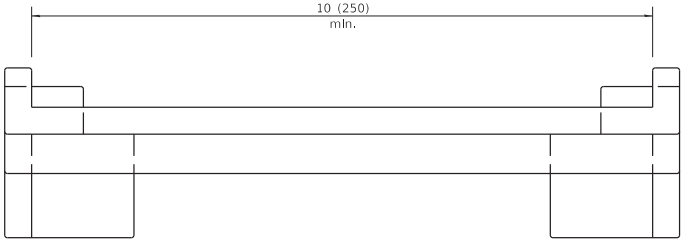
CAST IRON STEPS



PLAN VIEW



SECTION A-A



ELEVATION VIEW

All dimensions are in inches (millimeters)
unless otherwise shown.

Illinois Department of Transportation

PASSED January 1, 2009
ENGINEER OF POLICY AND PROCEDURES

APPROVED January 1, 2009
ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-07

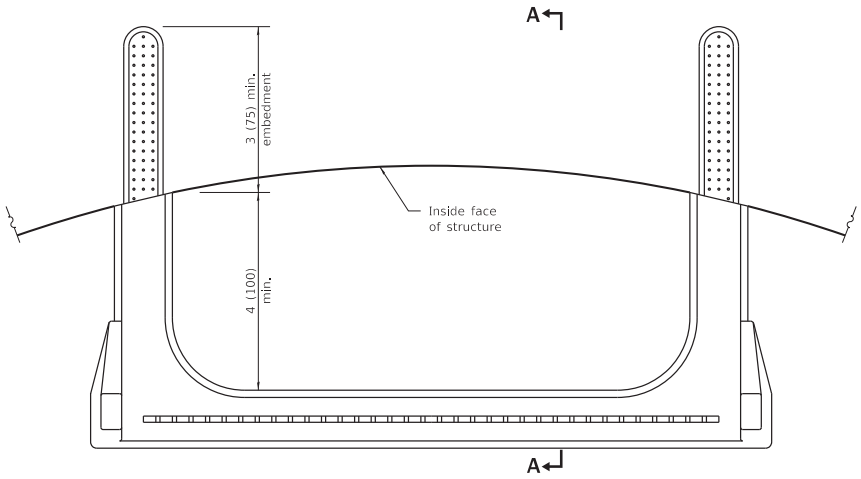
DATE	REVISIONS
1-1-09	Switched units to
	English (metric).
4-1-06	Revised title, drawings,
	and added plastic
	steps on sheet 2.

MANHOLE STEPS

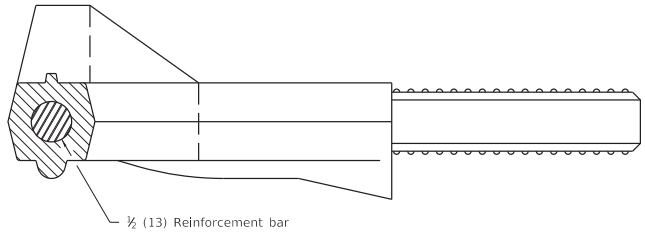
(Sheet 1 of 2)

STANDARD 602701-02

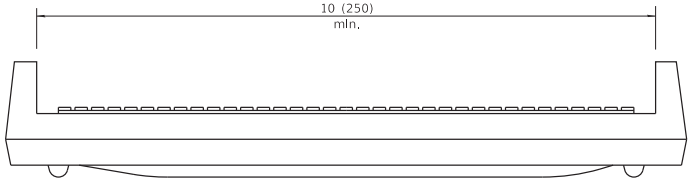
PLASTIC STEPS



PLAN VIEW



SECTION A-A



ELEVATION VIEW

Illinois Department of Transportation

PASSED January 1, 2009
ENGINEER OF POLICY AND PROCEDURES

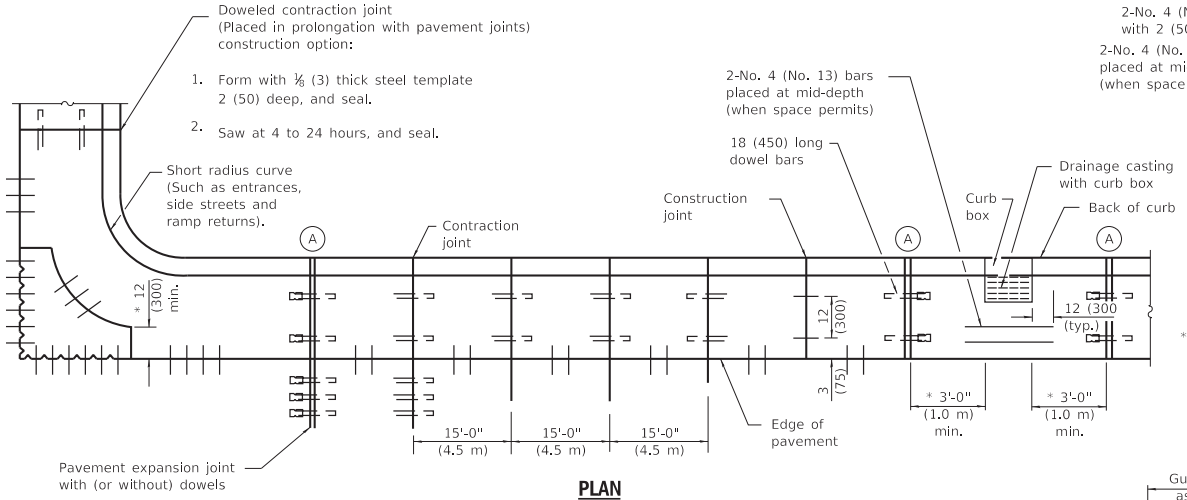
APPROVED January 1, 2009
ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-07

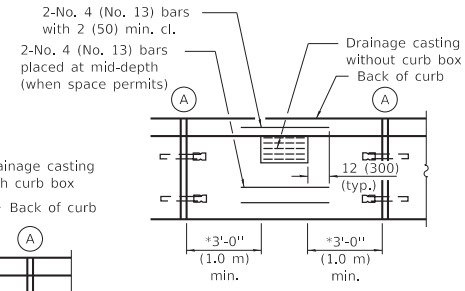
MANHOLE STEPS

(Sheet 2 of 2)

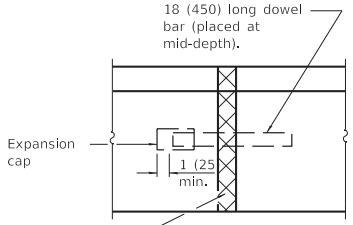
STANDARD 602701-02



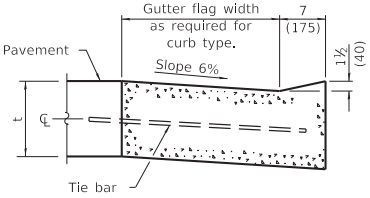
PLAN
ADJACENT TO PCC PAVEMENT OR PCC BASE COURSE



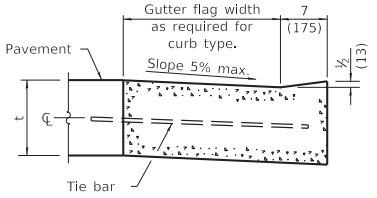
* This dimension shall be adjusted to align with joint on the adjacent pavement



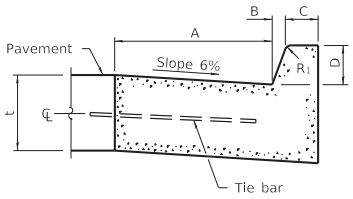
DETAIL (A)
EXPANSION JOINT



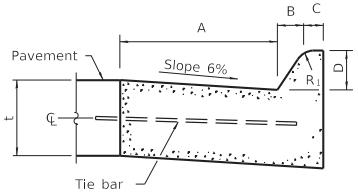
DEPRESSED CURB (TYPICAL)



DEPRESSED CURB ADJACENT TO CURB RAMP ACCESSIBLE TO THE DISABLED



BARRIER CURB

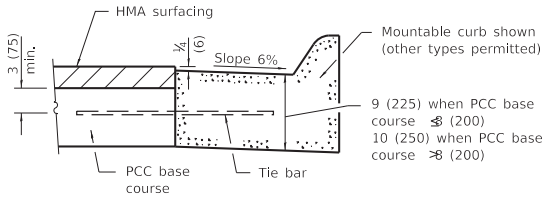


MOUNTABLE CURB

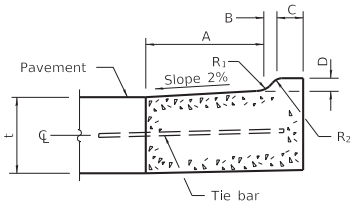
TABLE OF DIMENSIONS BARRIER CURB					
TYPE	A	B	C	D	R_1
B-6.06 ✱ (B-15.15)	6 (150)	1 (25)	6 (150)	6 (150)	1 (25)
B-6.12 (B-15.3)	12 (300)	1 (25)	6 (150)	6 (150)	1 (25)
B-6.18 (B-15.45)	18 (450)	1 (25)	6 (150)	6 (150)	1 (25)
B-6.24 (B-15.60)	24 (600)	1 (25)	6 (150)	6 (150)	1 (25)
B-9.12 (B-22.30)	12 (300)	2 (50)	5 (125)	9 (225)	1 (25)
B-9.18 (B-22.45)	18 (450)	2 (50)	5 (125)	9 (225)	1 (25)
B-9.24 (B-22.60)	24 (600)	2 (50)	5 (125)	9 (225)	1 (25)

✱ For corner islands only.

TABLE OF DIMENSIONS MOUNTABLE CURB						
TYPE	A	B	C	D	R_1	R_2
M-2.06 (M-5.15)	6 (150)	2 (50)	4 (100)	2 (50)	3 (75)	2 (50)
M-2.12 (M-5.30)	12 (300)	2 (50)	4 (100)	2 (50)	3 (75)	2 (50)
M-4.06 (M-10.15)	6 (150)	4 (100)	3 (75)	4 (100)	3 (75)	NA
M-4.12 (M-10.30)	12 (300)	4 (100)	3 (75)	4 (100)	3 (75)	NA
M-4.18 (M-10.45)	18 (450)	4 (100)	3 (75)	4 (100)	3 (75)	NA
M-4.24 (M-10.60)	24 (600)	4 (100)	3 (75)	4 (100)	3 (75)	NA
M-6.06 (M-15.15)	6 (150)	6 (150)	2 (50)	6 (150)	2 (50)	NA
M-6.12 (M-15.30)	12 (300)	6 (150)	2 (50)	6 (150)	2 (50)	NA
M-6.18 (M-15.45)	18 (450)	6 (150)	2 (50)	6 (150)	2 (50)	NA
M-6.24 (M-15.60)	24 (600)	6 (150)	2 (50)	6 (150)	2 (50)	NA



ADJACENT TO PCC BASE COURSE WITH HMA SURFACING



M-2.06 (M-5.15) and M-2.12 (M-5.30)

GENERAL NOTES

The bottom slope of combination curb and gutter constructed adjacent to pcc pavement shall be the same slope as the subbase or 6% when subbase is omitted.

t = Thickness of pavement.

Longitudinal joint tie bars shall be No. 6 (No. 19) at 36 (900) centers in accordance with details for longitudinal construction joint shown on Standard 420001.

A minimum clearance of 2 (50) between the end of the tie bar and the back of the curb shall be maintained.

The dowel bars shown in contraction joints will only be required for monolithic construction.

See Standard 606301 for details of corner islands.

All dimensions are in inches (millimeters) unless otherwise shown.

Illinois Department of Transportation

PASSED January 1, 2018
ENGINEER OF POLICY AND PROCEDURES
APPROVED January 1, 2018
ENGINEER OF DESIGN AND ENVIRONMENT

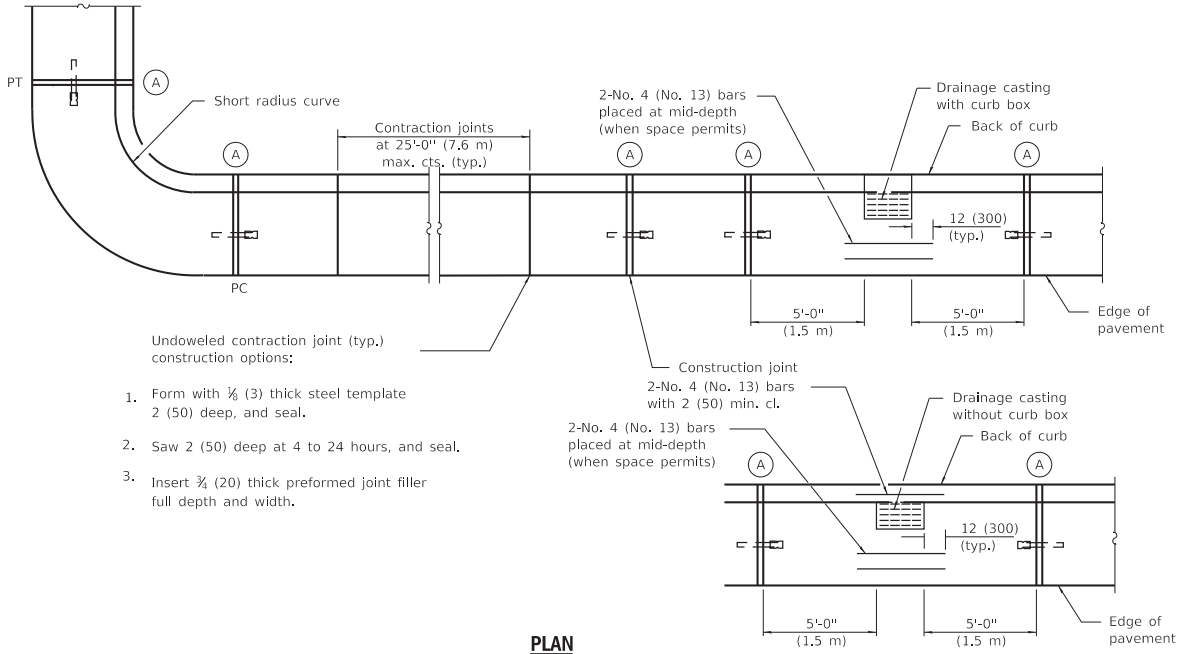
ISSUED 1-1-07

DATE	REVISIONS
1-1-18	Revised General Note for tie
	bar spacing to 36 (900) cts.
1-1-15	Added B-6.06 (B-15.15) barrier
	curb and gutter to table
	(corner islands only).

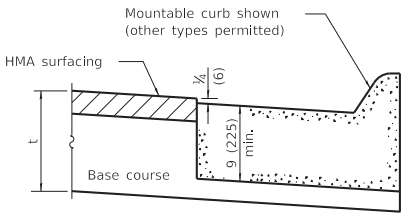
CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER

(Sheet 1 of 2)

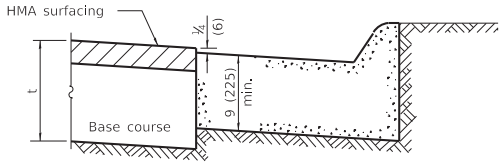
STANDARD 606001-07



PLAN

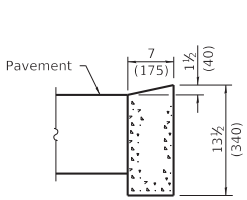


ON DISTURBED SUBGRADE

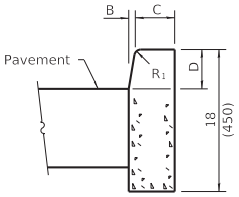


ON UNDISTURBED SUBGRADE

ADJACENT TO FLEXIBLE PAVEMENT

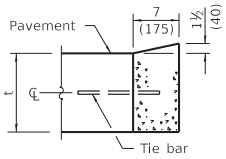


DEPRESSED CURB

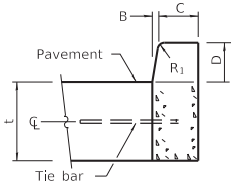


BARRIER CURB

ADJACENT TO FLEXIBLE PAVEMENT



DEPRESSED CURB



BARRIER CURB

ADJACENT TO PCC PAVEMENT OR PCC BASE COURSE

CONCRETE CURB TYPE B

Illinois Department of Transportation

PASSED January 1, 2018
ENGINEER OF POLICY AND PROCEDURES

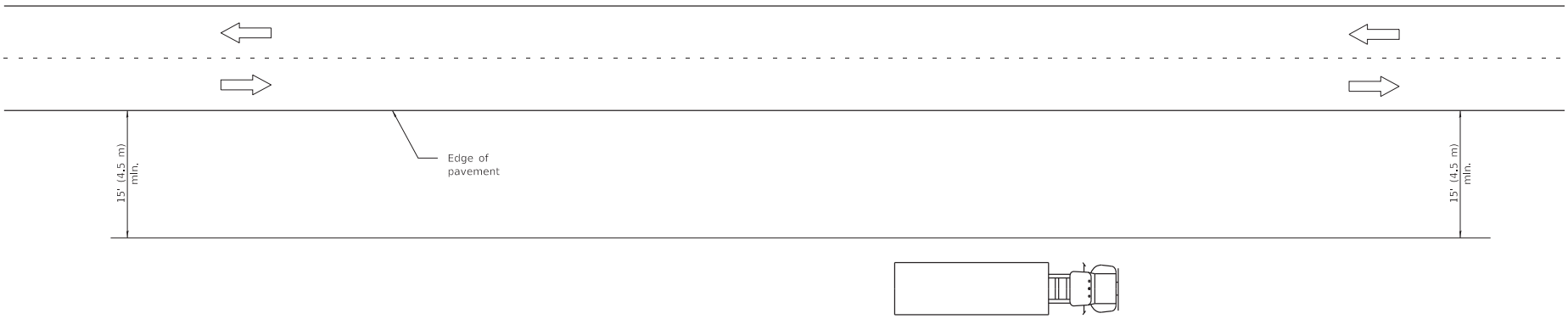
APPROVED January 1, 2018
ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-07

CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER

(Sheet 2 of 2)

STANDARD 606001-07



TYPICAL APPLICATIONS

Landscaping work

Utility work

Fencing contracts and maintenance

Cleaning culverts

GENERAL NOTES

This Standard is used where at all times all vehicles, equipment, workers or their activities are more than 15' (4.5 m) from the edge of pavement.

When the work operation requires that two or more work vehicles cross the 15' (4.5 m) clear zone in any one hour, traffic control shall be according to Standard 701006.

All dimensions are in inches (millimeters) unless otherwise shown.

Illinois Department of Transportation

PASSED January 1, 2009
ENGINEER OF OPERATIONS

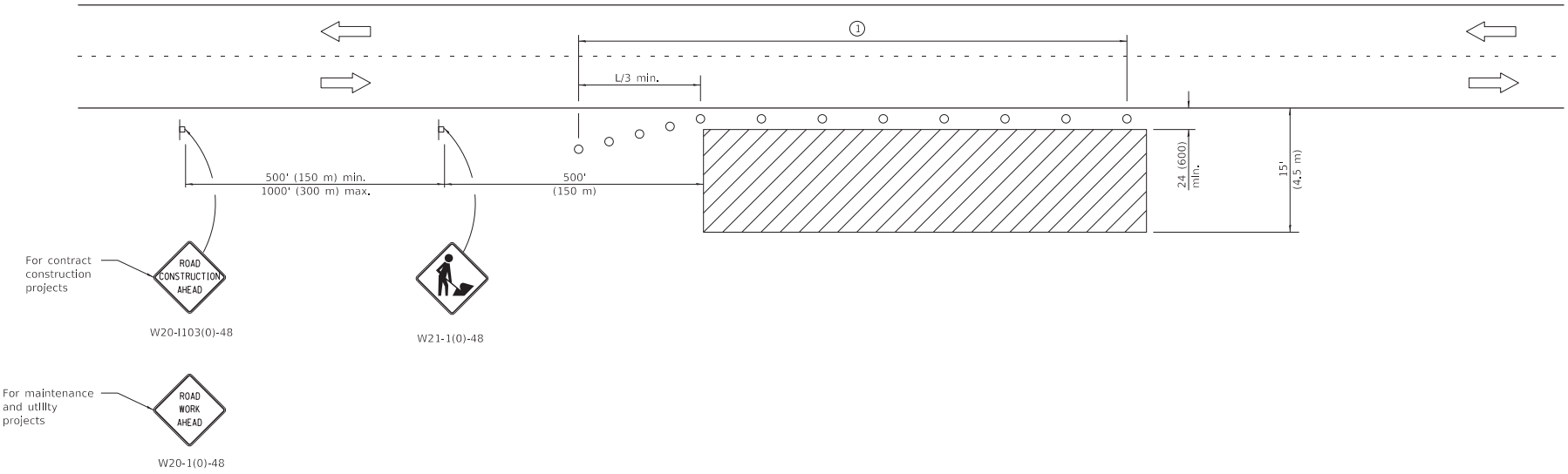
APPROVED January 1, 2009
ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-07

DATE	REVISIONS
1-1-09	Switched units to
	English (metric).
1-1-05	Revised title and notes.

OFF-RD OPERATIONS, 2L, 2W, MORE THAN 15' (4.5 m) AWAY

STANDARD 701001-02



TYPICAL APPLICATIONS

Utility operations
Culvert extensions
Side slope changes
Guardrail installation and maintenance
Delineator installation
Landscaping operations
Shoulder repair
Sign installation and maintenance

SYMBOLS

Work area

Sign

Cone, drum or barricade

① When the work operation exceeds one hour, cones, drums or barricades shall be placed at 25' (8 m) centers for L/3 distance, and at 50' (15 m) centers through the remainder of the work area.

GENERAL NOTES

This Standard is used where any vehicles, equipment, workers or their activities will encroach in the area 15' (4.5 m) to 24 (600) from the edge of pavement.

Calculate L as follows:

SPEED LIMIT	FORMULAS English	(Metric)
40 mph (70 km/h) or less:	$L=\frac{WS^2}{60}$	$L=\frac{WS^2}{150}$
45 mph (80 km/h) or greater:	$L=(W)(S)$	$L=0.65(W)(S)$

W = Width of offset in feet (meters).

S = Normal posted speed mph (km/h).

All dimensions are in inches (millimeters) unless otherwise shown.

Illinois Department of Transportation

PASSED January 1, 2014
ENGINEER OF SAFETY ENGINEERING

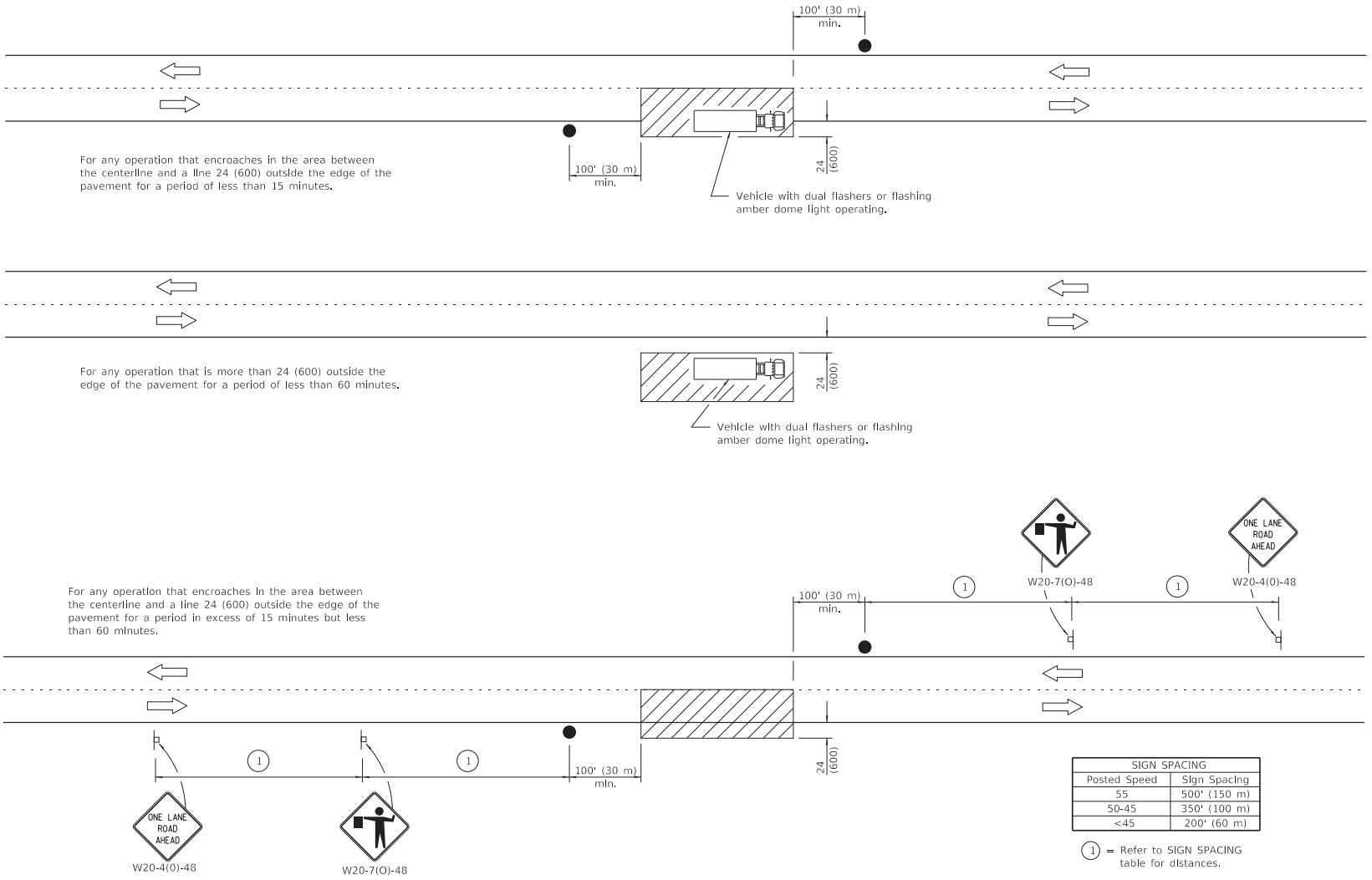
APPROVED January 1, 2014
ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-07

DATE	REVISIONS
1-1-14	Revised workers sign
	number to agree with
	current MUTCD.
1-1-13	Omitted text 'WORKERS'
	sign.

OFF-RD OPERATIONS, 2L, 2W, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE

STANDARD 701006-05



SIGN SPACING	
Posted Speed	Sign Spacing
55	500' (150 m)
50-45	350' (100 m)
<45	200' (60 m)

(1) = Refer to SIGN SPACING table for distances.

TYPICAL APPLICATIONS

Marking patches
Field survey
String line
Utility operations
Cleaning up debris on pavement

SYMBOLS

Work area

Sign on portable or permanent support

Flagger with traffic control sign

All dimensions are in inches (millimeters) unless otherwise shown.

Illinois Department of Transportation

PASSED January 1, 2011
ENGINEER OF SAFETY ENGINEERING

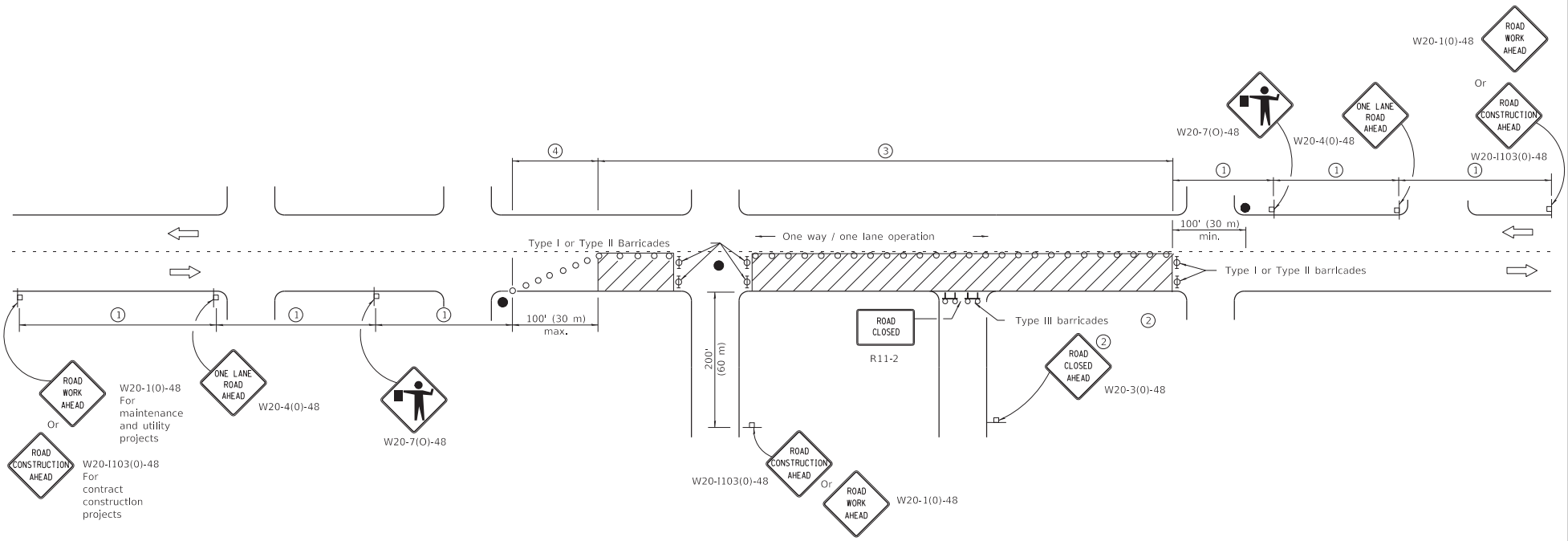
APPROVED January 1, 2011
ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-07

DATE	REVISIONS
1-1-11	Revised flagger sign.
1-1-09	Switched units to
	English (metric).

LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS

STANDARD 701301-04



SIGN SPACING	
Posted Speed	Sign Spacing
55	500' (150 m)
50-45	350' (100 m)
<45	200' (60 m)

SYMBOLS

- Work area
- Cone, drum or barricade (not required for moving operations)
- Sign on portable or permanent support
- Flagger with traffic control sign
- Barricade or drum with flashing light
- Type III barricade with flashing lights

(1) Refer to SIGN SPACING TABLE for distances.

(2) For approved sideroad closures.

(3) Cones at 25' (8 m) centers for 250' (75 m). Additional cones may be placed at 50' (15 m) centers. When drums or Type I or Type II barricades are used, the interval between devices may be doubled.

(4) Cones, drums or barricades at 20' (6 m) centers.

GENERAL NOTES

This Standard is used where at any time, day or night, any vehicle, equipment, workers or their activities encroach on the pavement requiring the closure of one traffic lane in an urban area.

All dimensions are in inches (millimeters) unless otherwise shown.

Illinois Department of Transportation

PASSED January 1, 2011
ENGINEER OF SAFETY ENGINEERING

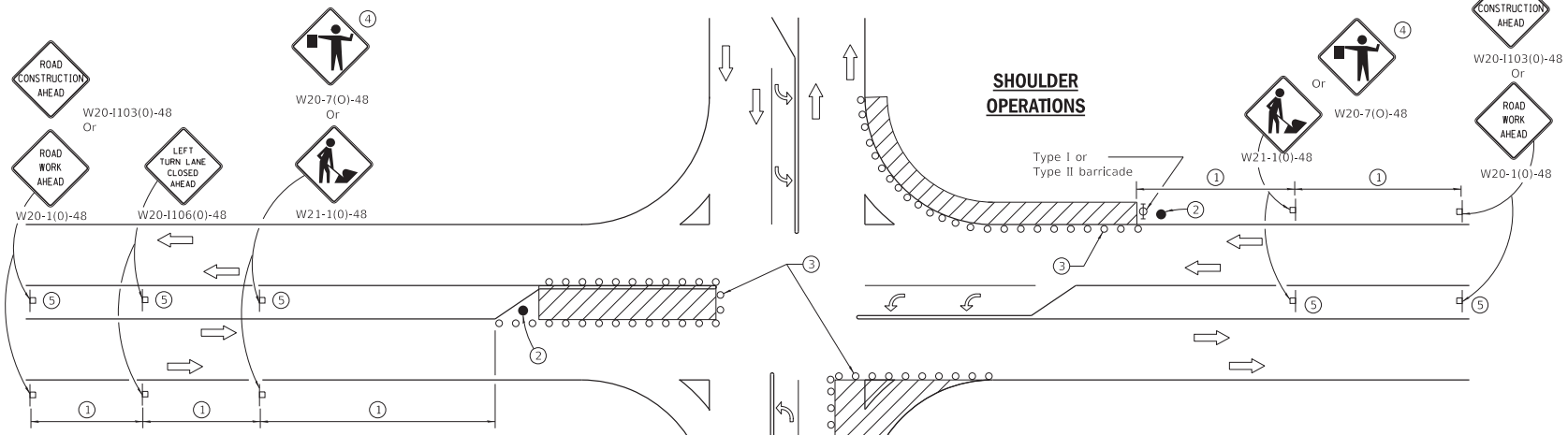
APPROVED January 1, 2011
ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-07

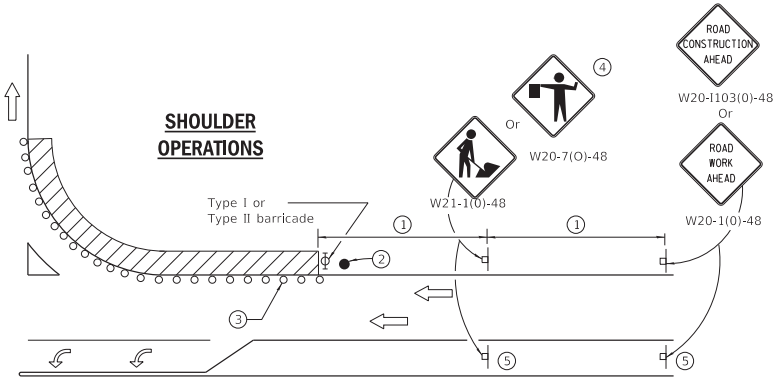
DATE	REVISIONS
1-1-11	Revised flagger sign.
1-1-09	Switched units to
	English (metric).
	Corrected sign No.'s.

URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED

STANDARD 701501-06



SHOULDER OPERATIONS



LEFT TURN LANE OR CENTER MEDIAN OPERATIONS

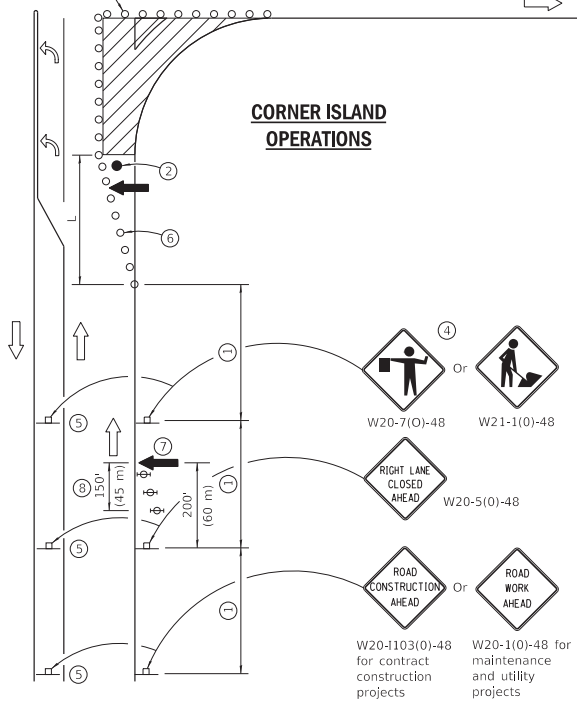
1. Refer to SIGN SPACING TABLE for distance.
2. Required for speed > 40 mph.
3. Cones at 25' (8 m) centers for 250' (75 m). Additional cones may be placed at 50' (15 m) centers. When drums or Type I or Type II barricades are used, the interval between devices may be doubled.
4. Use flagger sign only when flagger is present.
5. Omit this sign when median is less than 10' (3 m) or for bi-directional turn lanes.
6. Cones, drums or barricades at 20' (6 m) centers in taper.
7. Advanced arrow board required for speeds > 45 mph.
8. Three Type II barricades, drums or vertical barricades at 50' (15 m) centers.

SIGN SPACING	
Posted Speed	Sign Spacing
55	500' (150 m)
50-45	350' (100 m)
<45	200' (60 m)

SYMBOLS

- Work area
- Cone, drum or barricade
- Sign on portable or permanent support
- Arrow board
- Barricade or drum with flashing light
- Flagger with traffic control sign

CORNER ISLAND OPERATIONS



GENERAL NOTES

This Standard is used where at any time, day or night, any vehicle, equipment, workers or their activities encroach on the pavement during shoulder operations or where construction requires lane closures in an urban area.

Calculate L as follows:

SPEED LIMIT	FORMULAS English	FORMULAS (Metric)
40 mph (70 km/h) or less:	$L=\frac{WS^2}{60}$	$L=\frac{WS^2}{150}$
45 mph (80 km/h) or greater:	L=(W)(S)	L=0.65(W)(S)

W = Width of offset in feet (meters).

S = Normal posted speed mph (km/h).

All dimensions are in inches (millimeters) unless otherwise shown.

Illinois Department of Transportation

PASSED April 1, 2016
ENGINEER OF SAFETY ENGINEERING

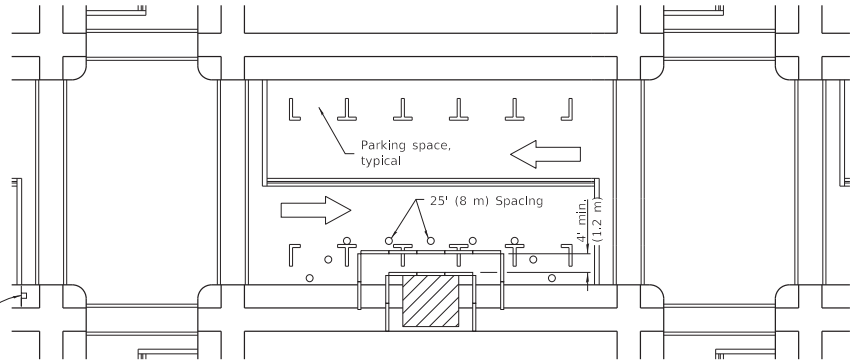
APPROVED April 1, 2016
ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-07

DATE	REVISIONS
4-1-16	Corrected sign number for
	LEFT TURN LANE CLOSED
	AHEAD.
1-1-14	Added devices at arrow
	board upstream from taper.
	Rev. workers sign number.

URBAN LANE CLOSURE, MULTILANE INTERSECTION

STANDARD 701701-10



① ROAD CONSTRUCTION AHEAD — W20-I103(0)-48 for contract construction projects

Or

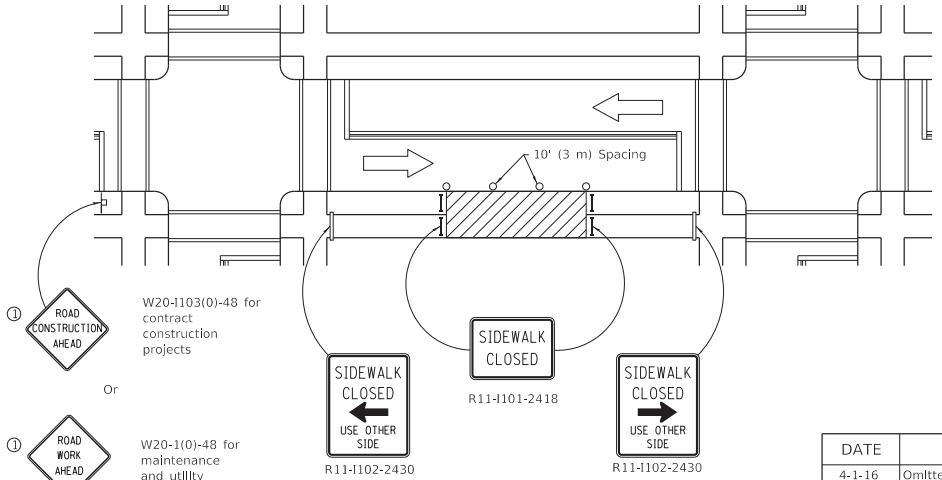
① ROAD WORK AHEAD — W20-1(0)-48 for maintenance and utility projects

SIDEWALK DIVERSION

① Omit whenever duplicated by road work traffic control.

SYMBOLS

- Work area
- Sign on portable or permanent support
- Barricade or drum
- Cone, drum or barricade
- Type III barricade
- Detectable pedestrian channelizing barricade



① ROAD CONSTRUCTION AHEAD — W20-I103(0)-48 for contract construction projects

Or

① ROAD WORK AHEAD — W20-1(0)-48 for maintenance and utility projects

SIDEWALK CLOSURE

GENERAL NOTES

This Standard is used where, at any time, pedestrian traffic must be rerouted due to work being performed.

This Standard must be used in conjunction with other Traffic Control & Protection Standards when roadway traffic is affected.

Temporary facilities shall be detectable and accessible.

The temporary pedestrian facilities shall be provided on the same side of the closed facilities whenever possible.

The SIDEWALK CLOSED / USE OTHER SIDE sign shall be placed at the nearest crosswalk or intersection to each end of the closure. Where the closure occurs at a corner, the signs shall be erected on the corners across the street from the closure. The SIDEWALK CLOSED signs shall be used at the ends of the actual closures.

Type III barricades and R11-2-4830 signs shall be positioned as shown in "ROAD CLOSED TO ALL TRAFFIC" detail on Standard 701901.

All dimensions are in inches (millimeters) unless otherwise shown.

Illinois Department of Transportation

PASSED April 1, 2016
ENGINEER OF SAFETY ENGINEERING

APPROVED April 1, 2016
ENGINEER OF DESIGN AND ENVIRONMENT

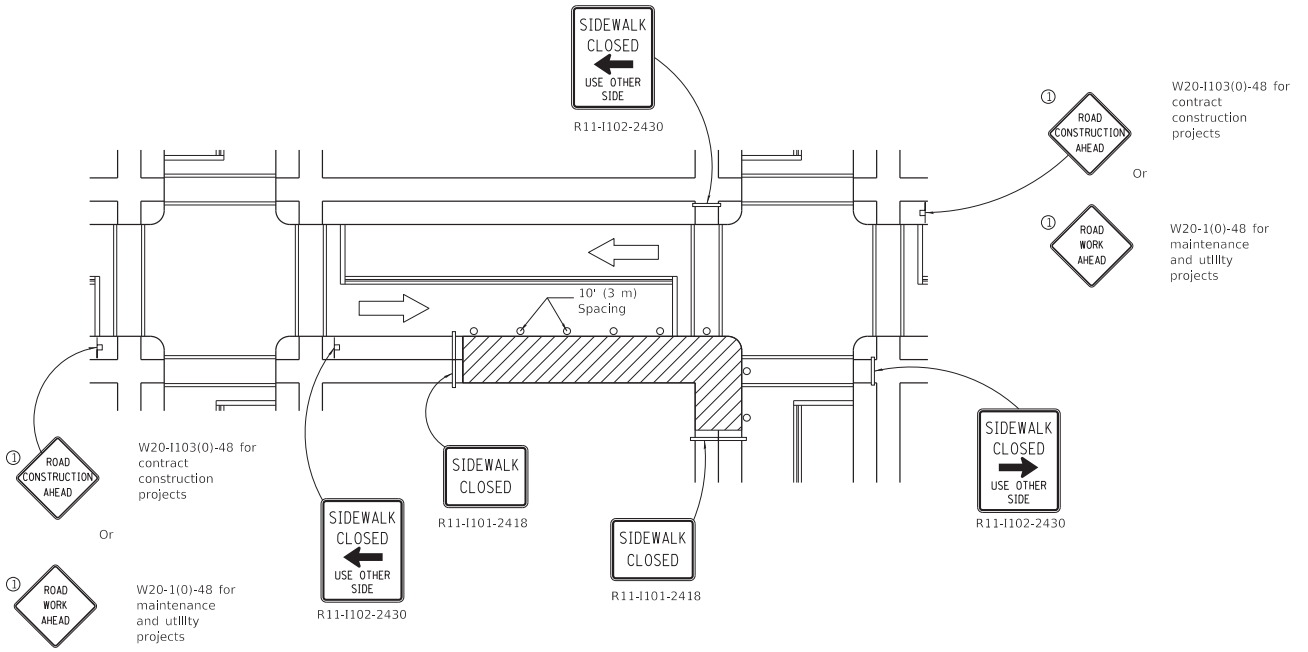
ISSUED 1-1-07

DATE	REVISIONS
4-1-16	Omitted orange safety fence
	from standard as this is
	covered in the std. spec.
1-1-12	Added SIDEWALK DIVERSION.
	Modified appearance of
	plan views. Renamed Std.

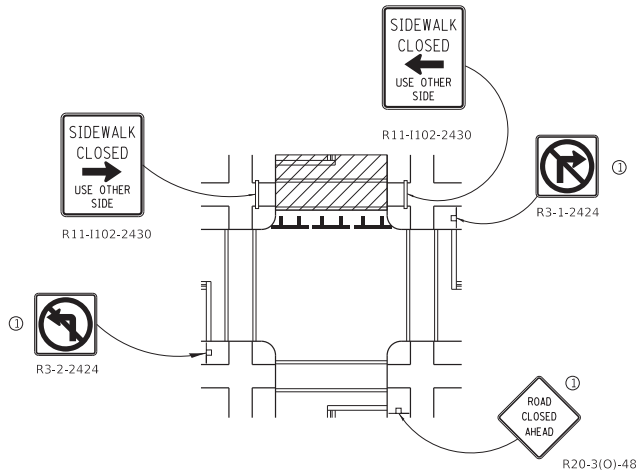
SIDEWALK, CORNER OR CROSSWALK CLOSURE

(Sheet 1 of 2)

STANDARD 701801-06



CORNER CLOSURE



CROSSWALK CLOSURE

Illinois Department of Transportation

PASSED April 1, 2016
ENGINEER OF SAFETY ENGINEERING

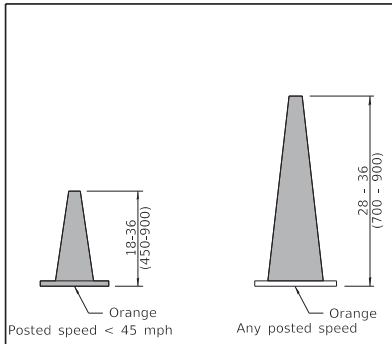
APPROVED April 1, 2016
ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-07

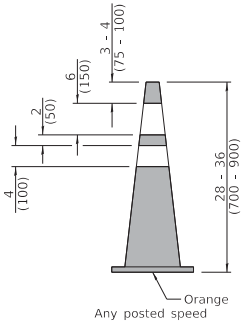
SIDEWALK, CORNER OR CROSSWALK CLOSURE

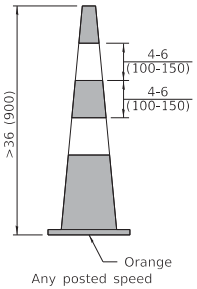
(Sheet 2 of 2)

STANDARD 701801-06



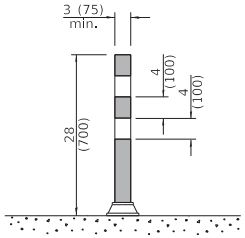
DAYTIME USE



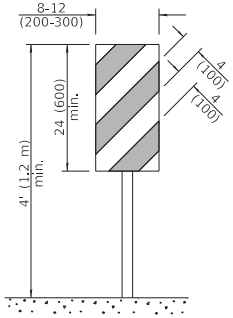


DAY OR NIGHTTIME USE

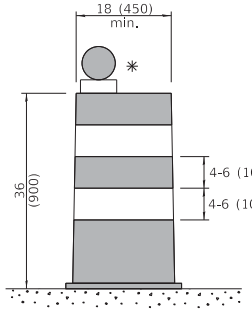
CONES



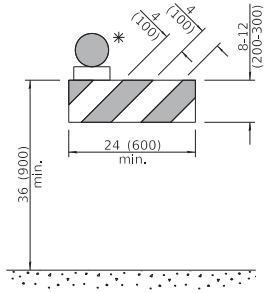
TUBULAR MARKER



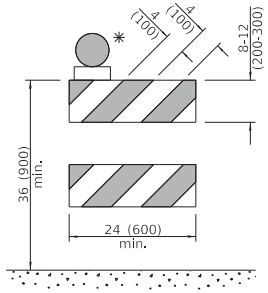
VERTICAL PANEL
POST MOUNTED



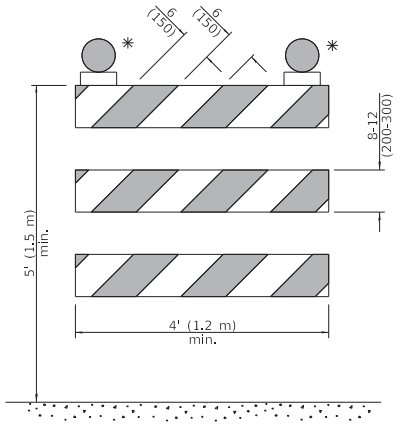
DRUM



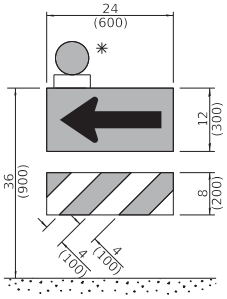
TYPE I BARRICADE



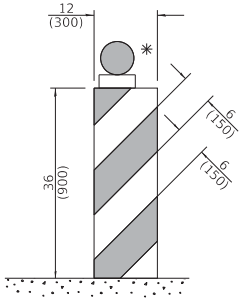
TYPE II BARRICADE



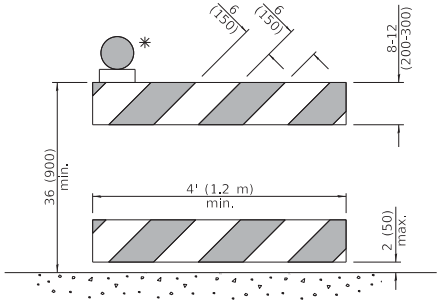
TYPE III BARRICADE



DIRECTION INDICATOR BARRICADE



VERTICAL BARRICADE



DETECTABLE PEDESTRIAN CHANNELIZING BARRICADE

✳ Warning lights (if required)

GENERAL NOTES

All heights shown shall be measured above the pavement surface.

All dimensions are in inches (millimeters) unless otherwise shown.

Illinois Department of Transportation

APPROVED January 1, 2019
ENGINEER OF SAFETY PROG. AND ENGINEERING

APPROVED January 1, 2019
ENGINEER OF DESIGN AND ENVIRONMENT

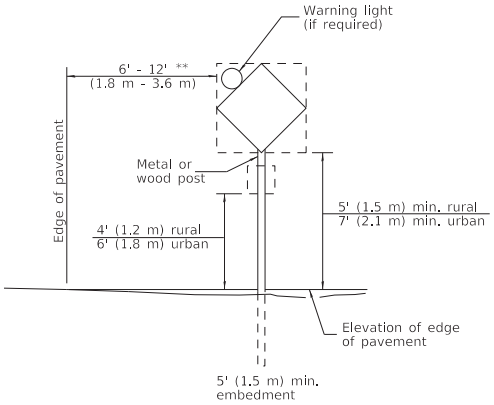
ISSUED 1-1-13

DATE	REVISIONS
1-1-19	Revised cone usage and
	added cones >36" (900 m) height.
1-1-18	Revised END WORK ZONE
	SPEED LIMIT sign from
	orange to white background.

TRAFFIC CONTROL DEVICES

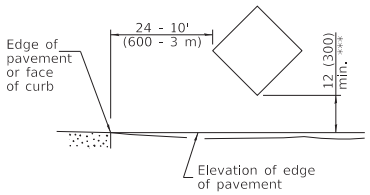
(Sheet 1 of 3)

STANDARD 701901-08



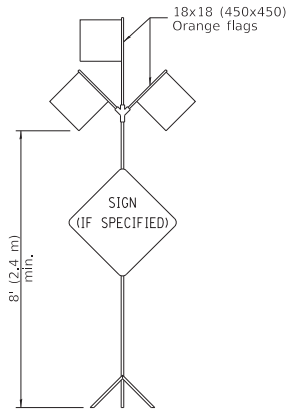
POST MOUNTED SIGNS

** When curb or paved shoulder are present this dimension shall be 24 (600) to the face of curb or 6' (1.8 m) to the outside edge of the paved shoulder.



SIGNS ON TEMPORARY SUPPORTS

*** When work operations exceed four days, this dimension shall be 5' (1.5 m) min. If located behind other devices, the height shall be sufficient to be seen completely above the devices.



HIGH LEVEL WARNING DEVICE

G20-I104(0)-6036

G20-I105(0)-6024

This signing is required for all projects 2 miles (3200 m) or more in length.

ROAD CONSTRUCTION NEXT X MILES sign shall be placed 500' (150 m) in advance of project limits.

END CONSTRUCTION sign shall be erected at the end of the job unless another job is within 2 miles (3200 m).

Dual sign displays shall be utilized on multi-lane highways.

WORK LIMIT SIGNING

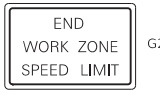
W21-III5(0)-3618

R2-1-3648

R10-I108p-3618 ****

R2-I106p-3618

Sign assembly as shown on Standards or as allowed by District Operations.

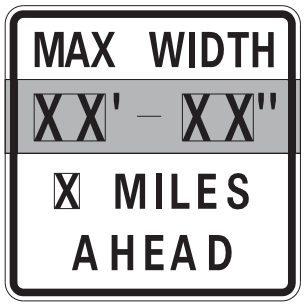


G20-I103-6036

This sign shall be used when the above sign assembly is used.

HIGHWAY CONSTRUCTION SPEED ZONE SIGNS

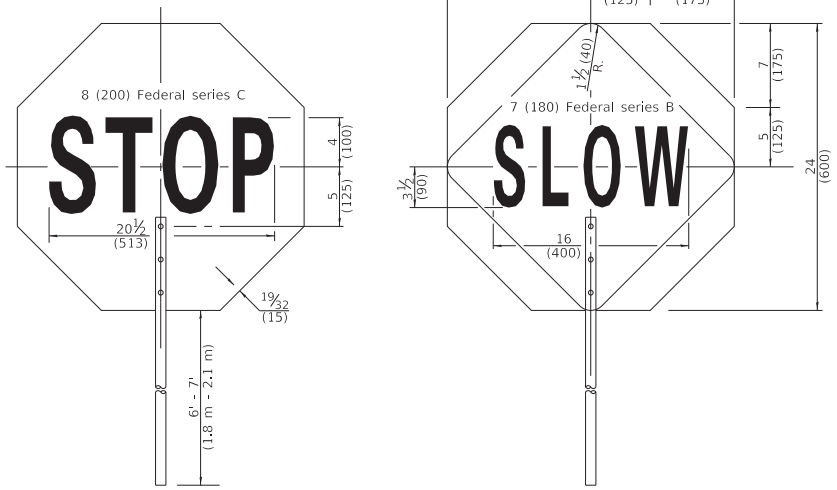
**** R10-I108p shall only be used along roadways under the juristiction of the State.



W12-I103-4848

WIDTH RESTRICTION SIGN

XX'-XX" width and X miles are variable.



FRONT SIDE

REVERSE SIDE

FLAGGER TRAFFIC CONTROL SIGN

Illinois Department of Transportation

APPROVED January 1, 2019
ENGINEER OF SAFETY PROG. AND ENGINEERING

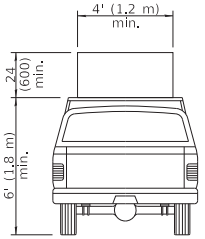
APPROVED January 1, 2019
ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-13

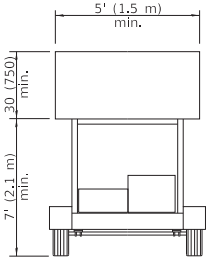
TRAFFIC CONTROL DEVICES

(Sheet 2 of 3)

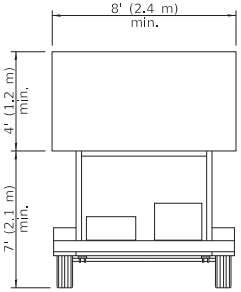
STANDARD 701901-08



TYPE A
ROOF
MOUNTED

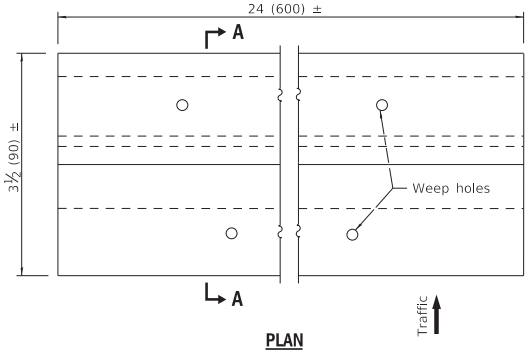


TYPE B
ROOF OR TRAILER
MOUNTED

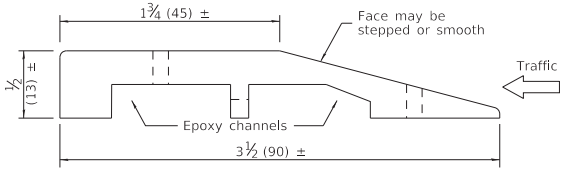


TYPE C
TRAILER
MOUNTED

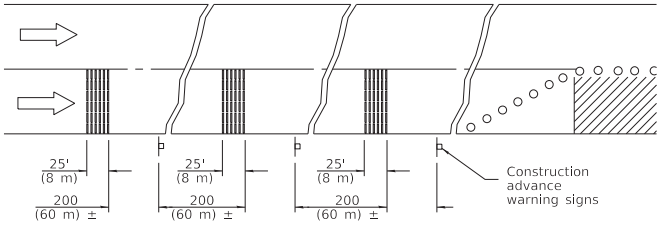
ARROW BOARDS

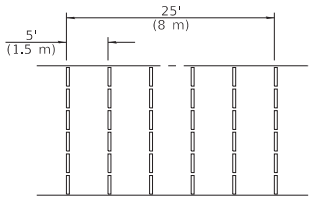


PLAN



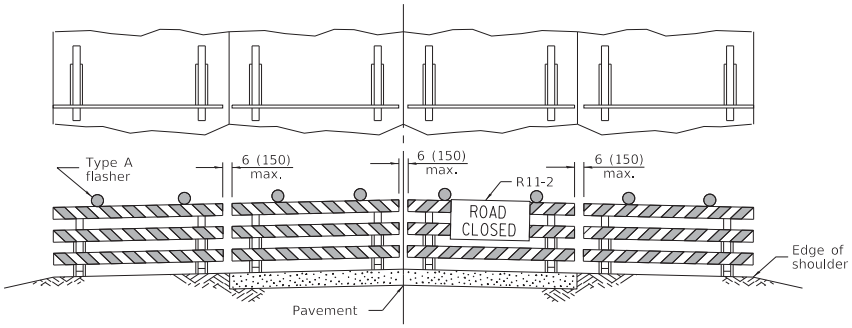
SECTION A-A





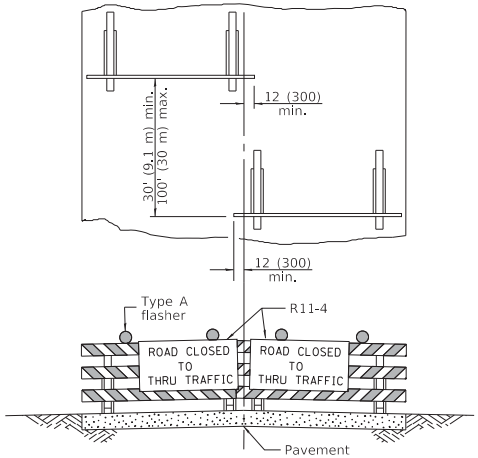
TYPICAL INSTALLATION

TEMPORARY RUMBLE STRIPS



ROAD CLOSED TO ALL TRAFFIC

Reflectorized striping may be omitted on the back side of the barricades. If a Type III barricade with an attached sign panel which meets NCHRP 350 is not available, the sign may be mounted on an NCHRP 350 temporary sign support directly in front of the barricade.



ROAD CLOSED TO THRU TRAFFIC

Reflectorized striping shall appear on both sides of the barricades. If a Type III barricade with an attached sign panel which meets NCHRP 350 is not available, the signs may be mounted on NCHRP 350 temporary sign supports directly in front of the barricade.

TYPICAL APPLICATIONS OF TYPE III BARRICADES CLOSING A ROAD

Illinois Department of Transportation

APPROVED January 1, 2019
ENGINEER OF SAFETY PROG. AND ENGINEERING

APPROVED January 1, 2019
ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-13

TRAFFIC CONTROL DEVICES

(Sheet 3 of 3)

STANDARD 701901-08

ABC Construction
123 Main St., Chicago, IL 60001

1/1/2017 | Pay Estimate #1 – Clarifying Statement

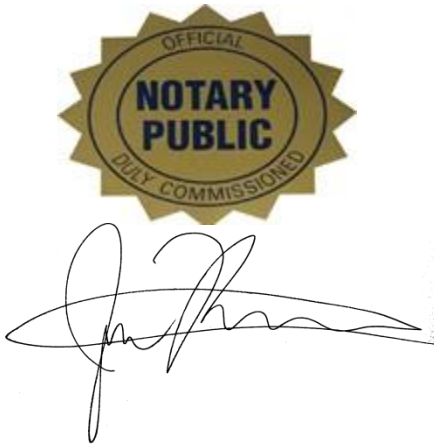
Kyle Johnson
Civil Engineer II
Village of Buffalo Grove
51 Raupp Blvd.
Buffalo Grove, IL 60089

ABC Construction has submitted all necessary certified payroll documentation for Pay Estimate #1 through January 1st, 2017. Payrolls included in this period are:

ABC Construction	Week Ending 12/24/16 #1
	Week Ending 1/1/17 #2
Subcontractor 1	Week Ending 1/1/17 #1

Sincerely,

Joe Smith, Vice President



ABC Construction
123 Main St., Chicago, IL 60001

1/1/2017 | Week of January 1st, 2017 – Weekly Update

Kyle Johnson
Civil Engineer II
Village of Buffalo Grove
51 Raupp Blvd.
Buffalo Grove, IL 60089

Here is the weekly update for the week of January 1(weather permitting)
Monday, January 1 – Curb and concrete driveway removal on West side of Lauren and North side of Mohawk. Access made temporary after removal but before pour.
Tuesday, January 2 – Curb and concrete driveway removal continues on North side Mohawk and East side of Gregg. Access made temporary after removal but before pour.
Wednesday, January 3 – Curb poured on West side of Lauren, North Side of Mohawk and East side of Gregg.
Thursday, January 4 – Concrete driveways and sidewalks poured Lauren, Mohawk, and Gregg.
Friday, January 5 – Structure adjustments and any remaining concrete poured.

ABC Construction will pass out notices the day before notifying residents of this closing and will also knock on door the day of removal to avoid trapping any vehicles in. Concrete curb and aprons are scheduled to be poured starting Wednesday January 3 and there will be no access to driveways for seven days. ABC Construction will distribute a notification of this closureand explain your overnight parking options. Thank you for your patience throughout the ongoing project.

All streets in construction zone will be open but you will encounter delays as we load and unload materials. All driveways will be open during construction except for when we are installing water services directly adjacent to a driveway there will be a time where access will be limited. ABC will notify residents and make arrangements to ensure you have use of your vehicles during this time. Thank you again for your patience and understanding during construction.

Sincerely,

Joe Smith, Vice President

ABC Construction
123 Main St., Chicago, IL 60001
123-123-1234

1/1/2017 Driveway Closure Notice

Resident
Buffalo Grove, IL 60089

As part of the road rehabilitation process a portion of curb, and possibly a portion of your driveway apron, will be replaced. Please have all vehicles out of your driveway by 7 AM on;

_____ , _____, 2017
(day) (date)

During the rehabilitation process you will lose access to your driveway for a maximum of 7 working days from this date regardless of weather. If access is prior to the 7 days it will be recognizable by the removal of the barricades.

Parking: You may park on either side of the street as long as you are not inhibiting curb/driveway removal, consequential replacement of either or as otherwise noted by law. The Police Department has been notified and overnight parking restrictions have been lifted for all roadways under construction and the adjacent streets. For everyone's safety please do not park on the roadways under construction during working hours (7 AM to 6 PM, Monday thru Friday).

Notice: You have received this notice at least 1 day in advance of construction. As a courtesy, we will knock on your door one time the morning of the removal process. It is still up to you to have your car out by 7AM on the noted day. Thank you in advance for your cooperation.

This notice has been hand-delivered to you by the construction contractor, ABC Construction.

Any questions regarding this notice can be directed to the Project Manager Joe Smith at 321-765-4321.

Sincerely,

Joe Smith, Project Manager

3/31/2014
#100302
7/14/2016
#669681

SAMPLE LETTER OF CREDIT

ABC Bank
123 Main Street
Anywhere, Illinois

Irrevocable Standby Letter of Credit No. 1

Beneficiary:
Village of Buffalo Grove
Fifty Raupp Road
Buffalo Grove, IL 60089-219

Applicant:
Developer Company
Lake Cook Road
Buffalo Grove, Il 60089

Issue Date: October 18, 2012
Expiration Date: October 18, 2012

Gentlemen:

We hereby issue in your favor our Irrevocable Standby Letter of Credit No. 1 ("Letter of Credit") in favor of the Village of Buffalo Grove ("Beneficiary") on behalf of Developer Company ("Applicant"), up to the aggregate amount of $171,026.94 (One Hundred Seventy One Thousand Two Hundred Fifty Nine and 94/100 United States Dollars) to be available by draft(s) at sight. This credit is issued presentable and payable at the offices of our ABC Bank 123 Main Street, Anywhere, Illinois Attn: Letter of Credit Department and expires at 5:00 PM Chicago time on October 18, 2013 (subject to extension of such expiry date, as provided below).

This Credit is available against presentation of draft(s) drawn at sight on ABC Bank, Anywhere, Illinois. All draft(s) drawn under this Letter of Credit must bear the clause "Drawn under ABC Bank Irrevocable Letter of Credit No. 1 dated October 18, 2012", and be accompanied by this original Letter of Credit (and amendments, if any) and a dated certificate of an authorized official agent of the Village of Buffalo Grove (signed as such), certifying that either:

1) Said Letter of Credit is about to expire and has not been extended; or
2) Work has not been completed and formally accepted by the President and Board of Trustees of the Village of Buffalo Grove, in accordance with the plans specification, and agreements (including amendments thereof) for the project commonly known as Residential Development on Main Street.

This Letter of Credit shall be automatically extended for an additional period of one year from the present and each future expiration date unless we have notified the Beneficiary in writing, no more than one hundred twenty (120) calendar days nor less than sixty (60) calendar days before such expiration date, that we elect not to extend this Letter of Credit. Our notice of such election shall be sent by certified mail overnight courier service to the above Beneficiary address Attention: Village Clerk. Drafts must be

presented to drawee bank no later than 5:00 PM Central Time on or before the expiry day. Upon receipt by you of our notice of election not to extend this Letter of Credit, you may draw hereunder prior to the then current expiration date of this Letter of Credit.

We hereby agree with you that drafts drawn under and in compliance with the terms of this Letter of Credit shall be honored no later than the close of the third banking day following the presentment. If we fail to honor same, we agree to pay all attorneys fees, court costs and other expenses incurred by the Village of Buffalo Grove in enforcing the terms of this Letter of Credit.

Cancellation of Letter of Credit prior to expiration: This Letter of Credit (and amendments, if any) must be returned to us for cancellation with a statement signed by the Beneficiary stating that the Letter of Credit is no longer required and is being returned to the issuing bank for cancellation.

Jurisdiction of this letter of Credit shall be in the State of Illinois and venue shall be Cook County.

Please address all correspondence regarding this Letter of Credit to the attention of our Letter if Credit Department mentioning our Letter of Credit as it appears above.

Very Truly Yours,
ABC Bank

By:
Its: Vice President

TEMPORARY NO PARKING

_____

TIME:

_____

_____

DATE:

_____

CONSTRUCTION ZONE

Note – Hand written information must be dark, legible and large. Sign shall be printed on more than paper, unless laminated. Must withstand winds and stay on stake/lath.

EXHIBIT NO.109
MATERIALS LIST

Date of revision: 1/1/16

Water Distribution Material Specifications:

Water main pipe.	Ductile Iron Pipe. Pipe class thickness—AWWA C150, minimum thickness, Class 52. Pipe—AWWA C151. Pipe lining—AWWA C104. Fittings—AWWA C153. Joints—mechanical and push-on, AWWA C111. Wrap—4 mil. X-Lam conforming to AWWA C105.A21.5 and AWWA C600. No 90 degree bends allowed. All stainless steel trim.
Valves.	American Flow Control, Series 2500 resilient wedge gate valve, All sizes two inch to fourteen inch, counter clockwise to open, AWWA C500., AWWA C504. Clow AWWA C-504 Butterfly Valve for sixteen inch and above. Joint end—mechanical, AWWA C111. All stainless steel trim.
Valve Vault.	All structures shall be monolithically precast with designed openings or mechanically cored in the field and shall have rubber boots conforming to ASTM C-923. Dog house vaults are excluded from these requirements when permitted by Village Engineer. Size: For six and eight inch diameter valves, valve vaults shall have a forty-eight inch inside diameter; for pressure connections and valves ten inches and larger in diameter, valve vaults shall have a sixty inch inside diameter. All valve vault cones must be eccentric centers with valve properly aligned.
Castings.	East Jordan Iron Works 1022 Frame and Lid or Neenah R-1713, embossed per Exhibit No. 401 of Buffalo Grove Numerical Code Title 16.
Fire Hydrant.	Waterous Pacer Model WB67-250, AWWA C502, painted fire engine red above ground, with resilient wedge auxiliary gate valve. Nozzles, two at two and one half inch, one at four and one half inch, with threads conforming to National Standard Specifications. Frangible section (breakaway type) with the break line flange located one inch above finished grade. Joint end, six inch, mechanical or push-on. All stainless steel trim. Auxiliary boxes and hydrants shall be a direct flange-to-flange connection.
Fire hydrant extension	Fire hydrant extensions and parts to be manufactured by Waterous only. All stainless steel trim.
Hydrant Valve Box \ Valve boxes	Hydrant Valve Box Tyler 664-S. Lid embossed "WATER." Rubber valve box stabilizer required.
Service Pipe.	Copper tube, two inches and smaller, ASTM B88, Type K (1" minimum). Ductile iron, larger than two inches. Conform to Water main section above. Service upgrade for existing water main requires a stainless steel tap repair clamp. Ford model FS1-CC, minimum length 15” long.
Corporation Stop.	Mueller H15000, 1” minimum, AWWA C800. 1” Direct tap or 1 1/4” and larger shall use Ford FC202 stainless steel band, epoxy coated saddle.
Curb Stop.	Copper service, Mueller H-15154. Ductile iron service, Resilient wedge counter clockwise to open, AWWA C500. Joint end—mechanical, AWWA C111.
Curb box	Copper service, Mueller H-10302. Ductile iron service, conform to Hydrant Valve Box section above. Ductile iron service, 6” and larger, conform to Valve Vault section above.
Copper to Copper Fittings	Mueller Company Model #H-15400. An all flared coupling is required, no sweat joint or compression allowed.
Pressure Connections	Ford FTSS style tapping sleeve. American Flow Control Series 2500 tapping valve four inch minimum. All stainless steel trim.

Sanitary Sewer Material Specifications:

Sewer and Service Connection Pipe	Reinforced concrete pipe—circular reinforcement, minimum Class 3, ASTM C76, with epoxy lining. PVC solid wall (SDR-26H) pipe—ASTM D-3034 for six to fifteen inches in diameter.
Sewer and Service Connection Pipe Joints.	Reinforced concrete pipe—ASTM C443. PVC solid wall (SDR-26H) pipe—ASTM D-3212 for six to eighteen inches in diameter.
Sewer and Service Connection Pipe Fittings	PVC solid wall (SDR-26H) pipe—ASTM D3034 for six to fifteen inches in diameter.
Casing Pipes.	Steel pipe—ASTM A120, three-eighths inch minimum thickness.
Manholes	Size: For sewer eighteen inch diameter or less, manhole shall have a forty- eight inch inside diameter. For sewer twenty-one inch to thirty-six inch diameter, manhole shall have a sixty inch inside diameter. For sewer greater than thirty-six inch diameter, manhole shall have an offset riser pipe of forty- eight inch inside diameter. All structures shall be monolithically precast including bases and invert flow lines.
Castings.	East Jordan Iron Works Frame 1022 or Neenah R-1713, with self-sealing lid and recessed pick hole, embossed per Exhibit No. 301 of Buffalo Grove Numerical Code Title 16.

Storm Sewer System Material Specifications:

Structures.	All structures shall be precast with designed openings or mechanically cored in the field.
Castings.	Closed Lid, East Jordan Iron Works 1022 or Neenah R-1713, embossed per Exhibit No. 201., Open Lid, East Jordan Iron Works 1022 or Neenah R-1713, Standard B4.12 or any other barrier curb, Type 11— East Jordan Iron Works 7210 or Neenah 3281-A or Neenah 3170 on existing structures where required. Box height must be 6" minimum with 5' tapers to match curb height., Depressed barrier curb, Type M3 Grate, Yard inlet, Type 8— East Jordan Iron Works 6517 or Neenah R-4340-B
Sewer Pipe Joints.	Reinforced concrete pipe—ASTM C443 or C361. PVC solid wall (SDR-26H) pipe—ASTM D-3212 for six to eighteen inches in diameter.
Sump pump service connection pipe/sub surface drain pipe.	4" PVC solid wall sewer pipe SDR-35. Blind connections must be cored in storm sewer and pipe connection shall be made with a rubber boot and stainless steel band. Sump pump per Exhibit No. 202 of Buffalo Grove Numerical Code Title 16 and underdrain per Exhibit No. 203.

Material Specifications For All Utilities:

Bedding	CA-11, Class B or better. All stone shall be crushed; rounded aggregate will not be permitted. The stone shall be compacted to 90% modified proctor density as required by ASTM D1557 or AASHTO T-180. Recycled materials permitted from IDOT approved sources meeting the correct gradations.
Trench Backfill	CA-11, Class B or better. This item shall meet the requirements of Class B CA-11, per the IDOT Standard Specifications for Road and Bridge Construction. All stone shall be crushed; rounded aggregate will not be permitted. The stone shall be compacted to 95% modified proctor density as required by ASTM D1557 or AASHTO T-180. Jetting of trenches is not permitted. Recycled materials permitted from IDOT approved sources meeting the correct gradations.
Adjustments	No more than two precast concrete adjusting rings with six inch maximum height adjustment shall be allowed, minimum one 2" ring installed on new structures. All adjustment rings less than 2" shall be HDPE rings. Only one HDPE may be used within the precast tolerances. Only precast concrete or

	HDPE adjustment rings permitted. ½" x 3.5" mastic to be used between all frames, rings and structures. Mortar around rings, but none between. Bed of mortar can be used on cone or flat top of structure.

Miscellaneous Material Specifications:

Detectable Warnings	East Jordan Iron Works or Neenah cast iron detectable warnings. Color shall be brick red.
Concrete	In accordance with IDOT Standard Specifications for Road and Bridge Construction
Asphalt	In accordance with IDOT Standard Specifications for Road and Bridge Construction and Section 16.50.070 of the Village of Buffalo Grove Municipal Code

* The Village Engineer shall have the authority to approve the use of alternative materials than those specifically required by Exhibit 109 in the manner provided for in Title 16 of the Village of Buffalo Grove Numerical Code. The Village Engineer may approve alternative materials that are not specifically required by this title when:

1. The materials or their components required by this title are no longer manufactured and available for purchase; and

2. The alternative materials are generally consistent with requirements of this title, including but not limited to those standards relating to production, composition, safety and aesthetics.

Testing Specifications:

(In addition to the requirements of IDOT's Standard Specifications for Road and Bridge Construction or the Standard Specifications for Water and Sewer Construction in Illinois)

Storm Sewer	Cleaning and televising, with reporting, as directed by the Village Engineer
Sanitary Sewer	Cleaning and televising, with reporting, as directed by the Village Engineer

*When conflicting information exists between the plans specifications and this exhibit number 109 the information listed in exhibit number 109 shall govern. All castings on a project or development shall come from a single manufacturer.

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
1021 North Grand Avenue, East; Post Office Box 19276; Springfield, IL 62794-9276
Division of Public Water Supplies Telephone 217/782-1724

PUBLIC WATER SUPPLY CONSTRUCTION PERMIT

SUBJECT: BUFFALO GROVE (IL0314180)

Permit Issued to:
Village of Buffalo Grove
51 Raupp Boulevard
Buffalo Grove, IL 60089

PERMIT NUMBER: 1347-FY2019

DATE ISSUED: July 15, 2019
PERMIT TYPE: Water Main Extension

The issuance of this permit is based on plans and specifications prepared by the engineers/architects indicated, and are identified as follows. This permit is issued for the construction and/or installation of the public water supply improvements described in this document, in accordance with the provisions of the "Environmental Protection Act", Title IV, Sections 14 through 17, and Title X, Sections 39 and 40, and is subject to the conditions printed on the last page of this permit and the ADDITIONAL CONDITIONS listed below.

FIRM: BLA, Inc.
NUMBER OF PLAN SHEETS: 25
TITLE OF PLANS: "University Drive Street and Utility Improvement"

PROPOSED IMPROVEMENTS:

The installation of approximately 15 feet of 12-inch, 2,385 feet of 10-inch, 37 feet of 8-inch and 112 feet of 6-inch water main.

ADDITIONAL CONDITIONS:

1. A lead informational notice must be given to each potentially affect residence at least 14 days prior to the permitted water main work. The notification must satisfy the requirements of Section 17.11 of the Environmental Protection Act. If notification is required to a residence that is a multidwelling building, posting at the primary entrance way to the building shall be sufficient. If the community water supply serves a population less than 3,301, alternative notification means may be utilized in lieu of an individual written notification. Refer to Section 17.11 for alternative notification requirements. Enclosed is suggested language for the notice. If this project involves water service to a significant proportion of non-English speaking consumers, the notification must contain information in the appropriate language regarding the importance and how to obtain a translated copy. The Responsible Operator in Charge of the community water system is responsible for preparing the notice. A copy of the notice used must be submitted to the Agency with the Application for Operating Permit.

2. All water mains shall be satisfactorily disinfected prior to use. In accordance with the requirements of AWWA C651-05, at least one set of samples shall be collected from every 1,200 feet of new water main, plus one set from the end of the line and at least one set from each branch. Satisfactory disinfection shall be demonstrated in accordance with the requirements of 35 Ill. Adm. Code 602.310.

3. There are no further conditions to this permit.

DCC:GAZ

cc: BLA, Inc.
Elgin Regional Office
Cook County Health Department
IDPH/DEH – Plumbing and Water Quality Program

David C. Cook, P.E.
Manager, Permit Section
Division of Public Water Supplies

STANDARD CONDITIONS FOR CONSTRUCTION/DEVELOPMENT PERMITS
ISSUED BY THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

The Illinois Environmental Protection Agency Act (Illinois Compiled Statutes, Chapter 111-1/2, Section 1039) grants the Environmental Protection Agency authority to impose conditions on permits which it issues.

These standard conditions shall apply to all permits which the Agency issues for construction or development projects which require permits under the Division of Water Pollution Control, Air Pollution Control, Public Water Supplies and Land Pollution Control. Special conditions may also be imposed by the separate divisions in addition to these standard conditions.

1. Unless this permit has been extended or it has been voided by a newly issued permit, this permit will expire one year after this date of issuance unless construction or development on this project has started on or prior to that date. (See standard condition #8 below)

2. The construction or development of facilities covered by this permit shall be done in compliance with applicable provisions of Federal laws and regulations, the Illinois Environmental Protection Act, and Rules and Regulations adopted the Illinois Pollution Control Board.

3. There shall be no deviations from the approved plans and specifications unless a written request for modification of the project, along with plans and specifications as required, shall have been submitted to the Agency and a supplemental written permit issued.

4. The permittee shall allow any agent duly authorized by the Agency upon the presentation of credentials:

   a. to enter at reasonable times the permittee's premises where actual or potential effluent, emission or noise sources are located or where any activity is to be conducted pursuant to this permit.

   b. to have access to and copy at reasonable times any records required be kept under the terms and conditions of this permit.

   c. to inspect at reasonable times, including during any hours or operation of equipment constructed or operated under this permit, such equipment or monitoring methodology or equipment required to be kept, used, operated, calibrated and maintained under this permit.

   d. to obtain and remove at reasonable times samples of any discharge or emission of pollutants.

   e. to enter at reasonable times and utilize any photographic, recording, testing, monitoring or other equipment for the purpose of preserving, testing, monitoring, or recording any activity, discharge, or emission authorized by this permit.

5. The issuance of this permit:

   a. shall not be considered as in any manner affecting the title of the permits upon which the permitted facilities are to be located;

   b. does not release the permittee from any liability for damage to person or property caused by or resulting from the construction, maintenance, or operation of the proposed facilities;

   c. does not release the permittee from compliance with the other applicable statues and regulations of the United States, of the State of Illinois, or with applicable local laws, ordinances and regulations;

   d. does not take into consideration or attest to the structural stability of any units or parts of the project;

   e. in no manner implies or suggests that the Agency (or its officers, agents or employees) assumes any liability directly or indirectly for any loss due to damage, installation, maintenance, or operation of the proposed equipment or facility.

6. These standard conditions shall prevail unless modified by special conditions.

7. The Agency may file a complaint with Board of modification, suspension or revocation of a permit:

   a. upon discovery that the permit application misrepresentation or false statements or that all relevant facts were not disclosed; or

   b. upon finding that any standard or special conditions have been violated; or

   c. upon any violation of the Environmental Protection Act or any Rules or Regulation effective thereunder as a result of the construction or development authorized by this permit.

8. Division of Public Water Supply Construction Permits expire one year from date of issuance or renewal, unless construction has started. If construction commences within one year from date of issuance or renewal, the permit expires five years from the date of permit issuance or renewal. A request for extension shall be filed prior to the permit expiration date.

Lead Informational Notice

IMPORTANT INFORMATION ABOUT YOUR DRINKING WATER

Dear Water Customer: Today's Date:_____

Our water system will soon begin a water line maintenance and/or construction project that may affect the lead content of your potable water supply. Lead, a metal found in natural deposits, is harmful to human health, especially young children. The most common exposure to lead is swallowing or breathing in lead paint chips and dust. However, lead in drinking water can also be a source of lead exposure. In the past, lead was used in some water service lines and household plumbing materials. Lead in water usually occurs through corrosion of plumbing products containing lead; however, disruption (construction or maintenance) of lead service lines may also temporarily increase lead levels in the water supply. This disruption may be sometimes caused by water main maintenance/replacement. As of June 19, 1986, new or replaced water serviced lines and new household plumbing materials could not contain more than 8% lead. Lead content was further reduced on January 4, 2014, when plumbing materials must now be certified as "lead-free" to be used (weighted average of wetted surface cannot be more than 0.25% lead).

The purpose of this notice is for informational purposes only. While it's not known for certain whether or not this particular construction project will adversely affect the lead (if present) plumbing in and outside your home, below describes some information about the project and some preventative measures you can take to help reduce the amount of lead in drinking water.

Project Start Date:_____ Project expected to be completed by:_____

Project location and description:

_____

_____

_____

What you can do to reduce lead exposure in drinking water during this construction project:

Run your water to flush out lead. If the plumbing in your home is accessible; you may be able to inspect your own plumbing to determine whether or not you have a lead service line. Otherwise, you will most likely have to hire a plumber.

- If you do not have a lead service line, running the water for 1 – 2 minutes at the kitchen tap should clear the lead from your household plumbing to the kitchen tap. Once you have done this, fill a container with water and store it in the refrigerator for drinking, cooking, and preparing baby formula throughout the day.
- If you do have a lead service line, flushing times can vary based on the length of your lead service line and the plumbing configuration in your home. The length of lead service lines varies considerably. Flushing for at least 3 – 5 minutes is recommended.

Use cold water for drinking, cooking, and preparing baby formula. Do not cook with or drink water from the hot water tap; lead dissolves more easily into hot water. Do not use water from the hot water tap to make baby formula.

Look for alternative sources or treatment of water. You may want to consider purchasing bottled water or a water filter that is certified to remove "total lead".

Clean and remove any debris from faucet aerators on a regular basis.

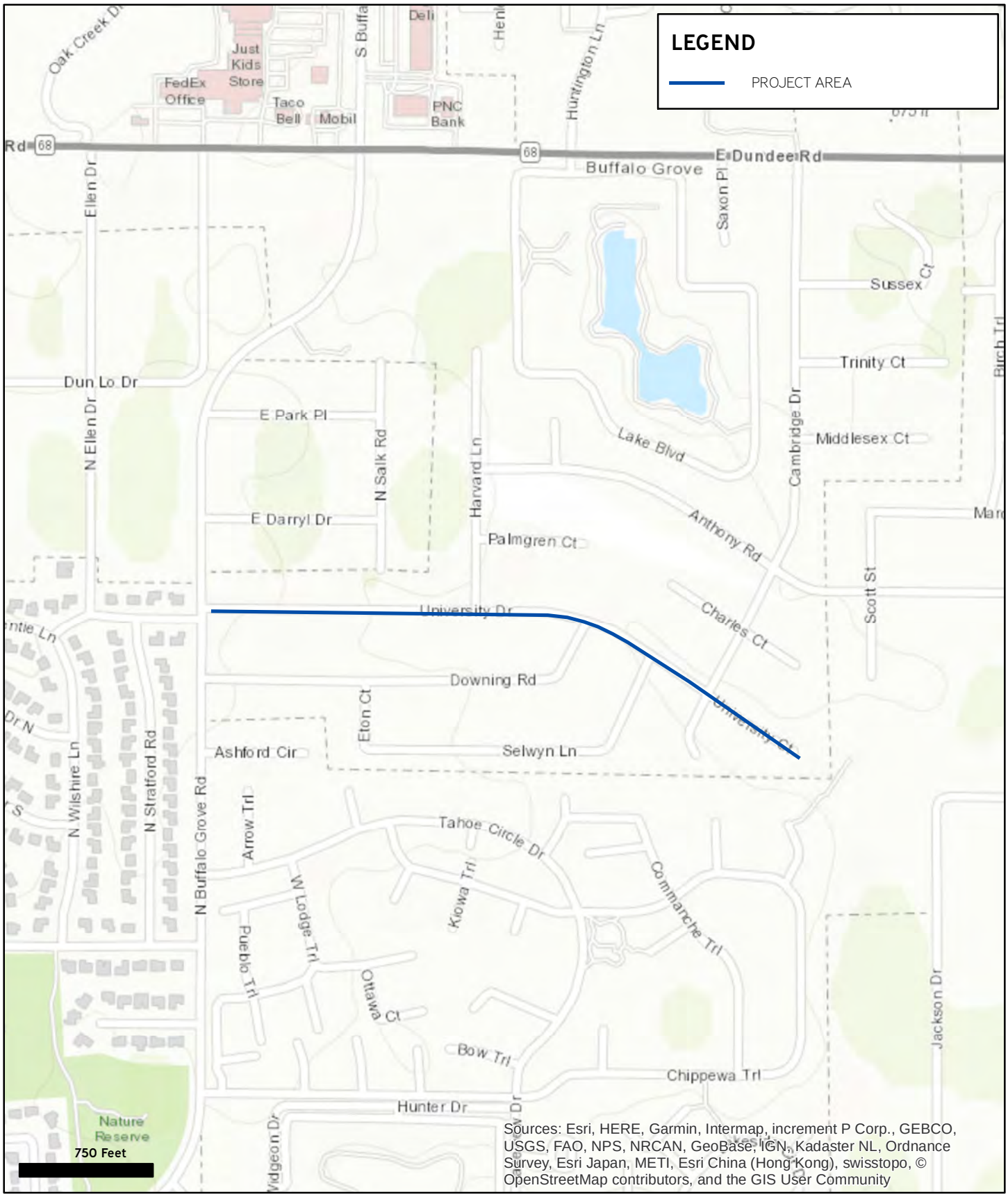
Do not boil water to remove lead. Boiling water will not reduce lead.

Purchase lead-free faucets and plumbing components.

Remove the entire lead service line.

Test your water for lead. Call us at: _____to find out how to get your water tested for lead. While we do not do the testing, we can provide a list of laboratories certified to do the testing. Laboratories will send you the bottles for sample collection. Please note that we are not affiliated with the laboratories and they will charge you a fee.

- If test results indicate a lead level above 15 ug/L, bottled water should be used by pregnant women, breast-feeding women, young children, and formula-fed infants.

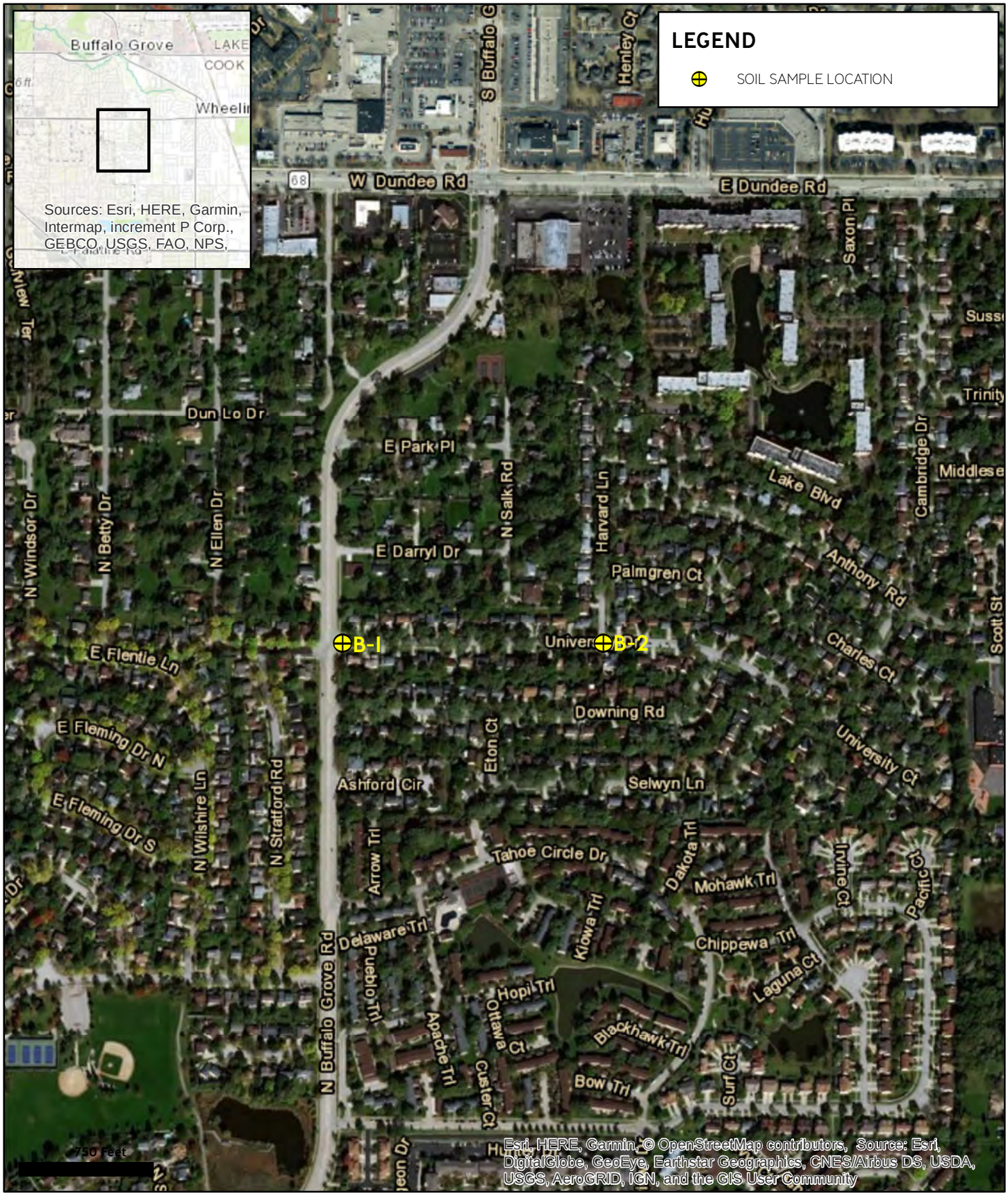


TRUE NORTH CONSULTANTS
1000 EAST WARRENVILLE ROAD
NAPERVILLE, ILLINOIS 60563
ENVIRONMENT : DEVELOPMENT : INFRASTRUCTURE

SITE	UNIVERSITY DRIVE BUFFALO GROVE ROAD TO DEAD END (EAST) BUFFALO GROVE, ILLINOIS
CLIENT	SOIL AND MATERIAL CONSULTANTS, INC. 8 WEST COLLEGE DRIVE, SUITE C ARLINGTON HEIGHTS, ILLINOIS

PROJECT	TII9355
DATE	5/31/2019
SCALE	1 inch=750 feet

FIGURE 1



TRUE NORTH CONSULTANTS
1000 EAST WARRENVILLE ROAD
NAPERVILLE, ILLINOIS 60563
ENVIRONMENT : DEVELOPMENT : INFRASTRUCTURE

SITE	UNIVERSITY DRIVE BUFFALO GROVE ROAD TO DEAD END (EAST) BUFFALO GROVE, ILLINOIS
CLIENT	SOIL AND MATERIAL CONSULTANTS, INC. 8 WEST COLLEGE DRIVE, SUITE C ARLINGTON HEIGHTS, ILLINOIS

PROJECT	TII9355
DATE	5/31/2019
SCALE	1 inch=750 feet

FIGURE 1

PDC Laboratories, Inc.

Thursday, May 30, 2019

Marjory Bredrup
True North Consultants
1000 East Warrenville Rd. #140
Naperville, IL 60563
TEL: (630) 717-2880
FAX: (630) 689-5881

RE: University Dr: Buffalo Grove-Dead End PDC WO: 19E0476

PDC Laboratories, Inc. received 1 sample(s) on 5/22/2019 for the analyses presented in the following report.

All applicable quality control procedures met method specific acceptance criteria unless otherwise noted.

If you have any questions, please feel free to contact me at (217) 753-1148.

Respectfully submitted,

Kristen A. Potter
Project Manager

Certifications: NELAP/NELAC - IL #100323

LABORATORY RESULTS

Client: True North Consultants
Project: University Dr: Buffalo Grove-Dead End
Client Sample ID: B-2
Collection Date: 5/21/19 13:30

Lab Order: 19E0476
Lab ID: 19E0476-01
Matrix: Solid

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Conventional Chemistry Parameters									
***pH**	**8.5**	0.010		pH Units	1	5/29/19 12:16	5/29/19 16:08	SW9045C R3	clh

LABORATORY RESULTS

Client: True North Consultants
Project: University Dr: Buffalo Grove-Dead End **Lab Order:** 19E0476

Conventional Chemistry Parameters - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch C002080 - SW 9045C pH										
Duplicate (C002080-DUP1)		**Source: 19E0510-01**		Prepared & Analyzed: 05/29/2019						
pH	5.3	0.010	pH Units		5.3			0.2	5	

LABORATORY RESULTS

Client: True North Consultants
Project: University Dr: Buffalo Grove-Dead End **Lab Order:** 19E0476

Notes and Definitions

*	NELAC certified compound.
U	Analyte not detected (i.e. less than RL or MDL).

Chain of Custody Record

1950476/2054948

Phone: (847)-651-2604
FAX: (847) 458-9680

PDC Laboratories, Inc.
9114 Virginia Road Suite 112
Lake in the Hills, IL 60156

Client	True North Consultants
Address	1000 East Warrenville Rd. #140
City State Zip Code	Naperville, Illinois 60563
Phone / Facsimile	630.717.2880/630.689.5881
Project Name / Number	University Drive
Project Location	Buffalo Grove Rd to Dead End
PO/Quote/Invoice To	T119355
Contact Person	M. Bredrup, B. Mihelich, L. Schroeder, M. Kupczyk, I. Johnson

Analysis and/or Method Requested

Sample Description	Sampling Date	Sampling Time	Matrix S	Preserv Code	No. of Containers	Sample Type Comp	Sample Type Grab	pH									Sample Comments
B-2	5/21/2019	1330	S	0	1		X	X									

Reporting: CCDD ■ MAC; TACO ☐ A ☐ B ☐ C ☐ D ☐ E ☐ F; RSC ☐ Resid ☐ Indust

Matrix Code	A - Aqueous	DW - Drinking Water	GW - Ground Water	NA - Non-Aqueous Liquid	S - Solid	O - Oil	X - Other (Specify)
Preserv Code	0 - None	1 - HCl	2 - H2SO4	3 - HNO3	4 - NaOH	5 - 5035 Kit	X - Other (Specify)

Relinquished By	Date	Time	Received By	Date	Time	Method of Shipment
M Kupczyk	5/21/19	1550		5/22/19	1510	
	5/22/19	1700	K Gregory	5/23/19	11:55	UPS

Special Instructions:

Turnaround Time: Standard ■ Rush ☐
Date Required:

QC Level: 1☐ 2■ 3☐ 4☐

On wet ice? Yes No

Temperature (°C)

PAS COC Rev. 3

Page 1 of 1

Copies: White - Client / Yellow - PAS, Inc. /

PDC Laboratories, Inc.

Thursday, May 30, 2019

Marjory Bredrup
True North Consultants
1000 East Warrenville Rd. #140
Naperville, IL 60563
TEL: (630) 717-2880
FAX: (630) 689-5881

RE: University Dr: Buffalo Grove-Dead End PDC WO: 19E0477

PDC Laboratories, Inc. received 1 sample(s) on 5/22/2019 for the analyses presented in the following report.

All applicable quality control procedures met method specific acceptance criteria unless otherwise noted.

If you have any questions, please feel free to contact me at (217) 753-1148.

Respectfully submitted,

Kristen A. Potter
Project Manager

Certifications: NELAP/NELAC - IL #100323

LABORATORY RESULTS

Client: True North Consultants
Project: University Dr: Buffalo Grove-Dead End
Lab Order: 19E0477
Client Sample ID: B-1
Lab ID: 19E0477-01
Collection Date: 5/21/19 13:00
Matrix: Solid

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Conventional Chemistry Parameters									
***pH**	**8.3**	0.010		pH Units	1	5/29/19 12:16	5/29/19 16:08	SW9045C R3	clh

LABORATORY RESULTS

Client: True North Consultants
Project: University Dr: Buffalo Grove-Dead End **Lab Order:** 19E0477

Conventional Chemistry Parameters - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch C002080 - SW 9045C pH										
Duplicate (C002080-DUP1)		**Source: 19E0510-01**		Prepared & Analyzed: 05/29/2019						
pH	5.3	0.010	pH Units		5.3			0.2	5	

LABORATORY RESULTS

Client: True North Consultants
Project: University Dr: Buffalo Grove-Dead End **Lab Order:** 19E0477

Notes and Definitions

*	NELAC certified compound.
U	Analyte not detected (i.e. less than RL or MDL).

Chain of Custody Record

Phone: (847)-651-2604
FAX: (847) 458-9680

19E0477/2054949

PDC Laboratories, Inc.
9114 Virginia Road Suite 112
Lake in the Hills, IL 60156

Client	True North Consultants
Address	1000 East Warrenville Rd. #140
City/State/Zip Code	Naperville, Illinois 60563
Phone/Facsimile	630.717.2880/630.689.5881
Project Name/Number	University Drive
Project Location	Buffalo Grove Rd to Dead End
P.O. Number/Invoice To	T119355
Contact/Report To	M. Bredrup, B. Mihelich, L. Schroeder, M. Kupczyk, I. Johnson

Analysis and/or Method Requested: pH

Reporting: CCDD ■ MAC; CALM ☐ A ☐ B ☐ C ☐ D ☐ E ☐ F; RISC ☐ Resid ☐ Indust

Sample Description	Sampling Date	Sampling Time	Matrix	Preserv Code	No. of Containers	Sample Type Comp	Sample Type Grab	pH									Sample Comments
B-1	5/21/2019	1300	S	0	1		X	X									

Matrix Code	A - Aqueous	DW - Drinking Water	GW - Ground Water	NA - Non-Aqueous Liquid	S - Solid	O - Oil	X - Other (Specify)
Preserv Code	0 - None	1 - HCl	2 - H2SO4	3 - HNO3	4 - NaOH	5 - 5035 Kit	X - Other (Specify)

Relinquished By	Date	Time	Received By	Date	Time	Method of Shipment
[signature]	5/21/19	1550	[signature]	5/22/19	1800	
[signature]	5/22/19	1700	K Gregory	5/23/19	11:55	UPS

Special Instructions:

Turnaround Time: Standard ■ Rush ☐
Date Required:

QC Level: 1☐ 2■ 3☐ 4☐

On wet ice? Yes ✗ No

Temperature (°C): 2-6

PAS COC Rev. 3

Page 1 of 1

Copies: White - Client / Yellow - PAS, Inc. / Pink - Sampler

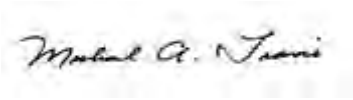
PDC Laboratories, Inc.
2231 W Altorfer Dr • Peoria, IL 61615
(309) 692-9688 • (800) 752.6651 • Fax (309) 692-9688

March 14, 2019

To Whom It May Concern:

The TNI accreditation # 100323 for PDC-Springfield will remain in force as it is currently, until IEPA provides the laboratory with a new Certificate of Accreditation. Any questions should be directed to John South, Accreditation Officer by email at John.South@Illinois.gov.

Thank you for your patience.



Michael A. Travis
Corporate Director of Quality Assurance
D: 309.683.1744 | mtravis@pdclab.com

PDC Laboratories, Inc.
2231 W Altorfer Drive, Peoria, IL 61615
800.752.6651 | www.pdclab.com

STATE OF ILLINOIS

ENVIRONMENTAL PROTECTION AGENCY
NELAP - RECOGNIZED
ENVIRONMENTAL LABORATORY ACCREDITATION

is hereby granted to

PDC- SPRINGFIELD

1210 CAPITAL AIRPORT DRIVE

SPRINGFIELD, IL 62707-8413

NELAP ACCREDITED

ACCREDITATION NUMBER #100323

According to the Illinois Administrative Code, Title 35, Subtitle A, Chapter II, Part 186, ACCREDITATION OF LABORATORIES FOR DRINKING WATER, WASTEWATER AND HAZARDOUS WASTES ANALYSIS, the State of Illinois formally recognizes that this laboratory is technically competent to perform the environmental analyses listed on the scope of accreditation detailed below.

The laboratory agrees to perform all analyses listed on this scope of accreditation according to the Part 186 requirements and acknowledges that continued accreditation is dependent on successful ongoing compliance with the applicable requirements of Part 186. Please contact the Illinois EPA Environmental Laboratory Accreditation Program (IL ELAP) to verify the laboratory's scope of accreditation and accreditation status. Accreditation by the State of Illinois is not an endorsement or a guarantee of validity of the data generated by the laboratory.

Celeste M. Crowley
Acting Manager
Environmental Laboratory Accreditation Program

John South
Accreditation Officer
Environmental Laboratory Accreditation Program

Certificate No.:	004302
Expiration Date:	01/31/2019
Issued On:	02/09/2018

State of Illinois
Environmental Protection Agency

Certificate No.: 004302

Awards the Certificate of Approval to:

PDC- Springfield
1210 Capital Airport Drive
Springfield, IL 62707-8413

According to the Illinois Administrative Code, Title 35, Subtitle A, Chapter II, Part 186, ACCREDITATION OF LABORATORIES FOR DRINKING WATER, WASTEWATER AND HAZARDOUS WASTES ANALYSIS, the State of Illinois formally recognizes that this laboratory is technically competent to perform the environmental analyses listed on the scope of accreditation detailed below.

The laboratory agrees to perform all analyses listed on this scope of accreditation according to the Part 186 requirements and acknowledges that continued accreditation is dependent on successful ongoing compliance with the applicable requirements of Part 186. Please contact the Illinois EPA Environmental Laboratory Accreditation Program (IL ELAP) to verify the laboratory's scope of accreditation and accreditation status. Accreditation by the State of Illinois is not an endorsement or a guarantee of validity of the data generated by the laboratory.

FOT Name: Drinking Water, Inorganic

Method: SM2320B,18Ed

Matrix Type: Potable Water

Alkalinity

Method: SM2340B,18Ed

Matrix Type: Potable Water

Hardness

Method: SM4110B,18Ed

Matrix Type: Potable Water

Chloride	Fluoride
Nitrate	Nitrite
Orthophosphate as P	Sulfate

Method: SM4500CN-E,18Ed

Matrix Type: Potable Water

Cyanide

Method: SM4500H-B,18Ed

Matrix Type: Potable Water

Hydrogen ion (pH)

Method: SM5310C,20Ed

Matrix Type: Potable Water

Total Organic Carbon (TOC)

Method: USEPA150.1

Matrix Type: Potable Water

Hydrogen ion (pH)

Method: USEPA200.7R4.4

Matrix Type: Potable Water

Aluminum	Arsenic
Barium	Beryllium
Cadmium	Calcium
Chromium	Copper

PDC- Springfield
1210 Capital Airport Drive
Springfield, IL 62707-8413

FOT Name: Drinking Water, Inorganic

Method: USEPA200.7R4.4

Matrix Type: Potable Water

Iron	Hardness (calc.)
Manganese	Magnesium
Silver	Nickel
Zinc	Sodium

Method: USEPA200.8R5.4

Matrix Type: Potable Water

Aluminum	Antimony
Arsenic	Barium
Beryllium	Cadmium
Chromium	Copper
Lead	Manganese
Mercury	Molybdenum
Nickel	Selenium
Silver	Thallium
Zinc	

Method: USEPA245.2

Matrix Type: Potable Water

Mercury

Method: USEPA300.0R2.1

Matrix Type: Potable Water

Chloride	Fluoride
Nitrate	Nitrite
Orthophosphate as P	Sulfate

FOT Name: Drinking Water, Organic

Method: USEPA524.2R4.1

Matrix Type: Potable Water

1,1,1-Trichloroethane	1,1,2-Trichloroethane
1,1-Dichloroethene	1,2-Dichlorobenzene
1,2-Dichloroethane	1,2-Dichloropropane
1,4-Dichlorobenzene	Benzene
Bromodichloromethane	Bromoform
Carbon tetrachloride	Chlorobenzene
Chlorodibromomethane	Chloroform

FOT Name: Drinking Water, Organic

Method: USEPA524.2R4.1

Matrix Type: Potable Water

Dichloromethane (Methylene chloride)
Methyl tert-butyl ether (MTBE)
Styrene
Toluene
trans-1,2-Dichloroethene
Vinyl chloride
cis-1,2-Dichloroethene
Ethylbenzene
Naphthalene
Tetrachloroethene
Total trihalomethanes
Trichloroethylene
Xylenes (total)

FOT Name: Non Potable Water, Inorganic

Method: SM2130B,2001

Matrix Type: NPW/SCM

Turbidity

Method: SM2310B,1997

Matrix Type: NPW/SCM

Acidity

Method: SM2320B,1997

Matrix Type: NPW

Alkalinity

Method: SM2340B,1997

Matrix Type: NPW

Hardness

Method: SM2540B,1997

Matrix Type: NPW

Residue (Total)

Method: SM2540C,1997

Matrix Type: NPW

Residue (TDS)

Method: SM2540D,1997

Matrix Type: NPW

Residue (TSS)

Method: SM3500Cr-B,2009

Matrix Type: NPW/SCM

Chromium VI

Method: SM4110B,2000

Matrix Type: NPW/SCM

FOT Name: Non Potable Water, Inorganic

Method: SM4110B,2000

Matrix Type: NPW/SCM

Bromide
Chloride
Fluoride
Nitrate
Nitrate-Nitrite (as N)
Nitrite
Orthophosphate (as P)
Sulfate

Method: SM4500Cl-G,2000

Matrix Type: NPW

Chlorine, Total Residual

Method: SM4500CN-E,1999

Matrix Type: NPW

Cyanide

Method: SM4500H-B,2000

Matrix Type: NPW

Hydrogen Ion (pH)

Method: SM4500NH3-D,1997

Matrix Type: NPW/SCM

Ammonia
Total Kjeldahl Nitrogen

Method: SM4500NH3-G,1997

Matrix Type: NPW

Ammonia

Method: SM4500O-G,2001

Matrix Type: NPW

Oxygen - Dissolved

Method: SM4500P-E,1999

Matrix Type: NPW

Orthophosphate (as P)
Phosphorus

Method: SM4500P-F,1999

Matrix Type: NPW

Orthophosphate (as P)

Method: SM4500S2-F,2000

Matrix Type: NPW/SCM

Sulfide

Method: SM5210B,2001

Matrix Type: NPW

PDC- Springfield
1210 Capital Airport Drive
Springfield, IL 62707-8413

FOT Name: Non Potable Water, Inorganic

Matrix Type: NPW

Method: SM5210B,2001

Biochemical Oxygen Demand (BOD)

Matrix Type: NPW/SCM

Carbonaceous Biochemical Oxygen Demand (CBOI

Method: SM5220D,1997

Matrix Type: NPW

Chemical Oxygen Demand (COD)

Method: SM5310C,2000

Matrix Type: NPW

Total Organic Carbon (TOC)

Method: USEPA160.4,1971

Matrix Type: NPW

Residue (Volatile)

Method: USEPA1664A

Matrix Type: NPW

Oil and Grease

Method: USEPA180.1R2.0,1993

Matrix Type: NPW

Turbidity

Method: USEPA200.7,1994

Matrix Type: NPW/SCM

Aluminum	Antimony
Arsenic	Barium
Beryllium	Cadmium
Calcium	Chromium
Cobalt	Copper
Iron	Lead
Magnesium	Manganese
Molybdenum	Nickel
Potassium	Selenium
Silver	Sodium
Thallium	Tin
Titanium	Vanadium
Zinc	

Method: USEPA200.8,1994

PDC- Springfield
1210 Capital Airport Drive
Springfield, IL 62707-8413

FOT Name: **Non Potable Water, Inorganic** **Method:** **USEPA200.8,1994**

Matrix Type: **NPW/SCM**

Aluminum	Antimony
Arsenic	Barium
Beryllium	Boron
Cadmium	Calcium
Chromium	Cobalt
Copper	Iron
Lead	Magnesium
Manganese	Molybdenum
Nickel	Potassium
Selenium	Silver
Sodium	Thallium
Tin	Titanium
Vanadium	Zinc

Method: **USEPA245.2,1974**

Matrix Type: **NPW/SCM**

Mercury

Method: **USEPA300.0R2.1,1993**

Matrix Type: **NPW**

Bromide	Chloride
Fluoride	Nitrate
Nitrate-Nitrite (as N)	Nitrite
Orthophosphate (as P)	Sulfate

Method: **USEPA350.1R2.0,1993**

Matrix Type: **NPW**

Ammonia

Method: **USEPA365.1R2.0,1993**

Matrix Type: **NPW**

Orthophosphate (as P)

Method: **USEPA410.4R2.0,1993**

Matrix Type: **NPW**

Chemical Oxygen Demand (COD)

Method: **USEPA420.1,1978**

Matrix Type: **NPW**

FOT Name: Non Potable Water, Inorganic

Matrix Type: NPW

Method: USEPA420.4R1.0,1993

Matrix Type: NPW

Phenolics

Method: USEPA420.1,1978

Phenolics

FOT Name: Solid and Chemical Materials, Inorganic

Method: 1010A

Matrix Type: NPW/SCM

Ignitability

Method: 1311

Matrix Type: SCM

TCLP (Organic and Inorganic)

Method: 1312

Matrix Type: SCM

Synthetic Precipitation Leaching Procedure

Method: 6010B

Matrix Type: NPW/SCM

Antimony
Arsenic
Barium
Beryllium
Cadmium
Calcium
Chromium
Cobalt
Copper
Iron
Lead
Magnesium
Manganese
Molybdenum
Nickel
Potassium
Selenium
Silver
Sodium
Strontium
Thallium
Tin
Titanium
Vanadium
Zinc

Method: 6020A

Matrix Type: NPW/SCM

Aluminum
Antimony
Arsenic
Barium
Beryllium
Boron

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Springfield, IL 62707-8413

FOT Name: Solid and Chemical Materials, Inorganic

Method: 6020A

Matrix Type: NPW/SCM

- Calcium
- Cadmium
- Chromium
- Cobalt
- Copper
- Iron
- Lead
- Magnesium
- Manganese
- Mercury
- Molybdenum
- Nickel
- Potassium
- Selenium
- Silver
- Sodium
- Thallium
- Vanadium
- Zinc

Method: 7196A

Matrix Type: NPW/SCM

- Chromium VI

Method: 7470A

Matrix Type: NPW

- Mercury

Method: 7471B

Matrix Type: SCM

- Mercury

Method: 9014

Matrix Type: NPW/SCM

- Cyanide

Method: 9034

Matrix Type: NPW/SCM

- Sulfides

Method: 9040B

Matrix Type: NPW

- Hydrogen Ion (pH)

Method: 9040C

Matrix Type: NPW

- Hydrogen Ion (pH)

Method: 9045C

Matrix Type: SCM

- Hydrogen Ion (pH)

FOT Name: Solid and Chemical Materials, Inorganic **Method: 9045D**

Matrix Type: SCM

Hydrogen Ion (pH)

Method: 9056A

Matrix Type: NPW/SCM

Bromide	Chloride
Fluoride	Nitrate
Nitrite	Phosphate
Sulfate	

Method: 9065

Matrix Type: NPW/SCM

Phenolics

Method: 9081

Matrix Type: NPW/SCM

Cation-exchange Capacity

Method: 9095A

Matrix Type: NPW/SCM

Paint Filter

FOT Name: Solid and Chemical Materials, Organic

Method: 8015B

Matrix Type: NPW/SCM

Diesel range organics (DRO)	Gasoline range organics (GRO)

Method: 8081A

Matrix Type: NPW/SCM

4,4'-DDD	4,4'-DDE
4,4'-DDT	Aldrin
alpha-BHC	alpha-Chlordane
beta-BHC	Chlordane - not otherwise specified
delta-BHC	Dieldrin
Endosulfan I	Endosulfan II
Endosulfan sulfate	Endrin
Endrin aldehyde	Endrin ketone
gamma-BHC (Lindane)	gamma-Chlordane
Heptachlor	Heptachlor epoxide
Methoxychlor	Toxaphene

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FOT Name: Solid and Chemical Materials, Organic **Method: 8082**

Matrix Type: NPW/SCM

PCB-1016	PCB-1221
PCB-1232	PCB-1242
PCB-1248	PCB-1254
PCB-1260	

Method: 8260B

Matrix Type: NPW/SCM

1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane
1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane
1,1-Dichloroethane	1,1-Dichloroethene
1,1-Dichloropropene	1,2,3-Trichlorobenzene
1,2,3-Trichloropropane	1,2,4-Trichlorobenzene
1,2,4-Trimethylbenzene	1,2-Dibromo-3-chloropropane (DBCP)
1,2-Dibromoethane (EDB)	1,2-Dichlorobenzene
1,2-Dichloroethane	1,2-Dichloropropane
1,3,5-Trimethylbenzene	1,3-Dichlorobenzene
1,3-Dichloropropane	1,4-Dichlorobenzene
2,2-Dichloropropane	2-Butanone (Methyl ethyl ketone, MEK)
2-Chloroethyl vinyl ether	2-Chlorotoluene
2-Hexanone	4-Chlorotoluene
4-Methyl-2-pentanone (Methyl isobutyl ketone, MIBł	Acetone
Acetonitrile	Acrolein (Propenal)
Acrylonitrile	Benzene
Bromobenzene	Bromochloromethane
Bromodichloromethane	Bromoform
Carbon disulfide	Carbon tetrachloride
Chlorobenzene	Chlorodibromomethane (Dibromochloromethane)
Chloroethane	Chloroform
Chloromethane	cis-1,2-Dichloroethene
Dichlorodifluoromethane	Dichloromethane (Methylene chloride)
Ethylbenzene	Hexachlorobutadiene
Isopropylbenzene	Methyl-t-butyl ether
Naphthalene	n-Butylbenzene
n-Propylbenzene	p-Isopropyltoluene
sec-Butylbenzene	Styrene

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FOT Name: Solid and Chemical Materials, Organic

Method: 8260B

Matrix Type: NPW/SCM

- Tetrachloroethene
- trans-1,2-Dichloroethene
- Trichlorofluoromethane
- Vinyl chloride
- tert-Butylbenzene
- Toluene
- Trichloroethene
- Vinyl acetate
- Xylenes (Total)

Method: 8270C

Matrix Type: NPW/SCM

- 1,2,4-Trichlorobenzene
- 1,3-Dichlorobenzene
- 2,2-Oxybis (1-chloropropane)
- 2,4,6-Trichlorophenol
- 2,4-Dimethylphenol
- 2,4-Dinitrotoluene (2,4-DNT)
- 2-Chloronaphthalene
- 2-Methylnaphthalene
- 2-Nitroaniline
- 3,3'-Dichlorobenzidine
- 4,6-Dinitro-2-methylphenol
- 4-Chloro-3-methylphenol
- 4-Chlorophenyl phenyl ether
- 4-Nitroaniline
- Acenaphthene
- Anthracene
- Benzo(a)pyrene
- Benzo(g,h,i)perlyene
- Bis(2-chloroethoxy) methane
- Bis(2-ethylhexyl) phthalate
- Carbazole
- Chlorobenzilate
- Dibenz(a,h)anthracene
- Diethyl phthalate
- Di-n-butyl phthalate
- Fluoranthene
- Hexachlorobenzene
- Hexachlorocyclopentadiene
- 1,2-Dichlorobenzene
- 1,4-Dichlorobenzene
- 2,4,5-Trichlorophenol
- 2,4-Dichlorophenol
- 2,4-Dinitrophenol
- 2,6-Dinitrotoluene (2,6-DNT)
- 2-Chlorophenol
- 2-Methylphenol (o-Cresol)
- 2-Nitrophenol
- 3-Nitroaniline
- 4-Bromophenyl phenyl ether
- 4-Chloroaniline
- 4-Methylphenol (p-Cresol)
- 4-Nitrophenol
- Acenaphthylene
- Benzo(a)anthracene
- Benzo(b)fluoranthene
- Benzo(k)fluoranthene
- Bis(2-chloroethyl) ether
- Butyl benzyl phthalate
- Carbofuran (Furaden)
- Chrysene
- Dibenzofuran
- Dimethyl phthalate
- Di-n-octyl phthalate
- Fluorene
- Hexachlorobutadiene
- Hexachloroethane

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FOT Name: Solid and Chemical Materials, Organic

Method: 8270C

Matrix Type: NPW/SCM

Isophorone	Indeno(1,2,3-cd) pyrene
Nitrobenzene	Naphthalene
N-Nitrosodi-n-propylamine	N-Nitrosodimethylamine
o-Cresol (2-Methylphenol)	N-Nitrosodiphenylamine
Pentachlorophenol	p-Cresol (4-Methylphenol)
Phenol	Phenanthrene
	Pyrene

Method: 8270C Mod_Farm Chemicals

Matrix Type: NPW/SCM

Acetochlor	Alachlor
Atrazine	Butylate
Chlorpyrifos	Cyanazine
EPTC	Metolachlor
Metribuzin	Pendimethalin
Prometon	Simazine
Terbufos	Trifluralin

Method: 8321B

Matrix Type: NPW/SCM

2,4,5-T	2,4,5-TP (Silvex)
2,4-D	2,4-DB
Aldicarb (Temik)	Carbofuran (Furaden)
Dalapon	Dicamba
Dinoseb	MCPA
MCPP	Oxamyl

ENVIRONMENTAL RISK INFORMATION SERVICES

DATABASE REPORT

Project Property:	*University Drive* *University Drive & Buffalo Grove Road* *Wheeling Township IL 60004*
Project No:	*T19-357*
Report Type:	*Screen Report Plus*
Order No:	*20190510171*
Requested by:	*Bluff City Materials, Inc*
Date Completed:	*May 10, 2019*

Environmental Risk Information Services
A division of Glacier Media Inc.
1.866.517.5204 | info@erisinfo.com | erisinfo.com

Table of Contents

Executive Summary

Property Information:

Project Property:		*University Drive* *University Drive & Buffalo Grove Road Wheeling Township IL 60004*
Project No:		*T19-357*
Coordinates:		
	Latitude:	*42.13249*
	Longitude:	*-87.952766*
	UTM Northing:	*4,664,925.79*
	UTM Easting:	*421,257.67*
	UTM Zone:	*UTM Zone 16T*
Elevation:		*670 FT*

Order Information:

Order No:	*20190510171*
Date Requested:	*May 10, 2019*
Requested by:	*Bluff City Materials, Inc*
Report Type:	*Screen Report Plus*

Historicals/Products:

ERIS Xplorer	*ERIS Xplorer*
Excel Add-On	*Excel Add-On*

Executive Summary: Report Summary

Database	Searched	Project Property	Within 0.250mi	Total
Standard Environmental Records				
Federal				
NPL	Y	0	0	0
PROPOSED NPL	Y	0	0	0
DELETED NPL	Y	0	0	0
SEMS	Y	0	0	0
ODI	Y	0	0	0
SEMS ARCHIVE	Y	0	0	0
CERCLIS	Y	0	0	0
IODI	Y	0	0	0
CERCLIS NFRAP	Y	0	0	0
CERCLIS LIENS	Y	0	0	0
RCRA CORRACTS	Y	0	0	0
RCRA TSD	Y	0	0	0
RCRA LQG	Y	0	0	0
RCRA SQG	Y	0	0	0
RCRA CESQG	Y	0	0	0
RCRA NON GEN	Y	0	0	0
FED ENG	Y	0	0	0
FED INST	Y	0	0	0
ERNS 1982 TO 1986	Y	0	0	0
ERNS 1987 TO 1989	Y	0	0	0
ERNS	Y	0	0	0
FED BROWNFIELDS	Y	0	0	0
FEMA UST	Y	0	0	0
SEMS LIEN	Y	0	0	0
SUPERFUND ROD	Y	0	0	0
State				

Database	Searched	Project Property	Within 0.250mi	Total
SSU	Y	0	0	0
DELISTED SSU	Y	0	0	0
SWF/LF	Y	0	0	0
SWF/LF SPECIAL	Y	0	0	0
NIPC	Y	0	0	0
CCDD	Y	0	0	0
LUST	Y	0	0	0
DELISTED LUST	Y	0	0	0
LUST TRUST	Y	0	0	0
UST	Y	0	0	0
AST	Y	0	0	0
DELISTED TANK	Y	0	0	0
ENG	Y	0	0	0
INST	Y	0	0	0
SRP	Y	0	0	0
BROWNFIELDS	Y	0	0	0
BROWN MBRGP	Y	0	0	0
Tribal				
INDIAN LUST	Y	0	0	0
INDIAN UST	Y	0	0	0
DELISTED ILST	Y	0	0	0
DELISTED IUST	Y	0	0	0
County				
TANKS CHICAGO	Y	0	0	0
PERMITS CHICAGO	Y	0	0	0
Additional Environmental Records				
Federal				
FINDS/FRS	Y	0	2	2
TRIS	Y	0	0	0
HMIRS	Y	0	0	0
NCDL	Y	0	0	0
TSCA	Y	0	0	0
HIST TSCA	Y	0	0	0
FTTS ADMIN	Y	0	0	0
FTTS INSP	Y	0	0	0
PRP	Y	0	0	0
SCRD DRYCLEANER	Y	0	0	0
ICIS	Y	0	0	0

Database	Searched	Project Property	Within 0.250mi	Total
FED DRYCLEANERS	Y	0	0	0
DELISTED FED DRY	Y	0	0	0
FUDS	Y	0	0	0
MLTS	Y	0	0	0
HIST MLTS	Y	0	0	0
MINES	Y	0	0	0
ALT FUELS	Y	0	0	0
SSTS	Y	0	0	0
PCB	Y	0	0	0
State				
SPILLS	Y	0	0	0
SPILLS2	Y	0	0	0
TIER 2	Y	0	0	0
DRYCLEANERS	Y	0	0	0
DELISTED DRYCLEANERS	Y	0	0	0
CDL	Y	0	0	0
Tribal	***No Tribal additional environmental record sources available for this State.***			
County	***No County additional environmental record sources available for this State.***			
Total:		0	2	2

Executive Summary: Site Report Summary - Project Property

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number

No records found in the selected databases for the project property.

Executive Summary: Site Report Summary - Surrounding Properties

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
1	FINDS/FRS	TARKINGTON SCHOOL	310 SCOTT ST WHEELING IL 60090	ENE	0.11 / 602.88	0	13
2	FINDS/FRS	SANTRONICS LABORATORIES INC	223 PALMGRON CT BUFFALO GROVE IL 60089-4328	NW	0.22 / 1,171.54	8	13

Executive Summary: Summary by Data Source

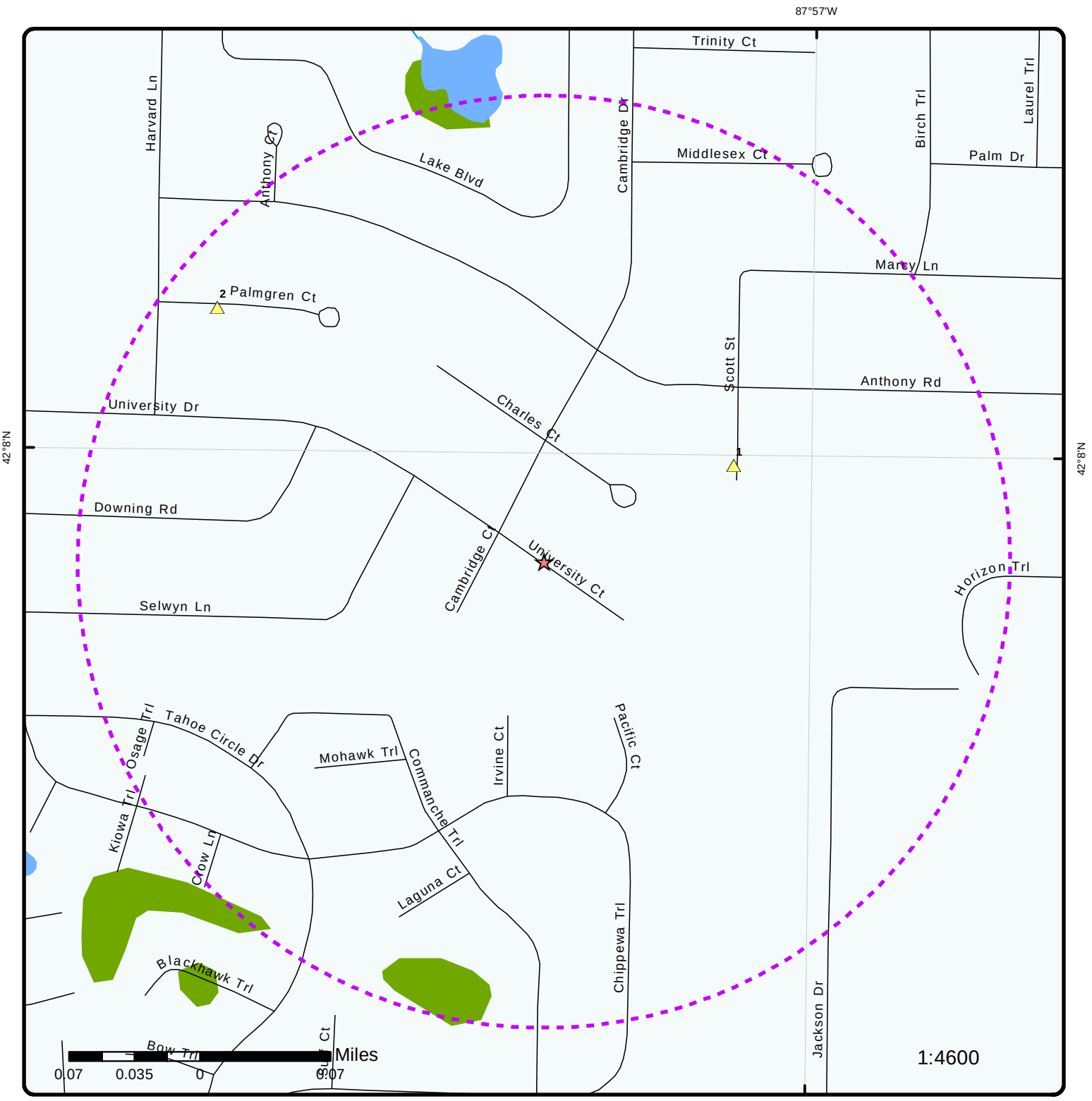
Non Standard

Federal

FINDS/FRS - Facility Registry Service/Facility Index

A search of the FINDS/FRS database, dated Jan 30, 2019 has found that there are 2 FINDS/FRS site(s) within approximately 0.02 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
TARKINGTON SCHOOL	310 SCOTT ST WHEELING IL 60090	ENE	0.11 / 602.88	1
SANTRONICS LABORATORIES INC	223 PALMGRON CT BUFFALO GROVE IL 60089-4328	NW	0.22 / 1,171.54	2



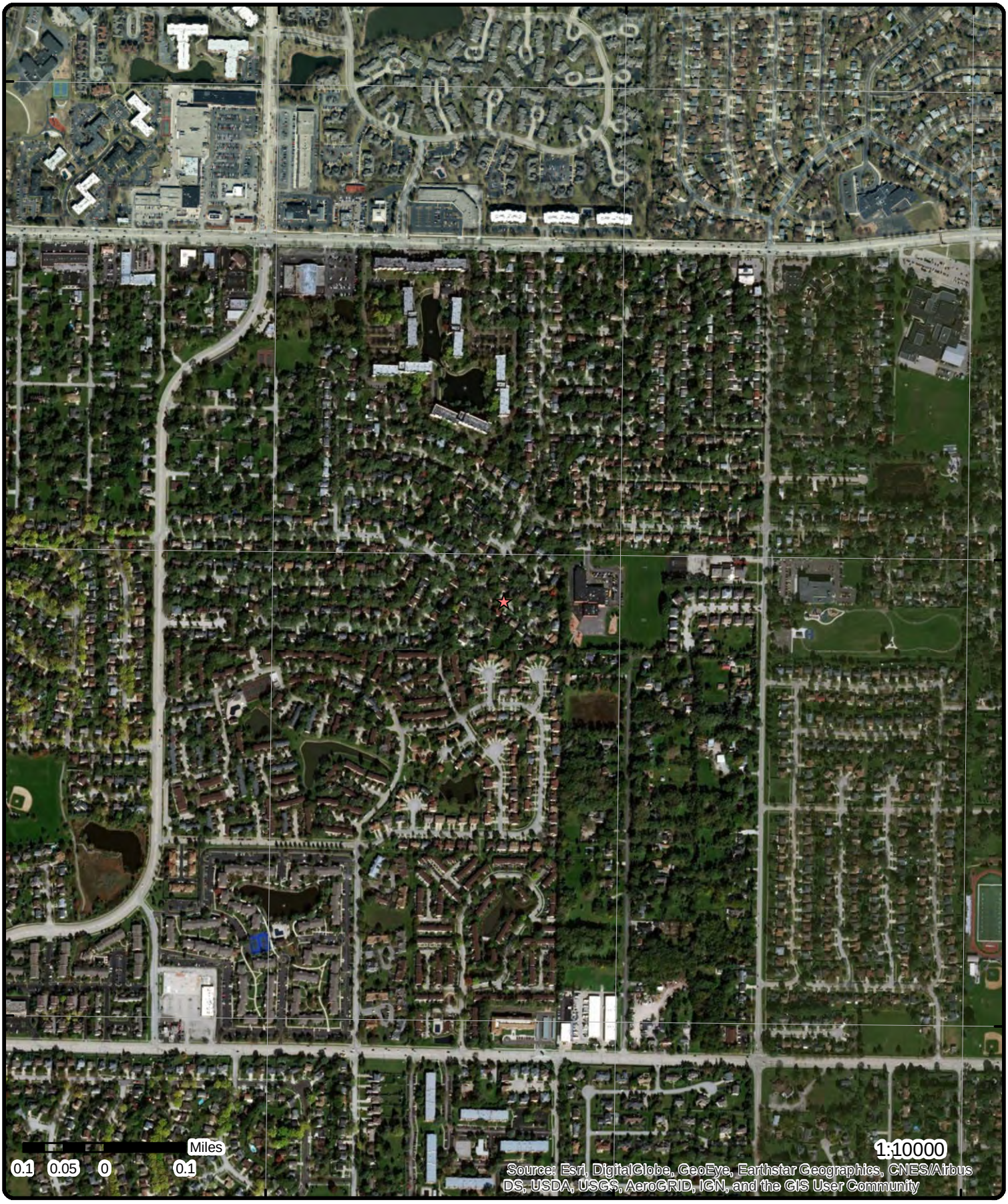
Map : 0.25 Mile Radius

Order No: 20190510171

Address: University Drive

ERIS ENVIRONMENTAL RISK INFORMATION SERVICES

- Project Property
- Buffer Outline
- Eris Sites with Higher Elevation
- Eris Sites with Same Elevation
- Eris Sites with Lower Elevation
- Eris Sites with Unknown Elevation
- County Boundary
- Rails
- Major Highways
- Major Highways Ramps
- Major Roads
- Major Roads Ramps
- Secondary Roads
- Secondary Roads Ramps
- Local Roads and Ramps
- State Boundary
- National Priority List Sites
- National Wetland
- Indian Reserve Land
- Historic Fill
- 100 Year Flood Zone
- 500 Year Flood Zone
- FWS Special Designation Areas
- State Brownfield Sites
- State Brownfield Areas
- State Superfund Areas:Dept. of Defense
- State Superfund Areas:NPL
- WQARF Areas
- Federal Lands: Dept. of Defense (owned/administered areas)



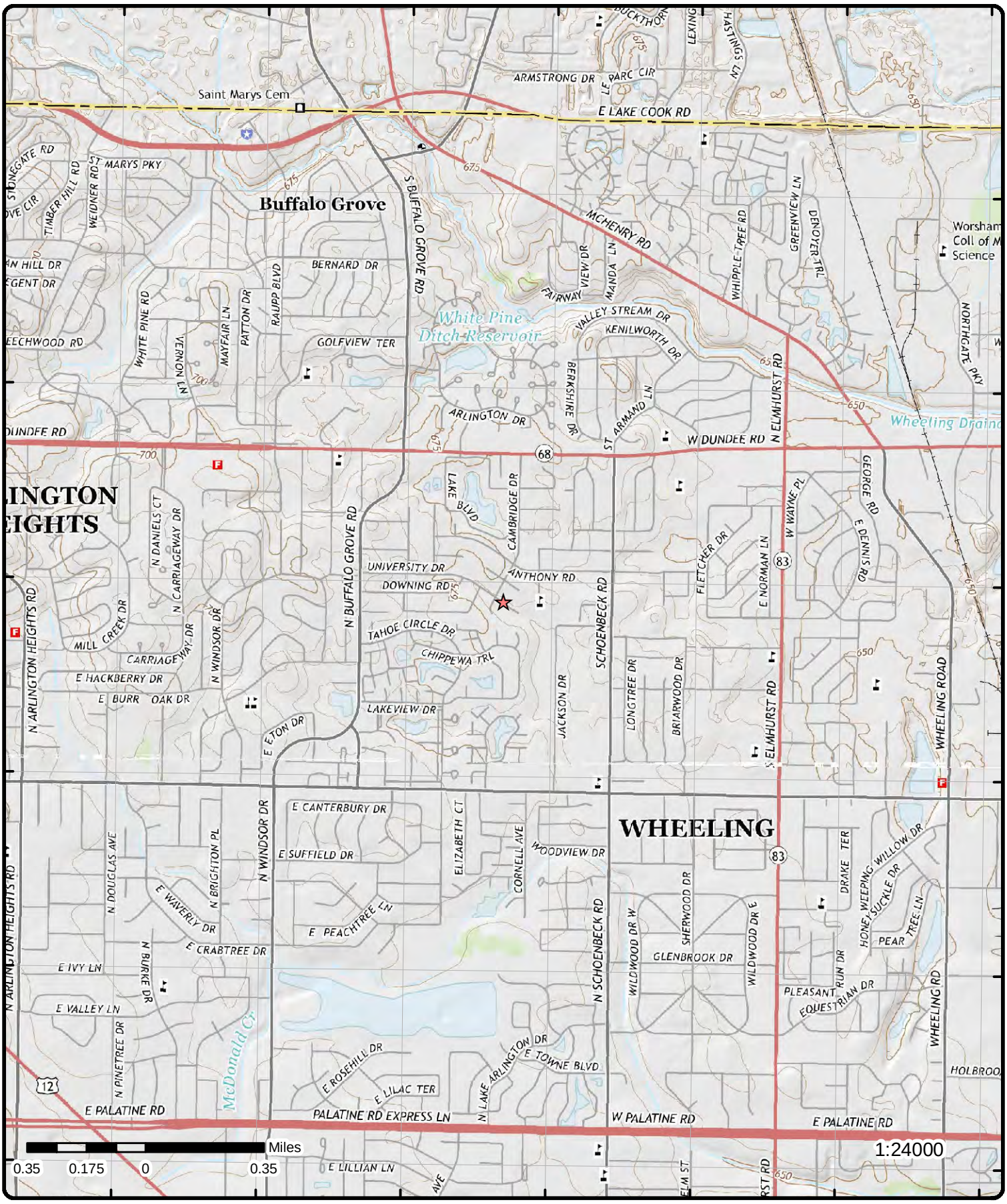
Aerial (2017)

Order No: 20190510171

Address: University Drive

Source: ESRI World Imagery

ERIS ENVIRONMENTAL RISK INFORMATION SERVICES



Topographic Map (2015)

Address: University Drive

Quadrangle(s): Wheeling,IL; Arlington Heights,IL;

Source: USGS Topographic Map

Order No: 20190510171

ERIS ENVIRONMENTAL RISK INFORMATION SERVICES

Detail Report

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
1	1 of 1	ENE	0.11 / 602.88	669.73 / 0	TARKINGTON SCHOOL 310 SCOTT ST WHEELING IL 60090	FINDS/FRS

Registry ID:	110001823723
FIPS Code:	17031
HUC Code:	07120004
Site Type Name:	STATIONARY
Location Description:	
Supplemental Location:	
Create Date:	01-MAR-2000 00:00:00
Update Date:	09-JAN-2015 15:48:21
Interest Types:	AIR MINOR, STATE MASTER
SIC Codes:	8211
SIC Code Descriptions:	ELEMENTARY AND SECONDARY SCHOOLS
NAICS Codes:	611110
NAICS Code Descriptions:	ELEMENTARY AND SECONDARY SCHOOLS.
Conveyor:	FRS-GEOCODE
Federal Facility Code:	
Federal Agency Name:	
Tribal Land Code:	
Tribal Land Name:	
Congressional Dist No.:	10
Census Block Code:	170318025033000
EPA Region Code:	05
County Name:	COOK
US/Mexico Border Ind:	
Latitude:	42.133771
Longitude:	-87.95073
Reference Point:	ENTRANCE POINT OF A FACILITY OR STATION
Coord Collection Method:	ADDRESS MATCHING-HOUSE NUMBER
Accuracy Value:	50
Datum:	NAD83
Source:	
Facility Detail Rprt URL:	http://ofmpub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110001823723
Program Acronyms:	

ACES:170000035913, AIR:IL000031324ABY, AIRS/AFS:1703101027

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
2	1 of 1	NW	0.22 / 1,171.54	678.05 / 8	SANTRONICS LABORATORIES INC 223 PALMGRON CT BUFFALO GROVE IL 60089-4328	FINDS/FRS

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Registry ID:	110013760377
FIPS Code:	17097
HUC Code:	07120004
Site Type Name:	STATIONARY
Location Description:	
Supplemental Location:	
Create Date:	07-MAR-2003 17:19:30
Update Date:	25-MAR-2003 10:07:44
Interest Types:	COMPLIANCE ACTIVITY
SIC Codes:	
SIC Code Descriptions:	
NAICS Codes:	
NAICS Code Descriptions:	
Conveyor:	FRS-GEOCODE
Federal Facility Code:	
Federal Agency Name:	
Tribal Land Code:	
Tribal Land Name:	
Congressional Dist No.:	10
Census Block Code:	170318025032016
EPA Region Code:	05
County Name:	LAKE
US/Mexico Border Ind:	
Latitude:	42.13446
Longitude:	-87.95608
Reference Point:	CENTER OF A FACILITY OR STATION
Coord Collection Method:	ADDRESS MATCHING-HOUSE NUMBER
Accuracy Value:	30
Datum:	NAD83
Source:	
Facility Detail Rprt URL:	http://ofmpub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110013760377
Program Acronyms:	

NCDB:C05#GM01FI416

Unplottable Summary

Total: 24 Unplottable sites

DB	Company Name/Site Name	Address	City	Zip	ERIS ID
ERNS		LAKE-COOK ROAD BETWEEN MILWAUKEE AVE & NORTH GATE ROAD	WHEELING IL		806542632
ERNS		OFF OF LAKE STREET	IL		807096877
ERNS		1573/1575 TAHOE CIRCLE	WHEELING IL		806699936
ERNS		LAKE MICHAGAN	IL		806555904
ERNS		MILWAUKEE AVE NORTH OF LAKE COOK RD	BUFFALO GROVE IL		806764021
ERNS		LAKE COOK RD NEAR MILWAUKEE AVE	BUFFALO GROVE IL		807176120
FINDS/FRS	FEDERAL EXPRESS	1100 LAKE COOK RD	BUFFALO GROVE IL	60089	817458155
FINDS/FRS	COOK COUNTY HWY DEPT	LAKE COOK RD & WI CENTRAL RR	WHEELING IL	60090	817560967
FINDS/FRS	CHEVY CHASE SEWER & WATER CO	RTE 21, .5 M N OF LAKE-COOK RD	WHEELING IL	60090	817565205
FINDS/FRS	PLOTE INC.	LAKE-COOK RD. W. OF PORTWINE	WHEELING IL	60090	817561712
FINDS/FRS	NORTH SHORE GAS CO	15500 LAKE-COOK ROAD	BUFFALO GROVE IL	60089	817462580
FINDS/FRS	COOK COUNTY BRIDGE	LAKE COOK RD	WHEELING IL	60090	817560271

HMIRS		EAST LAKE/COOK RD	BUFFALO GROVE IL		818292439
ICIS	NORTH SHORE GAS CO	1350 LAKE-COOK RD	BUFFALO GROVE IL	60089	828153410
PRP	PROFILE PRODUCTS LLC	750 LAKE COOK ROAD	BUFFALO GROVE IL	60089	860591156
RCRA NON GEN	COOK COUNTY BRIDGE	LAKE COOK RD OVR WI CENTRAL RR	WHEELING IL	60090	810113792
RCRA NON GEN	MOTOROLA INC	852 TO 890 HASTINGS LAKE	BUFFALO GROVE IL	60089	810107211
SPILLS	#1	1520 ST. CHARLES	BELLWOOD 60104 IL		813013684
SPILLS	KANEY TRANSPORTATION INC.	MCHENRY RD. & LAKE COOK R	BUFFALO GROVE IL		822022711
SPILLS	R.A. Peterson	750 Lake Cook Rd	Buffalo Grove IL		821996659
SPILLS2	RAIN-RD CONSTRUCTION	LAKE SIDE CIRCLE TOWN HOUSE COMPLEX	WHEELING IL		822437988
SPILLS2	RAIN-RD CONSTRUCTION	LAKE SIDE CIRCLE TOWN HOUSE COMPLEX	WHEELING IL		825139302
SPILLS2	TEMPO 2 CO.	DEER VALLEY RD 1 MI N OF LAKE-COOK RD	WHEELING IL		813051456
TIER 2	North Shore Gas - Lake Cook Road Station	1350 Lake Cook Road	Buffalo Grove IL	60089	867502223

Unplottable Report

Site:

LAKE-COOK ROAD BETWEEN MILWAUKEE AVE & NORTH GATE ROAD WHEELING IL

ERNS

NRC Report No:	608460	***Latitude Degrees:***	
Type of Incident:	UNKNOWN SHEEN	***Latitude Minutes:***	
Incident Cause:	UNKNOWN	***Latitude Seconds:***	
Incident Date:	6/4/2002 6:30:00 PM	***Longitude Degrees:***	
Incident Location:	UNMARKED LAKE < LAKE	***Longitude Minutes:***	
Incident Dtg:	DISCOVERED	***Longitude Seconds:***	
Distance from City:		***Lat Quad:***	
Distance Units:		***Long Quad:***	
Potential Flag:		***Location Section:***	
Year:	Year 2002 Reports	***Location Township:***	
Direction from City:		***Location Range:***	
Location County:	LAKE		

Description of Incident: THE CALLER REPORTED UNKNOWN SHEEN IN THE WATER

Material Spill Information

Chris Code:	OUN	***Unit of Measure:***	UNKNOWN AMOUNT
CAS No:	000000-00-0	***If Reached Water:***	YES
UN No:		***Amount in Water:***	0
Name of Material:	UNKNOWN OIL	***Unit Reach Water:***	UNKNOWN AMOUNT
Amount of Material:	0		

Calls Information

Date Time Received:	6/4/2002 9:53:36 PM	***Responsible City:***	
Date Time Complete:	6/4/2002 10:00:46 PM	***Responsible State:***	XX
Call Type:	INC	***Responsible Zip:***	
Resp Company:		***Source:***	TELEPHONE
Resp Org Type:	UNKNOWN		

Incident Information

Tank ID:		***Building ID:***	
Tank Regulated:	U	***Location Area ID:***	
Tank Regulated By:		***Location Block ID:***	
Capacity of Tank:		***OCSG No:***	
Capacity Tank Units:		***OCSP No:***	
Description of Tank:		***State Lease No:***	
Actual Amount:		***Pier Dock No:***	
Actual Amount Units:		***Berth Slip No:***	
Tank Above Ground:	ABOVE	***Brake Failure:***	N
NPDES:		***Airbag Deployed:***	
NPDES Compliance:	U	***Transport Contain:***	U
Init Contin Rel No:		***Location Subdiv:***	
Contin Rel Permit:		***Platform Rig Name:***	
Contin Release Type:		***Platform Letter:***	
Aircraft ID:		***Allision:***	N
Aircraft Runway No:		***Type of Structure:***	
Aircraft Spot No:		***Structure Name:***	
Aircraft Type:	UNKNOWN	***Structure Oper:***	U
Aircraft Model:		***Transit Bus Flag:***	
Aircraft Fuel Cap:		***Date Time Norm Serv:***	
Aircraft Fuel Cap U:		***Serv Disrupt Time:***	
Aircraft Fuel on Brd:		***Serv Disrupt Units:***	
Aircraft Fuel OB U:		***CR Begin Date:***	

Aircraft Hanger:		***CR End Date:***	
Road Mile Marker:		***CR Change Date:***	
Power Gen Facility:	U	***FBI Contact:***	
Generating Capacity:		***FBI Contact Dt Tm:***	
Type of Fixed Obj:	UNKNOWN	***Passenger Handling:***	
Type of Fuel:		***Passenger Route:***	XXX
DOT Crossing No:		***Passenger Delay:***	XXX
DOT Regulated:	U	***Sub Part C Test Req:***	XXX
Pipeline Type:		***Conductor Test:***	
Pipeline Abv Ground:	ABOVE	***Engineer Test:***	
Pipeline Covered:	U	***Trainman Test:***	
Exposed Underwater:	N	***Yard Foreman Test:***	
Railroad Hotline:		***RCL Operator Test:***	
Railroad Milepost:		***Brakeman Test:***	
Grade Crossing:	N	***Train Dispat Test:***	
Crossing Device Ty:		***Signalman Test:***	
Ty Vehicle Involved:		***Oth Employee Test:***	
Device Operational:	Y	***Unknown Test:***	

Incident Details Information

Release Secured:	U	***State Agen Report No:***	
Release Rate:		***State Agen on Scene:***	
Release Rate Unit:		***State Agen Notified:***	
Release Rate Rate:		***Fed Agency Notified:***	
Est Duration of Rel:		***Oth Agency Notified:***	
Desc Remedial Act:	NONE	***Body of Water:***	LAKE < LAKE
Fire Involved:	N	***Tributary of:***	
Fire Extinguished:	U	***Near River Mile Make:***	
Any Evacuations:	N	***Near River Mile Mark:***	
Number Evacuated:		***Offshore:***	N
Who Evacuated:		***Weather Conditions:***	
Radius of Evacu:		***Air Temperature:***	
Any Injuries:	N	***Wind Direction:***	
No. Injured:		***Wind Speed:***	
No. Hospitalized:		***Wind Speed Unit:***	
No. Fatalities:		***Water Supp Contam:***	U
Any Fatalities:	N	***Water Temperature:***	
Any Damages:	N	***Wave Condition:***	
Damage Amount:		***Current Speed:***	
Air Corridor Closed:	N	***Current Direction:***	
Air Corridor Desc:		***Current Speed Unit:***	
Air Closure Time:		***EMPL Fatality:***	
Waterway Closed:	N	***Pass Fatality:***	
Waterway Desc:		***Community Impact:***	N
Waterway Close Time:		***Passengers Transfer:***	UNK
Road Closed:	N	***Passenger Injuries:***	
Road Desc:		***Employee Injuries:***	
Road Closure Time:		***Occupant Fatality:***	
Road Closure Units:		***Sheen Size:***	
Closure Direction:		***Sheen Size Units:***	
Major Artery:	No	***Sheen Size Length:***	
Track Closed:	N	***Sheen Size Length U:***	
Track Desc:		***Sheen Size Width:***	
Track Closure Time:		***Sheen Size Width U:***	
Track Closure Units:		***Sheen Color:***	RAINBOW
Track Close Dir:		***Dir of Sheen Travel:***	
Media Interest:	NONE	***Sheen Odor Desc:***	KEROSENE
Medium Desc:	WATER	***Duration Unit:***	
Addl Medium Info:	LAKE < LAKE	***Additional Info:***	THE CALLER STATED RELEASE GOES FROM ONE LAKE TO ANOTHER LAKE AND IS LOCATED IN BETWEEN LAKE AND COOK COUNTY. THE CALLER STATED IT LOOKS LIKE SOMEONE DUMPED KEROSENE INTO WATER.

Site:

OFF OF LAKE STREET IL

ERNS

NRC Report No:	883971	***Latitude Degrees:***	
Type of Incident:	RAILROAD	***Latitude Minutes:***	
Incident Cause:	DERAILMENT	***Latitude Seconds:***	
Incident Date:	9/15/2008 11:39:00 AM	***Longitude Degrees:***	
Incident Location:	RAIL YARD	***Longitude Minutes:***	
Incident Dtg:	OCCURRED	***Longitude Seconds:***	
Distance from City:		***Lat Quad:***	
Distance Units:		***Long Quad:***	
Potential Flag:	No	***Location Section:***	
Year:	Year 2008 Reports	***Location Township:***	
Direction from City:		***Location Range:***	
Location County:	COOK		

Description of Incident: CALLER IS REPORTING A SPILL OF DIESEL FUEL FROM A DERAILMENT, DUE TO UNKNOWN CAUSES. AN INVESTIGATION IS UNDERWAY.

Material Spill Information

Chris Code:	ODS	***Unit of Measure:***	GALLON(S)
CAS No:	000000-00-0	***If Reached Water:***	NO
UN No:		***Amount in Water:***	
Name of Material:	OIL: DIESEL	***Unit Reach Water:***	
Amount of Material:	25		

Calls Information

Date Time Received:	9/15/2008 4:12:35 PM	***Responsible City:***	
Date Time Complete:	9/15/2008 4:24:51 PM	***Responsible State:***	XX
Call Type:	INC	***Responsible Zip:***	
Resp Company:		***Source:***	TELEPHONE
Resp Org Type:	UNKNOWN		

Incident Information

Tank ID:		***Building ID:***	
Tank Regulated:	U	***Location Area ID:***	
Tank Regulated By:		***Location Block ID:***	
Capacity of Tank:		***OCSG No:***	
Capacity Tank Units:		***OCSP No:***	
Description of Tank:		***State Lease No:***	
Actual Amount:		***Pier Dock No:***	
Actual Amount Units:		***Berth Slip No:***	
Tank Above Ground:	ABOVE	***Brake Failure:***	U
NPDES:		***Airbag Deployed:***	U
NPDES Compliance:	U	***Transport Contain:***	U
Init Contin Rel No:		***Location Subdiv:***	PROBISO
Contin Rel Permit:		***Platform Rig Name:***	
Contin Release Type:		***Platform Letter:***	
Aircraft ID:		***Allision:***	U
Aircraft Runway No:		***Type of Structure:***	
Aircraft Spot No:		***Structure Name:***	
Aircraft Type:		***Structure Oper:***	U
Aircraft Model:		***Transit Bus Flag:***	
Aircraft Fuel Cap:		***Date Time Norm Serv:***	
Aircraft Fuel Cap U:		***Serv Disrupt Time:***	
Aircraft Fuel on Brd:		***Serv Disrupt Units:***	
Aircraft Fuel OB U:		***CR Begin Date:***	
Aircraft Hanger:		***CR End Date:***	
Road Mile Marker:		***CR Change Date:***	
Power Gen Facility:	U	***FBI Contact:***	
Generating Capacity:		***FBI Contact Dt Tm:***	
Type of Fixed Obj:		***Passenger Handling:***	
Type of Fuel:		***Passenger Route:***	UNK
DOT Crossing No:		***Passenger Delay:***	UNK
DOT Regulated:	U	***Sub Part C Test Req:***	UNK
Pipeline Type:		***Conductor Test:***	
Pipeline Abv Ground:	ABOVE	***Engineer Test:***	
Pipeline Covered:	U	***Trainman Test:***	
Exposed Underwater:	N	***Yard Foreman Test:***	

Railroad Hotline:		***RCL Operator Test:***	
Railroad Milepost:	14.68	***Brakeman Test:***	
Grade Crossing:	N	***Train Dispat Test:***	
Crossing Device Ty:		***Signalman Test:***	
Ty Vehicle Involved:		***Oth Employee Test:***	
Device Operational:	Y	***Unknown Test:***	

Incident Details Information

Release Secured:	Y	***State Agen Report No:***	RR-2008-0075
Release Rate:		***State Agen on Scene:***	NONE
Release Rate Unit:		***State Agen Notified:***	OEM, MWRD
Release Rate Rate:		***Fed Agency Notified:***	NONE
Est Duration of Rel:		***Oth Agency Notified:***	
Desc Remedial Act:	INVESTIGATION UNDERWAY AND RERAILMENT IN PROGRESS.	***Body of Water:***	
Fire Involved:	N	***Tributary of:***	
Fire Extinguished:	U	***Near River Mile Make:***	
Any Evacuations:	N	***Near River Mile Mark:***	
Number Evacuated:		***Offshore:***	N
Who Evacuated:		***Weather Conditions:***	PARTLY CLOUDY
Radius of Evacu:		***Air Temperature:***	62
Any Injuries:	N	***Wind Direction:***	W
No. Injured:		***Wind Speed:***	3
No. Hospitalized:		***Wind Speed Unit:***	MPH
No. Fatalities:		***Water Supp Contam:***	U
Any Fatalities:	N	***Water Temperature:***	
Any Damages:	U	***Wave Condition:***	
Damage Amount:		***Current Speed:***	
Air Corridor Closed:	N	***Current Direction:***	
Air Corridor Desc:		***Current Speed Unit:***	
Air Closure Time:		***EMPL Fatality:***	
Waterway Closed:	N	***Pass Fatality:***	
Waterway Desc:		***Community Impact:***	
Waterway Close Time:		***Passengers Transfer:***	NO
Road Closed:	N	***Passenger Injuries:***	
Road Desc:		***Employee Injuries:***	
Road Closure Time:		***Occupant Fatality:***	
Road Closure Units:		***Sheen Size:***	
Closure Direction:		***Sheen Size Units:***	
Major Artery:	No	***Sheen Size Length:***	
Track Closed:	N	***Sheen Size Length U:***	
Track Desc:		***Sheen Size Width:***	
Track Closure Time:		***Sheen Size Width U:***	
Track Closure Units:		***Sheen Color:***	
Track Close Dir:		***Dir of Sheen Travel:***	
Media Interest:	NONE	***Sheen Odor Desc:***	
Medium Desc:	BALLAST	***Duration Unit:***	
Addl Medium Info:		***Additional Info:***	NO ADDITIONAL INFORMATION.

Site:

1573/1575 TAHOE CIRCLE WHEELING IL

ERNS

NRC Report No:	700664	***Latitude Degrees:***	
Type of Incident:	PIPELINE	***Latitude Minutes:***	
Incident Cause:	UNKNOWN	***Latitude Seconds:***	
Incident Date:	9/24/2003 6:10:00 AM	***Longitude Degrees:***	
Incident Location:		***Longitude Minutes:***	
Incident Dtg:	OCCURRED	***Longitude Seconds:***	
Distance from City:		***Lat Quad:***	
Distance Units:		***Long Quad:***	
Potential Flag:		***Location Section:***	
Year:	Year 2003 Reports	***Location Township:***	
Direction from City:		***Location Range:***	
Location County:	COOK		

Description of Incident: A HOUSE FIRE STARTED DUE TO UNKNOWN CAUSES. THE NATURAL GAS SERVICE LINE TO THE HOUSE CONTRIBUTED TO THE FIRE.

Material Spill Information

Chris Code:	ONG	***Unit of Measure:***	UNKNOWN AMOUNT
CAS No:	000000-00-0	***If Reached Water:***	NO
UN No:		***Amount in Water:***	
Name of Material:	NATURAL GAS	***Unit Reach Water:***	
Amount of Material:	0		

Calls Information

Date Time Received:	9/24/2003 5:27:50 PM	***Responsible City:***	NAPERVILLE
Date Time Complete:	9/24/2003 5:33:08 PM	***Responsible State:***	IL
Call Type:	INC	***Responsible Zip:***	60507
Resp Company:	NICOR GAS	***Source:***	TELEPHONE
Resp Org Type:	PUBLIC UTILITY		

Incident Information

Tank ID:		***Building ID:***	
Tank Regulated:	U	***Location Area ID:***	
Tank Regulated By:		***Location Block ID:***	
Capacity of Tank:		***OCSG No:***	
Capacity Tank Units:		***OCSP No:***	
Description of Tank:		***State Lease No:***	
Actual Amount:		***Pier Dock No:***	
Actual Amount Units:		***Berth Slip No:***	
Tank Above Ground:	ABOVE	***Brake Failure:***	N
NPDES:		***Airbag Deployed:***	
NPDES Compliance:	U	***Transport Contain:***	U
Init Contin Rel No:		***Location Subdiv:***	
Contin Rel Permit:		***Platform Rig Name:***	
Contin Release Type:		***Platform Letter:***	
Aircraft ID:		***Allision:***	N
Aircraft Runway No:		***Type of Structure:***	
Aircraft Spot No:		***Structure Name:***	
Aircraft Type:		***Structure Oper:***	U
Aircraft Model:		***Transit Bus Flag:***	
Aircraft Fuel Cap:		***Date Time Norm Serv:***	
Aircraft Fuel Cap U:		***Serv Disrupt Time:***	
Aircraft Fuel on Brd:		***Serv Disrupt Units:***	
Aircraft Fuel OB U:		***CR Begin Date:***	
Aircraft Hanger:		***CR End Date:***	
Road Mile Marker:		***CR Change Date:***	
Power Gen Facility:	U	***FBI Contact:***	
Generating Capacity:		***FBI Contact Dt Tm:***	
Type of Fixed Obj:		***Passenger Handling:***	
Type of Fuel:		***Passenger Route:***	XXX
DOT Crossing No:		***Passenger Delay:***	XXX
DOT Regulated:	U	***Sub Part C Test Req:***	XXX
Pipeline Type:	SERVICE	***Conductor Test:***	
Pipeline Abv Ground:	BELOW	***Engineer Test:***	
Pipeline Covered:	U	***Trainman Test:***	
Exposed Underwater:	N	***Yard Foreman Test:***	
Railroad Hotline:		***RCL Operator Test:***	
Railroad Milepost:		***Brakeman Test:***	
Grade Crossing:	N	***Train Dispat Test:***	
Crossing Device Ty:		***Signalman Test:***	
Ty Vehicle Involved:		***Oth Employee Test:***	
Device Operational:	Y	***Unknown Test:***	

Incident Details Information

Release Secured:	Y	***State Agen Report No:***	NO REPORT #
Release Rate:		***State Agen on Scene:***	
Release Rate Unit:		***State Agen Notified:***	IL. COMMERCE COMMISION
Release Rate Rate:		***Fed Agency Notified:***	
Est Duration of Rel:		***Oth Agency Notified:***	
Desc Remedial Act:	THE SERVICE LINE WAS DISCONNECTED.	***Body of Water:***	

Fire Involved:	Y	***Tributary of:***	
Fire Extinguished:	Y	***Near River Mile Make:***	
Any Evacuations:	Y	***Near River Mile Mark:***	
Number Evacuated:	1	***Offshore:***	N
Who Evacuated:	PRIVATE CITIZENS	***Weather Conditions:***	UNKNOWN
Radius of Evacu:		***Air Temperature:***	
Any Injuries:	N	***Wind Direction:***	
No. Injured:		***Wind Speed:***	
No. Hospitalized:		***Wind Speed Unit:***	
No. Fatalities:		***Water Supp Contam:***	U
Any Fatalities:	N	***Water Temperature:***	
Any Damages:	N	***Wave Condition:***	
Damage Amount:		***Current Speed:***	
Air Corridor Closed:	N	***Current Direction:***	
Air Corridor Desc:		***Current Speed Unit:***	
Air Closure Time:		***EMPL Fatality:***	
Waterway Closed:	N	***Pass Fatality:***	
Waterway Desc:		***Community Impact:***	N
Waterway Close Time:		***Passengers Transfer:***	UNK
Road Closed:	N	***Passenger Injuries:***	
Road Desc:		***Employee Injuries:***	
Road Closure Time:		***Occupant Fatality:***	
Road Closure Units:		***Sheen Size:***	
Closure Direction:		***Sheen Size Units:***	
Major Artery:	No	***Sheen Size Length:***	
Track Closed:	N	***Sheen Size Length U:***	
Track Desc:		***Sheen Size Width:***	
Track Closure Time:		***Sheen Size Width U:***	
Track Closure Units:		***Sheen Color:***	
Track Close Dir:		***Dir of Sheen Travel:***	
Media Interest:	NONE	***Sheen Odor Desc:***	
Medium Desc:	AIR	***Duration Unit:***	
Addl Medium Info:	ATMOSPHERE	***Additional Info:***	CALLER HAD NO ADDITIONAL INFORMATION.

Site:

LAKE MICHAGAN IL

ERNS

NRC Report No:	760921	***Latitude Degrees:***	42
Type of Incident:	AIRCRAFT	***Latitude Minutes:***	5
Incident Cause:	UNKNOWN	***Latitude Seconds:***	
Incident Date:	6/3/2005 2:15:00 PM	***Longitude Degrees:***	87
Incident Location:		***Longitude Minutes:***	15
Incident Dtg:	OCCURRED	***Longitude Seconds:***	
Distance from City:		***Lat Quad:***	N
Distance Units:		***Long Quad:***	W
Potential Flag:		***Location Section:***	
Year:	Year 2005 Reports	***Location Township:***	
Direction from City:		***Location Range:***	
Location County:	COOK		

Description of Incident: CALLER FROM THE CITY OF CHICAGO OEM STATED AN AIRLINER HAD TO DUMP ITS FUEL INTO LAKE MICHIGAN DUE TO THE PLANE HITTING RUBBER AND METAL ON THE RUNWAY DUE TO UNKNOWN CAUSES DURING TAKE OFF. PLANE RETURNED TO THE RUNWAY AND DUMPED FUEL AS A PRECAUTION INTO LAKE MICHIGAN.

Material Spill Information

Chris Code:	JPO	***Unit of Measure:***	POUND(S)
CAS No:	000000-00-0	***If Reached Water:***	YES
UN No:		***Amount in Water:***	310000
Name of Material:	JET FUEL: JP-1 (KEROSENE)	***Unit Reach Water:***	POUND(S)
Amount of Material:	310000		

Calls Information

Date Time Received:	6/3/2005 4:08:29 PM	***Responsible City:***	
Date Time Complete:	6/3/2005 4:24:59 PM	***Responsible State:***	IL
Call Type:	INC	***Responsible Zip:***	

Resp Company:	UNITED AIRLINES	***Source:***	TELEPHONE
Resp Org Type:	UNKNOWN		

Incident Information

Tank ID:		***Building ID:***	
Tank Regulated:	U	***Location Area ID:***	
Tank Regulated By:		***Location Block ID:***	
Capacity of Tank:		***OCSG No:***	
Capacity Tank Units:		***OCSP No:***	
Description of Tank:		***State Lease No:***	
Actual Amount:		***Pier Dock No:***	
Actual Amount Units:		***Berth Slip No:***	
Tank Above Ground:	ABOVE	***Brake Failure:***	N
NPDES:		***Airbag Deployed:***	
NPDES Compliance:	U	***Transport Contain:***	U
Init Contin Rel No:		***Location Subdiv:***	
Contin Rel Permit:		***Platform Rig Name:***	
Contin Release Type:		***Platform Letter:***	
Aircraft ID:	UAL881	***Allision:***	N
Aircraft Runway No:	14 RIGHT	***Type of Structure:***	
Aircraft Spot No:		***Structure Name:***	
Aircraft Type:	COMMERCIAL	***Structure Oper:***	U
Aircraft Model:	747	***Transit Bus Flag:***	
Aircraft Fuel Cap:		***Date Time Norm Serv:***	
Aircraft Fuel Cap U:		***Serv Disrupt Time:***	
Aircraft Fuel on Brd:		***Serv Disrupt Units:***	
Aircraft Fuel OB U:		***CR Begin Date:***	
Aircraft Hanger:		***CR End Date:***	
Road Mile Marker:		***CR Change Date:***	
Power Gen Facility:	U	***FBI Contact:***	
Generating Capacity:		***FBI Contact Dt Tm:***	
Type of Fixed Obj:		***Passenger Handling:***	
Type of Fuel:		***Passenger Route:***	XXX
DOT Crossing No:		***Passenger Delay:***	XXX
DOT Regulated:	U	***Sub Part C Test Req:***	XXX
Pipeline Type:		***Conductor Test:***	
Pipeline Abv Ground:	ABOVE	***Engineer Test:***	
Pipeline Covered:	U	***Trainman Test:***	
Exposed Underwater:	N	***Yard Foreman Test:***	
Railroad Hotline:		***RCL Operator Test:***	
Railroad Milepost:		***Brakeman Test:***	
Grade Crossing:	N	***Train Dispat Test:***	
Crossing Device Ty:		***Signalman Test:***	
Ty Vehicle Involved:		***Oth Employee Test:***	
Device Operational:	Y	***Unknown Test:***	

Incident Details Information

Release Secured:	Y	***State Agen Report No:***	NONE
Release Rate:		***State Agen on Scene:***	NONE
Release Rate Unit:		***State Agen Notified:***	FIRE, OEM
Release Rate Rate:		***Fed Agency Notified:***	NONE
Est Duration of Rel:		***Oth Agency Notified:***	
Desc Remedial Act:	NO ACTION HAS BEEN TAKEN.	***Body of Water:***	LAKE MICHIGAN
Fire Involved:	N	***Tributary of:***	
Fire Extinguished:	U	***Near River Mile Make:***	
Any Evacuations:	N	***Near River Mile Mark:***	
Number Evacuated:		***Offshore:***	N
Who Evacuated:		***Weather Conditions:***	PARTLY CLOUDY
Radius of Evacu:		***Air Temperature:***	66
Any Injuries:	N	***Wind Direction:***	ESE
No. Injured:		***Wind Speed:***	7
No. Hospitalized:		***Wind Speed Unit:***	MPH
No. Fatalities:		***Water Supp Contam:***	U
Any Fatalities:	N	***Water Temperature:***	
Any Damages:	N	***Wave Condition:***	
Damage Amount:		***Current Speed:***	
Air Corridor Closed:	N	***Current Direction:***	

Air Corridor Desc:		***Current Speed Unit:***	
Air Closure Time:		***EMPL Fatality:***	
Waterway Closed:	N	***Pass Fatality:***	
Waterway Desc:		***Community Impact:***	N
Waterway Close Time:		***Passengers Transfer:***	UNK
Road Closed:	N	***Passenger Injuries:***	
Road Desc:		***Employee Injuries:***	
Road Closure Time:		***Occupant Fatality:***	
Road Closure Units:		***Sheen Size:***	
Closure Direction:		***Sheen Size Units:***	
Major Artery:	No	***Sheen Size Length:***	
Track Closed:	N	***Sheen Size Length U:***	
Track Desc:		***Sheen Size Width:***	
Track Closure Time:		***Sheen Size Width U:***	
Track Closure Units:		***Sheen Color:***	
Track Close Dir:		***Dir of Sheen Travel:***	
Media Interest:	NONE	***Sheen Odor Desc:***	
Medium Desc:	WATER	***Duration Unit:***	
Addl Medium Info:	LAKE MICHIGAN	***Additional Info:***	CALLER DID NOT HAVE ALL OF THE INFORMATION.

Site:

MILWAUKEE AVE NORTH OF LAKE COOK RD BUFFALO GROVE IL ERNS

NRC Report No:	245081	***Latitude Degrees:***	
Type of Incident:	MOBILE	***Latitude Minutes:***	
Incident Cause:	UNKNOWN	***Latitude Seconds:***	
Incident Date:	6/20/1994 1:00:00 PM	***Longitude Degrees:***	
Incident Location:		***Longitude Minutes:***	
Incident Dtg:	OCCURRED	***Longitude Seconds:***	
Distance from City:		***Lat Quad:***	
Distance Units:		***Long Quad:***	
Potential Flag:		***Location Section:***	
Year:	Year 1994 Reports	***Location Township:***	
Direction from City:		***Location Range:***	
Location County:	LAKE		
Description of Incident:	FUEL TANK ON TRUCK / THE RELEASE OCCURRED AS THE RESULT OF A MULTIVEHICLE ACCIDENT		

Material Spill Information

Chris Code:	ODS	***Unit of Measure:***	GALLON(S)
CAS No:		***If Reached Water:***	YES
UN No:		***Amount in Water:***	100
Name of Material:	OIL: DIESEL	***Unit Reach Water:***	GALLON(S)
Amount of Material:	100		

Calls Information

Date Time Received:	6/20/1994 3:21:39 PM	***Responsible City:***	
Date Time Complete:	6/20/1994 3:30:00 PM	***Responsible State:***	XX
Call Type:	INC	***Responsible Zip:***	
Resp Company:		***Source:***	UNAVAILABLE
Resp Org Type:	UNKNOWN		

Incident Information

Tank ID:		***Building ID:***	
Tank Regulated:	U	***Location Area ID:***	
Tank Regulated By:		***Location Block ID:***	
Capacity of Tank:		***OCSG No:***	
Capacity Tank Units:		***OCSP No:***	
Description of Tank:		***State Lease No:***	
Actual Amount:		***Pier Dock No:***	
Actual Amount Units:		***Berth Slip No:***	
Tank Above Ground:	ABOVE	***Brake Failure:***	N
NPDES:		***Airbag Deployed:***	
NPDES Compliance:	U	***Transport Contain:***	U

Init Contin Rel No:		***Location Subdiv:***	
Contin Rel Permit:		***Platform Rig Name:***	
Contin Release Type:		***Platform Letter:***	
Aircraft ID:		***Allision:***	N
Aircraft Runway No:		***Type of Structure:***	
Aircraft Spot No:		***Structure Name:***	
Aircraft Type:	UNKNOWN	***Structure Oper:***	Y
Aircraft Model:		***Transit Bus Flag:***	
Aircraft Fuel Cap:		***Date Time Norm Serv:***	
Aircraft Fuel Cap U:		***Serv Disrupt Time:***	
Aircraft Fuel on Brd:		***Serv Disrupt Units:***	
Aircraft Fuel OB U:		***CR Begin Date:***	
Aircraft Hanger:		***CR End Date:***	
Road Mile Marker:		***CR Change Date:***	
Power Gen Facility:	U	***FBI Contact:***	
Generating Capacity:		***FBI Contact Dt Tm:***	
Type of Fixed Obj:	UNKNOWN	***Passenger Handling:***	
Type of Fuel:		***Passenger Route:***	XXX
DOT Crossing No:		***Passenger Delay:***	XXX
DOT Regulated:	U	***Sub Part C Test Req:***	XXX
Pipeline Type:	UNKNOWN	***Conductor Test:***	
Pipeline Abv Ground:	ABOVE	***Engineer Test:***	
Pipeline Covered:	U	***Trainman Test:***	
Exposed Underwater:	U	***Yard Foreman Test:***	
Railroad Hotline:	No	***RCL Operator Test:***	
Railroad Milepost:	UNKNOWN	***Brakeman Test:***	
Grade Crossing:	N	***Train Dispat Test:***	
Crossing Device Ty:		***Signalman Test:***	
Ty Vehicle Involved:	UNKNOWN	***Oth Employee Test:***	
Device Operational:	Y	***Unknown Test:***	

Incident Details Information

Release Secured:	U	***State Agen Report No:***	
Release Rate:		***State Agen on Scene:***	
Release Rate Unit:		***State Agen Notified:***	
Release Rate Rate:		***Fed Agency Notified:***	
Est Duration of Rel:		***Oth Agency Notified:***	
Desc Remedial Act:	CREWS ON SCENE	***Body of Water:***	
Fire Involved:	N	***Tributary of:***	
Fire Extinguished:	U	***Near River Mile Make:***	
Any Evacuations:	N	***Near River Mile Mark:***	
Number Evacuated:		***Offshore:***	N
Who Evacuated:		***Weather Conditions:***	
Radius of Evacu:		***Air Temperature:***	
Any Injuries:	U	***Wind Direction:***	
No. Injured:		***Wind Speed:***	
No. Hospitalized:		***Wind Speed Unit:***	
No. Fatalities:		***Water Supp Contam:***	U
Any Fatalities:	U	***Water Temperature:***	
Any Damages:	N	***Wave Condition:***	
Damage Amount:		***Current Speed:***	
Air Corridor Closed:	N	***Current Direction:***	
Air Corridor Desc:		***Current Speed Unit:***	
Air Closure Time:		***EMPL Fatality:***	
Waterway Closed:	N	***Pass Fatality:***	
Waterway Desc:		***Community Impact:***	N
Waterway Close Time:		***Passengers Transfer:***	UNK
Road Closed:	N	***Passenger Injuries:***	
Road Desc:		***Employee Injuries:***	
Road Closure Time:		***Occupant Fatality:***	
Road Closure Units:		***Sheen Size:***	
Closure Direction:		***Sheen Size Units:***	
Major Artery:	No	***Sheen Size Length:***	
Track Closed:	N	***Sheen Size Length U:***	
Track Desc:		***Sheen Size Width:***	
Track Closure Time:		***Sheen Size Width U:***	
Track Closure Units:		***Sheen Color:***	
Track Close Dir:		***Dir of Sheen Travel:***	

Media Interest:		***Sheen Odor Desc:***	
Medium Desc:	WATER	***Duration Unit:***	
Addl Medium Info:	DESPLAINES RIVER	***Additional Info:***	MILWAUKEE AVE HAS BEEN CLOSED INDEFINITELY

Site:

LAKE COOK RD NEAR MILWAUKEE AVE BUFFALO GROVE IL ERNS

NRC Report No:	231358	***Latitude Degrees:***	
Type of Incident:	FIXED	***Latitude Minutes:***	
Incident Cause:	UNKNOWN	***Latitude Seconds:***	
Incident Date:	3/23/1994 11:30:00 AM	***Longitude Degrees:***	
Incident Location:		***Longitude Minutes:***	
Incident Dtg:	DISCOVERED	***Longitude Seconds:***	
Distance from City:		***Lat Quad:***	
Distance Units:		***Long Quad:***	
Potential Flag:		***Location Section:***	
Year:	Year 1994 Reports	***Location Township:***	
Direction from City:		***Location Range:***	
Location County:	COOK		

Description of Incident: CALLER STATES THAT THERE IS CONSTRUCTION NEAR RIVER AND ALL BYPRODUCTSOF CONST ARE ENTERING RIVER (DIRT,SEDIMENT, WATER)

Material Spill Information

Chris Code:	UNK	***Unit of Measure:***	UNKNOWN AMOUNT
CAS No:		***If Reached Water:***	YES
UN No:		***Amount in Water:***	0
Name of Material:	UNKNOWN MATERIAL	***Unit Reach Water:***	UNKNOWN AMOUNT
Amount of Material:	0		

Calls Information

Date Time Received:	3/23/1994 12:33:17 PM	***Responsible City:***	WHEELING
Date Time Complete:	3/23/1994 12:37:20 PM	***Responsible State:***	IL
Call Type:	INC	***Responsible Zip:***	
Resp Company:	UNKNOWN CONSTRUCTION CO	***Source:***	UNAVAILABLE
Resp Org Type:	UNKNOWN		

Incident Information

Tank ID:		***Building ID:***	
Tank Regulated:	U	***Location Area ID:***	
Tank Regulated By:		***Location Block ID:***	
Capacity of Tank:		***OCSG No:***	
Capacity Tank Units:		***OCSP No:***	
Description of Tank:		***State Lease No:***	
Actual Amount:		***Pier Dock No:***	
Actual Amount Units:		***Berth Slip No:***	
Tank Above Ground:	ABOVE	***Brake Failure:***	N
NPDES:		***Airbag Deployed:***	
NPDES Compliance:	U	***Transport Contain:***	U
Init Contin Rel No:		***Location Subdiv:***	
Contin Rel Permit:		***Platform Rig Name:***	
Contin Release Type:		***Platform Letter:***	
Aircraft ID:		***Allision:***	N
Aircraft Runway No:		***Type of Structure:***	
Aircraft Spot No:		***Structure Name:***	
Aircraft Type:	UNKNOWN	***Structure Oper:***	Y
Aircraft Model:		***Transit Bus Flag:***	
Aircraft Fuel Cap:		***Date Time Norm Serv:***	
Aircraft Fuel Cap U:		***Serv Disrupt Time:***	
Aircraft Fuel on Brd:		***Serv Disrupt Units:***	
Aircraft Fuel OB U:		***CR Begin Date:***	
Aircraft Hanger:		***CR End Date:***	
Road Mile Marker:		***CR Change Date:***	
Power Gen Facility:	U	***FBI Contact:***	

Generating Capacity:		***FBI Contact Dt Tm:***	
Type of Fixed Obj:	UNKNOWN	***Passenger Handling:***	
Type of Fuel:		***Passenger Route:***	XXX
DOT Crossing No:		***Passenger Delay:***	XXX
DOT Regulated:	U	***Sub Part C Test Req:***	XXX
Pipeline Type:	UNKNOWN	***Conductor Test:***	
Pipeline Abv Ground:	ABOVE	***Engineer Test:***	
Pipeline Covered:	U	***Trainman Test:***	
Exposed Underwater:	U	***Yard Foreman Test:***	
Railroad Hotline:	No	***RCL Operator Test:***	
Railroad Milepost:	UNKNOWN	***Brakeman Test:***	
Grade Crossing:	N	***Train Dispat Test:***	
Crossing Device Ty:		***Signalman Test:***	
Ty Vehicle Involved:	UNKNOWN	***Oth Employee Test:***	
Device Operational:	Y	***Unknown Test:***	

Incident Details Information

Release Secured:		***State Agen Report No:***	
Release Rate:		***State Agen on Scene:***	
Release Rate Unit:		***State Agen Notified:***	
Release Rate Rate:		***Fed Agency Notified:***	
Est Duration of Rel:		***Oth Agency Notified:***	
Desc Remedial Act:	NONE	***Body of Water:***	
Fire Involved:	N	***Tributary of:***	
Fire Extinguished:		***Near River Mile Make:***	
Any Evacuations:	N	***Near River Mile Mark:***	
Number Evacuated:		***Offshore:***	
Who Evacuated:		***Weather Conditions:***	
Radius of Evacu:		***Air Temperature:***	
Any Injuries:	U	***Wind Direction:***	
No. Injured:		***Wind Speed:***	
No. Hospitalized:		***Wind Speed Unit:***	
No. Fatalities:		***Water Supp Contam:***	
Any Fatalities:	U	***Water Temperature:***	
Any Damages:	N	***Wave Condition:***	
Damage Amount:		***Current Speed:***	
Air Corridor Closed:		***Current Direction:***	
Air Corridor Desc:		***Current Speed Unit:***	
Air Closure Time:		***EMPL Fatality:***	
Waterway Closed:		***Pass Fatality:***	
Waterway Desc:		***Community Impact:***	
Waterway Close Time:		***Passengers Transfer:***	UNK
Road Closed:		***Passenger Injuries:***	
Road Desc:		***Employee Injuries:***	
Road Closure Time:		***Occupant Fatality:***	
Road Closure Units:		***Sheen Size:***	
Closure Direction:		***Sheen Size Units:***	
Major Artery:		***Sheen Size Length:***	
Track Closed:		***Sheen Size Length U:***	
Track Desc:		***Sheen Size Width:***	
Track Closure Time:		***Sheen Size Width U:***	
Track Closure Units:		***Sheen Color:***	
Track Close Dir:		***Dir of Sheen Travel:***	
Media Interest:		***Sheen Odor Desc:***	
Medium Desc:	WATER	***Duration Unit:***	
Addl Medium Info:	DES PLAINES RIVER	***Additional Info:***	

Site: ***FEDERAL EXPRESS***
1100 LAKE COOK RD BUFFALO GROVE IL 60089

FINDS/FRS

Registry ID:	110005875758
FIPS Code:	17111
HUC Code:	07120004
Site Type Name:	STATIONARY
Location Description:	
Supplemental Location:	
Create Date:	01-MAR-2000 00:00:00

Update Date:	11-DEC-2014 14:56:29
Interest Types:	STATE MASTER, UNSPECIFIED UNIVERSE
SIC Codes:	
SIC Code Descriptions:	
NAICS Codes:	
NAICS Code Descriptions:	
Conveyor:	FRS-GEOCODE
Federal Facility Code:	
Federal Agency Name:	
Tribal Land Code:	
Tribal Land Name:	
Congressional Dist No.:	10
Census Block Code:	170318030102003
EPA Region Code:	05
County Name:	MCHENRY
US/Mexico Border Ind:	
Latitude:	42.15353
Longitude:	-87.97872
Reference Point:	CENTER OF A FACILITY OR STATION
Coord Collection Method:	ADDRESS MATCHING-HOUSE NUMBER
Accuracy Value:	30
Datum:	NAD83
Source:	
Facility Detail Rprt URL:	http://ofmpub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110005875758
Program Acronyms:	

ACES:170000485981, ACES:170000657572, ACES:170001498582, RCRAINFO:ILD984788091

Site: ***COOK COUNTY HWY DEPT***
LAKE COOK RD & WI CENTRAL RR WHEELING IL 60090

FINDS/FRS

Registry ID:	110024856798
FIPS Code:	17031
HUC Code:	
Site Type Name:	STATIONARY
Location Description:	
Supplemental Location:	
Create Date:	10-JUN-2006 11:23:27
Update Date:	16-MAY-2008 11:07:34
Interest Types:	STATE MASTER
SIC Codes:	
SIC Code Descriptions:	
NAICS Codes:	
NAICS Code Descriptions:	
Conveyor:	
Federal Facility Code:	
Federal Agency Name:	
Tribal Land Code:	
Tribal Land Name:	
Congressional Dist No.:	
Census Block Code:	
EPA Region Code:	05
County Name:	COOK
US/Mexico Border Ind:	
Latitude:	
Longitude:	
Reference Point:	
Coord Collection Method:	
Accuracy Value:	
Datum:	NAD83
Source:	
Facility Detail Rprt URL:	http://ofmpub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110024856798
Program Acronyms:	

ACES:170000406692

Site: ***CHEVY CHASE SEWER & WATER CO***
RTE 21, .5 M N OF LAKE-COOK RD WHEELING IL 60090

FINDS/FRS

Registry ID:	110054184654
FIPS Code:	17097
HUC Code:	
Site Type Name:	STATIONARY
Location Description:	
Supplemental Location:	
Create Date:	21-NOV-2012 13:30:14
Update Date:	29-DEC-2014 15:24:31
Interest Types:	STATE MASTER
SIC Codes:	
SIC Code Descriptions:	
NAICS Codes:	
NAICS Code Descriptions:	
Conveyor:	
Federal Facility Code:	
Federal Agency Name:	
Tribal Land Code:	
Tribal Land Name:	
Congressional Dist No.:	
Census Block Code:	
EPA Region Code:	05
County Name:	LAKE
US/Mexico Border Ind:	
Latitude:	
Longitude:	
Reference Point:	
Coord Collection Method:	
Accuracy Value:	
Datum:	NAD83
Source:	
Facility Detail Rprt URL:	http://ofmpub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110054184654
Program Acronyms:	

ACES:170001957407

Site: ***PLOTE INC.***
LAKE-COOK RD. W. OF PORTWINE WHEELING IL 60090

FINDS/FRS

Registry ID:	110007051858
FIPS Code:	17031
HUC Code:	
Site Type Name:	STATIONARY
Location Description:	
Supplemental Location:	
Create Date:	01-MAR-2000 00:00:00
Update Date:	09-JAN-2015 17:46:00
Interest Types:	AIR MINOR, STATE MASTER
SIC Codes:	9999
SIC Code Descriptions:	NONCLASSIFIABLE ESTABLISHMENTS
NAICS Codes:	212312
NAICS Code Descriptions:	CRUSHED AND BROKEN LIMESTONE MINING AND QUARRYING.
Conveyor:	
Federal Facility Code:	
Federal Agency Name:	
Tribal Land Code:	
Tribal Land Name:	
Congressional Dist No.:	
Census Block Code:	
EPA Region Code:	05
County Name:	COOK
US/Mexico Border Ind:	
Latitude:	
Longitude:	
Reference Point:	

Coord Collection Method:
Accuracy Value:
Datum: NAD83
Source:
Facility Detail Rprt URL: http://ofmpub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110007051858
Program Acronyms:

ACES:170000065809, AIR:IL000031823AAN, AIRS/AFS:1703103388

Site: ***NORTH SHORE GAS CO***
15500 LAKE-COOK ROAD BUFFALO GROVE IL 60089 FINDS/FRS

Registry ID: 110001801373
FIPS Code: 17097
HUC Code: 07120004
Site Type Name: STATIONARY
Location Description:
Supplemental Location:
Create Date: 01-MAR-2000 00:00:00
Update Date: 01-JUN-2017 17:15:34
Interest Types: AIR EMISSIONS CLASSIFICATION UNKNOWN, AIR MINOR, STATE MASTER
SIC Codes: 4923
SIC Code Descriptions: NATURAL GAS TRANSMISSION AND DISTRIBUTION
NAICS Codes: 221210
NAICS Code Descriptions: NATURAL GAS DISTRIBUTION.
Conveyor: EIS
Federal Facility Code:
Federal Agency Name:
Tribal Land Code:
Tribal Land Name:
Congressional Dist No.: 10
Census Block Code: 170978645203001
EPA Region Code: 05
County Name: LAKE
US/Mexico Border Ind:
Latitude: 42.15393
Longitude: -87.93617
Reference Point: ACRES POINTS NOT REPRESENTED BY 101-107
Coord Collection Method: INTERPOLATION-PHOTO
Accuracy Value: 15
Datum: NAD83
Source:
Facility Detail Rprt URL: http://ofmpub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110001801373
Program Acronyms:

ACES:170000104241, AIR:IL000097418AAF, AIRS/AFS:1709700213, EIS:5390711

Site: ***COOK COUNTY BRIDGE***
LAKE COOK RD WHEELING IL 60090 FINDS/FRS

Registry ID: 110012271932
FIPS Code: 17031
HUC Code:
Site Type Name: STATIONARY
Location Description:
Supplemental Location: OVR WI CENTRAL RR
Create Date: 01-MAR-2000 00:00:00
Update Date: 26-JAN-2012 16:24:23
Interest Types: HAZARDOUS WASTE BIENNIAL REPORTER, UNSPECIFIED UNIVERSE
SIC Codes:
SIC Code Descriptions:
NAICS Codes:
NAICS Code Descriptions:
Conveyor:
Federal Facility Code:

Federal Agency Name:
Tribal Land Code:
Tribal Land Name:
Congressional Dist No.:
Census Block Code:
EPA Region Code: 05
County Name: COOK
US/Mexico Border Ind:
Latitude:
Longitude:
Reference Point:
Coord Collection Method:
Accuracy Value:
Datum: NAD83
Source:
Facility Detail Rprt URL: http://ofmpub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110012271932
Program Acronyms:

BR:ILR000112136, RCRAINFO:ILR000112136

Site:

EAST LAKE/COOK RD BUFFALO GROVE IL HMIRS

Incident County: COOK

HMIR Incident Reports

Report No: I-1994041246
Report Type: A hazardous material incident
Date of Incident: 04/14/1994
Time of Incident: 1315
Haz Class Code: 3
Hazardous Class: FLAMMABLE - COMBUSTIBLE LIQUID
Commodity Short Nm: GASOLINE INCLUDES GASOLI
Commodity Long Nm: GASOLINE INCLUDES GASOLINE MIXED WITH ETHYL ALCOHOL WITH NOT MORE THAN 10% ALCOHOL
Trade Name:
ID No: UN1203
Haz Waste Ind: No
Haz Waste EPA No:
HMIS Tox Inhalation?: No
TIH Hazard Zone:
Qty Released: 277
Unit of Measure: LGA
What Failed:
What Failed Desc:
How Failed Code:
How Failed Desc:
Failure Cause Code: 508
Failure Cause Desc: Defective Component or Device
Ident. Markings:
Cont1 Pkging Type:
Cont1 Const Mat:
Cont1 Head Type:
Cont1 Pkg Capacity: 9000
C1 Capacity UOM: LGA
Cont1 Pkg Amt:
C1 Pkg Amt UOM:
Cont1 Pkg No: 1
C1 Pkg NO Failed: 1
Cont1 Pkg Mnfctr: HEIL COMPANY
Cont1 Pkg Mnfct Dt:
Cont1 Pkg Serial NO: 1HLA3A7B25
C1 Pkg Last Test Dt:
C1 Test Const Mat:
C1 Pkg Dsign Pres.:

Fed DOT Agency Nm:
Fed DOT Report No:
Report Submit Src: Paper
Inc Multiple Rows: No
Inc Non US State:
Mode Transport: Highway
Transport Phase: UNLOADING
Incident Occrrnce:
Mat Ship Approval?: No
Mat Ship Approv No:
Undecl Hazmat Ship?: No
Packaging Type: Cargo Tank Motor Vehicle (CTMV)
Packing Group:
Carrier Reporter: SHELL OIL COMPANY
CR Street Name: 150 N DAIRY ASHFORD RD A
CR City: HOUSTON
CR State: TX
CR Postal Code: 77079-1116
CR Non US State:
CR Fed DOT ID: 0
CR Hazmat Reg ID:
CR Country: US
Shipper Name: SHELL OIL COMPANY
Shipper Street Name: 150 N DAIRY ASHFORD RD A
Shipper City: HOUSTON
Shipper State: TX
Shipper Postal: 77079-1116
Shipper Non US St:
Shipper Country: US
Shipper Waybill: BL# 225333
Ship Hazmat Reg ID:
Origin City: ARLINGTON HEIGHTS
Origin State: ILLINOIS
Origin Postal: 60005
Origin Non US St:
Origin Country: US
Destination City: BUFFALO GROVE
Destination State: ILLINOIS

C1 Dsign Press UOM:		***Destination Postal:***	
C1 Pkg Shell Thick:		***Destination Non US:***	
C1 Shell Thick UOM:		***Destination Country:***	US
C1 Head Thickness:		***Cont2 Package Type:***	
C1 Head Thick UOM:		***Cont2 Const Mat:***	
C1 Pkg Srvc Pres.:		***Cont2 Pkg Capacity:***	
C1 Srvc Press UOM:		***Cont2 Capacity UOM:***	
C1 Valve/Device Fail?:	No	***Cont2 Pkg Amount:***	
C1 Device Type:		***Cont2 Pkg Amt UOM:***	
C1 Device Mnfctr:		***Cont2 Pkg No:***	
C1 Device Model:		***Cont2 Pkg No Failed:***	
NRC No:			

RAM Pkg Category:		***Haz NonHosp Public:***	0
RAM Pkg Cert.:	FALSE	***Haz NonHosp Old:***	0
RAM Pkg Cert. NBR:		***Tot Haz Non Hosp Inj:***	0
RAM Nuclide S:		***Total Hazmat Injuries:***	0
RAM Transport Index:		***Evacuation Indicator:***	No
RAM UOM:		***Public Evacuated:***	0
RAM Activity Rpted:		***Employees Evac:***	0
RAM UOM Rpted:		***Total Evacuated:***	0
RAM Activity:		***Total Evacuation Hrs:***	0
RAM Activity UOM:		***Major Artery Closed:***	No
RAM Mat Safety:		***Mjr Artery Hrs Closed:***	0
Spillage Result:	Yes	***Material Involved:***	No
Fire Result:	No	***Estimated Speed:***	0
Explosion Result:	No	***Weather Conditions:***	
Water Sewer Result:	No	***Vehicle Overturn:***	No
Gas Dispersion:	No	***Vehicle Left Roadway:***	No
Environment Damage:	No	***Passenger Aircraft:***	No
No Release Result:	No	***Cargo Baggage:***	
Fire EMS Report:	No	***Ship Non Transport:***	No
Fire EMS EMS Report:		***Ship Air First Flight:***	No
Police Report:	No	***Ship Air Subflight:***	No
Police Report No:		***Ship Init Transport:***	No
In House Cleanup:	No	***Ship Phase Transfer:***	No
Other Cleanup:	No	***Contact Name:***	R M HERRERA
Damage > 500:	Yes	***Contact Title:***	PCT SUPT
Material Loss:	192	***Contact Business:***	
Carrier Damage:	0	***Contact Street:***	
Property Damage:	0	***Contact City:***	
Response Cost:	0	***Contact State:***	
Remediation Cost:	1200	***Contact Postal:***	
Damage Old Form:	0	***Contact Non US St:***	
Total Damages Amt:	1392	***Contact Country:***	US
Hazmat Fatality:	No	***Inc. Report Prepared:***	
Haz Fatal Employees:	0	***HMIS Serious Incidnt:***	Yes
Haz Fatal Respndrs:	0	***HMIS Serious Fatality:***	No
Haz Fatal Gen Public:	0	***HMIS Serious Injury:***	No
Tot Hazmat Fatalities:	0	***HMIS Flight Plan:***	No
Non Hazmat Fatality:	No	***HMIS Serious Evacs:***	No
Non Hazmat Fatals:	0	***HMIS Major Artery:***	No
Hazmat Injury:	No	***HMIS Bulk Release:***	Yes
Haz Hospital Empl:	0	***HMIS Marine Pollutnt:***	No
Haz Hospital Resp:	0	***HMIS Radioactive:***	No
Haz Hosp Gen Public:	0	***HMIS Gen Pkg Type:***	OHMIR.Ref_Container.descr_txt
Haz Hosp Old Form:	0	***HMIS Container Code:***	MC306
Total Haz Hosp Inj:	0	***HMIS Container Desc:***	Cargo tanks
Haz Non Hosp Empl:	0	***HMIS Bulk Incident:***	Yes
Haz Non Hosp Resp:	0	***Undeclared Shipment:***	No

Description of Events: WHILE THE CARGO TANKER WAS UNLOADING OF THE SCOTTVILLE STATION THE OVERFILL PROTECTION FLAP ON THE UNDERGROUND STORAGE TANK PREMATURELY CLOSED CAUSING THE DROP FITTING TO COME LOOSE FROM THE FILL-UP. THE FITTING TURNED SIDEWAYS ALLOWING GASOLINE TO SPILL ONTO THE STATION PARKING LOT. THE DRAWER CLOSED ALL OF THE UNLOADING VALVES IMMEDIATELY. BUFFALO GROVE FIRE DEPARTMENT WAS CALLED. HERITAGE ENVIRONMENTAL WAS CALLED OUT TO PERFORM CLEAN-UP. SHELL OIL RETAIL ENGINEERING IS INVESTIGATING CORRECTION ACTION.

Recommend Actions Taken:

Site: ***NORTH SHORE GAS CO***
1350 LAKE-COOK RD BUFFALO GROVE IL 60089

ICIS

EPA Region:	05	***Federal Facility ID:***	
FRS Facility UIN:	110001801373	***Tribal Land Code:***	
Program Syst ID:	IL000097418AAF	***County:***	Lake
Prog Sys Acrnym:	AIR	***Latitude:***	42.153787
Permit Type:		***Longitude:***	-87.936152

--Details--

EA Identifier:		***Enf Act Forum Dsc:***	
EA Type Code:		***Fac NAICS Code:***	221210
EA Type Desc:		***Facility SIC Code:***	4923
EA Name:			

Site: ***PROFILE PRODUCTS LLC***
750 LAKE COOK ROAD BUFFALO GROVE IL 60089

PRP

Site EPA ID:	GAD981258270
Site Name:	CONSTITUTION ROAD DRUM SITE
Site NPL Status:	Not on the NPL
Site Non NPL Status:	NFRAP-Site does not qualify for the NPL based on existing information

Noticed Party Action Information

Action Type Seq:	AC-1
Action Name:	ADM ORDR
Action Date:	SETTLEMENT DATE 09/26/2006

Site: ***COOK COUNTY BRIDGE***
LAKE COOK RD OVR WI CENTRAL RR WHEELING IL 60090

RCRA NON GEN

EPA Handler ID:	ILR000112136
Gen Status Universe:	No Report
Contact Name:	ENV COORDINATOR
Contact Address:	US
Contact Phone No and Ext:	312-603-1740
Contact Email:	
Contact Country:	US
County Name:	COOK
EPA Region:	05
Land Type:	County
Receive Date:	20060401

Violation/Evaluation Summary

Note:	NO RECORDS: As of Mar 2019, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility:	No
Onsite Burner Exemption:	No
Furnace Exemption:	No
Underground Injection Activity:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No

Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 20060401
Handler Name: COOK COUNTY BRIDGE
Generator Status Universe: No Report
Source Type: Annual/Biennial Report update with Notification

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 20020501
Handler Name: COOK COUNTY BRIDGE
Generator Status Universe: No Report
Source Type: Notification

Waste Code Details

Hazardous Waste Code: D008
Waste Code Description: LEAD

Owner/Operator Details

Owner/Operator Ind:	Current Owner	***Street No:***	
Type:	County	***Street 1:***	
Name:	COOK COUNTY BRIDGE	***Street 2:***	
Date Became Current:	19000101	***City:***	
Date Ended Current:		***State:***	
Phone:		***Country:***	US
Source Type:	Annual/Biennial Report update with Notification	***Zip Code:***	
Owner/Operator Ind:	Current Owner	***Street No:***	
Type:	County	***Street 1:***	69 W WASHINGTON
Name:	COOK COUNTY HIGHWAY DEPT	***Street 2:***	
Date Became Current:		***City:***	CHICAGO
Date Ended Current:		***State:***	IL
Phone:	312-603-1740	***Country:***	
Source Type:	Notification	***Zip Code:***	60602
Owner/Operator Ind:	Current Operator	***Street No:***	
Type:	County	***Street 1:***	
Name:	COOK COUNTY BRIDGE	***Street 2:***	
Date Became Current:	19000101	***City:***	
Date Ended Current:		***State:***	
Phone:		***Country:***	US
Source Type:	Annual/Biennial Report update with Notification	***Zip Code:***	

Site: ***MOTOROLA INC***
852 TO 890 HASTINGS LAKE BUFFALO GROVE IL 60089

RCRA NON GEN

EPA Handler ID: ILD984804971
Gen Status Universe: No Report
Contact Name: ENV COORDINATOR
Contact Address: US
Contact Phone No and Ext: 847-632-7700
Contact Email:
Contact Country: US
County Name: LAKE
EPA Region: 05
Land Type: Private
Receive Date: 20060401

Violation/Evaluation Summary

Note: NO RECORDS: As of Mar 2019, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility:	No
Onsite Burner Exemption:	No
Furnace Exemption:	No
Underground Injection Activity:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	20060401
Handler Name:	MOTOROLA INC
Generator Status Universe:	No Report
Source Type:	Annual/Biennial Report update with Notification

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	19920301
Handler Name:	MOTOROLA INC
Generator Status Universe:	No Report
Source Type:	Annual/Biennial Report

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	19901015
Handler Name:	MOTOROLA INC
Generator Status Universe:	No Report
Source Type:	Notification

Waste Code Details

Hazardous Waste Code:	D001
Waste Code Description:	IGNITABLE WASTE

Owner/Operator Details

Owner/Operator Ind:	Current Owner	***Street No:***	
Type:	Private	***Street 1:***	
Name:	MOTOROLA INC	***Street 2:***	
Date Became Current:	19000101	***City:***	
Date Ended Current:		***State:***	
Phone:		***Country:***	US
Source Type:	Annual/Biennial Report update with Notification	***Zip Code:***	
Owner/Operator Ind:	Current Operator	***Street No:***	
Type:	Private	***Street 1:***	
Name:	MOTOROLA INC	***Street 2:***	

Date Became Current:	19000101	***City:***	
Date Ended Current:		***State:***	
Phone:		***Country:***	US
Source Type:	Annual/Biennial Report update with Notification	***Zip Code:***	
Owner/Operator Ind:	Current Owner	***Street No:***	
Type:	Private	***Street 1:***	
Name:	CHEVY CHASE BUSINESS PK LTD PT	***Street 2:***	
Date Became Current:		***City:***	
Date Ended Current:		***State:***	
Phone:		***Country:***	
Source Type:	Notification	***Zip Code:***	

Site: ***#1***
1520 ST. CHARLES BELLWOOD 60104 IL

SPILLS

Incident No:	H 2000 2235	***Area Involved:***	FIXED FACILITY
Date/Time Occurred:	Unknown @	***Latitude:***	
County:	COOK	***Longutude:***	
Milepost:		***Media Release:***	
Section:		***Facility Manager:***	
Township:		***Fac Manager Phone:***	
Range:			
Responsible Party Street:	1520 ST. CHARLES BELLWOOD IL 60104		

Hazardous Materials Incident Report

Incident Report Date:	11/21/2000 12:00:00 AM	***Date Entered:***	
Street Address:	1520 ST. CHARLES	***LUST?:***	
City:	BELLWOOD 60104	***Caller:***	
County:	COOK	***Caller Represents:***	
Entered by:		***Hazmat Incident Type:***	LEAK OR SPILL
Data Input Status:	CLOSED		
URL:	https://public.iema.state.il.us/FOIAHazmatSearch/HazmatDetails.aspx?RptNum=H 2000 2235		

Materials Involved

Name:	GASOLINE, DIESEL, AND WASTE OIL	***Cause of Release:***	1520 ST. CHARLES BELLWOOD IL 60104
Type:	LIQUID	***Est Spill Extent:***	UNKNOWN
CHRIS CODE:		***Spill Extent Units:***	
CAS No:		***Date/Time Inc Occur:***	Unknown @
UN/NA No:		***Unknown Occurr:***	
Container Type:	UNDERGROUND TANK	***Date/Time Discov:***	11/21/2000 @ 12:00
Container Size:	3-3000 GALLONS (GASOLINE) 1 2000 GALLONS (DIESEL) 1 500 GALLONS (WASTE OIL)	***Unknown Discovered:***	
Amount Released:	UNKOWN	***Where Taken:***	
Rate of Release Min:	UNKNOWN	***On Scene Contact:***	#1
Duration of Release:		***No of People Evacuat:***	NONE
A 302(a) Extremely Haz Sub?:			
A RCRA Hazardous Waste?:			
A RCRA Regulated Facility?:			
Public Health Risks:	NONE		
State Agency Assistance:	NONE		
Containment/Cleanup Plans:	UNITED ENVIRONEMENTAL CONSULTANTS WILL BE HANDLING THE CLEAN-UP		

Emergency Units Contacted

Contacted ESDA?:		***Name of Police Dep:***	
ESDA on Scene?:		***Sheriff Police Dep?:***	
Spec ESDA Agency:		***Sheriff Dep on Scene:***	
Contacted Fire Dep?:		***Name of Sheriff Dep:***	
Fire Dep on Scene?:		***Other Agency ?:***	YES
Name of Fire Dep:		***Agency on Scene?:***	
Police Dep Contact?:		***Name of Agency:***	OSFM
Police Dep on Scene:			

Narrative

Narrative:

OSFM, IEPA, IEMA REGION 4 **Note: Many records provided by the department have a truncated [Narrative] field.

Site: ***KANEY TRANSPORTATION INC.***
MCHENRY RD. & LAKE COOK R BUFFALO GROVE IL

SPILLS

Incident No:	940040	***Area Involved:***	FIXED FACILITY
Date/Time Occurred:	01/06/94 1045	***Latitude:***	
County:	LAKE	***Longutude:***	
Milepost:		***Media Release:***	
Section:		***Facility Manager:***	
Township:		***Fac Manager Phone:***	
Range:			
Responsible Party Street:			

Hazardous Materials Incident Report

Incident Report Date:	1/6/1994 1:14:00 PM	***Date Entered:***	
Street Address:	MCHENRY RD. & LAKE COOK R	***LUST?:***	
City:	BUFFALO GROVE	***Caller:***	GARY HOLTE
County:	LAKE	***Caller Represents:***	KANEY TRANSPORTATION INC.
Entered by:		***Hazmat Incident Type:***	SPILL
Data Input Status:	CLOSED		
URL:	https://public.iema.state.il.us/FOIAHazmatSearch/HazmatDetails.aspx?RptNum=940040		

Materials Involved

Name:	GASOLINE	***Cause of Release:***	MECHANICAL FAILURE
Type:	UNKNOWN	***Est Spill Extent:***	
CHRIS CODE:		***Spill Extent Units:***	
CAS No:		***Date/Time Inc Occur:***	01/06/94 1045
UN/NA No:		***Unknown Occurr:***	
Container Type:	UNDERGROUND TANK	***Date/Time Discov:***	
Container Size:	UNDERGROUND TANK	***Unknown Discovered:***	
Amount Released:	40 GAL.	***Where Taken:***	-0-
Rate of Release Min:		***On Scene Contact:***	
Duration of Release:		***No of People Evacuat:***	-0-
A 302(a) Extremely Haz Sub?:			
A RCRA Hazardous Waste?:			
A RCRA Regulated Facility?:			
Public Health Risks:	-0-		
State Agency Assistance:			
Containment/Cleanup Plans:			

Site: ***R.A. Peterson***
750 Lake Cook Rd Buffalo Grove IL

SPILLS

Incident No:	H-2012-0547	***Area Involved:***	Fixed Facility
Date/Time Occurred:	2012-05-28 08:00	***Latitude:***	
County:	Lake	***Longutude:***	
Milepost:		***Media Release:***	Water
Section:		***Facility Manager:***	Jim Kelly
Township:		***Fac Manager Phone:***	847/833-7805
Range:			
Responsible Party Street:	1951 North 25th Ave.		

Hazardous Materials Incident Report

Incident Report Date:	5/30/2012 10:19:25 PM	***Date Entered:***	
Street Address:	750 Lake Cook Rd	***LUST?:***	No
City:	Buffalo Grove	***Caller:***	Martha Curnow

County:	Lake	***Caller Represents:***	Hamilton Partners
Entered by:	DeHeve, Joshua (IEMA)	***Hazmat Incident Type:***	Leak or spill
Data Input Status:	Closed		
URL:	https://public.iema.state.il.us/FOIAHazmatSearch/HazmatDetails.aspx?RptNum=H-2012-0547		

Weather Information

Temp:	N/A	***Wind:***	N/A

Materials Involved

Name:	Seal Coating	***Cause of Release:***	New pavement being placed and this coating was applied.
Type:	Liquid	***Est Spill Extent:***	Unknown
CHRIS CODE:	Unknown	***Spill Extent Units:***	
CAS No:	Unknown	***Date/Time Inc Occur:***	2012-05-28 08:00
UN/NA No:	Unknown	***Unknown Occurr:***	
Container Type:	Above ground storage tank	***Date/Time Discov:***	2012-05-30 15:00
Container Size:	Unknown	***Unknown Discovered:***	
Amount Released:	Unknown	***Where Taken:***	N/A
Rate of Release Min:	Unknown	***On Scene Contact:***	Martha Curnow
Duration of Release:	Unknown	***No of People Evacuat:***	0

A 302(a) Extremely Haz Sub?:	Unknown
A RCRA Hazardous Waste?:	Unknown
A RCRA Regulated Facility?:	Unknown
Public Health Risks:	Yes
State Agency Assistance:	None
Containment/Cleanup Plans:	Environmental Restoration LLC isolating by placing booms and removing fish.

Agency or Persons Notified

Agency:	IEPA, NRTP, IEMA Region 4	***Name of Person:***	Emailed
Date/Time:	2012-05-30 22:30	***Notification Action:***	Report Sent
Agency:	IDNR, OSFM, Chicago FD	***Name of Person:***	Emailed
Date/Time:	2012-05-30 22:30	***Notification Action:***	Report Sent
Agency:	IEPA D/O	***Name of Person:***	Roger Lauder
Date/Time:	2012-05-30 22:25	***Notification Action:***	Contacted
Agency:	IDNR Conservation D/O	***Name of Person:***	Joe Morelock (left msg)
Date/Time:	2012-05-30 22:23	***Notification Action:***	

Site: ***RAIN-RD CONSTRUCTION***
LAKE SIDE CIRCLE TOWN HOUSE COMPLEX WHEELING IL SPILLS2

Incident ID:	NL830407	***Occured Date:***	
Recieved Date:	5/29/1983	***Incident Lust:***	
Action:		***Incident County:***	COOK
Action Descr:			

Site: ***RAIN-RD CONSTRUCTION***
LAKE SIDE CIRCLE TOWN HOUSE COMPLEX WHEELING IL SPILLS2

Incident ID:	NL830407	***Occured Date:***	
Recieved Date:	5/28/1983	***Incident Lust:***	
Action:		***Incident County:***	COOK
Action Descr:			

Site: ***TEMPO 2 CO.***
DEER VALLEY RD 1 MI N OF LAKE-COOK RD WHEELING IL SPILLS2

Incident ID:	NL810201	***Occured Date:***	

Recieved Date:	4/9/1981	***Incident Lust:***	
Action:		***Incident County:***	LAKE
Action Descr:			

Site: ***North Shore Gas - Lake Cook Road Station***
1350 Lake Cook Road Buffalo Grove IL 60089

TIER 2

LEPC:	Lake	***Owner Street:***	200 East Randolph Street
Report Year:	2017	***Owner City:***	Chicago
Facility State:	Illinois	***Owner State:***	IL
Facility County:	Lake	***Owner Zip Code:***	60601
Facility Fax:	7737425094	***Mailing Name:***	WEC Business Services
Facility Latitude:	42.1537	***Mailing Street:***	200 East Randolph Street
Facility Longitude:	-87.9362	***Mailing City:***	Chicago
Owner:	North Shore Gas	***Mailing State:***	IL
Owner Phone:	8472634601	***Mailing Zip Code:***	60601
Fire Dept:	Buffalo Grove Fire Department 2		

Tier II Details

Chemical CAS No:	107211	***Max Daily Amt (lbs):***	25,000-49,999
Chemical EHS:	No	***Avg Daily Amt (lbs):***	25,000-49,999
Chemical Contents:	Mixture, Liquid,	***Chemical Name:***	ETHYLENE GLYCOL/WATER
Chem Health Haz:	Immediate, Delayed,	***Facility Phone:***	8472634601
Corporate Name:	North Shore Gas - Lake Cook Road Station		

Appendix: Database Descriptions

Environmental Risk Information Services (ERIS) can search the following databases. The extent of historical information varies with each database and current information is determined by what is publicly available to ERIS at the time of update. ERIS updates databases as set out in ASTM Standard E1527-13, Section 8.1.8 Sources of Standard Source Information:

"Government information from nongovernmental sources may be considered current if the source updates the information at least every 90 days, or, for information that is updated less frequently than quarterly by the government agency, within 90 days of the date the government agency makes the information available to the public."

Standard Environmental Record Sources

Federal

National Priority List: NPL

National Priorities List (Superfund)-NPL: EPA's (United States Environmental Protection Agency) list of the most serious uncontrolled or abandoned hazardous waste sites identified for possible long-term remedial action under the Superfund program. The NPL, which EPA is required to update at least once a year, is based primarily on the score a site receives from EPA's Hazard Ranking System. A site must be on the NPL to receive money from the Superfund Trust Fund for remedial action.

Government Publication Date: Feb 6, 2019

National Priority List - Proposed: PROPOSED NPL

Includes sites proposed (by the EPA, the state, or concerned citizens) for addition to the NPL due to contamination by hazardous waste and identified by the Environmental Protection Agency (EPA) as a candidate for cleanup because it poses a risk to human health and/or the environment.

Government Publication Date: Feb 6, 2019

Deleted NPL: DELETED NPL

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Government Publication Date: Feb 6, 2019

SEMS List 8R Active Site Inventory: SEMS

The Superfund Program has deployed the Superfund Enterprise Management System (SEMS), which integrates multiple legacy systems into a comprehensive tracking and reporting tool. This inventory contains active sites evaluated by the Superfund program that are either proposed to be or are on the National Priorities List (NPL) as well as sites that are in the screening and assessment phase for possible inclusion on the NPL. The Active Site Inventory Report displays site and location information at active SEMS sites. An active site is one at which site assessment, removal, remedial, enforcement, cost recovery, or oversight activities are being planned or conducted.

Government Publication Date: Feb 6, 2019

Inventory of Open Dumps, June 1985: ODI

The Resource Conservation and Recovery Act (RCRA) provides for publication of an inventory of open dumps. The Act defines "open dumps" as facilities which do not comply with EPA's "Criteria for Classification of Solid Waste Disposal Facilities and Practices" (40 CFR 257).

Government Publication Date: Jun 1985

SEMS List 8R Archive Sites: SEMS ARCHIVE

The Superfund Enterprise Management System (SEMS) Archived Site Inventory displays site and location information at sites archived from SEMS. An archived site is one at which EPA has determined that assessment has been completed and no further remedial action is planned under the Superfund program at this time.

Government Publication Date: Feb 6, 2019

Comprehensive Environmental Response, Compensation and Liability Information System - CERCLIS: CERCLIS

Superfund is a program administered by the United States Environmental Protection Agency (EPA) to locate, investigate, and clean up the worst hazardous waste sites throughout the United States. CERCLIS is a database of potential and confirmed hazardous waste sites at which the EPA Superfund program has some involvement. It contains sites that are either proposed to be or are on the National Priorities List (NPL) as well as sites that are in the screening and assessment phase for possible inclusion on the NPL. The EPA administers the Superfund program in cooperation with individual states and tribal governments; this database is made available by the EPA.

Government Publication Date: Oct 25, 2013

EPA Report on the Status of Open Dumps on Indian Lands: IODI

Public Law 103-399, The Indian Lands Open Dump Cleanup Act of 1994, enacted October 22, 1994, identified congressional concerns that solid waste open dump sites located on American Indian or Alaska Native (AI/AN) lands threaten the health and safety of residents of those lands and contiguous areas. The purpose of the Act is to identify the location of open dumps on Indian lands, assess the relative health and environment hazards posed by those sites, and provide financial and technical assistance to Indian tribal governments to close such dumps in compliance with Federal standards and regulations or standards promulgated by Indian Tribal governments or Alaska Native entities.

Government Publication Date: Dec 31, 1998

CERCLIS - No Further Remedial Action Planned: CERCLIS NFRAP

An archived site is one at which EPA has determined that assessment has been completed and no further remedial action is planned under the Superfund program at this time. The Archive designation means that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL). This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Government Publication Date: Oct 25, 2013

CERCLIS Liens: CERCLIS LIENS

A Federal Superfund lien exists at any property where EPA has incurred Superfund costs to address contamination ("Superfund site") and has provided notice of liability to the property owner. A Federal CERCLA ("Superfund") lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. This database is made available by the United States Environmental Protection Agency (EPA).

Government Publication Date: Jan 30, 2014

RCRA CORRACTS-Corrective Action: RCRA CORRACTS

RCRA Info is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. At these sites, the Corrective Action Program ensures that cleanups occur. EPA and state regulators work with facilities and communities to design remedies based on the contamination, geology, and anticipated use unique to each site.

Government Publication Date: Mar 4, 2019

RCRA non-CORRACTS TSD Facilities: RCRA TSD

RCRA Info is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. This database includes Non-Corrective Action sites listed as treatment, storage and/or disposal facilities of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA).

Government Publication Date: Mar 4, 2019

RCRA Generator List: RCRA LQG

RCRA Info is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Large Quantity Generators (LQGs) generate 1,000 kilograms per month or more of hazardous waste or more than one kilogram per month of acutely hazardous waste.

Government Publication Date: Mar 4, 2019

RCRA Small Quantity Generators List: RCRA SQG

RCRA Info is the EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Small Quantity Generators (SQGs) generate more than 100 kilograms, but less than 1,000 kilograms, of hazardous waste per month.

Government Publication Date: Mar 4, 2019

RCRA Conditionally Exempt Small Quantity Generators List: RCRA CESQG

RCRA Info is the EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Conditionally Exempt Small Quantity Generators (CESQG) generate 100 kilograms or less per month of hazardous waste or one kilogram or less per month of acutely hazardous waste.

Government Publication Date: Mar 4, 2019

RCRA Non-Generators: RCRA NON GEN

RCRA Info is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Non-Generators do not presently generate hazardous waste.

Government Publication Date: Mar 4, 2019

Federal Engineering Controls-ECs: FED ENG

Engineering controls (ECs) encompass a variety of engineered and constructed physical barriers (e.g., soil capping, sub-surface venting systems, mitigation barriers, fences) to contain and/or prevent exposure to contamination on a property. This database is made available by the United States Environmental Protection Agency (EPA).

Government Publication Date: Jan 20, 2016

Federal Institutional Controls- ICs: FED INST

Institutional controls are non-engineered instruments, such as administrative and legal controls, that help minimize the potential for human exposure to contamination and/or protect the integrity of the remedy. Although it is EPA's (United States Environmental Protection Agency) expectation that treatment or engineering controls will be used to address principal threat wastes and that groundwater will be returned to its beneficial use whenever practicable, ICs play an important role in site remedies because they reduce exposure to contamination by limiting land or resource use and guide human behavior at a site.

Government Publication Date: Jan 20, 2016

Emergency Response Notification System: ERNS 1982 TO 1986

Database of oil and hazardous substances spill reports controlled by the National Response Center. The primary function of the National Response Center is to serve as the sole national point of contact for reporting oil, chemical, radiological, biological, and etiological discharges into the environment anywhere in the United States and its territories.

Government Publication Date: 1982-1986

Emergency Response Notification System: ERNS 1987 TO 1989

Database of oil and hazardous substances spill reports controlled by the National Response Center. The primary function of the National Response Center is to serve as the sole national point of contact for reporting oil, chemical, radiological, biological, and etiological discharges into the environment anywhere in the United States and its territories.

Government Publication Date: 1987-1989

Emergency Response Notification System: ERNS

Database of oil and hazardous substances spill reports controlled by the National Response Center. The primary function of the National Response Center is to serve as the sole national point of contact for reporting oil, chemical, radiological, biological, and etiological discharges into the environment anywhere in the United States and its territories. This database is made available by the United States Environmental Protection Agency (EPA).

Government Publication Date: Mar 21, 2019

The Assessment, Cleanup and Redevelopment Exchange System (ACRES) Brownfield Database: FED BROWNFIELDS

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties protects the environment, reduces blight, and takes development pressures off greenspaces and working lands. This database is made available by the United States Environmental Protection Agency (EPA).

Government Publication Date: Jan 11, 2019

FEMA Underground Storage Tank Listing: FEMA UST

The Federal Emergency Management Agency (FEMA) of the Department of Homeland Security maintains a list of FEMA owned underground storage tanks.

Government Publication Date: Dec 31, 2017

LIEN on Property: SEMS LIEN

The EPA Superfund Enterprise Management System (SEMS) provides LIEN information on properties under the EPA Superfund Program.

Government Publication Date: Feb 6, 2019

Superfund Decision Documents: SUPERFUND ROD

This database contains a listing of decision documents for Superfund sites. Decision documents serve to provide the reasoning for the choice of (or) changes to a Superfund Site cleanup plan. The decision documents include Records of Decision (ROD), ROD Amendments, Explanations of Significant Differences (ESD), along with other associated memos and files. This information is maintained and made available by the US EPA (Environmental Protection Agency).

Government Publication Date: Feb 12, 2019

State

State Response Action Program Database: SSU

The State Response Action Program database identifies the status of all sites under the responsibility of the Illinois EPA's State Sites Unit. The State Response Action Program database made available by Illinois Environmental Protection Agency. This database is state equivalent CERCLIS.

Government Publication Date: Jan 8, 2019

Delisted State Response Action Program: DELISTED SSU

List of sites removed from the State Response Action Program database identifies the status of all sites under the responsibility of the Illinois EPA's State Sites Unit.

Government Publication Date: Jan 8, 2019

Solid Waste Landfills Subject to State Surcharge Database: SWF/LF

The Bureau of Land maintains a list of solid waste facilities and landfills throughout the state. This list made available by Illinois Environmental Protection Agency's Bureau of land.

Government Publication Date: Mar 2, 2018

Special Waste Site List: SWF/LF SPECIAL

The following landfills are those that as of January 1, 1990, accept non-hazardous special waste pursuant to the Illinois Environmental Protection Agency Non-Hazardous Special Waste Definition. List A includes landfills that may receive any non-hazardous waste. Non-Regional Pollutant Control Facilities are so noted. List B includes landfills designed to receive specific non-hazardous wastes. List B landfills are designated as a Regional Pollutant Control Facility by RPCF, or Non-regional Pollutant Control Facility by Non-RPCF.

Government Publication Date: Jan 1, 1990

Northeastern Illinois Planning Commission Historical Inventory of Solid Waste Disposal Sites in Northeastern Illinois: NIPC

Historical inventory of solid waste disposal sites in northeastern Illinois prepared by the Northeastern Illinois Planning Commission (NIPC).

Government Publication Date: Dec 1987

Clean Construction or Demolition Debris: CCDD

This is a list of CCDD Fill Operations with Approved Permits. Beginning July 1, 2008, no person can use CCDD as fill material in a current or former quarry, mine, or other excavation unless they have obtained a permit from the Illinois EPA.

Government Publication Date: Apr 30, 2018

Leaking Underground Storage Tanks (LUST): LUST

The Leaking Underground Storage Tank Incident Tracking (LIT) database identifies the status of all Illinois LUST incidents reported to the Illinois Emergency Management Agency (IEMA) and to the Illinois Environmental Protection Agency.

Government Publication Date: Apr 9, 2019

Delisted Leaking Underground Storage Tank Sites: DELISTED LUST

List of sites removed from the Leaking Underground Storage Tank Incident Tracking (LIT) database made available by the Illinois Environmental Protection Agency.

Government Publication Date: Apr 9, 2019

Underground Storage Tank Fund Payment Priority List: LUST TRUST

In case sufficient funds are not available in the Underground Storage Tank Fund, requests for payment are entered on the Payment Priority List by "queue date" order. As required by the Environmental Protection Act, the queue date is the date that a complete request for partial or final payment was received by the Agency. The queue date is "officially" confirmed at the end of the payment review process when a Final Decision Letter is sent to the site owner. The Underground Storage Tank Fund Priority list made available by Illinois Environmental Protection Agency.

Government Publication Date: Nov 01, 2016

Underground Storage Tank Database (UST): UST

This database maintained by Division of Petroleum & Chemical Safety, contains information derived from tank registration information supplied to the Office of the Illinois State Fire Marshal (OSFM) from outside sources.

Government Publication Date: Apr 5, 2019

Aboveground Storage Tanks (AST): AST

A list of aboveground storage tanks inspected by the Office of State Fire Marshal (OSFM).

Government Publication Date: Dec 31, 2018

Delisted Storage Tanks: DELISTED TANK

This database contains a list of closed storage tank sites that were removed from the illinois Department of Enivornmental Quality.

Government Publication Date: Apr 3, 2019

Sites with Engineering Controls: ENG

Sites in the Illinois Environmental Protection Agency (IEPA)'s Site Remedition Program (SRP) database with engineering controls in place.

Government Publication Date: Mar 19, 2019

Institutional Controls: INST

Sites in the Illinois Environmental Protection Agency (IEPA)'s Site Remedition Program (SRP) database with institutional controls in place.

Government Publication Date: Mar 19, 2019

Illinois Site Remediation Program Database: SRP

The Site Remediation Program (SRP) database identifies the status of all voluntary remediation projects administered through the Pre-Notice Site Cleanup Program (1989 to 1995) and the Site Remediation Program (1996 to the present). This Site Remediation program database made available by Illinois Environmental Protection Agency.

Government Publication Date: Mar 19, 2019

Brownfields Redevelopment Assessment Database: BROWNFIELDS

The Office of Site Evaluations Redevelopment Assessment database identifies the status of properties within the State in which the Illinois EPA's Office of Site Evaluation has conducted a Municipal Brownfields Redevelopment Grant (MBRG) project.

Government Publication Date: Feb 19, 2019

Municipal Brownfields Redevelopment Grant Program (MBRGP) project sites administered through OBA: BROWN MBRGP

The Office of Brownfields Assistance (OBA) database identifies the status of all Municipal Brownfields Redevelopment Grant Program (MBRGP) project sites administered through OBA. Office of Brownfields Assistance Database search made available by Illinois Environmental Protection Agency's Bureau of Land Data-Center.

Government Publication Date: Mar 31, 2013

Tribal

Leaking Underground Storage Tanks on Indian Lands: INDIAN LUST

List of Leaking Underground Storage Tanks (LUSTs) on Tribal/Indian Lands in EPA Region 5, which includes Michigan, Minnesota and Wisconsin. There no LUST records in Illinois at this time.

Government Publication Date: Oct 16, 2017

Underground Storage Tanks (USTs) on Indian Lands: INDIAN UST

Underground Storage Tanks (USTs) on Tribal/Indian Lands in EPA Region 5. There are no UST records in Illinois at this time.

Government Publication Date: Oct 16, 2017

Delisted Tribal Leaking Storage Tanks: DELISTED ILST

Leaking Underground Storage Tank facilities which have been removed from the Regional Tribal LUST lists made available by the EPA.

Government Publication Date: Oct 14, 2017

Delisted Tribal Underground Storage Tanks: DELISTED IUST

Underground Storage Tank facilities which have been removed from the Regional Tribal UST lists made available by the EPA.

Government Publication Date: Oct 14, 2017

County

Chicago Storage Tanks: TANKS CHICAGO

This dataset contains Aboveground Storage Tank (AST) and Underground Storage Tank (UST) information from the City of Chicago Department of Public Health's (CDPH) Tank Asset Database. The Tank Asset Database contains tank information from CDPH AST and UST permit applications as well as UST records imported from the historic City of Chicago Department of Environment (DOE) database. This dataset also includes AST records from the historic DOE and pre-1992 UST records from the Building Department.

Government Publication Date: Apr 3, 2019

Chicago Environmental Permits: PERMITS CHICAGO

Permits issued by the City of Chicago Department of Environment (DOE) from January 1993 to December 31, 2011 and by the City of Chicago Department of Public Health (CDPH) since January 1, 2012. On January 1, 2012, the DOE was disbanded and all its inspection, permitting, and enforcement authorities were transferred to the CDPH.

Government Publication Date: Apr 2, 2019

Additional Environmental Record Sources

Federal

Facility Registry Service/Facility Index: FINDS/FRS

The US Environmental Protection Agency (EPA)'s Facility Registry System (FRS) is a centrally managed database that identifies facilities, sites or places subject to environmental regulations or of environmental interest. FRS creates high-quality, accurate, and authoritative facility identification records through rigorous verification and management procedures that incorporate information from program national systems, state master facility records, data collected from EPA's Central Data Exchange registrations and data management personnel.

Government Publication Date: Jan 30, 2019

Toxics Release Inventory (TRI) Program: TRIS

The EPA's Toxics Release Inventory (TRI) is a database containing data on disposal or other releases of over 650 toxic chemicals from thousands of U.S. facilities and information about how facilities manage those chemicals through recycling, energy recovery, and treatment. One of TRI's primary purposes is to inform communities about toxic chemical releases to the environment.

Government Publication Date: Dec 31, 2017

Hazardous Materials Information Reporting System: HMIRS

US DOT - Department of Transportation Pipeline and Hazardous Materials Safety Administration (PHMSA) Incidents Reports Database taken from Hazmat Intelligence Portal, U.S. Department of Transportation.

Government Publication Date: Jan 8, 2019

National Clandestine Drug Labs: NCDL

The U.S. Department of Justice ("the Department") provides this data as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy.
Government Publication Date: Jul 18, 2018

Toxic Substances Control Act: TSCA

The Environmental Protection Agency (EPA) is amending the Toxic Substances Control Act (TSCA) section 8(a) Inventory Update Reporting (IUR) rule and changing its name to the Chemical Data Reporting (CDR) rule.
The CDR enables EPA to collect and publish information on the manufacturing, processing, and use of commercial chemical substances and mixtures (referred to hereafter as chemical substances) on the TSCA Chemical Substance Inventory (TSCA Inventory). This includes current information on chemical substance production volumes, manufacturing sites, and how the chemical substances are used. This information helps the Agency determine whether people or the environment are potentially exposed to reported chemical substances. EPA publishes submitted CDR data that is not Confidential Business Information (CBI).
Government Publication Date: Jun 30, 2017

Hist TSCA: HIST TSCA

The Environmental Protection Agency (EPA) is amending the Toxic Substances Control Act (TSCA) section 8(a) Inventory Update Reporting (IUR) rule and changing its name to the Chemical Data Reporting (CDR) rule.
The 2006 IUR data summary report includes information about chemicals manufactured or imported in quantities of 25,000 pounds or more at a single site during calendar year 2005. In addition to the basic manufacturing information collected in previous reporting cycles, the 2006 cycle is the first time EPA collected information to characterize exposure during manufacturing, processing and use of organic chemicals. The 2006 cycle also is the first time manufacturers of inorganic chemicals were required to report basic manufacturing information.
Government Publication Date: Dec 31, 2006

FTTS Administrative Case Listing: FTTS ADMIN

An administrative case listing from the Federal Insecticide, Fungicide, & Rodenticide Act (FIFRA) and Toxic Substances Control Act (TSCA), together known as FTTS. This database was obtained from the Environmental Protection Agency's (EPA) National Compliance Database (NCDB). The FTTS and NCDB was shut down in 2006.
Government Publication Date: Jan 19, 2007

FTTS Inspection Case Listing: FTTS INSP

An inspection case listing from the Federal Insecticide, Fungicide, & Rodenticide Act (FIFRA) and Toxic Substances Control Act (TSCA), together known as FTTS. This database was obtained from the Environmental Protection Agency's (EPA) National Compliance Database (NCDB). The FTTS and NCDB was shut down in 2006.
Government Publication Date: Jan 19, 2007

Potentially Responsible Parties List: PRP

Early in the cleanup process, the Environmental Protection Agency (EPA) conducts a search to find the potentially responsible parties (PRPs). EPA looks for evidence to determine liability by matching wastes found at the site with parties that may have contributed wastes to the site.
Government Publication Date: Dec 20, 2018

State Coalition for Remediation of Drycleaners Listing: SCRD DRYCLEANER

The State Coalition for Remediation of Drycleaners (SCRD) was established in 1998, with support from the U.S. Environmental Protection Agency (EPA) Office of Superfund Remediation and Technology Innovation. Coalition members are states with mandated programs and funding for drycleaner site remediation. Current members are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.
Government Publication Date: Nov 08, 2017

Integrated Compliance Information System (ICIS): ICIS

The Integrated Compliance Information System (ICIS) is a system that provides information for the Federal Enforcement and Compliance (FE&C) and the National Pollutant Discharge Elimination System (NPDES) programs. The FE&C component supports the Environmental Protection Agency's (EPA) Civil Enforcement and Compliance program activities. These activities include Compliance Assistance, Compliance Monitoring and Enforcement. The NPDES program supports tracking of NPDES permits, limits, discharge monitoring data and other program reports.
Government Publication Date: Nov 18, 2016

Drycleaner Facilities: FED DRYCLEANERS

A list of drycleaner facilities from the Integrated Compliance Information System (ICIS). The Environmental Protection Agency (EPA) tracks facilities that possess NAIC and SIC codes that classify businesses as drycleaner establishments.

Government Publication Date: May 29, 2018

Delisted Drycleaner Facilities: DELISTED FED DRY

List of sites removed from the list of Drycleaner Facilities (sites in the EPA's Integrated Compliance Information System (ICIS) with NAIC or SIC codes identifying the business as a drycleaner establishment).

Government Publication Date: May 29, 2018

Formerly Used Defense Sites: FUDS

Formerly Used Defense Sites (FUDS) are properties that were formerly owned by, leased to, or otherwise possessed by and under the jurisdiction of the Secretary of Defense prior to October 1986, where the Department of Defense (DoD) is responsible for an environmental restoration. This list is published by the U.S. Army Corps of Engineers.

Government Publication Date: Oct 23, 2018

Material Licensing Tracking System (MLTS): MLTS

A list of sites that store radioactive material subject to the Nuclear Regulatory Commission (NRC) licensing requirements. This list is maintained by the NRC. As of September 2016, the NRC no longer releases location information for sites. Site locations were last received in July 2016.

Government Publication Date: Nov 1, 2018

Historic Material Licensing Tracking System (MLTS) sites: HIST MLTS

A historic list of sites that have inactive licenses and/or removed from the Material Licensing Tracking System (MLTS). In some cases, a site is removed from the MLTS when the state becomes an "Agreement State". An Agreement State is a State that has signed an agreement with the Nuclear Regulatory Commission (NRC) authorizing the State to regulate certain uses of radioactive materials within the State.

Government Publication Date: Jan 31, 2010

Mines Master Index File: MINES

The Master Index File (MIF) contains mine identification numbers issued by the Department of Labor Mine Safety and Health Administration (MSHA) for mines active or opened since 1971. Note that addresses may or may not correspond with the physical location of the mine itself.

Government Publication Date: Nov 30, 2018

Alternative Fueling Stations: ALT FUELS

List of alternative fueling stations made available by the US Department of Energy's Office of Energy Efficiency & Renewable Energy. Includes Biodiesel stations, Ethanol (E85) stations, Liquefied Petroleum Gas (Propane) stations, Ethanol (E85) stations, Natural Gas stations, Hydrogen stations, and Electric Vehicle Supply Equipment (EVSE). The National Renewable Energy Laboratory (NREL) obtains information about new stations from trade media, Clean Cities coordinators, a Submit New Station form on the Station Locator website, and through collaborating with infrastructure equipment and fuel providers, original equipment manufacturers (OEMs), and industry groups.

Government Publication Date: Apr 8, 2019

Registered Pesticide Establishments: SSTS

List of active EPA-registered foreign and domestic pesticide-producing and device-producing establishments based on data from the Section Seven Tracking System (SSTS). The Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) Section 7 requires that facilities producing pesticides, active ingredients, or devices be registered. The list of establishments is made available by the EPA.

Government Publication Date: Sep 1, 2018

Polychlorinated Biphenyl (PCB) Notifiers: PCB

Facilities included in the national list of facilities that have notified the United States Environmental Protection Agency (EPA) of Polychlorinated Biphenyl (PCB) activities. Any company or person storing, transporting or disposing of PCBs or conducting PCB research and development must notify the EPA and receive an identification number.

Government Publication Date: Mar 20, 2019

State

Spills and Incidents: SPILLS

A list of reports taken by Illinois Emergency Management Agency (IEMA) of Hazardous Material spills in Illinois.

Government Publication Date: Mar 3, 2019

Emergency Response Releases & Spills Database: SPILLS2

The Office of Emergency Response (OER) maintains the Emergency Response Releases & Spills Database.
The Emergency Operations Unit, within OER, coordinates Illinois EPA's response to environmental emergencies involving oil or hazardous materials and ensures that any environmental contamination is cleaned up. EOU works with other response agencies including the Illinois Emergency Management Agency (IEMA), which is the initial contact for responses to an emergency or disaster in Illinois.

Government Publication Date: Apr 8, 2019

Tier 2 Report: TIER 2

List of facilities who submit Tier II forms to the Illinois Emergency Management Agency (IEMA).

Government Publication Date: Jul 12, 2018

Dry Cleaning Facilities: DRYCLEANERS

A list of licensed drycleaners facilities provided by Drycleaner Environmental Response Trust Fund of Illinois.

Government Publication Date: Feb 24, 2019

Delisted Drycleaners: DELISTED DRYCLEANERS

List of sites removed from the drycleaners database made available by the Drycleaner Environmental Response Trust Fund of Illinois.

Government Publication Date: Feb 24, 2019

Clandestine Drug Labs: CDL

List of clandestine drug lab locations made available by the Illinois Department of Public Health. The Department maintains a list of properties from reports it receives from the Illinois State Police through the Illinois Emergency Management Agency.

Government Publication Date: Sep 14, 2018

Tribal

No Tribal additional environmental record sources available for this State.

County

No County additional environmental record sources available for this State.

Definitions

Database Descriptions: This section provides a detailed explanation for each database including: source, information available, time coverage, and acronyms used. They are listed in alphabetic order.

Detail Report: This is the section of the report which provides the most detail for each individual record. Records are summarized by location, starting with the project property followed by records in closest proximity.

Distance: The distance value is the distance between plotted points, not necessarily the distance between the sites' boundaries. All values are an approximation.

Direction: The direction value is the compass direction of the site in respect to the project property and/or center point of the report.

Elevation: The elevation value is taken from the location at which the records for the site address have been plotted. All values are an approximation. Source: Google Elevation API.

Executive Summary: This portion of the report is divided into 3 sections:

'Report Summary'- Displays a chart indicating how many records fall on the project property and, within the report search radii.

'Site Report Summary'-Project Property'- This section lists all the records which fall on the project property. For more details, see the 'Detail Report' section.

'Site Report Summary-Surrounding Properties'- This section summarizes all records on adjacent properties, listing them in order of proximity from the project property. For more details, see the 'Detail Report' section.

Map Key: The map key number is assigned according to closest proximity from the project property. Map Key numbers always start at #1. The project property will always have a map key of '1' if records are available. If there is a number in brackets beside the main number, this will indicate the number of records on that specific property. If there is no number in brackets, there is only one record for that property.

The symbol and colour used indicates 'elevation': the red inverted triangle will dictate 'ERIS Sites with Lower Elevation', the yellow triangle will dictate 'ERIS Sites with Higher Elevation' and the orange square will dictate 'ERIS Sites with Same Elevation.'

Unplottables: These are records that could not be mapped due to various reasons, including limited geographic information. These records may or may not be in your study area, and are included as reference.

ENVIRONMENTAL RISK INFORMATION SERVICES

DATABASE REPORT

Project Property:	*University Dr W* *University Dr & Buffalo Grove Road* *Wheeling Township IL 60004*
Project No:	*T19-357*
Report Type:	*Screen Report Plus*
Order No:	*20190510170*
Requested by:	*Bluff City Materials, Inc*
Date Completed:	*May 10, 2019*

Environmental Risk Information Services
A division of Glacier Media Inc.
1.866.517.5204 | info@erisinfo.com | erisinfo.com

Table of Contents

Executive Summary

Property Information:

Project Property:		*University Dr W* *University Dr & Buffalo Grove Road Wheeling Township IL 60004*
Project No:		*T19-357*
Coordinates:		
	Latitude:	*42.133638*
	Longitude:	*-87.957375*
	UTM Northing:	*4,665,057.59*
	UTM Easting:	*420,878.26*
	UTM Zone:	*UTM Zone 16T*
Elevation:		*680 FT*

Order Information:

Order No:	*20190510170*
Date Requested:	*May 10, 2019*
Requested by:	*Bluff City Materials, Inc*
Report Type:	*Screen Report Plus*

Historicals/Products:

ERIS Xplorer	*ERIS Xplorer*
Excel Add-On	*Excel Add-On*

Executive Summary: Report Summary

Database	Searched	Project Property	Within 0.250mi	Total
Standard Environmental Records				
Federal				
NPL	Y	0	0	0
PROPOSED NPL	Y	0	0	0
DELETED NPL	Y	0	0	0
SEMS	Y	0	0	0
ODI	Y	0	0	0
SEMS ARCHIVE	Y	0	0	0
CERCLIS	Y	0	0	0
IODI	Y	0	0	0
CERCLIS NFRAP	Y	0	0	0
CERCLIS LIENS	Y	0	0	0
RCRA CORRACTS	Y	0	0	0
RCRA TSD	Y	0	0	0
RCRA LQG	Y	0	0	0
RCRA SQG	Y	0	0	0
RCRA CESQG	Y	0	0	0
RCRA NON GEN	Y	0	0	0
FED ENG	Y	0	0	0
FED INST	Y	0	0	0
ERNS 1982 TO 1986	Y	0	0	0
ERNS 1987 TO 1989	Y	0	0	0
ERNS	Y	0	0	0
FED BROWNFIELDS	Y	0	0	0
FEMA UST	Y	0	0	0
SEMS LIEN	Y	0	0	0
SUPERFUND ROD	Y	0	0	0
State				

Database	Searched	Project Property	Within 0.250mi	Total
SSU	Y	0	0	0
DELISTED SSU	Y	0	0	0
SWF/LF	Y	0	0	0
SWF/LF SPECIAL	Y	0	0	0
NIPC	Y	0	0	0
CCDD	Y	0	0	0
LUST	Y	0	0	0
DELISTED LUST	Y	0	0	0
LUST TRUST	Y	0	0	0
UST	Y	0	0	0
AST	Y	0	0	0
DELISTED TANK	Y	0	0	0
ENG	Y	0	0	0
INST	Y	0	0	0
SRP	Y	0	0	0
BROWNFIELDS	Y	0	0	0
BROWN MBRGP	Y	0	0	0
Tribal				
INDIAN LUST	Y	0	0	0
INDIAN UST	Y	0	0	0
DELISTED ILST	Y	0	0	0
DELISTED IUST	Y	0	0	0
County				
TANKS CHICAGO	Y	0	0	0
PERMITS CHICAGO	Y	0	0	0
Additional Environmental Records				
Federal				
FINDS/FRS	Y	0	1	1
TRIS	Y	0	0	0
HMIRS	Y	0	0	0
NCDL	Y	0	0	0
TSCA	Y	0	0	0
HIST TSCA	Y	0	0	0
FTTS ADMIN	Y	0	0	0
FTTS INSP	Y	0	0	0
PRP	Y	0	0	0
SCRD DRYCLEANER	Y	0	0	0
ICIS	Y	0	0	0

Database	Searched	Project Property	Within 0.250mi	Total
FED DRYCLEANERS	Y	0	0	0
DELISTED FED DRY	Y	0	0	0
FUDS	Y	0	0	0
MLTS	Y	0	0	0
HIST MLTS	Y	0	0	0
MINES	Y	0	0	0
ALT FUELS	Y	0	0	0
SSTS	Y	0	0	0
PCB	Y	0	0	0
State				
SPILLS	Y	0	0	0
SPILLS2	Y	0	0	0
DRYCLEANERS	Y	0	0	0
TIER 2	Y	0	0	0
DELISTED DRYCLEANERS	Y	0	0	0
CDL	Y	0	0	0
Tribal	***No Tribal additional environmental record sources available for this State.***			
County	***No County additional environmental record sources available for this State.***			
Total:		0	1	1

Executive Summary: Site Report Summary - Project Property

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number

No records found in the selected databases for the project property.

Executive Summary: Site Report Summary - Surrounding Properties

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
1	FINDS/FRS	SANTRONICS LABORATORIES INC	223 PALMGRON CT BUFFALO GROVE IL 60089-4328	NE	0.08 / 431.14	-2	13

Executive Summary: Summary by Data Source

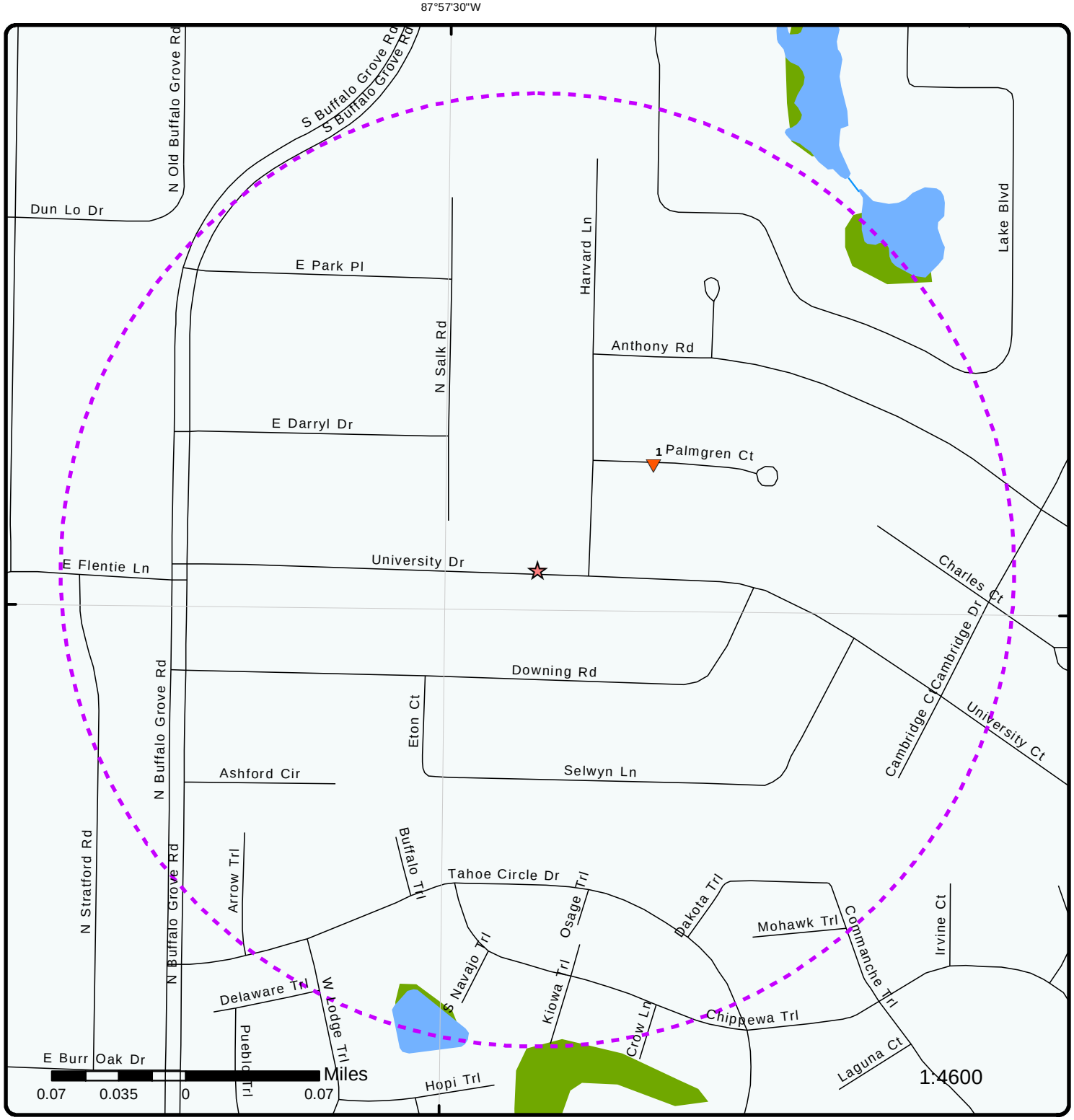
Non Standard

Federal

FINDS/FRS - Facility Registry Service/Facility Index

A search of the FINDS/FRS database, dated Jan 30, 2019 has found that there are 1 FINDS/FRS site(s) within approximately 0.02 miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
SANTRONICS LABORATORIES INC	223 PALMGRON CT BUFFALO GROVE IL 60089-4328	NE	0.08 / 431.14	1



Map : 0.25 Mile Radius

Order No: 20190510170

Address: University Dr

ERIS ENVIRONMENTAL RISK INFORMATION SERVICES

Project Property	Rails	State Boundary	FWS Special Designation Areas
Buffer Outline	Major Highways	National Priority List Sites	State Brownfield Sites
Eris Sites with Higher Elevation	Major Highways Ramps	National Wetland	State Brownfield Areas
Eris Sites with Same Elevation	Major Roads	Indian Reserve Land	State Superfund Areas:Dept. of Defense
Eris Sites with Lower Elevation	Major Roads Ramps	Historic Fill	State Superfund Areas:NPL
Eris Sites with Unknown Elevation	Secondary Roads	100 Year Flood Zone	WQARF Areas
County Boundary	Secondary Roads Ramps	500 Year Flood Zone	Federal Lands: Dept. of Defense (owned/administered areas)
	Local Roads and Ramps		

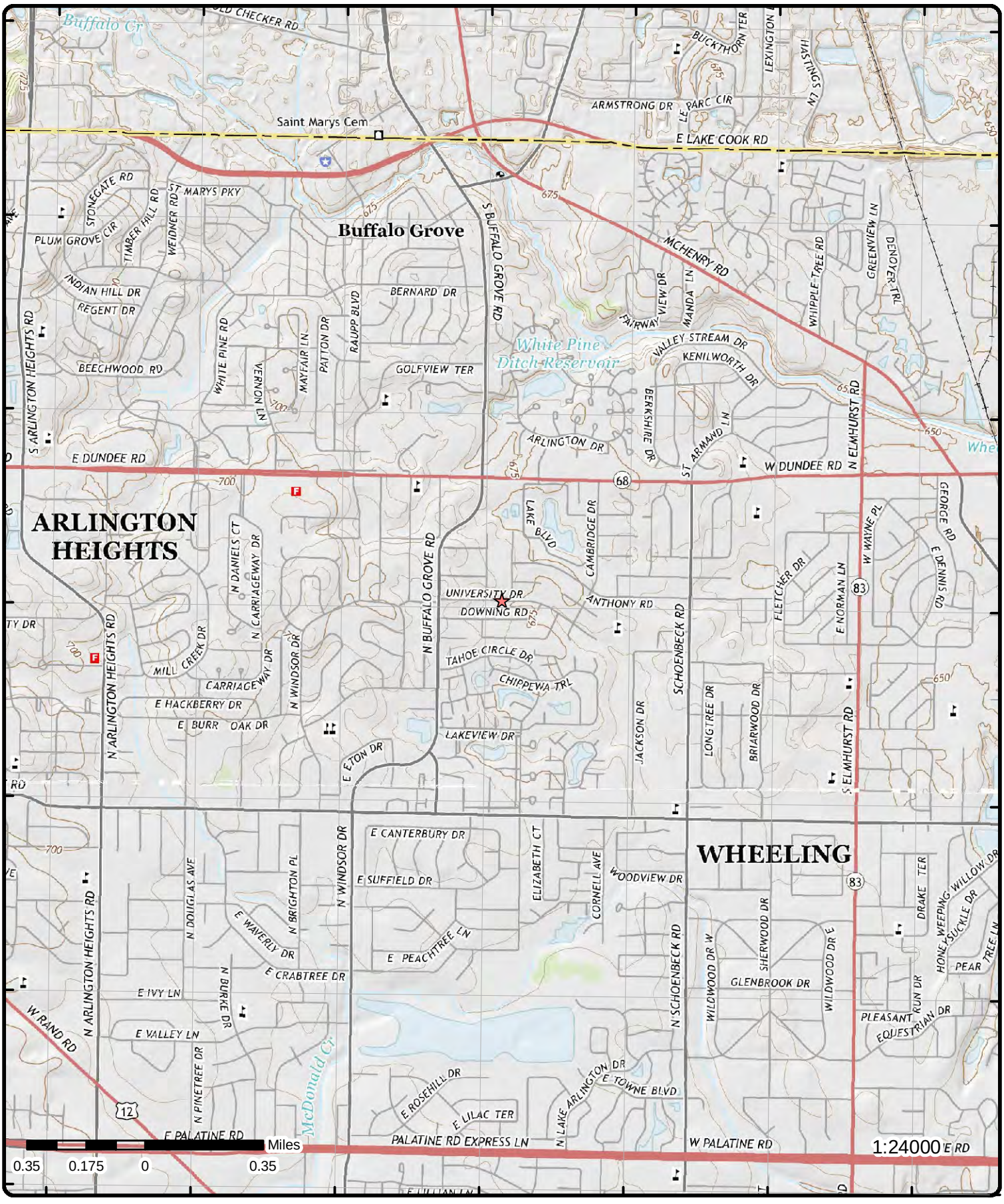
Aerial (2017)

Address: University Dr

Source: ESRI World Imagery

Order No: 20190510170

ERIS ENVIRONMENTAL RISK INFORMATION SERVICES



Topographic Map (2015)

Order No: 20190510170

Address: University Dr

Quadrangle(s): Wheeling,IL; Arlington Heights,IL;

Source: USGS Topographic Map

ENVIRONMENTAL RISK INFORMATION SERVICES

Detail Report

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
1	1 of 1	NE	0.08 / 431.14	678.05 / -2	SANTRONICS LABORATORIES INC 223 PALMGRON CT BUFFALO GROVE IL 60089-4328	FINDS/FRS

Registry ID:	110013760377
FIPS Code:	17097
HUC Code:	07120004
Site Type Name:	STATIONARY
Location Description:	
Supplemental Location:	
Create Date:	07-MAR-2003 17:19:30
Update Date:	25-MAR-2003 10:07:44
Interest Types:	COMPLIANCE ACTIVITY
SIC Codes:	
SIC Code Descriptions:	
NAICS Codes:	
NAICS Code Descriptions:	
Conveyor:	FRS-GEOCODE
Federal Facility Code:	
Federal Agency Name:	
Tribal Land Code:	
Tribal Land Name:	
Congressional Dist No.:	10
Census Block Code:	170318025032016
EPA Region Code:	05
County Name:	LAKE
US/Mexico Border Ind:	
Latitude:	42.13446
Longitude:	-87.95608
Reference Point:	CENTER OF A FACILITY OR STATION
Coord Collection Method:	ADDRESS MATCHING-HOUSE NUMBER
Accuracy Value:	30
Datum:	NAD83
Source:	
Facility Detail Rprt URL:	http://ofmpub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110013760377
Program Acronyms:	

NCDB:C05#GM01FI416

Unplottable Summary

Total: 49 Unplottable sites

DB	Company Name/Site Name	Address	City	Zip	ERIS ID
AST	INTERSECTIONS INSURNCE	315 UNIVERSITY Drive	ARLINGTON HEIGHTS IL	60004	827268469
ERNS		BEDFORD PARK	IL		819884954
ERNS		BEDFORD PARK	IL		819881411
ERNS		1573/1575 TAHOE CIRCLE	WHEELING IL		806699936
ERNS		MP: 23.08 SD: HARVARD	ARLINGTON HEIGHTS IL		858630727
ERNS		BUSCH PARKWAY AND CORPRATE GROVE DRIVE,INTERSECTION	BUFFALO GROVE IL		807155157
ERNS		MILWAUKEE AVE NORTH OF LAKE COOK RD	BUFFALO GROVE IL		806764021
ERNS		LAKE MICHAGAN	IL		806555904
ERNS		LAKE COOK RD NEAR MILWAUKEE AVE	BUFFALO GROVE IL		807176120
ERNS		645 WEST UNIVERSITY DRIVE	ARLINGTON HEIGHTS IL		807061426
ERNS		OFF OF LAKE STREET	IL		807096877
ERNS		LAKE-COOK ROAD BETWEEN MILWAUKEE AVE & NORTH GATE	WHEELING IL		806542632

		ROAD			
ERNS		ARLINGTON PARK METROLINK COMMUTER,STATION	ARLINGTON HEIGHTS IL		807059909
ERNS 1987 TO 1989		IN RECREATION PARK, NEXT TO DEALERSHIP 500 E. MINER	ARLINGTON HEIGHTS IL		805592568
FINDS/FRS	DELTA SONIC TINLEY PARK	159TH ST AND OAK PARK DR	BUFFALO GROVE IL	60089	817473203
FINDS/FRS	COOK COUNTY BRIDGE	LAKE COOK RD	WHEELING IL	60090	817560271
FINDS/FRS	OWEN WAGNER	855 UNIVERSITY AVE	ARLINGTON HEIGHTS IL	60004	817471847
FINDS/FRS	OUR LADY OF THE WAYSIDE	425 S PARK	ARLINGTON HEIGHTS IL	60005	817468946
FINDS/FRS	GROVE MEMORIAL CHAPEL	195 BUFFALO GROVE RD	BUFFALO GROVE IL	60089	825510673
FINDS/FRS	ROSEGLEN SUBDIVISION	BUFFALO GROVE RD	BUFFALO GROVE IL	60089	825510240
FINDS/FRS	PLOTE INC.	LAKE-COOK RD. W. OF PORTWINE	WHEELING IL	60090	817561712
FINDS/FRS	FEDERAL EXPRESS	1100 LAKE COOK RD	BUFFALO GROVE IL	60089	817458155
FINDS/FRS	CHEVY CHASE SEWER & WATER CO	RTE 21, .5 M N OF LAKE-COOK RD	WHEELING IL	60090	817565205
FINDS/FRS	E & J PRECISION MACHINING INC	905 UNIVERSITY DR	ARLINGTON HEIGHTS IL	60004-1823	817479036
FINDS/FRS	NORTH SHORE GAS CO	15500 LAKE-COOK ROAD	BUFFALO GROVE IL	60089	817462580

FINDS/FRS	COOK COUNTY HWY DEPT	LAKE COOK RD & WI CENTRAL RR	WHEELING IL	60090	817560967
FINDS/FRS	GLORIA JEANS COFFEE BEAN CORP.	845 UNIVERSITY DR.	ARLINGTON HEIGHTS IL	60004-1821	817469735
FINDS/FRS	BRIDGE	W JEFFERY OVER BUFFALO CREEK	WHEELING IL	60090	825814971
FINDS/FRS	SEXTON COMPANIES	PARKVIEW/GOLFVIEW TERRACE	BUFFALO GROVE IL	60089	817466847
FINDS/FRS	FREUND INTERNATIONAL	BUFFALO GROVE RD	BUFFALO GROVE IL	60089	817477513
HMIRS		EAST LAKE/COOK RD	BUFFALO GROVE IL		818292439
ICIS	NORTH SHORE GAS CO	1350 LAKE-COOK RD	BUFFALO GROVE IL	60089	828153410
PRP	PROFILE PRODUCTS LLC	750 LAKE COOK ROAD	BUFFALO GROVE IL	60089	860591156
RCRA CESQG	DELTA SONIC TINLEY PARK	159TH ST AND OAK PARK DR	BUFFALO GROVE IL	60089	810686146
RCRA NON GEN	COOK COUNTY BRIDGE	LAKE COOK RD OVR WI CENTRAL RR	WHEELING IL	60090	810113792
RCRA NON GEN	MOTOROLA INC	852 TO 890 HASTINGS LAKE	BUFFALO GROVE IL	60089	810107211
RCRA SQG	E AND J PRECISION MACHINING INC	905 UNIVERSITY DR	ARLINGTON HEIGHTS IL	60004	810676873
RCRA SQG	COLORFAST	845 UNIVERSITY DR	ARLINGTON HEIGHTS IL	60004	810681272
SPILLS	KANEY TRANSPORTATION INC.	MCHENRY RD. & LAKE COOK R	BUFFALO GROVE IL		822022711

SPILLS	R.A. Peterson	750 Lake Cook Rd	Buffalo Grove IL		821996659
SPILLS	#1	1520 ST. CHARLES	BELLWOOD 60104 IL		813013684
SPILLS2	MOBILE OIL	NEAR BUFFALO GROVE	BUFFALO GROVE IL		822438504
SPILLS2	RAIN-RD CONSTRUCTION	LAKE SIDE CIRCLE TOWN HOUSE COMPLEX	WHEELING IL		822437988
SPILLS2	RAIN-RD CONSTRUCTION	LAKE SIDE CIRCLE TOWN HOUSE COMPLEX	WHEELING IL		825139302
SPILLS2	VILLAGE OF ARLINGTON HEIGHTS	LAKE COOK ROAD [CREEK ON N. END NEAR TERRAMERE SUBDIVISION]	ARLINGTON HEIGHTS IL		822437756
SPILLS2	MOBILE OIL	NEAR BUFFALO GROVE	BUFFALO GROVE IL		825138687
SPILLS2	TEMPO 2 CO.	DEER VALLEY RD 1 MI N OF LAKE-COOK RD	WHEELING IL		813051456
TIER 2	North Shore Gas - Lake Cook Road Station	1350 Lake Cook Road	Buffalo Grove IL	60089	867502223
UST	Arboretum Golf Club	401 Half Day RoadBuffalo Grove, IL 60089	IL		813446611

Unplottable Report

Site: ***INTERSECTIONS INSURNCE***
315 UNIVERSITY Drive ARLINGTON HEIGHTS IL 60004 AST

Tank:		***Occupant:***	INTERSECTIONS INSURNCE
Tank 2:		***Occupant 2:***	
Occupancy No:	001-CN-059	***Section :***	CN
Type:	Tank - Above Ground Bulk	***Row:***	
NOVs:	1 NOVs	***Inspector:***	
Occupant Type:	059 - ABOVE GROUND BULK STORAGE	***Date:***	
Location Comment:			

Site:
BEDFORD PARK IL ERNS

NRC Report No:	1039525	***Latitude Degrees:***	
Type of Incident:	MOBILE	***Latitude Minutes:***	
Incident Cause:	EQUIPMENT FAILURE	***Latitude Seconds:***	
Incident Date:	2/27/2013 5:45:00 AM	***Longitude Degrees:***	
Incident Location:	BEDFORD PARK	***Longitude Minutes:***	
Incident Dtg:	OCCURRED	***Longitude Seconds:***	
Distance from City:		***Lat Quad:***	
Distance Units:		***Long Quad:***	
Potential Flag:	No	***Location Section:***	
Year:	Year 2013 Reports	***Location Township:***	
Direction from City:		***Location Range:***	
Location County:	COOK		

Description of Incident: *****WEB REPORT**** ON 02/27/2013 AT 0805 HOURS, CENTRAL LIFT MAINTENANCE REPORTED APPROXIMATELY 15+ GALLONS OF HYDRAULIC OIL SPILLED FROM LIFT EQUIPMENT ONTO THE GROUND (ASPHALT OR CONCRETE) AT MP DC 23.0 ON THE BLUE ISLAND SUBDIVISION. THIS IS LOCATED AT THE BEDFORD PARK TOFC RAMP IN BEDFORD PARK IL. CONTACTED CSX CRISIS COMMUNICATIONS MANAGER WHO IS ARRANGING FOR AN ENVIRONMENTAL CONTRACTOR TO RESPOND FOR CLEAN-UP OF THE AREA. CONTACTED BEDFORD PARK 911 AND RELAYED INFORMATION.

Material Spill Information

Chris Code:	OHY	***Unit of Measure:***	GALLON(S)
CAS No:	000000-00-0	***If Reached Water:***	NO
UN No:		***Amount in Water:***	
Name of Material:	HYDRAULIC OIL	***Unit Reach Water:***	
Amount of Material:	15		

Calls Information

Date Time Received:	2/27/2013 8:40:13 AM	***Responsible City:***	JACKSONVILLE
Date Time Complete:	2/27/2013 9:05:46 AM	***Responsible State:***	FL
Call Type:	INC	***Responsible Zip:***	32202
Resp Company:	CSX TRANSPORTATION	***Source:***	WEB REPORT
Resp Org Type:	PRIVATE ENTERPRISE		

Incident Information

Tank ID:		***Building ID:***	
Tank Regulated:	U	***Location Area ID:***	
Tank Regulated By:		***Location Block ID:***	
Capacity of Tank:		***OCSG No:***	

Capacity Tank Units:		***OCSP No:***	
Description of Tank:		***State Lease No:***	
Actual Amount:		***Pier Dock No:***	
Actual Amount Units:		***Berth Slip No:***	
Tank Above Ground:		***Brake Failure:***	U
NPDES:		***Airbag Deployed:***	
NPDES Compliance:	U	***Transport Contain:***	U
Init Contin Rel No:		***Location Subdiv:***	
Contin Rel Permit:		***Platform Rig Name:***	
Contin Release Type:		***Platform Letter:***	
Aircraft ID:		***Allision:***	U
Aircraft Runway No:		***Type of Structure:***	
Aircraft Spot No:		***Structure Name:***	
Aircraft Type:		***Structure Oper:***	U
Aircraft Model:		***Transit Bus Flag:***	
Aircraft Fuel Cap:		***Date Time Norm Serv:***	
Aircraft Fuel Cap U:		***Serv Disrupt Time:***	
Aircraft Fuel on Brd:		***Serv Disrupt Units:***	
Aircraft Fuel OB U:		***CR Begin Date:***	
Aircraft Hanger:		***CR End Date:***	
Road Mile Marker:		***CR Change Date:***	
Power Gen Facility:	U	***FBI Contact:***	
Generating Capacity:		***FBI Contact Dt Tm:***	
Type of Fixed Obj:		***Passenger Handling:***	
Type of Fuel:		***Passenger Route:***	XXX
DOT Crossing No:		***Passenger Delay:***	XXX
DOT Regulated:	U	***Sub Part C Test Req:***	XXX
Pipeline Type:		***Conductor Test:***	
Pipeline Abv Ground:	ABOVE	***Engineer Test:***	
Pipeline Covered:	N	***Trainman Test:***	
Exposed Underwater:	U	***Yard Foreman Test:***	
Railroad Hotline:		***RCL Operator Test:***	
Railroad Milepost:		***Brakeman Test:***	
Grade Crossing:	U	***Train Dispat Test:***	
Crossing Device Ty:		***Signalman Test:***	
Ty Vehicle Involved:		***Oth Employee Test:***	
Device Operational:	U	***Unknown Test:***	

Incident Details Information

Release Secured:	U	***State Agen Report No:***	
Release Rate:		***State Agen on Scene:***	
Release Rate Unit:		***State Agen Notified:***	
Release Rate Rate:		***Fed Agency Notified:***	
Est Duration of Rel:		***Oth Agency Notified:***	
Desc Remedial Act:		***Body of Water:***	
Fire Involved:	N	***Tributary of:***	
Fire Extinguished:	U	***Near River Mile Make:***	
Any Evacuations:	N	***Near River Mile Mark:***	
Number Evacuated:		***Offshore:***	N
Who Evacuated:		***Weather Conditions:***	
Radius of Evacu:		***Air Temperature:***	
Any Injuries:	N	***Wind Direction:***	
No. Injured:		***Wind Speed:***	
No. Hospitalized:		***Wind Speed Unit:***	
No. Fatalities:		***Water Supp Contam:***	U
Any Fatalities:	N	***Water Temperature:***	
Any Damages:	N	***Wave Condition:***	
Damage Amount:		***Current Speed:***	
Air Corridor Closed:	N	***Current Direction:***	
Air Corridor Desc:		***Current Speed Unit:***	
Air Closure Time:		***EMPL Fatality:***	
Waterway Closed:	N	***Pass Fatality:***	
Waterway Desc:		***Community Impact:***	
Waterway Close Time:		***Passengers Transfer:***	NO
Road Closed:	N	***Passenger Injuries:***	
Road Desc:		***Employee Injuries:***	
Road Closure Time:		***Occupant Fatality:***	
Road Closure Units:		***Sheen Size:***	

Closure Direction:		***Sheen Size Units:***	
Major Artery:	No	***Sheen Size Length:***	
Track Closed:	N	***Sheen Size Length U:***	
Track Desc:		***Sheen Size Width:***	
Track Closure Time:		***Sheen Size Width U:***	
Track Closure Units:		***Sheen Color:***	
Track Close Dir:		***Dir of Sheen Travel:***	
Media Interest:	NONE	***Sheen Odor Desc:***	
Medium Desc:		***Duration Unit:***	
Addl Medium Info:		***Additional Info:***	****WEB REPORT****

Site:

BEDFORD PARK IL

ERNS

NRC Report No:	1041034	***Latitude Degrees:***	
Type of Incident:	RAILROAD	***Latitude Minutes:***	
Incident Cause:	UNKNOWN	***Latitude Seconds:***	
Incident Date:	3/14/2013 12:04:00 PM	***Longitude Degrees:***	
Incident Location:	BEDFORD PARK	***Longitude Minutes:***	
Incident Dtg:	OCCURRED	***Longitude Seconds:***	
Distance from City:		***Lat Quad:***	
Distance Units:		***Long Quad:***	
Potential Flag:	No	***Location Section:***	
Year:	Year 2013 Reports	***Location Township:***	
Direction from City:		***Location Range:***	
Location County:	COOK		

Description of Incident: ***WEB REPORT*** ON 3/14/13 AT 1204 HOURS, OPERATIONS SUPERVISOR, REPORTED A FUEL SPILL FROM LOCOMOTIVE CSXT 3028 AT MP DIH 26 ON THE FRANKLIN PARK SUBDIVISION. THIS WAS LOCATED AT 7000 W 71ST ST - BEDFORD PARK INTERMODAL TERMINAL IN CHICAGO, IL. THERE WAS POSSIBLE GREATER THAN A GALLON OF FUEL RELEASED ONTO THE CATWALK AND THE BALLAST UNDER THE RAMP. LOCOMOTIVE HAS BEEN SHUT DOWN AND HAS A SLOW DRIP.

Material Spill Information

Chris Code:	ODS	***Unit of Measure:***	UNKNOWN AMOUNT
CAS No:	000000-00-0	***If Reached Water:***	NO
UN No:		***Amount in Water:***	
Name of Material:	OIL: DIESEL	***Unit Reach Water:***	
Amount of Material:	0		

Calls Information

Date Time Received:	3/14/2013 12:41:56 PM	***Responsible City:***	JACKSONVILLE
Date Time Complete:	3/14/2013 1:03:15 PM	***Responsible State:***	FL
Call Type:	INC	***Responsible Zip:***	32202
Resp Company:	CSX TRANSPORTATION	***Source:***	WEB REPORT
Resp Org Type:	PRIVATE ENTERPRISE		

Incident Information

Tank ID:		***Building ID:***	
Tank Regulated:	U	***Location Area ID:***	
Tank Regulated By:		***Location Block ID:***	
Capacity of Tank:		***OCSG No:***	
Capacity Tank Units:		***OCSP No:***	
Description of Tank:		***State Lease No:***	
Actual Amount:		***Pier Dock No:***	
Actual Amount Units:		***Berth Slip No:***	
Tank Above Ground:		***Brake Failure:***	U
NPDES:		***Airbag Deployed:***	
NPDES Compliance:	U	***Transport Contain:***	U
Init Contin Rel No:		***Location Subdiv:***	FRANKLIN PARK
Contin Rel Permit:		***Platform Rig Name:***	
Contin Release Type:		***Platform Letter:***	
Aircraft ID:		***Allision:***	U
Aircraft Runway No:		***Type of Structure:***	
Aircraft Spot No:		***Structure Name:***	

Aircraft Type:		***Structure Oper:***	U
Aircraft Model:		***Transit Bus Flag:***	
Aircraft Fuel Cap:		***Date Time Norm Serv:***	
Aircraft Fuel Cap U:		***Serv Disrupt Time:***	
Aircraft Fuel on Brd:		***Serv Disrupt Units:***	
Aircraft Fuel OB U:		***CR Begin Date:***	
Aircraft Hanger:		***CR End Date:***	
Road Mile Marker:		***CR Change Date:***	
Power Gen Facility:	U	***FBI Contact:***	
Generating Capacity:		***FBI Contact Dt Tm:***	
Type of Fixed Obj:		***Passenger Handling:***	
Type of Fuel:		***Passenger Route:***	NO
DOT Crossing No:		***Passenger Delay:***	NO
DOT Regulated:	U	***Sub Part C Test Req:***	NO
Pipeline Type:		***Conductor Test:***	
Pipeline Abv Ground:	ABOVE	***Engineer Test:***	
Pipeline Covered:	N	***Trainman Test:***	
Exposed Underwater:	U	***Yard Foreman Test:***	
Railroad Hotline:		***RCL Operator Test:***	
Railroad Milepost:	DIH 26	***Brakeman Test:***	
Grade Crossing:	U	***Train Dispat Test:***	
Crossing Device Ty:		***Signalman Test:***	
Ty Vehicle Involved:		***Oth Employee Test:***	
Device Operational:	U	***Unknown Test:***	

Incident Details Information

Release Secured:	U	***State Agen Report No:***	
Release Rate:		***State Agen on Scene:***	
Release Rate Unit:		***State Agen Notified:***	
Release Rate Rate:		***Fed Agency Notified:***	
Est Duration of Rel:		***Oth Agency Notified:***	
Desc Remedial Act:	SUNPRO, ENVIRONMENTAL SERVICES RESPONDING FOR CLEAN UP	***Body of Water:***	
Fire Involved:	N	***Tributary of:***	
Fire Extinguished:	U	***Near River Mile Make:***	
Any Evacuations:	N	***Near River Mile Mark:***	
Number Evacuated:		***Offshore:***	N
Who Evacuated:		***Weather Conditions:***	
Radius of Evacu:		***Air Temperature:***	
Any Injuries:	N	***Wind Direction:***	
No. Injured:		***Wind Speed:***	
No. Hospitalized:		***Wind Speed Unit:***	
No. Fatalities:		***Water Supp Contam:***	U
Any Fatalities:	N	***Water Temperature:***	
Any Damages:	N	***Wave Condition:***	
Damage Amount:		***Current Speed:***	
Air Corridor Closed:	N	***Current Direction:***	
Air Corridor Desc:		***Current Speed Unit:***	
Air Closure Time:		***EMPL Fatality:***	
Waterway Closed:	N	***Pass Fatality:***	
Waterway Desc:		***Community Impact:***	
Waterway Close Time:		***Passengers Transfer:***	NO
Road Closed:	N	***Passenger Injuries:***	
Road Desc:		***Employee Injuries:***	
Road Closure Time:		***Occupant Fatality:***	
Road Closure Units:		***Sheen Size:***	
Closure Direction:		***Sheen Size Units:***	
Major Artery:	No	***Sheen Size Length:***	
Track Closed:	N	***Sheen Size Length U:***	
Track Desc:		***Sheen Size Width:***	
Track Closure Time:		***Sheen Size Width U:***	
Track Closure Units:		***Sheen Color:***	
Track Close Dir:		***Dir of Sheen Travel:***	
Media Interest:	NONE	***Sheen Odor Desc:***	
Medium Desc:		***Duration Unit:***	
Addl Medium Info:		***Additional Info:***	***WEB REPORT*** GALO, OAK LAWN CENTRAL DISPATCH, WAS NOTIFIED. IT IS NOT KNOWN THE AMOUNT OF RELEASE, ON SCENE PERSONNEL COULD ONLY

Site:

1573/1575 TAHOE CIRCLE WHEELING IL

ERNS

NRC Report No:	700664	***Latitude Degrees:***	
Type of Incident:	PIPELINE	***Latitude Minutes:***	
Incident Cause:	UNKNOWN	***Latitude Seconds:***	
Incident Date:	9/24/2003 6:10:00 AM	***Longitude Degrees:***	
Incident Location:		***Longitude Minutes:***	
Incident Dtg:	OCCURRED	***Longitude Seconds:***	
Distance from City:		***Lat Quad:***	
Distance Units:		***Long Quad:***	
Potential Flag:		***Location Section:***	
Year:	Year 2003 Reports	***Location Township:***	
Direction from City:		***Location Range:***	
Location County:	COOK		

Description of Incident: A HOUSE FIRE STARTED DUE TO UNKNOWN CAUSES. THE NATURAL GAS SERVICE LINE TO THE HOUSE CONTRIBUTED TO THE FIRE.

Material Spill Information

Chris Code:	ONG	***Unit of Measure:***	UNKNOWN AMOUNT
CAS No:	000000-00-0	***If Reached Water:***	NO
UN No:		***Amount in Water:***	
Name of Material:	NATURAL GAS	***Unit Reach Water:***	
Amount of Material:	0		

Calls Information

Date Time Received:	9/24/2003 5:27:50 PM	***Responsible City:***	NAPERVILLE
Date Time Complete:	9/24/2003 5:33:08 PM	***Responsible State:***	IL
Call Type:	INC	***Responsible Zip:***	60507
Resp Company:	NICOR GAS	***Source:***	TELEPHONE
Resp Org Type:	PUBLIC UTILITY		

Incident Information

Tank ID:		***Building ID:***	
Tank Regulated:	U	***Location Area ID:***	
Tank Regulated By:		***Location Block ID:***	
Capacity of Tank:		***OCSG No:***	
Capacity Tank Units:		***OCSP No:***	
Description of Tank:		***State Lease No:***	
Actual Amount:		***Pier Dock No:***	
Actual Amount Units:		***Berth Slip No:***	
Tank Above Ground:	ABOVE	***Brake Failure:***	N
NPDES:		***Airbag Deployed:***	
NPDES Compliance:	U	***Transport Contain:***	U
Init Contin Rel No:		***Location Subdiv:***	
Contin Rel Permit:		***Platform Rig Name:***	
Contin Release Type:		***Platform Letter:***	
Aircraft ID:		***Allision:***	N
Aircraft Runway No:		***Type of Structure:***	
Aircraft Spot No:		***Structure Name:***	
Aircraft Type:		***Structure Oper:***	U
Aircraft Model:		***Transit Bus Flag:***	
Aircraft Fuel Cap:		***Date Time Norm Serv:***	
Aircraft Fuel Cap U:		***Serv Disrupt Time:***	
Aircraft Fuel on Brd:		***Serv Disrupt Units:***	
Aircraft Fuel OB U:		***CR Begin Date:***	
Aircraft Hanger:		***CR End Date:***	
Road Mile Marker:		***CR Change Date:***	
Power Gen Facility:	U	***FBI Contact:***	
Generating Capacity:		***FBI Contact Dt Tm:***	
Type of Fixed Obj:		***Passenger Handling:***	
Type of Fuel:		***Passenger Route:***	XXX

DOT Crossing No:		***Passenger Delay:***	XXX
DOT Regulated:	U	***Sub Part C Test Req:***	XXX
Pipeline Type:	SERVICE	***Conductor Test:***	
Pipeline Abv Ground:	BELOW	***Engineer Test:***	
Pipeline Covered:	U	***Trainman Test:***	
Exposed Underwater:	N	***Yard Foreman Test:***	
Railroad Hotline:		***RCL Operator Test:***	
Railroad Milepost:		***Brakeman Test:***	
Grade Crossing:	N	***Train Dispat Test:***	
Crossing Device Ty:		***Signalman Test:***	
Ty Vehicle Involved:		***Oth Employee Test:***	
Device Operational:	Y	***Unknown Test:***	

Incident Details Information

Release Secured:	Y	***State Agen Report No:***	NO REPORT #
Release Rate:		***State Agen on Scene:***	
Release Rate Unit:		***State Agen Notified:***	IL. COMMERCE COMMISION
Release Rate Rate:		***Fed Agency Notified:***	
Est Duration of Rel:		***Oth Agency Notified:***	
Desc Remedial Act:	THE SERVICE LINE WAS DISCONNECTED.	***Body of Water:***	
Fire Involved:	Y	***Tributary of:***	
Fire Extinguished:	Y	***Near River Mile Make:***	
Any Evacuations:	Y	***Near River Mile Mark:***	
Number Evacuated:	1	***Offshore:***	N
Who Evacuated:	PRIVATE CITIZENS	***Weather Conditions:***	UNKNOWN
Radius of Evacu:		***Air Temperature:***	
Any Injuries:	N	***Wind Direction:***	
No. Injured:		***Wind Speed:***	
No. Hospitalized:		***Wind Speed Unit:***	
No. Fatalities:		***Water Supp Contam:***	U
Any Fatalities:	N	***Water Temperature:***	
Any Damages:	N	***Wave Condition:***	
Damage Amount:		***Current Speed:***	
Air Corridor Closed:	N	***Current Direction:***	
Air Corridor Desc:		***Current Speed Unit:***	
Air Closure Time:		***EMPL Fatality:***	
Waterway Closed:	N	***Pass Fatality:***	
Waterway Desc:		***Community Impact:***	N
Waterway Close Time:		***Passengers Transfer:***	UNK
Road Closed:	N	***Passenger Injuries:***	
Road Desc:		***Employee Injuries:***	
Road Closure Time:		***Occupant Fatality:***	
Road Closure Units:		***Sheen Size:***	
Closure Direction:		***Sheen Size Units:***	
Major Artery:	No	***Sheen Size Length:***	
Track Closed:	N	***Sheen Size Length U:***	
Track Desc:		***Sheen Size Width:***	
Track Closure Time:		***Sheen Size Width U:***	
Track Closure Units:		***Sheen Color:***	
Track Close Dir:		***Dir of Sheen Travel:***	
Media Interest:	NONE	***Sheen Odor Desc:***	
Medium Desc:	AIR	***Duration Unit:***	
Addl Medium Info:	ATMOSPHERE	***Additional Info:***	CALLER HAD NO ADDITIONAL INFORMATION.

Site:

MP: 23.08 SD: HARVARD ARLINGTON HEIGHTS IL

ERNS

NRC Report No:	1138640	***Latitude Degrees:***	
Type of Incident:	RAILROAD NON-RELEASE	***Latitude Minutes:***	
Incident Cause:	OTHER	***Latitude Seconds:***	
Incident Date:	1/21/2016 2:33:00 PM	***Longitude Degrees:***	
Incident Location:	PASSENGER ROUTE	***Longitude Minutes:***	
Incident Dtg:	DISCOVERED	***Longitude Seconds:***	
Distance from City:		***Lat Quad:***	
Distance Units:		***Long Quad:***	
Potential Flag:	No	***Location Section:***	
Year:	Year 2016 Reports	***Location Township:***	

Direction from City: ***Location Range:***
Location County: COOK
Description of Incident: THE CALLER IS REPORTING A COMMUTER TRAIN VERSUS PASSENGER VEHICLE (UNKNOWN TYPE) AT A GRADE CROSSING. THE CALLER STATED THAT THERE IS ONE REPORTED FATALITY TO THE OCCUPANT OF THE VEHICLE. CALLER STATED THAT CONFIRMATION OF THE FATALITY WAS AT 444 CDT/1644 LOCAL TIME.

Calls Information

Date Time Received: 1/21/2016 5:53:29 PM
Date Time Complete: 1/21/2016 6:00:16 PM
Call Type: INC
Resp Company:
Resp Org Type: UNKNOWN
Responsible City:
Responsible State: XX
Responsible Zip:
Source: TELEPHONE

Incident Information

Tank ID:
Tank Regulated: U
Tank Regulated By:
Capacity of Tank:
Capacity Tank Units:
Description of Tank:
Actual Amount:
Actual Amount Units:
Tank Above Ground: ABOVE
NPDES:
NPDES Compliance: U
Init Contin Rel No:
Contin Rel Permit:
Contin Release Type:
Aircraft ID:
Aircraft Runway No:
Aircraft Spot No:
Aircraft Type:
Aircraft Model:
Aircraft Fuel Cap:
Aircraft Fuel Cap U:
Aircraft Fuel on Brd:
Aircraft Fuel OB U:
Aircraft Hanger:
Road Mile Marker:
Power Gen Facility: U
Generating Capacity:
Type of Fixed Obj:
Type of Fuel:
DOT Crossing No: 176927M
DOT Regulated: U
Pipeline Type:
Pipeline Abv Ground: ABOVE
Pipeline Covered: U
Exposed Underwater: N
Railroad Hotline:
Railroad Milepost: 23.08
Grade Crossing: Y
Crossing Device Ty: GATES
Ty Vehicle Involved: UNKNOWN
Device Operational: Y
Building ID:
Location Area ID:
Location Block ID:
OCSG No:
OCSP No:
State Lease No:
Pier Dock No:
Berth Slip No:
Brake Failure: U
Airbag Deployed: U
Transport Contain: U
Location Subdiv: HARVARD
Platform Rig Name:
Platform Letter:
Allision: N
Type of Structure:
Structure Name:
Structure Oper: U
Transit Bus Flag:
Date Time Norm Serv:
Serv Disrupt Time:
Serv Disrupt Units:
CR Begin Date:
CR End Date:
CR Change Date:
FBI Contact:
FBI Contact Dt Tm:
Passenger Handling: CALLER STATED IT IS UNKNOWN HOW THE PASSENGERS WILL BE HANDLED.
Passenger Route: YES
Passenger Delay: YES
Sub Part C Test Req: UNK
Conductor Test:
Engineer Test:
Trainman Test:
Yard Foreman Test:
RCL Operator Test:
Brakeman Test:
Train Dispat Test:
Signalman Test:
Oth Employee Test:
Unknown Test:

Incident Details Information

Release Secured: U
Release Rate:
Release Rate Unit:
Release Rate Rate:
Est Duration of Rel:
Desc Remedial Act: INVESTIGATION UNDERWAY.
State Agen Report No: RC20160010
State Agen on Scene: LOCAL RESPONDERS
State Agen Notified: OEM
Fed Agency Notified:
Oth Agency Notified:
Body of Water:

Fire Involved:	N	***Tributary of:***	
Fire Extinguished:	U	***Near River Mile Make:***	
Any Evacuations:	N	***Near River Mile Mark:***	
Number Evacuated:		***Offshore:***	N
Who Evacuated:		***Weather Conditions:***	UNKNOWN
Radius of Evacu:		***Air Temperature:***	
Any Injuries:	N	***Wind Direction:***	
No. Injured:		***Wind Speed:***	
No. Hospitalized:		***Wind Speed Unit:***	
No. Fatalities:	1	***Water Supp Contam:***	U
Any Fatalities:	Y	***Water Temperature:***	
Any Damages:	N	***Wave Condition:***	
Damage Amount:		***Current Speed:***	
Air Corridor Closed:	N	***Current Direction:***	
Air Corridor Desc:		***Current Speed Unit:***	
Air Closure Time:		***EMPL Fatality:***	
Waterway Closed:	N	***Pass Fatality:***	
Waterway Desc:		***Community Impact:***	
Waterway Close Time:		***Passengers Transfer:***	UNK
Road Closed:	N	***Passenger Injuries:***	
Road Desc:		***Employee Injuries:***	
Road Closure Time:		***Occupant Fatality:***	1
Road Closure Units:		***Sheen Size:***	
Closure Direction:		***Sheen Size Units:***	
Major Artery:	No	***Sheen Size Length:***	
Track Closed:	Y	***Sheen Size Length U:***	
Track Desc:	TRIPLE MAIN	***Sheen Size Width:***	
Track Closure Time:	2.5	***Sheen Size Width U:***	
Track Closure Units:		***Sheen Color:***	
Track Close Dir:	ALL	***Dir of Sheen Travel:***	
Media Interest:	UNKNOWN	***Sheen Odor Desc:***	
Medium Desc:	RAIL REPORT (N/A)	***Duration Unit:***	
Addl Medium Info:	/GRADE CROSSING INCIDENT	***Additional Info:***	

Site:

BUSCH PARKWAY AND CORPRATE GROVE DRIVE,INTERSECTION BUFFALO GROVE IL ERNS

NRC Report No:	397011	***Latitude Degrees:***	
Type of Incident:	MOBILE	***Latitude Minutes:***	
Incident Cause:	TRANSPORT ACCIDENT	***Latitude Seconds:***	
Incident Date:	7/28/1997 5:00:00 AM	***Longitude Degrees:***	
Incident Location:		***Longitude Minutes:***	
Incident Dtg:	OCCURRED	***Longitude Seconds:***	
Distance from City:		***Lat Quad:***	
Distance Units:		***Long Quad:***	
Potential Flag:		***Location Section:***	
Year:	Year 1997 Reports	***Location Township:***	
Direction from City:		***Location Range:***	
Location County:	COOK		

Description of Incident: TRACTOR TRAILER FUEL TANK / SADDLE TANK WAS PUNCTURED BY OBJECT IN ROAD

Material Spill Information

Chris Code:	ODS	***Unit of Measure:***	GALLON(S)
CAS No:		***If Reached Water:***	YES
UN No:		***Amount in Water:***	40
Name of Material:	OIL: DIESEL	***Unit Reach Water:***	GALLON(S)
Amount of Material:	40		

Calls Information

Date Time Received:	7/28/1997 4:41:41 PM	***Responsible City:***	AKRON
Date Time Complete:	7/28/1997 4:56:04 PM	***Responsible State:***	OH
Call Type:	INC	***Responsible Zip:***	443090471
Resp Company:	ROADWAY EXPRESS	***Source:***	UNAVAILABLE
Resp Org Type:	PRIVATE ENTERPRISE		

Incident Information

Tank ID:		***Building ID:***	
Tank Regulated:	U	***Location Area ID:***	
Tank Regulated By:		***Location Block ID:***	
Capacity of Tank:		***OCSG No:***	
Capacity Tank Units:		***OCSP No:***	
Description of Tank:		***State Lease No:***	
Actual Amount:		***Pier Dock No:***	
Actual Amount Units:		***Berth Slip No:***	
Tank Above Ground:	ABOVE	***Brake Failure:***	N
NPDES:		***Airbag Deployed:***	
NPDES Compliance:	U	***Transport Contain:***	U
Init Contin Rel No:		***Location Subdiv:***	
Contin Rel Permit:		***Platform Rig Name:***	
Contin Release Type:		***Platform Letter:***	
Aircraft ID:		***Allision:***	N
Aircraft Runway No:		***Type of Structure:***	
Aircraft Spot No:		***Structure Name:***	
Aircraft Type:	UNKNOWN	***Structure Oper:***	Y
Aircraft Model:		***Transit Bus Flag:***	
Aircraft Fuel Cap:		***Date Time Norm Serv:***	
Aircraft Fuel Cap U:		***Serv Disrupt Time:***	
Aircraft Fuel on Brd:		***Serv Disrupt Units:***	
Aircraft Fuel OB U:		***CR Begin Date:***	
Aircraft Hanger:		***CR End Date:***	
Road Mile Marker:		***CR Change Date:***	
Power Gen Facility:	U	***FBI Contact:***	
Generating Capacity:		***FBI Contact Dt Tm:***	
Type of Fixed Obj:	UNKNOWN	***Passenger Handling:***	
Type of Fuel:		***Passenger Route:***	XXX
DOT Crossing No:		***Passenger Delay:***	XXX
DOT Regulated:	U	***Sub Part C Test Req:***	XXX
Pipeline Type:	UNKNOWN	***Conductor Test:***	
Pipeline Abv Ground:	ABOVE	***Engineer Test:***	
Pipeline Covered:	U	***Trainman Test:***	
Exposed Underwater:	U	***Yard Foreman Test:***	
Railroad Hotline:	No	***RCL Operator Test:***	
Railroad Milepost:	UNKNOWN	***Brakeman Test:***	
Grade Crossing:	N	***Train Dispat Test:***	
Crossing Device Ty:		***Signalman Test:***	
Ty Vehicle Involved:	UNKNOWN	***Oth Employee Test:***	
Device Operational:	Y	***Unknown Test:***	

Incident Details Information

Release Secured:	U	***State Agen Report No:***	
Release Rate:		***State Agen on Scene:***	
Release Rate Unit:		***State Agen Notified:***	
Release Rate Rate:		***Fed Agency Notified:***	
Est Duration of Rel:		***Oth Agency Notified:***	
Desc Remedial Act:	CONTRACTOR ON SCENE / USING SKIMMER / CONTAINED IN RETENTION POND	***Body of Water:***	
Fire Involved:	N	***Tributary of:***	
Fire Extinguished:	U	***Near River Mile Make:***	
Any Evacuations:	N	***Near River Mile Mark:***	
Number Evacuated:		***Offshore:***	N
Who Evacuated:		***Weather Conditions:***	
Radius of Evacu:		***Air Temperature:***	
Any Injuries:	U	***Wind Direction:***	
No. Injured:		***Wind Speed:***	
No. Hospitalized:		***Wind Speed Unit:***	
No. Fatalities:		***Water Supp Contam:***	U
Any Fatalities:	U	***Water Temperature:***	
Any Damages:	N	***Wave Condition:***	
Damage Amount:		***Current Speed:***	
Air Corridor Closed:	N	***Current Direction:***	
Air Corridor Desc:		***Current Speed Unit:***	

Air Closure Time:		***EMPL Fatality:***	
Waterway Closed:	N	***Pass Fatality:***	
Waterway Desc:		***Community Impact:***	N
Waterway Close Time:		***Passengers Transfer:***	UNK
Road Closed:	N	***Passenger Injuries:***	
Road Desc:		***Employee Injuries:***	
Road Closure Time:		***Occupant Fatality:***	
Road Closure Units:		***Sheen Size:***	
Closure Direction:		***Sheen Size Units:***	
Major Artery:	No	***Sheen Size Length:***	
Track Closed:	N	***Sheen Size Length U:***	
Track Desc:		***Sheen Size Width:***	
Track Closure Time:		***Sheen Size Width U:***	
Track Closure Units:		***Sheen Color:***	
Track Close Dir:		***Dir of Sheen Travel:***	
Media Interest:		***Sheen Odor Desc:***	
Medium Desc:	WATER	***Duration Unit:***	
Addl Medium Info:	RETENTION POND	***Additional Info:***	POND DOES NOT FLOW INTO WATERWAY / NO INFORMATION ON SHEENWILL NOTIFY:IL DEP

Site:

MILWAUKEE AVE NORTH OF LAKE COOK RD BUFFALO GROVE IL ERNS

NRC Report No:	245081	***Latitude Degrees:***	
Type of Incident:	MOBILE	***Latitude Minutes:***	
Incident Cause:	UNKNOWN	***Latitude Seconds:***	
Incident Date:	6/20/1994 1:00:00 PM	***Longitude Degrees:***	
Incident Location:		***Longitude Minutes:***	
Incident Dtg:	OCCURRED	***Longitude Seconds:***	
Distance from City:		***Lat Quad:***	
Distance Units:		***Long Quad:***	
Potential Flag:		***Location Section:***	
Year:	Year 1994 Reports	***Location Township:***	
Direction from City:		***Location Range:***	
Location County:	LAKE		
Description of Incident:	FUEL TANK ON TRUCK / THE RELEASE OCCURRED AS THE RESULT OF A MULTIVEHICLE ACCIDENT		

Material Spill Information

Chris Code:	ODS	***Unit of Measure:***	GALLON(S)
CAS No:		***If Reached Water:***	YES
UN No:		***Amount in Water:***	100
Name of Material:	OIL: DIESEL	***Unit Reach Water:***	GALLON(S)
Amount of Material:	100		

Calls Information

Date Time Received:	6/20/1994 3:21:39 PM	***Responsible City:***	
Date Time Complete:	6/20/1994 3:30:00 PM	***Responsible State:***	XX
Call Type:	INC	***Responsible Zip:***	
Resp Company:		***Source:***	UNAVAILABLE
Resp Org Type:	UNKNOWN		

Incident Information

Tank ID:		***Building ID:***	
Tank Regulated:	U	***Location Area ID:***	
Tank Regulated By:		***Location Block ID:***	
Capacity of Tank:		***OCSG No:***	
Capacity Tank Units:		***OCSP No:***	
Description of Tank:		***State Lease No:***	
Actual Amount:		***Pier Dock No:***	
Actual Amount Units:		***Berth Slip No:***	
Tank Above Ground:	ABOVE	***Brake Failure:***	N
NPDES:		***Airbag Deployed:***	
NPDES Compliance:	U	***Transport Contain:***	U

Init Contin Rel No:		***Location Subdiv:***	
Contin Rel Permit:		***Platform Rig Name:***	
Contin Release Type:		***Platform Letter:***	
Aircraft ID:		***Allision:***	N
Aircraft Runway No:		***Type of Structure:***	
Aircraft Spot No:		***Structure Name:***	
Aircraft Type:	UNKNOWN	***Structure Oper:***	Y
Aircraft Model:		***Transit Bus Flag:***	
Aircraft Fuel Cap:		***Date Time Norm Serv:***	
Aircraft Fuel Cap U:		***Serv Disrupt Time:***	
Aircraft Fuel on Brd:		***Serv Disrupt Units:***	
Aircraft Fuel OB U:		***CR Begin Date:***	
Aircraft Hanger:		***CR End Date:***	
Road Mile Marker:		***CR Change Date:***	
Power Gen Facility:	U	***FBI Contact:***	
Generating Capacity:		***FBI Contact Dt Tm:***	
Type of Fixed Obj:	UNKNOWN	***Passenger Handling:***	
Type of Fuel:		***Passenger Route:***	XXX
DOT Crossing No:		***Passenger Delay:***	XXX
DOT Regulated:	U	***Sub Part C Test Req:***	XXX
Pipeline Type:	UNKNOWN	***Conductor Test:***	
Pipeline Abv Ground:	ABOVE	***Engineer Test:***	
Pipeline Covered:	U	***Trainman Test:***	
Exposed Underwater:	U	***Yard Foreman Test:***	
Railroad Hotline:	No	***RCL Operator Test:***	
Railroad Milepost:	UNKNOWN	***Brakeman Test:***	
Grade Crossing:	N	***Train Dispat Test:***	
Crossing Device Ty:		***Signalman Test:***	
Ty Vehicle Involved:	UNKNOWN	***Oth Employee Test:***	
Device Operational:	Y	***Unknown Test:***	

<u>Incident Details Information</u>

Release Secured:	U	***State Agen Report No:***	
Release Rate:		***State Agen on Scene:***	
Release Rate Unit:		***State Agen Notified:***	
Release Rate Rate:		***Fed Agency Notified:***	
Est Duration of Rel:		***Oth Agency Notified:***	
Desc Remedial Act:	CREWS ON SCENE	***Body of Water:***	
Fire Involved:	N	***Tributary of:***	
Fire Extinguished:	U	***Near River Mile Make:***	
Any Evacuations:	N	***Near River Mile Mark:***	
Number Evacuated:		***Offshore:***	N
Who Evacuated:		***Weather Conditions:***	
Radius of Evacu:		***Air Temperature:***	
Any Injuries:	U	***Wind Direction:***	
No. Injured:		***Wind Speed:***	
No. Hospitalized:		***Wind Speed Unit:***	
No. Fatalities:		***Water Supp Contam:***	U
Any Fatalities:	U	***Water Temperature:***	
Any Damages:	N	***Wave Condition:***	
Damage Amount:		***Current Speed:***	
Air Corridor Closed:	N	***Current Direction:***	
Air Corridor Desc:		***Current Speed Unit:***	
Air Closure Time:		***EMPL Fatality:***	
Waterway Closed:	N	***Pass Fatality:***	
Waterway Desc:		***Community Impact:***	N
Waterway Close Time:		***Passengers Transfer:***	UNK
Road Closed:	N	***Passenger Injuries:***	
Road Desc:		***Employee Injuries:***	
Road Closure Time:		***Occupant Fatality:***	
Road Closure Units:		***Sheen Size:***	
Closure Direction:		***Sheen Size Units:***	
Major Artery:	No	***Sheen Size Length:***	
Track Closed:	N	***Sheen Size Length U:***	
Track Desc:		***Sheen Size Width:***	
Track Closure Time:		***Sheen Size Width U:***	
Track Closure Units:		***Sheen Color:***	
Track Close Dir:		***Dir of Sheen Travel:***	

Media Interest:		***Sheen Odor Desc:***	
Medium Desc:	WATER	***Duration Unit:***	
Addl Medium Info:	DESPLAINES RIVER	***Additional Info:***	MILWAUKEE AVE HAS BEEN CLOSED INDEFINITELY

Site:

LAKE MICHAGAN IL

ERNS

NRC Report No:	760921	***Latitude Degrees:***	42
Type of Incident:	AIRCRAFT	***Latitude Minutes:***	5
Incident Cause:	UNKNOWN	***Latitude Seconds:***	
Incident Date:	6/3/2005 2:15:00 PM	***Longitude Degrees:***	87
Incident Location:		***Longitude Minutes:***	15
Incident Dtg:	OCCURRED	***Longitude Seconds:***	
Distance from City:		***Lat Quad:***	N
Distance Units:		***Long Quad:***	W
Potential Flag:		***Location Section:***	
Year:	Year 2005 Reports	***Location Township:***	
Direction from City:		***Location Range:***	
Location County:	COOK		

Description of Incident: CALLER FROM THE CITY OF CHICAGO OEM STATED AN AIRLINER HAD TO DUMP ITS FUEL INTO LAKE MICHIGAN DUE TO THE PLANE HITTING RUBBER AND METAL ON THE RUNWAY DUE TO UNKNOWN CAUSES DURING TAKE OFF. PLANE RETURNED TO THE RUNWAY AND DUMPED FUEL AS A PRECAUTION INTO LAKE MICHIGAN.

Material Spill Information

Chris Code:	JPO	***Unit of Measure:***	POUND(S)
CAS No:	000000-00-0	***If Reached Water:***	YES
UN No:		***Amount in Water:***	310000
Name of Material:	JET FUEL: JP-1 (KEROSENE)	***Unit Reach Water:***	POUND(S)
Amount of Material:	310000		

Calls Information

Date Time Received:	6/3/2005 4:08:29 PM	***Responsible City:***	
Date Time Complete:	6/3/2005 4:24:59 PM	***Responsible State:***	IL
Call Type:	INC	***Responsible Zip:***	
Resp Company:	UNITED AIRLINES	***Source:***	TELEPHONE
Resp Org Type:	UNKNOWN		

Incident Information

Tank ID:		***Building ID:***	
Tank Regulated:	U	***Location Area ID:***	
Tank Regulated By:		***Location Block ID:***	
Capacity of Tank:		***OCSG No:***	
Capacity Tank Units:		***OCSP No:***	
Description of Tank:		***State Lease No:***	
Actual Amount:		***Pier Dock No:***	
Actual Amount Units:		***Berth Slip No:***	
Tank Above Ground:	ABOVE	***Brake Failure:***	N
NPDES:		***Airbag Deployed:***	
NPDES Compliance:	U	***Transport Contain:***	U
Init Contin Rel No:		***Location Subdiv:***	
Contin Rel Permit:		***Platform Rig Name:***	
Contin Release Type:		***Platform Letter:***	
Aircraft ID:	UAL881	***Allision:***	N
Aircraft Runway No:	14 RIGHT	***Type of Structure:***	
Aircraft Spot No:		***Structure Name:***	
Aircraft Type:	COMMERCIAL	***Structure Oper:***	U
Aircraft Model:	747	***Transit Bus Flag:***	
Aircraft Fuel Cap:		***Date Time Norm Serv:***	
Aircraft Fuel Cap U:		***Serv Disrupt Time:***	
Aircraft Fuel on Brd:		***Serv Disrupt Units:***	
Aircraft Fuel OB U:		***CR Begin Date:***	
Aircraft Hanger:		***CR End Date:***	

Road Mile Marker:		***CR Change Date:***	
Power Gen Facility:	U	***FBI Contact:***	
Generating Capacity:		***FBI Contact Dt Tm:***	
Type of Fixed Obj:		***Passenger Handling:***	
Type of Fuel:		***Passenger Route:***	XXX
DOT Crossing No:		***Passenger Delay:***	XXX
DOT Regulated:	U	***Sub Part C Test Req:***	XXX
Pipeline Type:		***Conductor Test:***	
Pipeline Abv Ground:	ABOVE	***Engineer Test:***	
Pipeline Covered:	U	***Trainman Test:***	
Exposed Underwater:	N	***Yard Foreman Test:***	
Railroad Hotline:		***RCL Operator Test:***	
Railroad Milepost:		***Brakeman Test:***	
Grade Crossing:	N	***Train Dispat Test:***	
Crossing Device Ty:		***Signalman Test:***	
Ty Vehicle Involved:		***Oth Employee Test:***	
Device Operational:	Y	***Unknown Test:***	

Incident Details Information

Release Secured:	Y	***State Agen Report No:***	NONE
Release Rate:		***State Agen on Scene:***	NONE
Release Rate Unit:		***State Agen Notified:***	FIRE, OEM
Release Rate Rate:		***Fed Agency Notified:***	NONE
Est Duration of Rel:		***Oth Agency Notified:***	
Desc Remedial Act:	NO ACTION HAS BEEN TAKEN.	***Body of Water:***	LAKE MICHIGAN
Fire Involved:	N	***Tributary of:***	
Fire Extinguished:	U	***Near River Mile Make:***	
Any Evacuations:	N	***Near River Mile Mark:***	
Number Evacuated:		***Offshore:***	N
Who Evacuated:		***Weather Conditions:***	PARTLY CLOUDY
Radius of Evacu:		***Air Temperature:***	66
Any Injuries:	N	***Wind Direction:***	ESE
No. Injured:		***Wind Speed:***	7
No. Hospitalized:		***Wind Speed Unit:***	MPH
No. Fatalities:		***Water Supp Contam:***	U
Any Fatalities:	N	***Water Temperature:***	
Any Damages:	N	***Wave Condition:***	
Damage Amount:		***Current Speed:***	
Air Corridor Closed:	N	***Current Direction:***	
Air Corridor Desc:		***Current Speed Unit:***	
Air Closure Time:		***EMPL Fatality:***	
Waterway Closed:	N	***Pass Fatality:***	
Waterway Desc:		***Community Impact:***	N
Waterway Close Time:		***Passengers Transfer:***	UNK
Road Closed:	N	***Passenger Injuries:***	
Road Desc:		***Employee Injuries:***	
Road Closure Time:		***Occupant Fatality:***	
Road Closure Units:		***Sheen Size:***	
Closure Direction:		***Sheen Size Units:***	
Major Artery:	No	***Sheen Size Length:***	
Track Closed:	N	***Sheen Size Length U:***	
Track Desc:		***Sheen Size Width:***	
Track Closure Time:		***Sheen Size Width U:***	
Track Closure Units:		***Sheen Color:***	
Track Close Dir:		***Dir of Sheen Travel:***	
Media Interest:	NONE	***Sheen Odor Desc:***	
Medium Desc:	WATER	***Duration Unit:***	
Addl Medium Info:	LAKE MICHIGAN	***Additional Info:***	CALLER DID NOT HAVE ALL OF THE INFORMATION.

Site:

LAKE COOK RD NEAR MILWAUKEE AVE BUFFALO GROVE IL ERNS

NRC Report No:	231358	***Latitude Degrees:***	
Type of Incident:	FIXED	***Latitude Minutes:***	
Incident Cause:	UNKNOWN	***Latitude Seconds:***	
Incident Date:	3/23/1994 11:30:00 AM	***Longitude Degrees:***	
Incident Location:		***Longitude Minutes:***	

Incident Dtg:	DISCOVERED	***Longitude Seconds:***	
Distance from City:		***Lat Quad:***	
Distance Units:		***Long Quad:***	
Potential Flag:		***Location Section:***	
Year:	Year 1994 Reports	***Location Township:***	
Direction from City:		***Location Range:***	
Location County:	COOK		

Description of Incident: CALLER STATES THAT THERE IS CONSTRUCTION NEAR RIVER AND ALL BYPRODUCTSOF CONST ARE ENTERING RIVER (DIRT,SEDIMENT, WATER)

Material Spill Information

Chris Code:	UNK	***Unit of Measure:***	UNKNOWN AMOUNT
CAS No:		***If Reached Water:***	YES
UN No:		***Amount in Water:***	0
Name of Material:	UNKNOWN MATERIAL	***Unit Reach Water:***	UNKNOWN AMOUNT
Amount of Material:	0		

Calls Information

Date Time Received:	3/23/1994 12:33:17 PM	***Responsible City:***	WHEELING
Date Time Complete:	3/23/1994 12:37:20 PM	***Responsible State:***	IL
Call Type:	INC	***Responsible Zip:***	
Resp Company:	UNKNOWN CONSTRUCTION CO	***Source:***	UNAVAILABLE
Resp Org Type:	UNKNOWN		

Incident Information

Tank ID:		***Building ID:***	
Tank Regulated:	U	***Location Area ID:***	
Tank Regulated By:		***Location Block ID:***	
Capacity of Tank:		***OCSG No:***	
Capacity Tank Units:		***OCSP No:***	
Description of Tank:		***State Lease No:***	
Actual Amount:		***Pier Dock No:***	
Actual Amount Units:		***Berth Slip No:***	
Tank Above Ground:	ABOVE	***Brake Failure:***	N
NPDES:		***Airbag Deployed:***	
NPDES Compliance:	U	***Transport Contain:***	U
Init Contin Rel No:		***Location Subdiv:***	
Contin Rel Permit:		***Platform Rig Name:***	
Contin Release Type:		***Platform Letter:***	
Aircraft ID:		***Allision:***	N
Aircraft Runway No:		***Type of Structure:***	
Aircraft Spot No:		***Structure Name:***	
Aircraft Type:	UNKNOWN	***Structure Oper:***	Y
Aircraft Model:		***Transit Bus Flag:***	
Aircraft Fuel Cap:		***Date Time Norm Serv:***	
Aircraft Fuel Cap U:		***Serv Disrupt Time:***	
Aircraft Fuel on Brd:		***Serv Disrupt Units:***	
Aircraft Fuel OB U:		***CR Begin Date:***	
Aircraft Hanger:		***CR End Date:***	
Road Mile Marker:		***CR Change Date:***	
Power Gen Facility:	U	***FBI Contact:***	
Generating Capacity:		***FBI Contact Dt Tm:***	
Type of Fixed Obj:	UNKNOWN	***Passenger Handling:***	
Type of Fuel:		***Passenger Route:***	XXX
DOT Crossing No:		***Passenger Delay:***	XXX
DOT Regulated:	U	***Sub Part C Test Req:***	XXX
Pipeline Type:	UNKNOWN	***Conductor Test:***	
Pipeline Abv Ground:	ABOVE	***Engineer Test:***	
Pipeline Covered:	U	***Trainman Test:***	
Exposed Underwater:	U	***Yard Foreman Test:***	
Railroad Hotline:	No	***RCL Operator Test:***	
Railroad Milepost:	UNKNOWN	***Brakeman Test:***	
Grade Crossing:	N	***Train Dispat Test:***	
Crossing Device Ty:		***Signalman Test:***	
Ty Vehicle Involved:	UNKNOWN	***Oth Employee Test:***	

Device Operational: Y
Unknown Test:

Incident Details Information

Release Secured:
Release Rate:
Release Rate Unit:
Release Rate Rate:
Est Duration of Rel:
Desc Remedial Act: NONE
Fire Involved: N
Fire Extinguished:
Any Evacuations: N
Number Evacuated:
Who Evacuated:
Radius of Evacu:
Any Injuries: U
No. Injured:
No. Hospitalized:
No. Fatalities:
Any Fatalities: U
Any Damages: N
Damage Amount:
Air Corridor Closed:
Air Corridor Desc:
Air Closure Time:
Waterway Closed:
Waterway Desc:
Waterway Close Time:
Road Closed:
Road Desc:
Road Closure Time:
Road Closure Units:
Closure Direction:
Major Artery:
Track Closed:
Track Desc:
Track Closure Time:
Track Closure Units:
Track Close Dir:
Media Interest:
Medium Desc: WATER
Addl Medium Info: DES PLAINES RIVER

State Agen Report No:
State Agen on Scene:
State Agen Notified:
Fed Agency Notified:
Oth Agency Notified:
Body of Water:
Tributary of:
Near River Mile Make:
Near River Mile Mark:
Offshore:
Weather Conditions:
Air Temperature:
Wind Direction:
Wind Speed:
Wind Speed Unit:
Water Supp Contam:
Water Temperature:
Wave Condition:
Current Speed:
Current Direction:
Current Speed Unit:
EMPL Fatality:
Pass Fatality:
Community Impact:
Passengers Transfer: UNK
Passenger Injuries:
Employee Injuries:
Occupant Fatality:
Sheen Size:
Sheen Size Units:
Sheen Size Length:
Sheen Size Length U:
Sheen Size Width:
Sheen Size Width U:
Sheen Color:
Dir of Sheen Travel:
Sheen Odor Desc:
Duration Unit:
Additional Info:

Site:
645 WEST UNIVERSITY DRIVE ARLINGTON HEIGHTS IL ERNS

NRC Report No: 507233
Type of Incident: FIXED
Incident Cause: DUMPING
Incident Date: 11/23/1999 12:00:00 PM
Incident Location:
Incident Dtg: DISCOVERED
Distance from City:
Distance Units:
Potential Flag:
Year: Year 1999 Reports
Direction from City:
Location County: COOK
Description of Incident: THE CALLER STATES THAT THE COMPANY DUMPS THEIR WASTE MATERIALS DOWN THEDRAIN

Latitude Degrees:
Latitude Minutes:
Latitude Seconds:
Longitude Degrees:
Longitude Minutes:
Longitude Seconds:
Lat Quad:
Long Quad:
Location Section:
Location Township:
Location Range:

Material Spill Information

Chris Code: UNK
CAS No:
UN No:
Name of Material: MISC. PRINTING WASTE MATERIALS
Amount of Material: 0

Unit of Measure: UNKNOWN AMOUNT
If Reached Water: YES
Amount in Water: 0
Unit Reach Water: UNKNOWN AMOUNT

Calls Information

Date Time Received:	11/30/1999 11:16:09 AM	***Responsible City:***	ARLINGTON HEIGHTS
Date Time Complete:	11/30/1999 11:19:33 AM	***Responsible State:***	IL
Call Type:	INC	***Responsible Zip:***	
Resp Company:	TPM GRAPHICS	***Source:***	UNAVAILABLE
Resp Org Type:	PRIVATE ENTERPRISE		

Incident Information

Tank ID:		***Building ID:***	
Tank Regulated:	U	***Location Area ID:***	
Tank Regulated By:		***Location Block ID:***	
Capacity of Tank:		***OCSG No:***	
Capacity Tank Units:		***OCSP No:***	
Description of Tank:		***State Lease No:***	
Actual Amount:		***Pier Dock No:***	
Actual Amount Units:		***Berth Slip No:***	
Tank Above Ground:	ABOVE	***Brake Failure:***	N
NPDES:		***Airbag Deployed:***	
NPDES Compliance:	U	***Transport Contain:***	U
Init Contin Rel No:		***Location Subdiv:***	
Contin Rel Permit:		***Platform Rig Name:***	
Contin Release Type:		***Platform Letter:***	
Aircraft ID:		***Allision:***	N
Aircraft Runway No:		***Type of Structure:***	
Aircraft Spot No:		***Structure Name:***	
Aircraft Type:	UNKNOWN	***Structure Oper:***	Y
Aircraft Model:		***Transit Bus Flag:***	
Aircraft Fuel Cap:		***Date Time Norm Serv:***	
Aircraft Fuel Cap U:		***Serv Disrupt Time:***	
Aircraft Fuel on Brd:		***Serv Disrupt Units:***	
Aircraft Fuel OB U:		***CR Begin Date:***	
Aircraft Hanger:		***CR End Date:***	
Road Mile Marker:		***CR Change Date:***	
Power Gen Facility:	U	***FBI Contact:***	
Generating Capacity:		***FBI Contact Dt Tm:***	
Type of Fixed Obj:	UNKNOWN	***Passenger Handling:***	
Type of Fuel:		***Passenger Route:***	XXX
DOT Crossing No:		***Passenger Delay:***	XXX
DOT Regulated:	U	***Sub Part C Test Req:***	XXX
Pipeline Type:	UNKNOWN	***Conductor Test:***	
Pipeline Abv Ground:	ABOVE	***Engineer Test:***	
Pipeline Covered:	U	***Trainman Test:***	
Exposed Underwater:	U	***Yard Foreman Test:***	
Railroad Hotline:	No	***RCL Operator Test:***	
Railroad Milepost:	UNKNOWN	***Brakeman Test:***	
Grade Crossing:	N	***Train Dispat Test:***	
Crossing Device Ty:		***Signalman Test:***	
Ty Vehicle Involved:	UNKNOWN	***Oth Employee Test:***	
Device Operational:	Y	***Unknown Test:***	

Incident Details Information

Release Secured:	U	***State Agen Report No:***	
Release Rate:		***State Agen on Scene:***	
Release Rate Unit:		***State Agen Notified:***	
Release Rate Rate:		***Fed Agency Notified:***	
Est Duration of Rel:		***Oth Agency Notified:***	
Desc Remedial Act:	NONE	***Body of Water:***	
Fire Involved:	N	***Tributary of:***	
Fire Extinguished:	U	***Near River Mile Make:***	
Any Evacuations:	N	***Near River Mile Mark:***	
Number Evacuated:		***Offshore:***	N
Who Evacuated:		***Weather Conditions:***	
Radius of Evacu:		***Air Temperature:***	
Any Injuries:	U	***Wind Direction:***	

No. Injured:		***Wind Speed:***	
No. Hospitalized:		***Wind Speed Unit:***	
No. Fatalities:		***Water Supp Contam:***	U
Any Fatalities:	U	***Water Temperature:***	
Any Damages:	N	***Wave Condition:***	
Damage Amount:		***Current Speed:***	
Air Corridor Closed:	N	***Current Direction:***	
Air Corridor Desc:		***Current Speed Unit:***	
Air Closure Time:		***EMPL Fatality:***	
Waterway Closed:	N	***Pass Fatality:***	
Waterway Desc:		***Community Impact:***	N
Waterway Close Time:		***Passengers Transfer:***	UNK
Road Closed:	N	***Passenger Injuries:***	
Road Desc:		***Employee Injuries:***	
Road Closure Time:		***Occupant Fatality:***	
Road Closure Units:		***Sheen Size:***	
Closure Direction:		***Sheen Size Units:***	
Major Artery:	No	***Sheen Size Length:***	
Track Closed:	N	***Sheen Size Length U:***	
Track Desc:		***Sheen Size Width:***	
Track Closure Time:		***Sheen Size Width U:***	
Track Closure Units:		***Sheen Color:***	
Track Close Dir:		***Dir of Sheen Travel:***	
Media Interest:		***Sheen Odor Desc:***	
Medium Desc:	WATER	***Duration Unit:***	
Addl Medium Info:	DRAIN	***Additional Info:***	THE CALLER HAD NO OTHER INFORMATION

Site:

OFF OF LAKE STREET IL ERNS

NRC Report No:	883971	***Latitude Degrees:***	
Type of Incident:	RAILROAD	***Latitude Minutes:***	
Incident Cause:	DERAILMENT	***Latitude Seconds:***	
Incident Date:	9/15/2008 11:39:00 AM	***Longitude Degrees:***	
Incident Location:	RAIL YARD	***Longitude Minutes:***	
Incident Dtg:	OCCURRED	***Longitude Seconds:***	
Distance from City:		***Lat Quad:***	
Distance Units:		***Long Quad:***	
Potential Flag:	No	***Location Section:***	
Year:	Year 2008 Reports	***Location Township:***	
Direction from City:		***Location Range:***	
Location County:	COOK		

Description of Incident: CALLER IS REPORTING A SPILL OF DIESEL FUEL FROM A DERAILMENT, DUE TO UNKNOWN CAUSES. AN INVESTIGATION IS UNDERWAY.

Material Spill Information

Chris Code:	ODS	***Unit of Measure:***	GALLON(S)
CAS No:	000000-00-0	***If Reached Water:***	NO
UN No:		***Amount in Water:***	
Name of Material:	OIL: DIESEL	***Unit Reach Water:***	
Amount of Material:	25		

Calls Information

Date Time Received:	9/15/2008 4:12:35 PM	***Responsible City:***	
Date Time Complete:	9/15/2008 4:24:51 PM	***Responsible State:***	XX
Call Type:	INC	***Responsible Zip:***	
Resp Company:		***Source:***	TELEPHONE
Resp Org Type:	UNKNOWN		

Incident Information

Tank ID:		***Building ID:***	
Tank Regulated:	U	***Location Area ID:***	
Tank Regulated By:		***Location Block ID:***	

Capacity of Tank:		***OCSG No:***	
Capacity Tank Units:		***OCSP No:***	
Description of Tank:		***State Lease No:***	
Actual Amount:		***Pier Dock No:***	
Actual Amount Units:		***Berth Slip No:***	
Tank Above Ground:	ABOVE	***Brake Failure:***	U
NPDES:		***Airbag Deployed:***	U
NPDES Compliance:	U	***Transport Contain:***	U
Init Contin Rel No:		***Location Subdiv:***	PROBISO
Contin Rel Permit:		***Platform Rig Name:***	
Contin Release Type:		***Platform Letter:***	
Aircraft ID:		***Allision:***	U
Aircraft Runway No:		***Type of Structure:***	
Aircraft Spot No:		***Structure Name:***	
Aircraft Type:		***Structure Oper:***	U
Aircraft Model:		***Transit Bus Flag:***	
Aircraft Fuel Cap:		***Date Time Norm Serv:***	
Aircraft Fuel Cap U:		***Serv Disrupt Time:***	
Aircraft Fuel on Brd:		***Serv Disrupt Units:***	
Aircraft Fuel OB U:		***CR Begin Date:***	
Aircraft Hanger:		***CR End Date:***	
Road Mile Marker:		***CR Change Date:***	
Power Gen Facility:	U	***FBI Contact:***	
Generating Capacity:		***FBI Contact Dt Tm:***	
Type of Fixed Obj:		***Passenger Handling:***	
Type of Fuel:		***Passenger Route:***	UNK
DOT Crossing No:		***Passenger Delay:***	UNK
DOT Regulated:	U	***Sub Part C Test Req:***	UNK
Pipeline Type:		***Conductor Test:***	
Pipeline Abv Ground:	ABOVE	***Engineer Test:***	
Pipeline Covered:	U	***Trainman Test:***	
Exposed Underwater:	N	***Yard Foreman Test:***	
Railroad Hotline:		***RCL Operator Test:***	
Railroad Milepost:	14.68	***Brakeman Test:***	
Grade Crossing:	N	***Train Dispat Test:***	
Crossing Device Ty:		***Signalman Test:***	
Ty Vehicle Involved:		***Oth Employee Test:***	
Device Operational:	Y	***Unknown Test:***	

Incident Details Information

Release Secured:	Y	***State Agen Report No:***	RR-2008-0075
Release Rate:		***State Agen on Scene:***	NONE
Release Rate Unit:		***State Agen Notified:***	OEM, MWRD
Release Rate Rate:		***Fed Agency Notified:***	NONE
Est Duration of Rel:		***Oth Agency Notified:***	
Desc Remedial Act:	INVESTIGATION UNDERWAY AND RERAILMENT IN PROGRESS.	***Body of Water:***	
Fire Involved:	N	***Tributary of:***	
Fire Extinguished:	U	***Near River Mile Make:***	
Any Evacuations:	N	***Near River Mile Mark:***	
Number Evacuated:		***Offshore:***	N
Who Evacuated:		***Weather Conditions:***	PARTLY CLOUDY
Radius of Evacu:		***Air Temperature:***	62
Any Injuries:	N	***Wind Direction:***	W
No. Injured:		***Wind Speed:***	3
No. Hospitalized:		***Wind Speed Unit:***	MPH
No. Fatalities:		***Water Supp Contam:***	U
Any Fatalities:	N	***Water Temperature:***	
Any Damages:	U	***Wave Condition:***	
Damage Amount:		***Current Speed:***	
Air Corridor Closed:	N	***Current Direction:***	
Air Corridor Desc:		***Current Speed Unit:***	
Air Closure Time:		***EMPL Fatality:***	
Waterway Closed:	N	***Pass Fatality:***	
Waterway Desc:		***Community Impact:***	
Waterway Close Time:		***Passengers Transfer:***	NO
Road Closed:	N	***Passenger Injuries:***	
Road Desc:		***Employee Injuries:***	

Road Closure Time:		***Occupant Fatality:***	
Road Closure Units:		***Sheen Size:***	
Closure Direction:		***Sheen Size Units:***	
Major Artery:	No	***Sheen Size Length:***	
Track Closed:	N	***Sheen Size Length U:***	
Track Desc:		***Sheen Size Width:***	
Track Closure Time:		***Sheen Size Width U:***	
Track Closure Units:		***Sheen Color:***	
Track Close Dir:		***Dir of Sheen Travel:***	
Media Interest:	NONE	***Sheen Odor Desc:***	
Medium Desc:	BALLAST	***Duration Unit:***	
Addl Medium Info:		***Additional Info:***	NO ADDITIONAL INFORMATION.

Site:

LAKE-COOK ROAD BETWEEN MILWAUKEE AVE & NORTH GATE ROAD WHEELING IL ERNS

NRC Report No:	608460	***Latitude Degrees:***	
Type of Incident:	UNKNOWN SHEEN	***Latitude Minutes:***	
Incident Cause:	UNKNOWN	***Latitude Seconds:***	
Incident Date:	6/4/2002 6:30:00 PM	***Longitude Degrees:***	
Incident Location:	UNMARKED LAKE < LAKE	***Longitude Minutes:***	
Incident Dtg:	DISCOVERED	***Longitude Seconds:***	
Distance from City:		***Lat Quad:***	
Distance Units:		***Long Quad:***	
Potential Flag:		***Location Section:***	
Year:	Year 2002 Reports	***Location Township:***	
Direction from City:		***Location Range:***	
Location County:	LAKE		

Description of Incident: THE CALLER REPORTED UNKNOWN SHEEN IN THE WATER

Material Spill Information

Chris Code:	OUN	***Unit of Measure:***	UNKNOWN AMOUNT
CAS No:	000000-00-0	***If Reached Water:***	YES
UN No:		***Amount in Water:***	0
Name of Material:	UNKNOWN OIL	***Unit Reach Water:***	UNKNOWN AMOUNT
Amount of Material:	0		

Calls Information

Date Time Received:	6/4/2002 9:53:36 PM	***Responsible City:***	
Date Time Complete:	6/4/2002 10:00:46 PM	***Responsible State:***	XX
Call Type:	INC	***Responsible Zip:***	
Resp Company:		***Source:***	TELEPHONE
Resp Org Type:	UNKNOWN		

Incident Information

Tank ID:		***Building ID:***	
Tank Regulated:	U	***Location Area ID:***	
Tank Regulated By:		***Location Block ID:***	
Capacity of Tank:		***OCSG No:***	
Capacity Tank Units:		***OCSP No:***	
Description of Tank:		***State Lease No:***	
Actual Amount:		***Pier Dock No:***	
Actual Amount Units:		***Berth Slip No:***	
Tank Above Ground:	ABOVE	***Brake Failure:***	N
NPDES:		***Airbag Deployed:***	
NPDES Compliance:	U	***Transport Contain:***	U
Init Contin Rel No:		***Location Subdiv:***	
Contin Rel Permit:		***Platform Rig Name:***	
Contin Release Type:		***Platform Letter:***	
Aircraft ID:		***Allision:***	N
Aircraft Runway No:		***Type of Structure:***	
Aircraft Spot No:		***Structure Name:***	
Aircraft Type:	UNKNOWN	***Structure Oper:***	U
Aircraft Model:		***Transit Bus Flag:***	

Aircraft Fuel Cap:		***Date Time Norm Serv:***	
Aircraft Fuel Cap U:		***Serv Disrupt Time:***	
Aircraft Fuel on Brd:		***Serv Disrupt Units:***	
Aircraft Fuel OB U:		***CR Begin Date:***	
Aircraft Hanger:		***CR End Date:***	
Road Mile Marker:		***CR Change Date:***	
Power Gen Facility:	U	***FBI Contact:***	
Generating Capacity:		***FBI Contact Dt Tm:***	
Type of Fixed Obj:	UNKNOWN	***Passenger Handling:***	
Type of Fuel:		***Passenger Route:***	XXX
DOT Crossing No:		***Passenger Delay:***	XXX
DOT Regulated:	U	***Sub Part C Test Req:***	XXX
Pipeline Type:		***Conductor Test:***	
Pipeline Abv Ground:	ABOVE	***Engineer Test:***	
Pipeline Covered:	U	***Trainman Test:***	
Exposed Underwater:	N	***Yard Foreman Test:***	
Railroad Hotline:		***RCL Operator Test:***	
Railroad Milepost:		***Brakeman Test:***	
Grade Crossing:	N	***Train Dispat Test:***	
Crossing Device Ty:		***Signalman Test:***	
Ty Vehicle Involved:		***Oth Employee Test:***	
Device Operational:	Y	***Unknown Test:***	

Incident Details Information

Release Secured:	U	***State Agen Report No:***	
Release Rate:		***State Agen on Scene:***	
Release Rate Unit:		***State Agen Notified:***	
Release Rate Rate:		***Fed Agency Notified:***	
Est Duration of Rel:		***Oth Agency Notified:***	
Desc Remedial Act:	NONE	***Body of Water:***	LAKE < LAKE
Fire Involved:	N	***Tributary of:***	
Fire Extinguished:	U	***Near River Mile Make:***	
Any Evacuations:	N	***Near River Mile Mark:***	
Number Evacuated:		***Offshore:***	N
Who Evacuated:		***Weather Conditions:***	
Radius of Evacu:		***Air Temperature:***	
Any Injuries:	N	***Wind Direction:***	
No. Injured:		***Wind Speed:***	
No. Hospitalized:		***Wind Speed Unit:***	
No. Fatalities:		***Water Supp Contam:***	U
Any Fatalities:	N	***Water Temperature:***	
Any Damages:	N	***Wave Condition:***	
Damage Amount:		***Current Speed:***	
Air Corridor Closed:	N	***Current Direction:***	
Air Corridor Desc:		***Current Speed Unit:***	
Air Closure Time:		***EMPL Fatality:***	
Waterway Closed:	N	***Pass Fatality:***	
Waterway Desc:		***Community Impact:***	N
Waterway Close Time:		***Passengers Transfer:***	UNK
Road Closed:	N	***Passenger Injuries:***	
Road Desc:		***Employee Injuries:***	
Road Closure Time:		***Occupant Fatality:***	
Road Closure Units:		***Sheen Size:***	
Closure Direction:		***Sheen Size Units:***	
Major Artery:	No	***Sheen Size Length:***	
Track Closed:	N	***Sheen Size Length U:***	
Track Desc:		***Sheen Size Width:***	
Track Closure Time:		***Sheen Size Width U:***	
Track Closure Units:		***Sheen Color:***	RAINBOW
Track Close Dir:		***Dir of Sheen Travel:***	
Media Interest:	NONE	***Sheen Odor Desc:***	KEROSENE
Medium Desc:	WATER	***Duration Unit:***	
Addl Medium Info:	LAKE < LAKE	***Additional Info:***	THE CALLER STATED RELEASE GOES FROM ONE LAKE TO ANOTHER LAKE AND IS LOCATED IN BETWEEN LAKE AND COOK COUNTY. THE CALLER STATED IT LOOKS LIKE SOMEONE DUMPED KEROSENE INTO WATER.

Site:

ARLINGTON PARK METROLINK COMMUTER,STATION ARLINGTON HEIGHTS IL ERNS

NRC Report No:	470904	***Latitude Degrees:***	
Type of Incident:	RAILROAD	***Latitude Minutes:***	
Incident Cause:	OTHER	***Latitude Seconds:***	
Incident Date:	1/18/1999 8:27:00 AM	***Longitude Degrees:***	
Incident Location:		***Longitude Minutes:***	
Incident Dtg:	OCCURRED	***Longitude Seconds:***	
Distance from City:		***Lat Quad:***	
Distance Units:		***Long Quad:***	
Potential Flag:		***Location Section:***	
Year:	Year 1999 Reports	***Location Township:***	
Direction from City:		***Location Range:***	
Location County:	COOK		

Description of Incident: A METRO TRAIN STRUCK A PEDESTRIAN AT A STATION ON A CROSSWALK / TRACKAND TRAIN SPEED UNKNOWN

Calls Information

Date Time Received:	1/18/1999 9:59:38 AM	***Responsible City:***	
Date Time Complete:	1/18/1999 10:04:45 AM	***Responsible State:***	XX
Call Type:	INC	***Responsible Zip:***	
Resp Company:		***Source:***	UNAVAILABLE
Resp Org Type:	UNKNOWN		

Incident Information

Tank ID:		***Building ID:***	
Tank Regulated:	U	***Location Area ID:***	
Tank Regulated By:		***Location Block ID:***	
Capacity of Tank:		***OCSG No:***	
Capacity Tank Units:		***OCSP No:***	
Description of Tank:		***State Lease No:***	
Actual Amount:		***Pier Dock No:***	
Actual Amount Units:		***Berth Slip No:***	
Tank Above Ground:	ABOVE	***Brake Failure:***	N
NPDES:		***Airbag Deployed:***	
NPDES Compliance:	U	***Transport Contain:***	U
Init Contin Rel No:		***Location Subdiv:***	
Contin Rel Permit:		***Platform Rig Name:***	
Contin Release Type:		***Platform Letter:***	
Aircraft ID:		***Allision:***	N
Aircraft Runway No:		***Type of Structure:***	
Aircraft Spot No:		***Structure Name:***	
Aircraft Type:	UNKNOWN	***Structure Oper:***	Y
Aircraft Model:		***Transit Bus Flag:***	
Aircraft Fuel Cap:		***Date Time Norm Serv:***	
Aircraft Fuel Cap U:		***Serv Disrupt Time:***	
Aircraft Fuel on Brd:		***Serv Disrupt Units:***	
Aircraft Fuel OB U:		***CR Begin Date:***	
Aircraft Hanger:		***CR End Date:***	
Road Mile Marker:		***CR Change Date:***	
Power Gen Facility:	U	***FBI Contact:***	
Generating Capacity:		***FBI Contact Dt Tm:***	
Type of Fixed Obj:	UNKNOWN	***Passenger Handling:***	
Type of Fuel:		***Passenger Route:***	XXX
DOT Crossing No:		***Passenger Delay:***	XXX
DOT Regulated:	U	***Sub Part C Test Req:***	XXX
Pipeline Type:	UNKNOWN	***Conductor Test:***	
Pipeline Abv Ground:	ABOVE	***Engineer Test:***	
Pipeline Covered:	U	***Trainman Test:***	
Exposed Underwater:	U	***Yard Foreman Test:***	
Railroad Hotline:	No	***RCL Operator Test:***	
Railroad Milepost:	24.2	***Brakeman Test:***	
Grade Crossing:	N	***Train Dispat Test:***	
Crossing Device Ty:		***Signalman Test:***	
Ty Vehicle Involved:	UNKNOWN	***Oth Employee Test:***	

Device Operational:	Y	***Unknown Test:***	

Incident Details Information

Release Secured:	U	***State Agen Report No:***	
Release Rate:		***State Agen on Scene:***	
Release Rate Unit:		***State Agen Notified:***	
Release Rate Rate:		***Fed Agency Notified:***	
Est Duration of Rel:		***Oth Agency Notified:***	
Desc Remedial Act:	NONE	***Body of Water:***	
Fire Involved:	N	***Tributary of:***	
Fire Extinguished:	U	***Near River Mile Make:***	
Any Evacuations:	N	***Near River Mile Mark:***	
Number Evacuated:		***Offshore:***	N
Who Evacuated:		***Weather Conditions:***	
Radius of Evacu:		***Air Temperature:***	
Any Injuries:	U	***Wind Direction:***	
No. Injured:		***Wind Speed:***	
No. Hospitalized:		***Wind Speed Unit:***	
No. Fatalities:	1	***Water Supp Contam:***	U
Any Fatalities:	Y	***Water Temperature:***	
Any Damages:	N	***Wave Condition:***	
Damage Amount:		***Current Speed:***	
Air Corridor Closed:	N	***Current Direction:***	
Air Corridor Desc:		***Current Speed Unit:***	
Air Closure Time:		***EMPL Fatality:***	
Waterway Closed:	N	***Pass Fatality:***	
Waterway Desc:		***Community Impact:***	N
Waterway Close Time:		***Passengers Transfer:***	UNK
Road Closed:	N	***Passenger Injuries:***	
Road Desc:		***Employee Injuries:***	
Road Closure Time:		***Occupant Fatality:***	
Road Closure Units:		***Sheen Size:***	
Closure Direction:		***Sheen Size Units:***	
Major Artery:	No	***Sheen Size Length:***	
Track Closed:	N	***Sheen Size Length U:***	
Track Desc:		***Sheen Size Width:***	
Track Closure Time:		***Sheen Size Width U:***	
Track Closure Units:		***Sheen Color:***	
Track Close Dir:		***Dir of Sheen Travel:***	
Media Interest:		***Sheen Odor Desc:***	
Medium Desc:	RAIL REPORT (N/A)	***Duration Unit:***	
Addl Medium Info:		***Additional Info:***	HARVARD SUBDIVISION / FATALITY WAS TO THE PEDESTRIAN DUE TO IMPACT /PROTECTIVE DEVICES: FLASHERS, CONDITION UNKNOWN

Site:
IN RECREATION PARK, NEXT TO DEALERSHIP 500 E. MINER ARLINGTON HEIGHTS IL

ERNS 1987 TO 1989

Spill ID:	03340	***Date of Spill:***	07-MAR-89
Suspected Comp:		***Spill County:***	COOK

Site: ***DELTA SONIC TINLEY PARK***
159TH ST AND OAK PARK DR BUFFALO GROVE IL 60089

FINDS/FRS

Registry ID:	110007539618
FIPS Code:	17097
HUC Code:	
Site Type Name:	STATIONARY
Location Description:	
Supplemental Location:	
Create Date:	01-MAR-2000 00:00:00
Update Date:	26-JAN-2012 13:29:32
Interest Types:	CESQG
SIC Codes:	
SIC Code Descriptions:	

NAICS Codes:
NAICS Code Descriptions:
Conveyor:
Federal Facility Code:
Federal Agency Name:
Tribal Land Code:
Tribal Land Name:
Congressional Dist No.:
Census Block Code:
EPA Region Code: 05
County Name: LAKE
US/Mexico Border Ind:
Latitude:
Longitude:
Reference Point:
Coord Collection Method:
Accuracy Value:
Datum: NAD83
Source:
Facility Detail Rprt URL: http://ofmpub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110007539618
Program Acronyms:

RCRAINFO:ILD984792473

Site: ***COOK COUNTY BRIDGE***
LAKE COOK RD WHEELING IL 60090

FINDS/FRS

Registry ID: 110012271932
FIPS Code: 17031
HUC Code:
Site Type Name: STATIONARY
Location Description:
Supplemental Location: OVR WI CENTRAL RR
Create Date: 01-MAR-2000 00:00:00
Update Date: 26-JAN-2012 16:24:23
Interest Types: HAZARDOUS WASTE BIENNIAL REPORTER, UNSPECIFIED UNIVERSE
SIC Codes:
SIC Code Descriptions:
NAICS Codes:
NAICS Code Descriptions:
Conveyor:
Federal Facility Code:
Federal Agency Name:
Tribal Land Code:
Tribal Land Name:
Congressional Dist No.:
Census Block Code:
EPA Region Code: 05
County Name: COOK
US/Mexico Border Ind:
Latitude:
Longitude:
Reference Point:
Coord Collection Method:
Accuracy Value:
Datum: NAD83
Source:
Facility Detail Rprt URL: http://ofmpub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110012271932
Program Acronyms:

BR:ILR000112136, RCRAINFO:ILR000112136

Site: ***OWEN WAGNER***
855 UNIVERSITY AVE ARLINGTON HEIGHTS IL 60004

FINDS/FRS

Registry ID:	110018330242
FIPS Code:	17031
HUC Code:	07120004
Site Type Name:	STATIONARY
Location Description:	
Supplemental Location:	
Create Date:	19-OCT-2004 15:02:22
Update Date:	29-DEC-2014 09:10:03
Interest Types:	STATE MASTER
SIC Codes:	
SIC Code Descriptions:	
NAICS Codes:	
NAICS Code Descriptions:	
Conveyor:	FRS-GEOCODE
Federal Facility Code:	
Federal Agency Name:	
Tribal Land Code:	
Tribal Land Name:	
Congressional Dist No.:	10
Census Block Code:	170318030052016
EPA Region Code:	05
County Name:	COOK
US/Mexico Border Ind:	
Latitude:	42.132688
Longitude:	-87.992901
Reference Point:	ENTRANCE POINT OF A FACILITY OR STATION
Coord Collection Method:	ADDRESS MATCHING-HOUSE NUMBER
Accuracy Value:	150
Datum:	NAD83
Source:	
Facility Detail Rprt URL:	http://ofmpub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110018330242
Program Acronyms:	

ACES:170000484562

Site: ***OUR LADY OF THE WAYSIDE***
425 S PARK ARLINGTON HEIGHTS IL 60005

FINDS/FRS

Registry ID:	110055952571
FIPS Code:	17031
HUC Code:	
Site Type Name:	STATIONARY
Location Description:	
Supplemental Location:	
Create Date:	23-SEP-2013 14:12:42
Update Date:	
Interest Types:	STATE MASTER
SIC Codes:	
SIC Code Descriptions:	
NAICS Codes:	
NAICS Code Descriptions:	
Conveyor:	
Federal Facility Code:	
Federal Agency Name:	
Tribal Land Code:	
Tribal Land Name:	
Congressional Dist No.:	
Census Block Code:	
EPA Region Code:	05
County Name:	COOK
US/Mexico Border Ind:	
Latitude:	
Longitude:	
Reference Point:	
Coord Collection Method:	
Accuracy Value:	
Datum:	NAD83
Source:	

Facility Detail Rprt URL: http://ofmpub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110055952571
Program Acronyms:

ACES:170001987009

Site: ***GROVE MEMORIAL CHAPEL***
195 BUFFALO GROVE RD BUFFALO GROVE IL 60089

FINDS/FRS

Registry ID: 110061092767
FIPS Code: 17097
HUC Code: 07120004
Site Type Name: STATIONARY
Location Description:
Supplemental Location:
Create Date: 16-OCT-2014 09:12:00
Update Date:
Interest Types: STATE MASTER
SIC Codes:
SIC Code Descriptions:
NAICS Codes:
NAICS Code Descriptions:
Conveyor: FRS-GEOCODE
Federal Facility Code:
Federal Agency Name:
Tribal Land Code:
Tribal Land Name:
Congressional Dist No.: 10
Census Block Code: 170318030101003
EPA Region Code: 05
County Name: LAKE
US/Mexico Border Ind:
Latitude: 42.150362
Longitude: -87.95916
Reference Point: ENTRANCE POINT OF A FACILITY OR STATION
Coord Collection Method: ADDRESS MATCHING-HOUSE NUMBER
Accuracy Value: 50
Datum: NAD83
Source:
Facility Detail Rprt URL: http://ofmpub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110061092767
Program Acronyms:

ACES:170002056012

Site: ***ROSEGLEN SUBDIVISION***
BUFFALO GROVE RD BUFFALO GROVE IL 60089

FINDS/FRS

Registry ID: 110061094890
FIPS Code: 17097
HUC Code:
Site Type Name: STATIONARY
Location Description:
Supplemental Location:
Create Date: 16-OCT-2014 09:19:31
Update Date:
Interest Types: STATE MASTER
SIC Codes:
SIC Code Descriptions:
NAICS Codes:
NAICS Code Descriptions:
Conveyor:
Federal Facility Code:
Federal Agency Name:
Tribal Land Code:
Tribal Land Name:
Congressional Dist No.:

Census Block Code:
EPA Region Code: 05
County Name: LAKE
US/Mexico Border Ind:
Latitude:
Longitude:
Reference Point:
Coord Collection Method:
Accuracy Value:
Datum: NAD83
Source:
Facility Detail Rprt URL: http://ofmpub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110061094890
Program Acronyms:

ACES:170002058270

Site: ***PLOTE INC.***
LAKE-COOK RD. W. OF PORTWINE WHEELING IL 60090 FINDS/FRS

Registry ID: 110007051858
FIPS Code: 17031
HUC Code:
Site Type Name: STATIONARY
Location Description:
Supplemental Location:
Create Date: 01-MAR-2000 00:00:00
Update Date: 09-JAN-2015 17:46:00
Interest Types: AIR MINOR, STATE MASTER
SIC Codes: 9999
SIC Code Descriptions: NONCLASSIFIABLE ESTABLISHMENTS
NAICS Codes: 212312
NAICS Code Descriptions: CRUSHED AND BROKEN LIMESTONE MINING AND QUARRYING.
Conveyor:
Federal Facility Code:
Federal Agency Name:
Tribal Land Code:
Tribal Land Name:
Congressional Dist No.:
Census Block Code:
EPA Region Code: 05
County Name: COOK
US/Mexico Border Ind:
Latitude:
Longitude:
Reference Point:
Coord Collection Method:
Accuracy Value:
Datum: NAD83
Source:
Facility Detail Rprt URL: http://ofmpub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110007051858
Program Acronyms:

ACES:170000065809, AIR:IL000031823AAN, AIRS/AFS:1703103388

Site: ***FEDERAL EXPRESS***
1100 LAKE COOK RD BUFFALO GROVE IL 60089 FINDS/FRS

Registry ID: 110005875758
FIPS Code: 17111
HUC Code: 07120004
Site Type Name: STATIONARY
Location Description:
Supplemental Location:
Create Date: 01-MAR-2000 00:00:00
Update Date: 11-DEC-2014 14:56:29

Interest Types:	STATE MASTER, UNSPECIFIED UNIVERSE
SIC Codes:	
SIC Code Descriptions:	
NAICS Codes:	
NAICS Code Descriptions:	
Conveyor:	FRS-GEOCODE
Federal Facility Code:	
Federal Agency Name:	
Tribal Land Code:	
Tribal Land Name:	
Congressional Dist No.:	10
Census Block Code:	170318030102003
EPA Region Code:	05
County Name:	MCHENRY
US/Mexico Border Ind:	
Latitude:	42.15353
Longitude:	-87.97872
Reference Point:	CENTER OF A FACILITY OR STATION
Coord Collection Method:	ADDRESS MATCHING-HOUSE NUMBER
Accuracy Value:	30
Datum:	NAD83
Source:	
Facility Detail Rprt URL:	http://ofmpub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110005875758
Program Acronyms:	

ACES:170000485981, ACES:170000657572, ACES:170001498582, RCRAINFO:ILD984788091

Site: ***CHEVY CHASE SEWER & WATER CO***
RTE 21, .5 M N OF LAKE-COOK RD WHEELING IL 60090

FINDS/FRS

Registry ID:	110054184654
FIPS Code:	17097
HUC Code:	
Site Type Name:	STATIONARY
Location Description:	
Supplemental Location:	
Create Date:	21-NOV-2012 13:30:14
Update Date:	29-DEC-2014 15:24:31
Interest Types:	STATE MASTER
SIC Codes:	
SIC Code Descriptions:	
NAICS Codes:	
NAICS Code Descriptions:	
Conveyor:	
Federal Facility Code:	
Federal Agency Name:	
Tribal Land Code:	
Tribal Land Name:	
Congressional Dist No.:	
Census Block Code:	
EPA Region Code:	05
County Name:	LAKE
US/Mexico Border Ind:	
Latitude:	
Longitude:	
Reference Point:	
Coord Collection Method:	
Accuracy Value:	
Datum:	NAD83
Source:	
Facility Detail Rprt URL:	http://ofmpub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110054184654
Program Acronyms:	

ACES:170001957407

Site: ***E & J PRECISION MACHINING INC***
905 UNIVERSITY DR ARLINGTON HEIGHTS IL 60004-1823

FINDS/FRS

Registry ID:	110003052712
FIPS Code:	17031
HUC Code:	07120004
Site Type Name:	STATIONARY
Location Description:	
Supplemental Location:	
Create Date:	01-MAR-2000 00:00:00
Update Date:	26-JAN-2012 16:17:57
Interest Types:	SQG, STATE MASTER
SIC Codes:	
SIC Code Descriptions:	
NAICS Codes:	
NAICS Code Descriptions:	
Conveyor:	FRS-GEOCODE
Federal Facility Code:	
Federal Agency Name:	
Tribal Land Code:	
Tribal Land Name:	
Congressional Dist No.:	10
Census Block Code:	170318030052016
EPA Region Code:	05
County Name:	COOK
US/Mexico Border Ind:	
Latitude:	42.13268
Longitude:	-87.99431
Reference Point:	CENTER OF A FACILITY OR STATION
Coord Collection Method:	ADDRESS MATCHING-HOUSE NUMBER
Accuracy Value:	30
Datum:	NAD83
Source:	
Facility Detail Rprt URL:	http://ofmpub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110003052712
Program Acronyms:	

ACES:170000183423, RCRAINFO:ILR000066969

Site: ***NORTH SHORE GAS CO***
15500 LAKE-COOK ROAD BUFFALO GROVE IL 60089

FINDS/FRS

Registry ID:	110001801373
FIPS Code:	17097
HUC Code:	07120004
Site Type Name:	STATIONARY
Location Description:	
Supplemental Location:	
Create Date:	01-MAR-2000 00:00:00
Update Date:	01-JUN-2017 17:15:34
Interest Types:	AIR EMISSIONS CLASSIFICATION UNKNOWN, AIR MINOR, STATE MASTER
SIC Codes:	4923
SIC Code Descriptions:	NATURAL GAS TRANSMISSION AND DISTRIBUTION
NAICS Codes:	221210
NAICS Code Descriptions:	NATURAL GAS DISTRIBUTION.
Conveyor:	EIS
Federal Facility Code:	
Federal Agency Name:	
Tribal Land Code:	
Tribal Land Name:	
Congressional Dist No.:	10
Census Block Code:	170978645203001
EPA Region Code:	05
County Name:	LAKE
US/Mexico Border Ind:	
Latitude:	42.15393
Longitude:	-87.93617
Reference Point:	ACRES POINTS NOT REPRESENTED BY 101-107
Coord Collection Method:	INTERPOLATION-PHOTO

Accuracy Value: 15
Datum: NAD83
Source:
Facility Detail Rprt URL: http://ofmpub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110001801373
Program Acronyms:

ACES:170000104241, AIR:IL000097418AAF, AIRS/AFS:1709700213, EIS:5390711

Site: ***COOK COUNTY HWY DEPT***
LAKE COOK RD & WI CENTRAL RR WHEELING IL 60090

FINDS/FRS

Registry ID: 110024856798
FIPS Code: 17031
HUC Code:
Site Type Name: STATIONARY
Location Description:
Supplemental Location:
Create Date: 10-JUN-2006 11:23:27
Update Date: 16-MAY-2008 11:07:34
Interest Types: STATE MASTER
SIC Codes:
SIC Code Descriptions:
NAICS Codes:
NAICS Code Descriptions:
Conveyor:
Federal Facility Code:
Federal Agency Name:
Tribal Land Code:
Tribal Land Name:
Congressional Dist No.:
Census Block Code:
EPA Region Code: 05
County Name: COOK
US/Mexico Border Ind:
Latitude:
Longitude:
Reference Point:
Coord Collection Method:
Accuracy Value:
Datum: NAD83
Source:
Facility Detail Rprt URL: http://ofmpub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110024856798
Program Acronyms:

ACES:170000406692

Site: ***GLORIA JEANS COFFEE BEAN CORP.***
845 UNIVERSITY DR. ARLINGTON HEIGHTS IL 60004-1821

FINDS/FRS

Registry ID: 110010301798
FIPS Code: 17031
HUC Code: 07120004
Site Type Name: STATIONARY
Location Description:
Supplemental Location:
Create Date: 01-MAR-2000 00:00:00
Update Date: 09-JAN-2015 19:12:34
Interest Types: AIR MINOR, STATE MASTER
SIC Codes: 2095
SIC Code Descriptions: ROASTED COFFEE
NAICS Codes: 311920
NAICS Code Descriptions: COFFEE AND TEA MANUFACTURING.
Conveyor: FRS-GEOCODE
Federal Facility Code:
Federal Agency Name:

Tribal Land Code:
Tribal Land Name:
Congressional Dist No.: 10
Census Block Code: 170318030052016
EPA Region Code: 05
County Name: COOK
US/Mexico Border Ind:
Latitude: 42.132688
Longitude: -87.99278
Reference Point: ENTRANCE POINT OF A FACILITY OR STATION
Coord Collection Method: ADDRESS MATCHING-HOUSE NUMBER
Accuracy Value: 50
Datum: NAD83
Source:
Facility Detail Rprt URL: http://ofmpub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110010301798
Program Acronyms:

ACES:170000012616, AIR:IL000031009AEC, AIRS/AFS:1703100060

Site: ***BRIDGE***
W JEFFERY OVER BUFFALO CREEK WHEELING IL 60090

FINDS/FRS

Registry ID: 110060382241
FIPS Code: 17031
HUC Code:
Site Type Name: STATIONARY
Location Description:
Supplemental Location:
Create Date: 16-SEP-2014 08:06:51
Update Date:
Interest Types: STATE MASTER
SIC Codes:
SIC Code Descriptions:
NAICS Codes:
NAICS Code Descriptions:
Conveyor:
Federal Facility Code:
Federal Agency Name:
Tribal Land Code:
Tribal Land Name:
Congressional Dist No.:
Census Block Code:
EPA Region Code: 05
County Name: COOK
US/Mexico Border Ind:
Latitude:
Longitude:
Reference Point:
Coord Collection Method:
Accuracy Value:
Datum: NAD83
Source:
Facility Detail Rprt URL: http://ofmpub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110060382241
Program Acronyms:

ACES:170002052631

Site: ***SEXTON COMPANIES***
PARKVIEW/GOLFVIEW TERRACE BUFFALO GROVE IL 60089

FINDS/FRS

Registry ID: 110018061292
FIPS Code: 17031
HUC Code:
Site Type Name: STATIONARY
Location Description:

Supplemental Location:
Create Date: 18-OCT-2004 11:51:56
Update Date: 29-DEC-2014 13:12:28
Interest Types: STATE MASTER
SIC Codes:
SIC Code Descriptions:
NAICS Codes:
NAICS Code Descriptions:
Conveyor:
Federal Facility Code:
Federal Agency Name:
Tribal Land Code:
Tribal Land Name:
Congressional Dist No.:
Census Block Code:
EPA Region Code: 05
County Name: COOK
US/Mexico Border Ind:
Latitude:
Longitude:
Reference Point:
Coord Collection Method:
Accuracy Value:
Datum: NAD83
Source:
Facility Detail Rprt URL: http://ofmpub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110018061292
Program Acronyms:

ACES:170001530323

Site: ***FREUND INTERNATIONAL***
BUFFALO GROVE RD BUFFALO GROVE IL 60089

FINDS/FRS

Registry ID: 110018471679
FIPS Code: 17031
HUC Code:
Site Type Name: STATIONARY
Location Description:
Supplemental Location:
Create Date: 19-OCT-2004 19:54:53
Update Date: 29-DEC-2014 13:25:17
Interest Types: STATE MASTER
SIC Codes:
SIC Code Descriptions:
NAICS Codes:
NAICS Code Descriptions:
Conveyor:
Federal Facility Code:
Federal Agency Name:
Tribal Land Code:
Tribal Land Name:
Congressional Dist No.:
Census Block Code:
EPA Region Code: 05
County Name: COOK
US/Mexico Border Ind:
Latitude:
Longitude:
Reference Point:
Coord Collection Method:
Accuracy Value:
Datum: NAD83
Source:
Facility Detail Rprt URL: http://ofmpub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110018471679
Program Acronyms:

ACES:170000485972

Site:

EAST LAKE/COOK RD BUFFALO GROVE IL

HMIRS

Incident County: COOK

HMIR Incident Reports

Report No:	I-1994041246	***Fed DOT Agency Nm:***	
Report Type:	A hazardous material incident	***Fed DOT Report No:***	
Date of Incident:	04/14/1994	***Report Submit Src:***	Paper
Time of Incident:	1315	***Inc Multiple Rows:***	No
Haz Class Code:	3	***Inc Non US State:***	
Hazardous Class:	FLAMMABLE - COMBUSTIBLE LIQUID	***Mode Transport:***	Highway
Commodity Short Nm:	GASOLINE INCLUDES GASOLI	***Transport Phase:***	UNLOADING
Commodity Long Nm:	GASOLINE INCLUDES GASOLINE MIXED WITH ETHYL ALCOHOL WITH NOT MORE THAN 10% ALCOHOL	***Incident Occrrnce:***	
Trade Name:		***Mat Ship Approval?:***	No
ID No:	UN1203	***Mat Ship Approv No:***	
Haz Waste Ind:	No	***Undecl Hazmat Ship?:***	No
Haz Waste EPA No:		***Packaging Type:***	Cargo Tank Motor Vehicle (CTMV)
HMIS Tox Inhalation?:	No	***Packing Group:***	
TIH Hazard Zone:		***Carrier Reporter:***	SHELL OIL COMPANY
Qty Released:	277	***CR Street Name:***	150 N DAIRY ASHFORD RD A
Unit of Measure:	LGA	***CR City:***	HOUSTON
What Failed:		***CR State:***	TX
What Failed Desc:		***CR Postal Code:***	77079-1116
How Failed Code:		***CR Non US State:***	
How Failed Desc:		***CR Fed DOT ID:***	0
Failure Cause Code:	508	***CR Hazmat Reg ID:***	
Failure Cause Desc:	Defective Component or Device	***CR Country:***	US
Ident. Markings:		***Shipper Name:***	SHELL OIL COMPANY
Cont1 Pkging Type:		***Shipper Street Name:***	150 N DAIRY ASHFORD RD A
Cont1 Const Mat:		***Shipper City:***	HOUSTON
Cont1 Head Type:		***Shipper State:***	TX
Cont1 Pkg Capacity:	9000	***Shipper Postal:***	77079-1116
C1 Capacity UOM:	LGA	***Shipper Non US St:***	
Cont1 Pkg Amt:		***Shipper Country:***	US
C1 Pkg Amt UOM:		***Shipper Waybill:***	BL# 225333
Cont1 Pkg No:	1	***Ship Hazmat Reg ID:***	
C1 Pkg NO Failed:	1	***Origin City:***	ARLINGTON HEIGHTS
Cont1 Pkg Mnfctr:	HEIL COMPANY	***Origin State:***	ILLINOIS
Cont1 Pkg Mnfct Dt:		***Origin Postal:***	60005
Cont1 Pkg Serial NO:	1HLA3A7B25	***Origin Non US St:***	
C1 Pkg Last Test Dt:		***Origin Country:***	US
C1 Test Const Mat:		***Destination City:***	BUFFALO GROVE
C1 Pkg Dsign Pres.:		***Destination State:***	ILLINOIS
C1 Dsign Press UOM:		***Destination Postal:***	
C1 Pkg Shell Thick:		***Destination Non US:***	
C1 Shell Thick UOM:		***Destination Country:***	US
C1 Head Thickness:		***Cont2 Package Type:***	
C1 Head Thick UOM:		***Cont2 Const Mat:***	
C1 Pkg Srvc Pres.:		***Cont2 Pkg Capacity:***	
C1 Srvc Press UOM:		***Cont2 Capacity UOM:***	
C1 Valve/Device Fail?:	No	***Cont2 Pkg Amount:***	
C1 Device Type:		***Cont2 Pkg Amt UOM:***	
C1 Device Mnfctr:		***Cont2 Pkg No:***	
C1 Device Model:		***Cont2 Pkg No Failed:***	
NRC No:			
RAM Pkg Category:		***Haz NonHosp Public:***	0
RAM Pkg Cert.:	FALSE	***Haz NonHosp Old:***	0
RAM Pkg Cert. NBR:		***Tot Haz Non Hosp Inj:***	0
RAM Nuclide S:		***Total Hazmat Injuries:***	0
RAM Transport Index:		***Evacuation Indicator:***	No
RAM UOM:		***Public Evacuated:***	0
RAM Activity Rpted:		***Employees Evac:***	0

RAM UOM Rpted:		***Total Evacuated:***	0
RAM Activity:		***Total Evacuation Hrs:***	0
RAM Activity UOM:		***Major Artery Closed:***	No
RAM Mat Safety:		***Mjr Artery Hrs Closed:***	0
Spillage Result:	Yes	***Material Involved:***	No
Fire Result:	No	***Estimated Speed:***	0
Explosion Result:	No	***Weather Conditions:***	
Water Sewer Result:	No	***Vehicle Overturn:***	No
Gas Dispersion:	No	***Vehicle Left Roadway:***	No
Environment Damage:	No	***Passenger Aircraft:***	No
No Release Result:	No	***Cargo Baggage:***	
Fire EMS Report:	No	***Ship Non Transport:***	No
Fire EMS EMS Report:		***Ship Air First Flight:***	No
Police Report:	No	***Ship Air Subflight:***	No
Police Report No:		***Ship Init Transport:***	No
In House Cleanup:	No	***Ship Phase Transfer:***	No
Other Cleanup:	No	***Contact Name:***	R M HERRERA
Damage > 500:	Yes	***Contact Title:***	PCT SUPT
Material Loss:	192	***Contact Business:***	
Carrier Damage:	0	***Contact Street:***	
Property Damage:	0	***Contact City:***	
Response Cost:	0	***Contact State:***	
Remediation Cost:	1200	***Contact Postal:***	
Damage Old Form:	0	***Contact Non US St:***	
Total Damages Amt:	1392	***Contact Country:***	US
Hazmat Fatality:	No	***Inc. Report Prepared:***	
Haz Fatal Employees:	0	***HMIS Serious Incidnt:***	Yes
Haz Fatal Respndrs:	0	***HMIS Serious Fatality:***	No
Haz Fatal Gen Public:	0	***HMIS Serious Injury:***	No
Tot Hazmat Fatalities:	0	***HMIS Flight Plan:***	No
Non Hazmat Fatality:	No	***HMIS Serious Evacs:***	No
Non Hazmat Fatals:	0	***HMIS Major Artery:***	No
Hazmat Injury:	No	***HMIS Bulk Release:***	Yes
Haz Hospital Empl:	0	***HMIS Marine Pollutnt:***	No
Haz Hospital Resp:	0	***HMIS Radioactive:***	No
Haz Hosp Gen Public:	0	***HMIS Gen Pkg Type:***	OHMIR.Ref_Container.descr_txt
Haz Hosp Old Form:	0	***HMIS Container Code:***	MC306
Total Haz Hosp Inj:	0	***HMIS Container Desc:***	Cargo tanks
Haz Non Hosp Empl:	0	***HMIS Bulk Incident:***	Yes
Haz Non Hosp Resp:	0	***Undeclared Shipment:***	No

Description of Events: WHILE THE CARGO TANKER WAS UNLOADING OF THE SCOTTVILLE STATION THE OVERFILL PROTECTION FLAP ON THE UNDERGROUND STORAGE TANK PREMATURELY CLOSED CAUSING THE DROP FITTING TO COME LOOSE FROM THE FILL-UP. THE FITTING TURNED SIDEWAYS ALLOWING GASOLINE TO SPILL ONTO THE STATION PARKING LOT. THE DRAWER CLOSED ALL OF THE UNLOADING VALVES IMMEDIATELY. BUFFALO GROVE FIRE DEPARTMENT WAS CALLED. HERITAGE ENVIRONMENTAL WAS CALLED OUT TO PERFORM CLEAN-UP. SHELL OIL RETAIL ENGINEERING IS INVESTIGATING CORRECTION ACTION.

Recommend Actions Taken:

Site: ***NORTH SHORE GAS CO***
1350 LAKE-COOK RD BUFFALO GROVE IL 60089

ICIS

EPA Region:	05	***Federal Facility ID:***	
FRS Facility UIN:	110001801373	***Tribal Land Code:***	
Program Syst ID:	IL000097418AAF	***County:***	Lake
Prog Sys Acrnym:	AIR	***Latitude:***	42.153787
Permit Type:		***Longitude:***	-87.936152

--Details--

EA Identifier:		***Enf Act Forum Dsc:***	
EA Type Code:		***Fac NAICS Code:***	221210
EA Type Desc:		***Facility SIC Code:***	4923
EA Name:			

Site: ***PROFILE PRODUCTS LLC***
750 LAKE COOK ROAD BUFFALO GROVE IL 60089

PRP

Site EPA ID: GAD981258270
Site Name: CONSTITUTION ROAD DRUM SITE
Site NPL Status: Not on the NPL
Site Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

Noticed Party Action Information

Action Type Seq: AC-1
Action Name: ADM ORDR
Action Date: SETTLEMENT DATE 09/26/2006

Site: ***DELTA SONIC TINLEY PARK***
159TH ST AND OAK PARK DR BUFFALO GROVE IL 60089

RCRA CESQG

EPA Handler ID: ILD984792473
Gen Status Universe: Conditionally Exempt Small Quantity Generator
Contact Name: BRUCE NATALIZIA
Contact Address: 5701 DELAWARE AVE , , BUFFALO , NY, 14202 , US
Contact Phone No and Ext: 716-886-0931
Contact Email:
Contact Country: US
County Name: COOK
EPA Region: 05
Land Type:
Receive Date: 19900727

Violation/Evaluation Summary

Note: NO RECORDS: As of Mar 2019, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 19900727
Handler Name: DELTA SONIC TINLEY PARK
Generator Status Universe: Conditionally Exempt Small Quantity Generator
Source Type: Notification

Waste Code Details

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Site: ***COOK COUNTY BRIDGE***
LAKE COOK RD OVR WI CENTRAL RR WHEELING IL 60090

RCRA NON GEN

EPA Handler ID: ILR000112136
Gen Status Universe: No Report
Contact Name: ENV COORDINATOR
Contact Address: US
Contact Phone No and Ext: 312-603-1740
Contact Email:
Contact Country: US
County Name: COOK
EPA Region: 05
Land Type: County
Receive Date: 20060401

Violation/Evaluation Summary

Note: NO RECORDS: As of Mar 2019, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 20060401
Handler Name: COOK COUNTY BRIDGE
Generator Status Universe: No Report
Source Type: Annual/Biennial Report update with Notification

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 20020501
Handler Name: COOK COUNTY BRIDGE
Generator Status Universe: No Report
Source Type: Notification

Waste Code Details

Hazardous Waste Code: D008
Waste Code Description: LEAD

Owner/Operator Details

Owner/Operator Ind: Current Owner
Type: County
Name: COOK COUNTY BRIDGE
Date Became Current: 19000101
Date Ended Current:
Phone:
Street No:
Street 1:
Street 2:
City:
State:
Country: US

Source Type:	Annual/Biennial Report update with Notification	***Zip Code:***	
Owner/Operator Ind:	Current Owner	***Street No:***	
Type:	County	***Street 1:***	69 W WASHINGTON
Name:	COOK COUNTY HIGHWAY DEPT	***Street 2:***	
Date Became Current:		***City:***	CHICAGO
Date Ended Current:		***State:***	IL
Phone:	312-603-1740	***Country:***	
Source Type:	Notification	***Zip Code:***	60602
Owner/Operator Ind:	Current Operator	***Street No:***	
Type:	County	***Street 1:***	
Name:	COOK COUNTY BRIDGE	***Street 2:***	
Date Became Current:	19000101	***City:***	
Date Ended Current:		***State:***	
Phone:		***Country:***	US
Source Type:	Annual/Biennial Report update with Notification	***Zip Code:***	

Site: ***MOTOROLA INC***
852 TO 890 HASTINGS LAKE BUFFALO GROVE IL 60089

RCRA NON GEN

EPA Handler ID:	ILD984804971
Gen Status Universe:	No Report
Contact Name:	ENV COORDINATOR
Contact Address:	US
Contact Phone No and Ext:	847-632-7700
Contact Email:	
Contact Country:	US
County Name:	LAKE
EPA Region:	05
Land Type:	Private
Receive Date:	20060401

Violation/Evaluation Summary

Note: NO RECORDS: As of Mar 2019, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility:	No
Onsite Burner Exemption:	No
Furnace Exemption:	No
Underground Injection Activity:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	20060401
Handler Name:	MOTOROLA INC
Generator Status Universe:	No Report
Source Type:	Annual/Biennial Report update with Notification

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 19920301
Handler Name: MOTOROLA INC
Generator Status Universe: No Report
Source Type: Annual/Biennial Report

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 19901015
Handler Name: MOTOROLA INC
Generator Status Universe: No Report
Source Type: Notification

Waste Code Details

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Owner/Operator Details

Owner/Operator Ind:	Current Owner	***Street No:***	
Type:	Private	***Street 1:***	
Name:	MOTOROLA INC	***Street 2:***	
Date Became Current:	19000101	***City:***	
Date Ended Current:		***State:***	
Phone:		***Country:***	US
Source Type:	Annual/Biennial Report update with Notification	***Zip Code:***	

Owner/Operator Ind:	Current Operator	***Street No:***	
Type:	Private	***Street 1:***	
Name:	MOTOROLA INC	***Street 2:***	
Date Became Current:	19000101	***City:***	
Date Ended Current:		***State:***	
Phone:		***Country:***	US
Source Type:	Annual/Biennial Report update with Notification	***Zip Code:***	

Owner/Operator Ind:	Current Owner	***Street No:***	
Type:	Private	***Street 1:***	
Name:	CHEVY CHASE BUSINESS PK LTD PT	***Street 2:***	
Date Became Current:		***City:***	
Date Ended Current:		***State:***	
Phone:		***Country:***	
Source Type:	Notification	***Zip Code:***	

Site: ***E AND J PRECISION MACHINING INC***
905 UNIVERSITY DR ARLINGTON HEIGHTS IL 60004

RCRA SQG

EPA Handler ID: ILR000066969
Gen Status Universe: Small Quantity Generator
Contact Name: ED PRZEPALKOWSKI
Contact Address: 905 UNIVERSITY DR , , ARLINGTON HEIGHTS , IL, 60004 , US
Contact Phone No and Ext: 815-344-4605
Contact Email:
Contact Country: US
County Name: COOK
EPA Region: 05
Land Type: Private
Receive Date: 19990827

Violation/Evaluation Summary

Note: NO RECORDS: As of Mar 2019, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility:	No
Onsite Burner Exemption:	No
Furnace Exemption:	No
Underground Injection Activity:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	19990827
Handler Name:	E AND J PRECISION MACHINING INC
Generator Status Universe:	Small Quantity Generator
Source Type:	Notification

Waste Code Details

Hazardous Waste Code:	D001
Waste Code Description:	IGNITABLE WASTE

Owner/Operator Details

Owner/Operator Ind:	Current Owner	***Street No:***	
Type:	Private	***Street 1:***	3719 WINDMERE
Name:	PRZEPALKOWSKI ED	***Street 2:***	
Date Became Current:		***City:***	JOHNSBURG
Date Ended Current:		***State:***	IL
Phone:	815-344-4605	***Country:***	
Source Type:	Notification	***Zip Code:***	60050

Site: ***COLORFAST***
845 UNIVERSITY DR ARLINGTON HEIGHTS IL 60004

RCRA SQG

EPA Handler ID:	ILD981194707
Gen Status Universe:	Small Quantity Generator
Contact Name:	DAVE SUCHECKI
Contact Address:	845 UNIVERSITY DR , , ARLINGTON HEIGHTS , IL, 60004 , US
Contact Phone No and Ext:	312-577-7185
Contact Email:	
Contact Country:	US
County Name:	COOK
EPA Region:	05
Land Type:	
Receive Date:	19860306

Violation/Evaluation Summary

Note:	NO RECORDS: As of Mar 2019, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No

Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 19860306
Handler Name: COLORFAST
Generator Status Universe: Small Quantity Generator
Source Type: Notification

Waste Code Details

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Owner/Operator Details

Owner/Operator Ind: Current Owner
Type: Private
Name: VANRIET FRED
Date Became Current:
Date Ended Current:
Phone: 312-555-1212
Source Type: Notification
Street No:
Street 1: ADDRESS NOT REPORTED
Street 2:
City: CITY NOT REPORTED
State: AK
Country:
Zip Code: 99998

Owner/Operator Ind: Current Operator
Type: Private
Name: NAME NOT REPORTED
Date Became Current:
Date Ended Current:
Phone: 312-555-1212
Source Type: Notification
Street No:
Street 1: ADDRESS NOT REPORTED
Street 2:
City: CITY NOT REPORTED
State: AK
Country:
Zip Code: 99998

Site: ***KANEY TRANSPORTATION INC.***
MCHENRY RD. & LAKE COOK R BUFFALO GROVE IL

SPILLS

Incident No: 940040
Date/Time Occurred: 01/06/94 1045
County: LAKE
Milepost:
Section:
Township:
Range:
Responsible Party Street:
Area Involved: FIXED FACILITY
Latitude:
Longutude:
Media Release:
Facility Manager:
Fac Manager Phone:

Hazardous Materials Incident Report

Incident Report Date: 1/6/1994 1:14:00 PM
Street Address: MCHENRY RD. & LAKE COOK R
City: BUFFALO GROVE
County: LAKE
Entered by:
Data Input Status: CLOSED
Date Entered:
LUST?:
Caller: GARY HOLTE
Caller Represents: KANEY TRANSPORTATION INC.
Hazmat Incident Type: SPILL
URL: https://public.iema.state.il.us/FOIAHazmatSearch/HazmatDetails.aspx?RptNum=940040

Materials Involved

Name:	GASOLINE	***Cause of Release:***	MECHANICAL FAILURE
Type:	UNKNOWN	***Est Spill Extent:***	
CHRIS CODE:		***Spill Extent Units:***	
CAS No:		***Date/Time Inc Occur:***	01/06/94 1045
UN/NA No:		***Unknown Occurr:***	
Container Type:	UNDERGROUND TANK	***Date/Time Discov:***	
Container Size:	UNDERGROUND TANK	***Unknown Discovered:***	
Amount Released:	40 GAL.	***Where Taken:***	-0-
Rate of Release Min:		***On Scene Contact:***	
Duration of Release:		***No of People Evacuat:***	-0-
A 302(a) Extremely Haz Sub?:			
A RCRA Hazardous Waste?:			
A RCRA Regulated Facility?:			
Public Health Risks:	-0-		
State Agency Assistance:			
Containment/Cleanup Plans:			

Site: ***R.A. Peterson***
750 Lake Cook Rd Buffalo Grove IL

SPILLS

Incident No:	H-2012-0547	***Area Involved:***	Fixed Facility
Date/Time Occurred:	2012-05-28 08:00	***Latitude:***	
County:	Lake	***Longutude:***	
Milepost:		***Media Release:***	Water
Section:		***Facility Manager:***	Jim Kelly
Township:		***Fac Manager Phone:***	847/833-7805
Range:			
Responsible Party Street:	1951 North 25th Ave.		

Hazardous Materials Incident Report

Incident Report Date:	5/30/2012 10:19:25 PM	***Date Entered:***	
Street Address:	750 Lake Cook Rd	***LUST?:***	No
City:	Buffalo Grove	***Caller:***	Martha Curnow
County:	Lake	***Caller Represents:***	Hamilton Partners
Entered by:	DeHeve, Joshua (IEMA)	***Hazmat Incident Type:***	Leak or spill
Data Input Status:	Closed		
URL:	https://public.iema.state.il.us/FOIAHazmatSearch/HazmatDetails.aspx?RptNum=H-2012-0547		

Weather Information

Temp:	N/A	***Wind:***	N/A

Materials Involved

Name:	Seal Coating	***Cause of Release:***	New pavement being placed and this coating was applied.
Type:	Liquid	***Est Spill Extent:***	Unknown
CHRIS CODE:	Unknown	***Spill Extent Units:***	
CAS No:	Unknown	***Date/Time Inc Occur:***	2012-05-28 08:00
UN/NA No:	Unknown	***Unknown Occurr:***	
Container Type:	Above ground storage tank	***Date/Time Discov:***	2012-05-30 15:00
Container Size:	Unknown	***Unknown Discovered:***	
Amount Released:	Unknown	***Where Taken:***	N/A
Rate of Release Min:	Unknown	***On Scene Contact:***	Martha Curnow
Duration of Release:	Unknown	***No of People Evacuat:***	0
A 302(a) Extremely Haz Sub?:	Unknown		
A RCRA Hazardous Waste?:	Unknown		
A RCRA Regulated Facility?:	Unknown		
Public Health Risks:	Yes		
State Agency Assistance:	None		
Containment/Cleanup Plans:	Environmental Restoration LLC isolating by placing booms and removing fish.		

Agency or Persons Notified

Agency:	IEPA, NRTP, IEMA Region 4	***Name of Person:***	Emailed
Date/Time:	2012-05-30 22:30	***Notification Action:***	Report Sent
Agency:	IDNR, OSFM, Chicago FD	***Name of Person:***	Emailed
Date/Time:	2012-05-30 22:30	***Notification Action:***	Report Sent
Agency:	IEPA D/O	***Name of Person:***	Roger Lauder
Date/Time:	2012-05-30 22:25	***Notification Action:***	Contacted
Agency:	IDNR Conservation D/O	***Name of Person:***	Joe Morelock (left msg)
Date/Time:	2012-05-30 22:23	***Notification Action:***	

Site: ***#1***
1520 ST. CHARLES BELLWOOD 60104 IL

SPILLS

Incident No:	H 2000 2235	***Area Involved:***	FIXED FACILITY
Date/Time Occurred:	Unknown @	***Latitude:***	
County:	COOK	***Longutude:***	
Milepost:		***Media Release:***	
Section:		***Facility Manager:***	
Township:		***Fac Manager Phone:***	
Range:			

Responsible Party Street: 1520 ST. CHARLES BELLWOOD IL 60104

Hazardous Materials Incident Report

Incident Report Date:	11/21/2000 12:00:00 AM	***Date Entered:***	
Street Address:	1520 ST. CHARLES	***LUST?:***	
City:	BELLWOOD 60104	***Caller:***	
County:	COOK	***Caller Represents:***	
Entered by:		***Hazmat Incident Type:***	LEAK OR SPILL
Data Input Status:	CLOSED		

URL: https://public.iema.state.il.us/FOIAHazmatSearch/HazmatDetails.aspx?RptNum=H 2000 2235

Materials Involved

Name:	GASOLINE, DIESEL, AND WASTE OIL	***Cause of Release:***	1520 ST. CHARLES BELLWOOD IL 60104
Type:	LIQUID	***Est Spill Extent:***	UNKNOWN
CHRIS CODE:		***Spill Extent Units:***	
CAS No:		***Date/Time Inc Occur:***	Unknown @
UN/NA No:		***Unknown Occurr:***	
Container Type:	UNDERGROUND TANK	***Date/Time Discov:***	11/21/2000 @ 12:00
Container Size:	3-3000 GALLONS (GASOLINE) 1 2000 GALLONS (DIESEL) 1 500 GALLONS (WASTE OIL)	***Unknown Discovered:***	
Amount Released:	UNKOWN	***Where Taken:***	
Rate of Release Min:	UNKNOWN	***On Scene Contact:***	#1
Duration of Release:		***No of People Evacuat:***	NONE

A 302(a) Extremely Haz Sub?:
A RCRA Hazardous Waste?:
A RCRA Regulated Facility?:
Public Health Risks: NONE
State Agency Assistance: NONE
Containment/Cleanup Plans: UNITED ENVIRONEMENTAL CONSULTANTS WILL BE HANDLING THE CLEAN-UP

Emergency Units Contacted

Contacted ESDA?:		***Name of Police Dep:***	
ESDA on Scene?:		***Sheriff Police Dep?:***	
Spec ESDA Agency:		***Sheriff Dep on Scene:***	
Contacted Fire Dep?:		***Name of Sheriff Dep:***	
Fire Dep on Scene?:		***Other Agency ?:***	YES
Name of Fire Dep:		***Agency on Scene?:***	
Police Dep Contact?:		***Name of Agency:***	OSFM

Police Dep on Scene:

Narrative

Narrative:

OSFM, IEPA, IEMA REGION 4 **Note: Many records provided by the department have a truncated [Narrative] field.

Site: ***MOBILE OIL***
NEAR BUFFALO GROVE BUFFALO GROVE IL

SPILLS2

Incident ID: NL850868
Recieved Date: 7/12/1985
Action:
Action Descr:
Occured Date:
Incident Lust:
Incident County: COOK

Site: ***RAIN-RD CONSTRUCTION***
LAKE SIDE CIRCLE TOWN HOUSE COMPLEX WHEELING IL

SPILLS2

Incident ID: NL830407
Recieved Date: 5/29/1983
Action:
Action Descr:
Occured Date:
Incident Lust:
Incident County: COOK

Site: ***RAIN-RD CONSTRUCTION***
LAKE SIDE CIRCLE TOWN HOUSE COMPLEX WHEELING IL

SPILLS2

Incident ID: NL830407
Recieved Date: 5/28/1983
Action:
Action Descr:
Occured Date:
Incident Lust:
Incident County: COOK

Site: ***VILLAGE OF ARLINGTON HEIGHTS***
LAKE COOK ROAD [CREEK ON N. END NEAR TERRAMERE SUBDIVISION] ARLINGTON HEIGHTS IL

SPILLS2

Incident ID: NL850786
Recieved Date: 7/17/1985
Action:
Action Descr:
Occured Date:
Incident Lust:
Incident County: COOK

Site: ***MOBILE OIL***
NEAR BUFFALO GROVE BUFFALO GROVE IL

SPILLS2

Incident ID: NL850868
Recieved Date: 8/7/1985
Action:
Action Descr:
Occured Date:
Incident Lust:
Incident County: COOK

Site: ***TEMPO 2 CO.***
DEER VALLEY RD 1 MI N OF LAKE-COOK RD WHEELING IL

SPILLS2

Incident ID: NL810201
Recieved Date: 4/9/1981
Action:
Action Descr:
Occured Date:
Incident Lust:
Incident County: LAKE

Site: ***North Shore Gas - Lake Cook Road Station***
1350 Lake Cook Road Buffalo Grove IL 60089

TIER 2

LEPC:	Lake	***Owner Street:***	200 East Randolph Street
Report Year:	2017	***Owner City:***	Chicago
Facility State:	Illinois	***Owner State:***	IL
Facility County:	Lake	***Owner Zip Code:***	60601
Facility Fax:	7737425094	***Mailing Name:***	WEC Business Services
Facility Latitude:	42.1537	***Mailing Street:***	200 East Randolph Street
Facility Longitude:	-87.9362	***Mailing City:***	Chicago
Owner:	North Shore Gas	***Mailing State:***	IL
Owner Phone:	8472634601	***Mailing Zip Code:***	60601
Fire Dept:	Buffalo Grove Fire Department 2		

Tier II Details

Chemical CAS No:	107211	***Max Daily Amt (lbs):***	25,000-49,999
Chemical EHS:	No	***Avg Daily Amt (lbs):***	25,000-49,999
Chemical Contents:	Mixture, Liquid,	***Chemical Name:***	ETHYLENE GLYCOL/WATER
Chem Health Haz:	Immediate, Delayed,	***Facility Phone:***	8472634601
Corporate Name:	North Shore Gas - Lake Cook Road Station		

Site: ***Arboretum Golf Club***
401 Half Day RoadBuffalo Grove, IL 60089 IL

UST

Facility No:	2040875	***Green Tag Exp Dt:***	
Facility Status:	Exempt	***Mtr Fuel Perm Insp Dt:***	
Facility Type:	Golf Course	***Mtr Fuel Perm Exp Dt:***	
Motor Fuel Type:		***Fin Resp Rpt Due:***	
Green Tag Decal:		***County:***	Lake
Green Tag Issue Dt:			
Purchase Date:			
Type Financial Resp:			
Property Parcel:			
Owner Type:			
Owner Status:	Current Owner		
Owner Name:	Village of Buffalo Grove		
Owner Address:	50 Raupp BoulevardBuffalo Grove, IL 60089		
Facility URL:	http://webapps.sfm.illinois.gov/ustsearch/Facility.aspx?ID=2040875&PrintDetail=true		
Permit History Link:	https://webapps.sfm.illinois.gov/USTPortal/Permit/FacilityPermitList/2040875		

Tank Information

Tank No:	1	***Current Age:***	
Status:	Removed	***Product:***	Heating Oil
Removed Date:	4/29/2002	***Product Date:***	
Red Tag Issue Date:		***Petroleum Use:***	Consumptive Use on Premises
Abandoned Date:		***CERCLA Substance:***	
Install Date:		***Abandoned Material:***	
Last Used Date:	12/31/1973	***Fee Due:***	
Capacity:	1000	***OSFM First Noti Dt:***	6/4/2002
Regulated Status:	Exempt	***CAS Code:***	

Owner Summary

Owner No:	U0002106	***Owner Status:***	Current Owner
Owner Name:	Village of Buffalo Grove,	***Purchase Date:***	

Appendix: Database Descriptions

Environmental Risk Information Services (ERIS) can search the following databases. The extent of historical information varies with each database and current information is determined by what is publicly available to ERIS at the time of update. ERIS updates databases as set out in ASTM Standard E1527-13, Section 8.1.8 Sources of Standard Source Information:

"Government information from nongovernmental sources may be considered current if the source updates the information at least every 90 days, or, for information that is updated less frequently than quarterly by the government agency, within 90 days of the date the government agency makes the information available to the public."

Standard Environmental Record Sources

Federal

National Priority List: NPL

National Priorities List (Superfund)-NPL: EPA's (United States Environmental Protection Agency) list of the most serious uncontrolled or abandoned hazardous waste sites identified for possible long-term remedial action under the Superfund program. The NPL, which EPA is required to update at least once a year, is based primarily on the score a site receives from EPA's Hazard Ranking System. A site must be on the NPL to receive money from the Superfund Trust Fund for remedial action.

Government Publication Date: Feb 6, 2019

National Priority List - Proposed: PROPOSED NPL

Includes sites proposed (by the EPA, the state, or concerned citizens) for addition to the NPL due to contamination by hazardous waste and identified by the Environmental Protection Agency (EPA) as a candidate for cleanup because it poses a risk to human health and/or the environment.

Government Publication Date: Feb 6, 2019

Deleted NPL: DELETED NPL

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Government Publication Date: Feb 6, 2019

SEMS List 8R Active Site Inventory: SEMS

The Superfund Program has deployed the Superfund Enterprise Management System (SEMS), which integrates multiple legacy systems into a comprehensive tracking and reporting tool. This inventory contains active sites evaluated by the Superfund program that are either proposed to be or are on the National Priorities List (NPL) as well as sites that are in the screening and assessment phase for possible inclusion on the NPL. The Active Site Inventory Report displays site and location information at active SEMS sites. An active site is one at which site assessment, removal, remedial, enforcement, cost recovery, or oversight activities are being planned or conducted.

Government Publication Date: Feb 6, 2019

Inventory of Open Dumps, June 1985: ODI

The Resource Conservation and Recovery Act (RCRA) provides for publication of an inventory of open dumps. The Act defines "open dumps" as facilities which do not comply with EPA's "Criteria for Classification of Solid Waste Disposal Facilities and Practices" (40 CFR 257).

Government Publication Date: Jun 1985

SEMS List 8R Archive Sites: SEMS ARCHIVE

The Superfund Enterprise Management System (SEMS) Archived Site Inventory displays site and location information at sites archived from SEMS. An archived site is one at which EPA has determined that assessment has been completed and no further remedial action is planned under the Superfund program at this time.

Government Publication Date: Feb 6, 2019

Comprehensive Environmental Response, Compensation and Liability Information System - CERCLIS: CERCLIS

Superfund is a program administered by the United States Environmental Protection Agency (EPA) to locate, investigate, and clean up the worst hazardous waste sites throughout the United States. CERCLIS is a database of potential and confirmed hazardous waste sites at which the EPA Superfund program has some involvement. It contains sites that are either proposed to be or are on the National Priorities List (NPL) as well as sites that are in the screening and assessment phase for possible inclusion on the NPL. The EPA administers the Superfund program in cooperation with individual states and tribal governments; this database is made available by the EPA.

Government Publication Date: Oct 25, 2013

EPA Report on the Status of Open Dumps on Indian Lands: IODI

Public Law 103-399, The Indian Lands Open Dump Cleanup Act of 1994, enacted October 22, 1994, identified congressional concerns that solid waste open dump sites located on American Indian or Alaska Native (AI/AN) lands threaten the health and safety of residents of those lands and contiguous areas. The purpose of the Act is to identify the location of open dumps on Indian lands, assess the relative health and environment hazards posed by those sites, and provide financial and technical assistance to Indian tribal governments to close such dumps in compliance with Federal standards and regulations or standards promulgated by Indian Tribal governments or Alaska Native entities.

Government Publication Date: Dec 31, 1998

CERCLIS - No Further Remedial Action Planned: CERCLIS NFRAP

An archived site is one at which EPA has determined that assessment has been completed and no further remedial action is planned under the Superfund program at this time. The Archive designation means that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL). This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Government Publication Date: Oct 25, 2013

CERCLIS Liens: CERCLIS LIENS

A Federal Superfund lien exists at any property where EPA has incurred Superfund costs to address contamination ("Superfund site") and has provided notice of liability to the property owner. A Federal CERCLA ("Superfund") lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. This database is made available by the United States Environmental Protection Agency (EPA).

Government Publication Date: Jan 30, 2014

RCRA CORRACTS-Corrective Action: RCRA CORRACTS

RCRA Info is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. At these sites, the Corrective Action Program ensures that cleanups occur. EPA and state regulators work with facilities and communities to design remedies based on the contamination, geology, and anticipated use unique to each site.

Government Publication Date: Mar 4, 2019

RCRA non-CORRACTS TSD Facilities: RCRA TSD

RCRA Info is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. This database includes Non-Corrective Action sites listed as treatment, storage and/or disposal facilities of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA).

Government Publication Date: Mar 4, 2019

RCRA Generator List: RCRA LQG

RCRA Info is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Large Quantity Generators (LQGs) generate 1,000 kilograms per month or more of hazardous waste or more than one kilogram per month of acutely hazardous waste.

Government Publication Date: Mar 4, 2019

RCRA Small Quantity Generators List: RCRA SQG

RCRA Info is the EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Small Quantity Generators (SQGs) generate more than 100 kilograms, but less than 1,000 kilograms, of hazardous waste per month.

Government Publication Date: Mar 4, 2019

RCRA Conditionally Exempt Small Quantity Generators List: RCRA CESQG

RCRA Info is the EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Conditionally Exempt Small Quantity Generators (CESQG) generate 100 kilograms or less per month of hazardous waste or one kilogram or less per month of acutely hazardous waste.

Government Publication Date: Mar 4, 2019

RCRA Non-Generators: RCRA NON GEN

RCRA Info is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Non-Generators do not presently generate hazardous waste.

Government Publication Date: Mar 4, 2019

Federal Engineering Controls-ECs: FED ENG

Engineering controls (ECs) encompass a variety of engineered and constructed physical barriers (e.g., soil capping, sub-surface venting systems, mitigation barriers, fences) to contain and/or prevent exposure to contamination on a property. This database is made available by the United States Environmental Protection Agency (EPA).

Government Publication Date: Jan 20, 2016

Federal Institutional Controls- ICs: FED INST

Institutional controls are non-engineered instruments, such as administrative and legal controls, that help minimize the potential for human exposure to contamination and/or protect the integrity of the remedy. Although it is EPA's (United States Environmental Protection Agency) expectation that treatment or engineering controls will be used to address principal threat wastes and that groundwater will be returned to its beneficial use whenever practicable, ICs play an important role in site remedies because they reduce exposure to contamination by limiting land or resource use and guide human behavior at a site.

Government Publication Date: Jan 20, 2016

Emergency Response Notification System: ERNS 1982 TO 1986

Database of oil and hazardous substances spill reports controlled by the National Response Center. The primary function of the National Response Center is to serve as the sole national point of contact for reporting oil, chemical, radiological, biological, and etiological discharges into the environment anywhere in the United States and its territories.

Government Publication Date: 1982-1986

Emergency Response Notification System: ERNS 1987 TO 1989

Database of oil and hazardous substances spill reports controlled by the National Response Center. The primary function of the National Response Center is to serve as the sole national point of contact for reporting oil, chemical, radiological, biological, and etiological discharges into the environment anywhere in the United States and its territories.

Government Publication Date: 1987-1989

Emergency Response Notification System: ERNS

Database of oil and hazardous substances spill reports controlled by the National Response Center. The primary function of the National Response Center is to serve as the sole national point of contact for reporting oil, chemical, radiological, biological, and etiological discharges into the environment anywhere in the United States and its territories. This database is made available by the United States Environmental Protection Agency (EPA).

Government Publication Date: Mar 21, 2019

The Assessment, Cleanup and Redevelopment Exchange System (ACRES) Brownfield Database: FED BROWNFIELDS

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties protects the environment, reduces blight, and takes development pressures off greenspaces and working lands. This database is made available by the United States Environmental Protection Agency (EPA).

Government Publication Date: Jan 11, 2019

FEMA Underground Storage Tank Listing: FEMA UST

The Federal Emergency Management Agency (FEMA) of the Department of Homeland Security maintains a list of FEMA owned underground storage tanks.

Government Publication Date: Dec 31, 2017

LIEN on Property: SEMS LIEN

The EPA Superfund Enterprise Management System (SEMS) provides LIEN information on properties under the EPA Superfund Program.

Government Publication Date: Feb 6, 2019

Superfund Decision Documents: SUPERFUND ROD

This database contains a listing of decision documents for Superfund sites. Decision documents serve to provide the reasoning for the choice of (or) changes to a Superfund Site cleanup plan. The decision documents include Records of Decision (ROD), ROD Amendments, Explanations of Significant Differences (ESD), along with other associated memos and files. This information is maintained and made available by the US EPA (Environmental Protection Agency).

Government Publication Date: Feb 12, 2019

State

State Response Action Program Database: SSU

The State Response Action Program database identifies the status of all sites under the responsibility of the Illinois EPA's State Sites Unit. The State Response Action Program database made available by Illinois Environmental Protection Agency. This database is state equivalent CERCLIS.

Government Publication Date: Jan 8, 2019

Delisted State Response Action Program: DELISTED SSU

List of sites removed from the State Response Action Program database identifies the status of all sites under the responsibility of the Illinois EPA's State Sites Unit.

Government Publication Date: Jan 8, 2019

Solid Waste Landfills Subject to State Surcharge Database: SWF/LF

The Bureau of Land maintains a list of solid waste facilities and landfills throughout the state. This list made available by Illinois Environmental Protection Agency's Bureau of land.

Government Publication Date: Mar 2, 2018

Special Waste Site List: SWF/LF SPECIAL

The following landfills are those that as of January 1, 1990, accept non-hazardous special waste pursuant to the Illinois Environmental Protection Agency Non-Hazardous Special Waste Definition. List A includes landfills that may receive any non-hazardous waste. Non-Regional Pollutant Control Facilities are so noted. List B includes landfills designed to receive specific non-hazardous wastes. List B landfills are designated as a Regional Pollutant Control Facility by RPCF, or Non-regional Pollutant Control Facility by Non-RPCF.

Government Publication Date: Jan 1, 1990

Northeastern Illinois Planning Commission Historical Inventory of Solid Waste Disposal Sites in Northeastern Illinois: NIPC

Historical inventory of solid waste disposal sites in northeastern Illinois prepared by the Northeastern Illinois Planning Commission (NIPC).

Government Publication Date: Dec 1987

Clean Construction or Demolition Debris: CCDD

This is a list of CCDD Fill Operations with Approved Permits. Beginning July 1, 2008, no person can use CCDD as fill material in a current or former quarry, mine, or other excavation unless they have obtained a permit from the Illinois EPA.

Government Publication Date: Apr 30, 2018

Leaking Underground Storage Tanks (LUST): LUST

The Leaking Underground Storage Tank Incident Tracking (LIT) database identifies the status of all Illinois LUST incidents reported to the Illinois Emergency Management Agency (IEMA) and to the Illinois Environmental Protection Agency.

Government Publication Date: Apr 9, 2019

Delisted Leaking Underground Storage Tank Sites: DELISTED LUST

List of sites removed from the Leaking Underground Storage Tank Incident Tracking (LIT) database made available by the Illinois Environmental Protection Agency.

Government Publication Date: Apr 9, 2019

Underground Storage Tank Fund Payment Priority List: LUST TRUST

In case sufficient funds are not available in the Underground Storage Tank Fund, requests for payment are entered on the Payment Priority List by "queue date" order. As required by the Environmental Protection Act, the queue date is the date that a complete request for partial or final payment was received by the Agency. The queue date is "officially" confirmed at the end of the payment review process when a Final Decision Letter is sent to the site owner. The Underground Storage Tank Fund Priority list made available by Illinois Environmental Protection Agency.

Government Publication Date: Nov 01, 2016

Underground Storage Tank Database (UST): UST

This database maintained by Division of Petroleum & Chemical Safety, contains information derived from tank registration information supplied to the Office of the Illinois State Fire Marshal (OSFM) from outside sources.

Government Publication Date: Apr 5, 2019

Aboveground Storage Tanks (AST): AST

A list of aboveground storage tanks inspected by the Office of State Fire Marshal (OSFM).

Government Publication Date: Dec 31, 2018

Delisted Storage Tanks: DELISTED TANK

This database contains a list of closed storage tank sites that were removed from the illinois Department of Enivornmental Quality.

Government Publication Date: Apr 3, 2019

Sites with Engineering Controls: ENG

Sites in the Illinois Environmental Protection Agency (IEPA)'s Site Remedition Program (SRP) database with engineering controls in place.

Government Publication Date: Mar 19, 2019

Institutional Controls: INST

Sites in the Illinois Environmental Protection Agency (IEPA)'s Site Remedition Program (SRP) database with institutional controls in place.

Government Publication Date: Mar 19, 2019

Illinois Site Remediation Program Database: SRP

The Site Remediation Program (SRP) database identifies the status of all voluntary remediation projects administered through the Pre-Notice Site Cleanup Program (1989 to 1995) and the Site Remediation Program (1996 to the present). This Site Remediation program database made available by Illinois Environmental Protection Agency.

Government Publication Date: Mar 19, 2019

Brownfields Redevelopment Assessment Database: BROWNFIELDS

The Office of Site Evaluations Redevelopment Assessment database identifies the status of properties within the State in which the Illinois EPA's Office of Site Evaluation has conducted a Municipal Brownfields Redevelopment Grant (MBRG) project.

Government Publication Date: Feb 19, 2019

Municipal Brownfields Redevelopment Grant Program (MBRGP) project sites administered through OBA: BROWN MBRGP

The Office of Brownfields Assistance (OBA) database identifies the status of all Municipal Brownfields Redevelopment Grant Program (MBRGP) project sites administered through OBA. Office of Brownfields Assistance Database search made available by Illinois Environmental Protection Agency's Bureau of Land Data-Center.

Government Publication Date: Mar 31, 2013

Tribal

Leaking Underground Storage Tanks on Indian Lands: INDIAN LUST

List of Leaking Underground Storage Tanks (LUSTs) on Tribal/Indian Lands in EPA Region 5, which includes Michigan, Minnesota and Wisconsin. There no LUST records in Illinois at this time.

Government Publication Date: Oct 16, 2017

Underground Storage Tanks (USTs) on Indian Lands: INDIAN UST

Underground Storage Tanks (USTs) on Tribal/Indian Lands in EPA Region 5. There are no UST records in Illinois at this time.

Government Publication Date: Oct 16, 2017

Delisted Tribal Leaking Storage Tanks: DELISTED ILST

Leaking Underground Storage Tank facilities which have been removed from the Regional Tribal LUST lists made available by the EPA.

Government Publication Date: Oct 14, 2017

Delisted Tribal Underground Storage Tanks: DELISTED IUST

Underground Storage Tank facilities which have been removed from the Regional Tribal UST lists made available by the EPA.

Government Publication Date: Oct 14, 2017

County

Chicago Storage Tanks: TANKS CHICAGO

This dataset contains Aboveground Storage Tank (AST) and Underground Storage Tank (UST) information from the City of Chicago Department of Public Health's (CDPH) Tank Asset Database. The Tank Asset Database contains tank information from CDPH AST and UST permit applications as well as UST records imported from the historic City of Chicago Department of Environment (DOE) database. This dataset also includes AST records from the historic DOE and pre-1992 UST records from the Building Department.

Government Publication Date: Apr 3, 2019

Chicago Environmental Permits: PERMITS CHICAGO

Permits issued by the City of Chicago Department of Environment (DOE) from January 1993 to December 31, 2011 and by the City of Chicago Department of Public Health (CDPH) since January 1, 2012. On January 1, 2012, the DOE was disbanded and all its inspection, permitting, and enforcement authorities were transferred to the CDPH.

Government Publication Date: Apr 2, 2019

Additional Environmental Record Sources

Federal

Facility Registry Service/Facility Index: FINDS/FRS

The US Environmental Protection Agency (EPA)'s Facility Registry System (FRS) is a centrally managed database that identifies facilities, sites or places subject to environmental regulations or of environmental interest. FRS creates high-quality, accurate, and authoritative facility identification records through rigorous verification and management procedures that incorporate information from program national systems, state master facility records, data collected from EPA's Central Data Exchange registrations and data management personnel.

Government Publication Date: Jan 30, 2019

Toxics Release Inventory (TRI) Program: TRIS

The EPA's Toxics Release Inventory (TRI) is a database containing data on disposal or other releases of over 650 toxic chemicals from thousands of U.S. facilities and information about how facilities manage those chemicals through recycling, energy recovery, and treatment. One of TRI's primary purposes is to inform communities about toxic chemical releases to the environment.

Government Publication Date: Dec 31, 2017

Hazardous Materials Information Reporting System: HMIRS

US DOT - Department of Transportation Pipeline and Hazardous Materials Safety Administration (PHMSA) Incidents Reports Database taken from Hazmat Intelligence Portal, U.S. Department of Transportation.

Government Publication Date: Jan 8, 2019

National Clandestine Drug Labs: NCDL

The U.S. Department of Justice ("the Department") provides this data as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy.
Government Publication Date: Jul 18, 2018

Toxic Substances Control Act: TSCA

The Environmental Protection Agency (EPA) is amending the Toxic Substances Control Act (TSCA) section 8(a) Inventory Update Reporting (IUR) rule and changing its name to the Chemical Data Reporting (CDR) rule.
The CDR enables EPA to collect and publish information on the manufacturing, processing, and use of commercial chemical substances and mixtures (referred to hereafter as chemical substances) on the TSCA Chemical Substance Inventory (TSCA Inventory). This includes current information on chemical substance production volumes, manufacturing sites, and how the chemical substances are used. This information helps the Agency determine whether people or the environment are potentially exposed to reported chemical substances. EPA publishes submitted CDR data that is not Confidential Business Information (CBI).
Government Publication Date: Jun 30, 2017

Hist TSCA: HIST TSCA

The Environmental Protection Agency (EPA) is amending the Toxic Substances Control Act (TSCA) section 8(a) Inventory Update Reporting (IUR) rule and changing its name to the Chemical Data Reporting (CDR) rule.
The 2006 IUR data summary report includes information about chemicals manufactured or imported in quantities of 25,000 pounds or more at a single site during calendar year 2005. In addition to the basic manufacturing information collected in previous reporting cycles, the 2006 cycle is the first time EPA collected information to characterize exposure during manufacturing, processing and use of organic chemicals. The 2006 cycle also is the first time manufacturers of inorganic chemicals were required to report basic manufacturing information.
Government Publication Date: Dec 31, 2006

FTTS Administrative Case Listing: FTTS ADMIN

An administrative case listing from the Federal Insecticide, Fungicide, & Rodenticide Act (FIFRA) and Toxic Substances Control Act (TSCA), together known as FTTS. This database was obtained from the Environmental Protection Agency's (EPA) National Compliance Database (NCDB). The FTTS and NCDB was shut down in 2006.
Government Publication Date: Jan 19, 2007

FTTS Inspection Case Listing: FTTS INSP

An inspection case listing from the Federal Insecticide, Fungicide, & Rodenticide Act (FIFRA) and Toxic Substances Control Act (TSCA), together known as FTTS. This database was obtained from the Environmental Protection Agency's (EPA) National Compliance Database (NCDB). The FTTS and NCDB was shut down in 2006.
Government Publication Date: Jan 19, 2007

Potentially Responsible Parties List: PRP

Early in the cleanup process, the Environmental Protection Agency (EPA) conducts a search to find the potentially responsible parties (PRPs). EPA looks for evidence to determine liability by matching wastes found at the site with parties that may have contributed wastes to the site.
Government Publication Date: Dec 20, 2018

State Coalition for Remediation of Drycleaners Listing: SCRD DRYCLEANER

The State Coalition for Remediation of Drycleaners (SCRD) was established in 1998, with support from the U.S. Environmental Protection Agency (EPA) Office of Superfund Remediation and Technology Innovation. Coalition members are states with mandated programs and funding for drycleaner site remediation. Current members are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.
Government Publication Date: Nov 08, 2017

Integrated Compliance Information System (ICIS): ICIS

The Integrated Compliance Information System (ICIS) is a system that provides information for the Federal Enforcement and Compliance (FE&C) and the National Pollutant Discharge Elimination System (NPDES) programs. The FE&C component supports the Environmental Protection Agency's (EPA) Civil Enforcement and Compliance program activities. These activities include Compliance Assistance, Compliance Monitoring and Enforcement. The NPDES program supports tracking of NPDES permits, limits, discharge monitoring data and other program reports.
Government Publication Date: Nov 18, 2016

Drycleaner Facilities: FED DRYCLEANERS

A list of drycleaner facilities from the Integrated Compliance Information System (ICIS). The Environmental Protection Agency (EPA) tracks facilities that possess NAIC and SIC codes that classify businesses as drycleaner establishments.

Government Publication Date: May 29, 2018

Delisted Drycleaner Facilities: DELISTED FED DRY

List of sites removed from the list of Drycleaner Facilities (sites in the EPA's Integrated Compliance Information System (ICIS) with NAIC or SIC codes identifying the business as a drycleaner establishment).

Government Publication Date: May 29, 2018

Formerly Used Defense Sites: FUDS

Formerly Used Defense Sites (FUDS) are properties that were formerly owned by, leased to, or otherwise possessed by and under the jurisdiction of the Secretary of Defense prior to October 1986, where the Department of Defense (DoD) is responsible for an environmental restoration. This list is published by the U.S. Army Corps of Engineers.

Government Publication Date: Oct 23, 2018

Material Licensing Tracking System (MLTS): MLTS

A list of sites that store radioactive material subject to the Nuclear Regulatory Commission (NRC) licensing requirements. This list is maintained by the NRC. As of September 2016, the NRC no longer releases location information for sites. Site locations were last received in July 2016.

Government Publication Date: Nov 1, 2018

Historic Material Licensing Tracking System (MLTS) sites: HIST MLTS

A historic list of sites that have inactive licenses and/or removed from the Material Licensing Tracking System (MLTS). In some cases, a site is removed from the MLTS when the state becomes an "Agreement State". An Agreement State is a State that has signed an agreement with the Nuclear Regulatory Commission (NRC) authorizing the State to regulate certain uses of radioactive materials within the State.

Government Publication Date: Jan 31, 2010

Mines Master Index File: MINES

The Master Index File (MIF) contains mine identification numbers issued by the Department of Labor Mine Safety and Health Administration (MSHA) for mines active or opened since 1971. Note that addresses may or may not correspond with the physical location of the mine itself.

Government Publication Date: Nov 30, 2018

Alternative Fueling Stations: ALT FUELS

List of alternative fueling stations made available by the US Department of Energy's Office of Energy Efficiency & Renewable Energy. Includes Biodiesel stations, Ethanol (E85) stations, Liquefied Petroleum Gas (Propane) stations, Ethanol (E85) stations, Natural Gas stations, Hydrogen stations, and Electric Vehicle Supply Equipment (EVSE). The National Renewable Energy Laboratory (NREL) obtains information about new stations from trade media, Clean Cities coordinators, a Submit New Station form on the Station Locator website, and through collaborating with infrastructure equipment and fuel providers, original equipment manufacturers (OEMs), and industry groups.

Government Publication Date: Apr 8, 2019

Registered Pesticide Establishments: SSTS

List of active EPA-registered foreign and domestic pesticide-producing and device-producing establishments based on data from the Section Seven Tracking System (SSTS). The Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) Section 7 requires that facilities producing pesticides, active ingredients, or devices be registered. The list of establishments is made available by the EPA.

Government Publication Date: Sep 1, 2018

Polychlorinated Biphenyl (PCB) Notifiers: PCB

Facilities included in the national list of facilities that have notified the United States Environmental Protection Agency (EPA) of Polychlorinated Biphenyl (PCB) activities. Any company or person storing, transporting or disposing of PCBs or conducting PCB research and development must notify the EPA and receive an identification number.

Government Publication Date: Mar 20, 2019

State

Spills and Incidents: SPILLS

A list of reports taken by Illinois Emergency Management Agency (IEMA) of Hazardous Material spills in Illinois.

Government Publication Date: Mar 3, 2019

Emergency Response Releases & Spills Database: SPILLS2

The Office of Emergency Response (OER) maintains the Emergency Response Releases & Spills Database.
The Emergency Operations Unit, within OER, coordinates Illinois EPA's response to environmental emergencies involving oil or hazardous materials and ensures that any environmental contamination is cleaned up. EOU works with other response agencies including the Illinois Emergency Management Agency (IEMA), which is the initial contact for responses to an emergency or disaster in Illinois.

Government Publication Date: Apr 8, 2019

Dry Cleaning Facilities: DRYCLEANERS

A list of licensed drycleaners facilities provided by Drycleaner Environmental Response Trust Fund of Illinois.

Government Publication Date: Feb 24, 2019

Tier 2 Report: TIER 2

List of facilities who submit Tier II forms to the Illinois Emergency Management Agency (IEMA).

Government Publication Date: Jul 12, 2018

Delisted Drycleaners: DELISTED DRYCLEANERS

List of sites removed from the drycleaners database made available by the Drycleaner Environmental Response Trust Fund of Illinois.

Government Publication Date: Feb 24, 2019

Clandestine Drug Labs: CDL

List of clandestine drug lab locations made available by the Illinois Department of Public Health. The Department maintains a list of properties from reports it receives from the Illinois State Police through the Illinois Emergency Management Agency.

Government Publication Date: Sep 14, 2018

Tribal

No Tribal additional environmental record sources available for this State.

County

No County additional environmental record sources available for this State.

Definitions

Database Descriptions: This section provides a detailed explanation for each database including: source, information available, time coverage, and acronyms used. They are listed in alphabetic order.

Detail Report: This is the section of the report which provides the most detail for each individual record. Records are summarized by location, starting with the project property followed by records in closest proximity.

Distance: The distance value is the distance between plotted points, not necessarily the distance between the sites' boundaries. All values are an approximation.

Direction: The direction value is the compass direction of the site in respect to the project property and/or center point of the report.

Elevation: The elevation value is taken from the location at which the records for the site address have been plotted. All values are an approximation. Source: Google Elevation API.

Executive Summary: This portion of the report is divided into 3 sections:

'Report Summary'- Displays a chart indicating how many records fall on the project property and, within the report search radii.

'Site Report Summary'-Project Property'- This section lists all the records which fall on the project property. For more details, see the 'Detail Report' section.

'Site Report Summary-Surrounding Properties'- This section summarizes all records on adjacent properties, listing them in order of proximity from the project property. For more details, see the 'Detail Report' section.

Map Key: The map key number is assigned according to closest proximity from the project property. Map Key numbers always start at #1. The project property will always have a map key of '1' if records are available. If there is a number in brackets beside the main number, this will indicate the number of records on that specific property. If there is no number in brackets, there is only one record for that property.

The symbol and colour used indicates 'elevation': the red inverted triangle will dictate 'ERIS Sites with Lower Elevation', the yellow triangle will dictate 'ERIS Sites with Higher Elevation' and the orange square will dictate 'ERIS Sites with Same Elevation.'

Unplottables: These are records that could not be mapped due to various reasons, including limited geographic information. These records may or may not be in your study area, and are included as reference.

Project Name: Village of Buffalo Grove- University Drive Latitude: 42.13383 Longitude: -87.96036

Source Site Certification

III. Descriptions of Current and Past Uses of Source Site

Describe the current and past uses of the site and nearby properties.* Attach additional information as needed. The description must take into account, at a minimum, the following for the source site and for nearby property: (1) use of the properties for commercial or industrial purposes; (2) the use, storage or disposal of chemical or petroleum products in individual containers greater than 5 gallons or collectively more than 50 gallons; (3) the current or past presence of any storage tanks (above ground or underground); (4) any waste storage, treatment or disposal at the properties; (5) any reported releases or any environmental cleanup or removal of contaminants; (6) any environmental liens or governmental notification of environmental violations; (7) any contamination in a well that exceeds the Board's groundwater quality standards; (8) the use, storage, or disposal of transformers or capacitors manufactured before 1979; and (9) any fill dirt brought to the properties from an unknown source or site.

Number of pages attached: 121

A limited historical & regulatory review was performed to identify PIPs. Site reconnaissance was performed while sampling to evaluate on-site environmental conditions & potential PIPs. Based on the nature & scope of the project, 2 soil samples were collected for pH testing and screened with a PID. Figure 2 shows sample locations.

*The description must be sufficient to demonstrate that the source site is not potentially impacted property, thereby allowing the source site owner or operator to provide this certification.

IV. Soil pH Testing Results

Describe the results of soil pH testing showing that the soil pH is within the range of 6.25 to 9.0 and attach any supporting documentation.

Number of pages attached: 24

See attached laboratory reports and associated NELAC certification. Both soil pH samples were within the acceptable range of 6.25 to 9.0 units. Figure 2 identifies the project area that is covered by this certification.

V. Source Site Owner, Operator or Authorized Representative's Certification Statement and Signature

In accordance with the Illinois Environmental Protection Act [415 ILCS 5/22.51 or 22.51a] and 35 Ill. Adm. Code 1100.205(a), I _____(owner, operator or authorized representataive of source site) certify that this site is not a potentially impacted property and the soil is presumed to be uncontaminated soil. I also certify that the soil pH is within the range of 6.25 to 9.0. I further certify that the soil has not been removed from the site as part of a cleanup or removal of contaminants. Additionally, I certify that I am either the site owner or operator or a duly authorized representative of the site owner or site operator and am authorized to sign this form. Furthermore, I certify that all information submitted, including but not limited to, all attachments and other information, is to the best of my knowledge and belief, true, accurate and complete.

Any person who knowingly makes a false, fictitious, or fraudulent material statement, orally or in writing, to the Illinois EPA commits a Class 4 felony. A second or subsequent offense after conviction is a Class 3 felony. (415 ILCS 5/44(h))

○ Owner
○ Operator
⊗ Owner's Duly Authorized Representative
○ Operator's Duly Authorized Representative

DARREN MONICO - VILLAGE ENGINEER
Printed Name

6·3·19
Date

Signature

SOIL AND MATERIAL CONSULTANTS, INC.

Office: 847-870-0544
Fax: 847-870-0661
us@soilandmaterialconsultants.com
www.soilandmaterialconsultants.com

May 28, 2019
File No. 24543

Mr. Kyle E. Johnson, P.E., CFM
Village of Buffalo Grove
51 Raupp Boulevard
Buffalo Grove, IL 60089

Re: Geotechnical Investigation
University Drive
Buffalo Grove, Illinois

Dear Mr. Johnson:

The following is our report of findings for the geotechnical investigation completed along University Drive from Buffalo Grove Road to Selwyn Lane in the Village of Buffalo Grove, Illinois.

The investigation was requested to determine current pavement and subsurface soil conditions at select locations. The findings of the field investigation and the results of laboratory testing are intended to assist in the planning, design and construction of proposed site improvements. We understand new water main and force main are planned to be installed at approximate depths of 5.0 feet and 8.0 feet respectively.

SCOPE OF THE INVESTIGATION

The field investigation included obtaining 5 pavement cores and 3 soil borings at the locations requested and as indicated on the enclosed location sketch. We auger drilled the 3 borings to a depth of 10.0 feet below existing surface elevations. Soil samples were obtained using a split barrel sampler advanced utilizing an automatic SPT hammer. Soil profiles were determined in the field and soil samples returned to our laboratory for additional testing including determination of moisture content. Cohesive soils obtained by split barrel sampling were tested further to determine dry unit weight and unconfined compressive strength.

The results of all field determinations and laboratory testing are included in summary with this report.

RESULTS OF THE INVESTIGATION

Enclosed are the core and boring logs indicating the pavement and soil conditions encountered at each location. The summary table below indicates pavement materials and thicknesses encountered at each location. Please refer to the individual core logs for more detailed information.

Core	HMA Surface (in.)	HMA Binder (in.)	Total HMA (in.)	Granular Base (in.)	Total Pavement (in.)
1	***3.0***	***2.5***	5.5	8.0	13.5
2	***4.5****	2.5	7.0	10.0	17.0
3	3.75*	2.5	6.25	13.25	19.5
4	4.5*	3.0	7.5	8.5	16.0
5	4.25*	8.0	12.25	17.75	30.0

BOLD indicates failure in the bituminous layer
* indicates the presence of a reflective crack control fabric

Soil borings were performed at core locations 1, 3 and 5. Soil conditions encountered underlying the pavement materials include the presence of cohesive soils. These are classified as tough to hard clay/silt mixtures with lesser portions of sand and gravel. The upper portions of these soils at location B-5 had high moisture contents with values in excess of 29% determined.

Thinner seams of non-cohesive soils were also encountered as indicated at borings B-3 and B-5. These include loose silt/sand/clay and sand/silt/gravel mixtures. The non-cohesive granular soils encountered at boring B-5 were in a saturated condition. Cobbles and boulders may be present within the site soils at any elevation, although none were encountered while drilling.

The following table summarizes depth ranges below existing grade, the magnitude of soil strength within these ranges and other information:

Boring	Depth Range Below Existing Surface (feet)	Soil Strength (lbs./sq.ft.)	Recorded Water Levels, W.D./A.D. (feet)
1	1.5 to 4.0	6,000	dry/dry
	4.0 to 8.0	8,000	
3	2.0 to 4.5	2,000	dry/dry
	4.5 to 7.0	4,000	
	7.0 to 8.0	8,000	
5	3.0 to 6.5	*1,500	8.0/8.0
	6.5 to 8.0	3,000	

* Not recommended for support of the water main or force main.

The boring logs and the above table indicate the depth at which subsurface water was encountered in the bore holes at the time of the drilling operations and during the period of these readings. It is expected that fluctuations from the water levels recorded will occur over a

period of time due to variations in rainfall, temperature, subsurface soil conditions, soil permeability and other factors not evident at the time of the water level measurements.

DISCUSSION

The water main and force main can be supported on the undisturbed natural soils located below all low strength soils and other unsuitable conditions which may be encountered. Soil strength values and the depths at which they are expected to be encountered at each boring location are indicated in the above table. When the pipes are placed in an open cut excavation, a granular bedding, CA07/CA11, should be used to support the pipes on the undisturbed natural soils.

In the unimproved areas, the trench excavation can be backfilled with the suitable non-organic soils from the trench. In the improved areas, such as under pavements and sidewalks, the trench should be backfilled with compacted crushed granular fill (CA06). The backfill should be placed in lifts not to exceed 12.0 inches when uncompacted. Each lift should exceed the minimum compaction requirement prior to the placement of the next lift. We would recommend a minimum of 95% compaction based on the modified Proctor test, ASTM D-1557, be achieved in the pavement and sidewalk areas and a minimum of 85% in the unimproved areas.

DEWATERING

Excavations may require dewatering due to subsurface water seepage and/or surface precipitation. This water can be removed by standard sump and pump operations. Soils exposed at pipe elevations should not be permitted to become saturated. Loss of bearing strength and stability may occur, requiring additional soil excavation.

Granular base material, cohesive soils and others can be unstable when saturated. These soils tend to cave or run when submerged or disturbed. The stability of exposed embankments is minimal to non-existent as confining soil pressures are removed. Proper drainage within excavations is necessary at all times, particularly when excavations extend below anticipated water levels and below saturated soils.

The contractor should be made responsible for designing and constructing stable temporary excavations. Also, the contractor should shore, slope, bench or restrain the sides of the excavations as required to maintain stability of both the excavation sides and bottom. In no case, should the slope, slope heights, or excavation depth exceed those in the local, state, and federal safety regulations.

CONCLUSION

The information within this report is intended to provide initial information concerning pavement and subsurface soil conditions on the site. Variations in pavement and subsurface conditions are expected to be present between test locations due to naturally changing soil and disturbed conditions. Our understanding of the proposed improvements is based on information available to us at the writing of this report.

Aggregates placed as structural fill should be tested as the work progresses to verify that minimum compaction requirements have been met. We recommend that soil conditions encountered at pipe elevations be tested to verify the presence of suitable soil prior to placement of the bedding material.

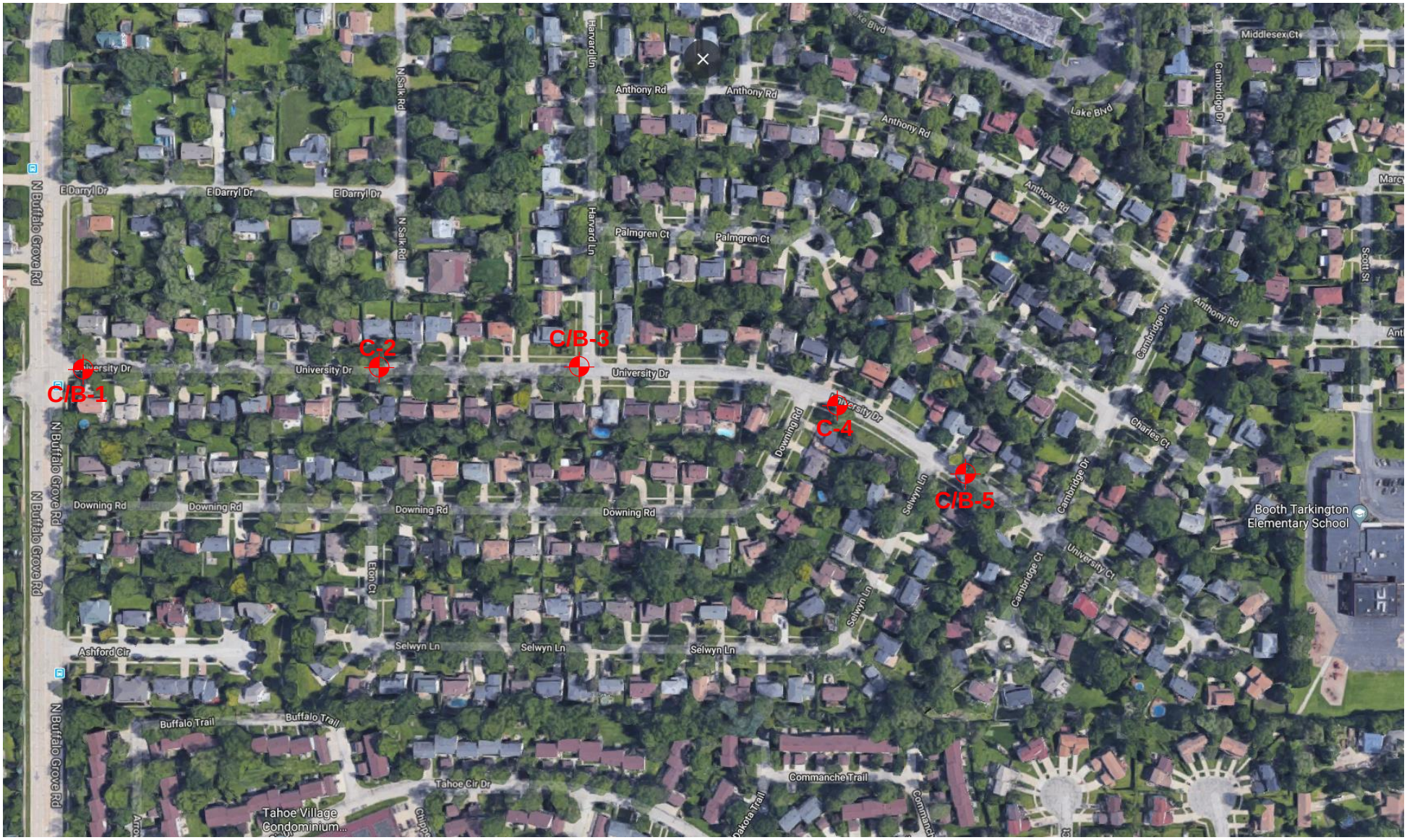
If you have any questions concerning the findings or recommendations presented in this report, please let me know.

Very truly yours,

SOIL AND MATERIAL CONSULTANTS, INC.

Thomas P. Johnson, P.E.
President

TPJ:ek
Enc.



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SMC	SOIL AND MATERIAL CONSULTANTS, INC.	LOCATION SKETCH
Client:	VILLAGE OF BUFFALO GROVE	
Project:	UNIVERSITY DRIVE	
Location:	BUFFALO GROVE, ILLINOIS	
File No. 24543	Date: 5-21-19	Scale: NONE

SOIL AND MATERIAL CONSULTANTS, INC.

8 W. COLLEGE DR. • SUITE C • ARLINGTON HEIGHTS, IL 60004

Date: 5/13/19

File No.: 24543

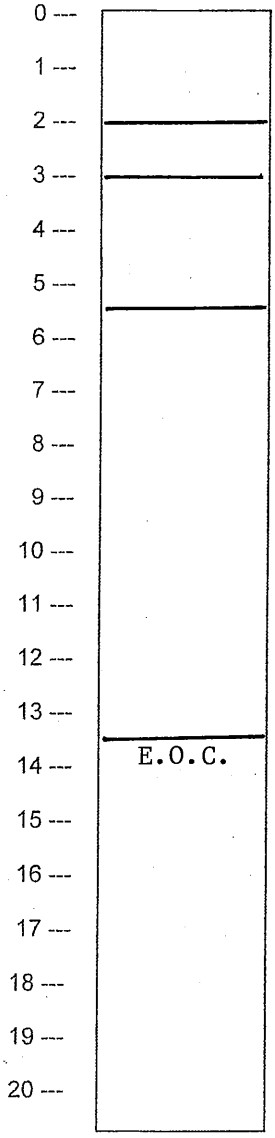
CORE LOG

Client: Village of Buffalo Grove Reference University Dr., Buffalo Grove, IL

Core No: 1 Work Done By: CS & DA

Location of Core: 23 University Dr., 12' S. of CL

Comments:



	Type of Material	Recovery
2-0"	Bituminous concrete - surface (failed)	Partial
1-0"	Bituminous concrete - surface	Full
2-1/2"	Bituminous concrete - binder (failed)	Partial
8-0"	Crushed & uncrushed gravel with fines	Partial
Total 13-1/2"		

SOIL AND MATERIAL CONSULTANTS, INC.

8 W. COLLEGE DR. • SUITE C • ARLINGTON HEIGHTS, IL 60004

Date: 5/13/19

File No.: 24543

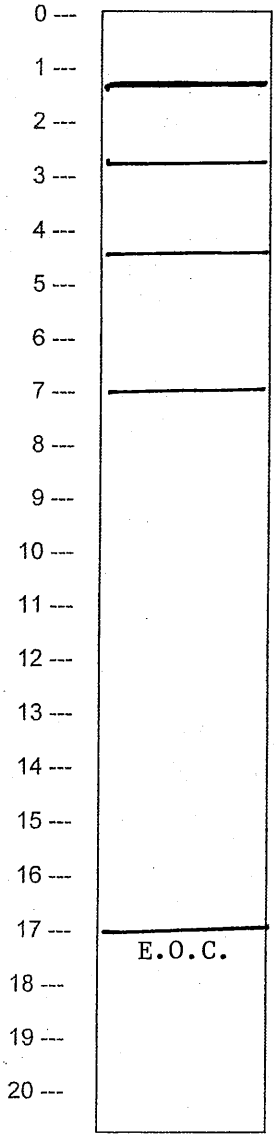
CORE LOG

Client: Village of Buffalo Grove Reference Univer ty Dr., Buffalo Grove, IL

Core No: 2 Work Done By: CS & DA

Location of Core: 118 University Dr., on CL

Comments:



Type of Material		Recovery
1-1/4" Bituminous concrete - surface (failed) no bond		Partial
Petromat		
1-1/2" Bituminous concrete - surface no bond		Full
1-3/4" Bituminous concrete - surface		Full
2-1/2" Bituminous concrete - binder		Full
10-0"	Crushed & uncrushed gravel with fines	Partial
Total 17-0"		

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SOIL AND MATERIAL CONSULTANTS, INC.

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Date: 5/13/19

File No.: 24543

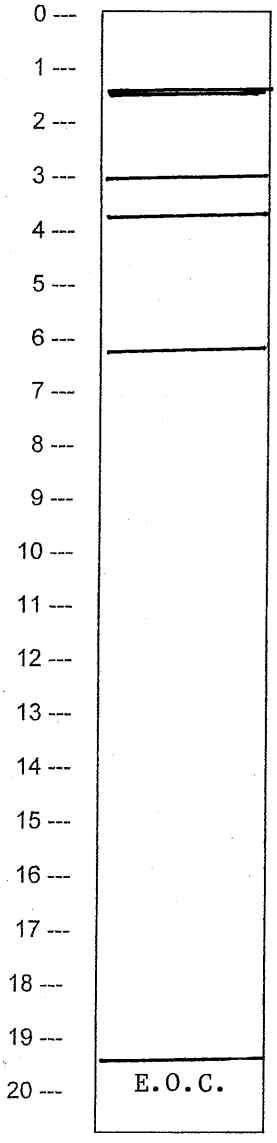
CORE LOG

Client: Village of Buffalo Grove Reference Univeristy Dr., Buffalo Grove, IL

Core No: 3 Work Done By: CS & DA

Location of Core: 183 University Drive, 5' N. of CL

Comments:



Type of Material	Recovery
1-1/2" Bituminous concrete - surface	Full
Petromat	
1-1/2" Bituminous concrete - surface	Full
0-3/4" Bituminous concrete - surface	Full
2-1/2" Bituminous concrete - binder	Full
13-1/4" Crushed & uncrushed gravel with fines	Partial
Total 19-1/2"	

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Date: 5/13/19

File No.: 24543

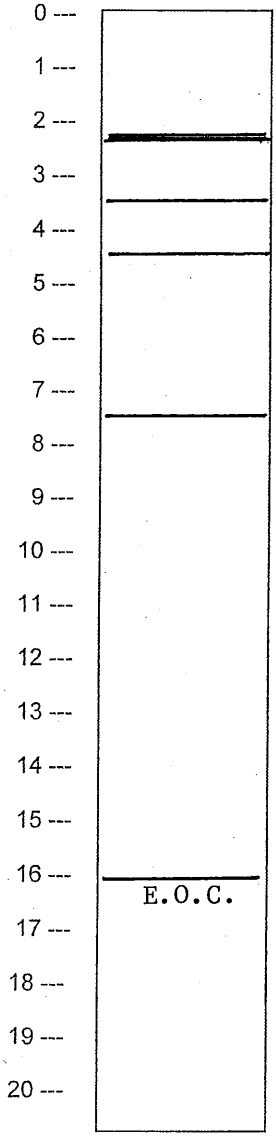
CORE LOG

Client: Village of Buffalo Grove Reference University Dr., Buffalo Grove, IL

Core No: 4 Work Done By: CS & DA

Location of Core: 275 University Dr., 13' S. of CL

Comments:



Type of Material	Recovery
2-1/4" Bituminous concrete - surface	Full
Petromat	
1-1/4" Bituminous concrete - surface	Full
no bond	
1-0" Bituminous concrete - surface	Full
3-0" Bituminous concrete - binder	Full
8-1/2" Crushed & uncrushed gravel with fines	Partial
Total 16-0"	

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Date: 5/13/19

File No.: 24543

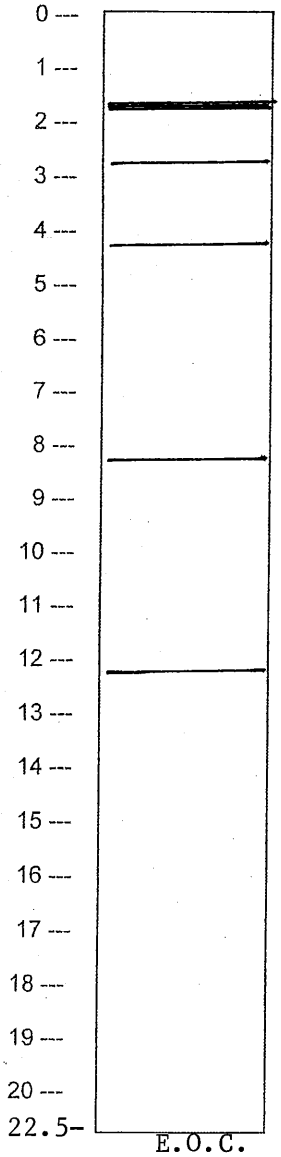
CORE LOG

Client: Village of Buffalo Grove Reference University Dr., Buffalo Grove, IL

Core No: 5 Work Done By: CS & DA

Location of Core: 320 University Dr., 13' N. of CL

Comments:



Type of Material	Recovery
1-3/4" Bituminous concrete - surface	Full
Petromat	
1-0" Bituminous concrete - surface	Full
1-1/2" Bituminous concrete - surface	Full
4-0" Bituminous concrete - binder no bond	Full
4-0" Bituminous concrete - binder	Full
17-3/4" Crushed & uncrushed gravel, contaminated with soil	Partial
Total 30-0"	

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SOIL BORING LOG 1

Logged By: CS **Page:** 1 of 1

Client: Village of Buffalo Grove

File No. 24543 **Date Drilled:** 5/21/19

Reference: University Drive
Buffalo Grove, IL

Comments:

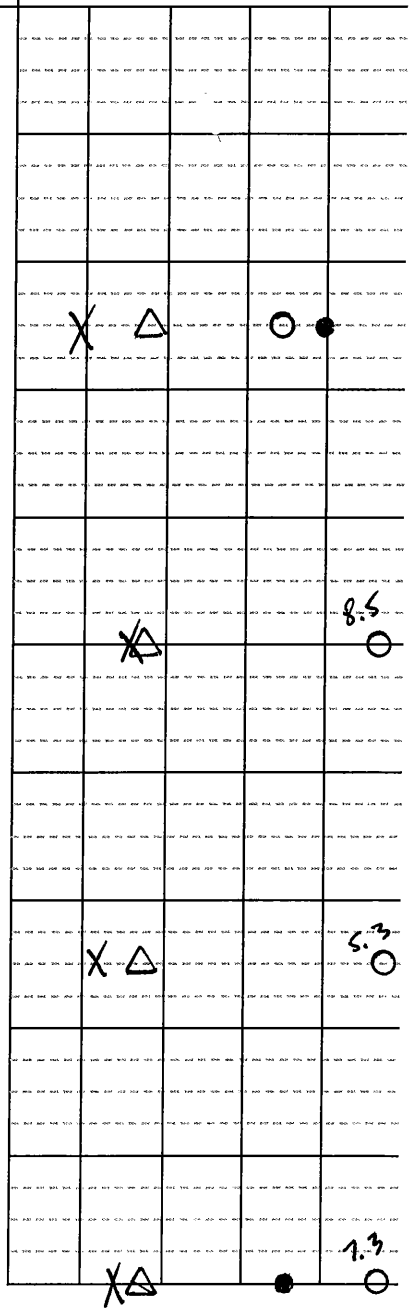
Equipment: ☒CME 45B ☐CME 55 ☐Hand Auger ☐Other

depth, ft.	CLASSIFICATION Elevation Existing Surface	standard penetration ×	moisture content △	dry unit weight lbs./cu.ft. ɣ	unconfined compressive strengh ○
1	(See Core Log)				
2	Dark brown to brown-gray clay,some silt trace sand & gravel,damp,very tough to very hard	9	19.3	107.5	3.5
5		15	18.3	112.2	8.5
6	Dark brown to brown-gray clay,some silt trace sand & gravel,damp,hard				
7		12	16.5	118.1	5.3
10		14	18.2	113.5	7.3

End of Boring

○ unconfined compressive strength, tons/sq. ft.
● penetrometer reading, tons/sq. ft.
1.0 2.0 3.0 4.0

× standard penetration "N", blows/ft.
△ moisture content, %
10 20 30 40



Water encountered at dry feet during drilling operations (W.D.)
Water recorded at dry feet on completion of drilling operations (A.D.)
Water recorded at feet hours after completion of drilling operations (A.D.)

SOIL AND MATERIAL CONSULTANTS, INC.
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SOIL BORING LOG 3

Logged By: CS **Page:** 1 of 1

Client: Village of Buffalo Grove

File No. 24543 **Date Drilled:** 5/21/19

Reference: University Drive
Buffalo Grove, IL

Comments:

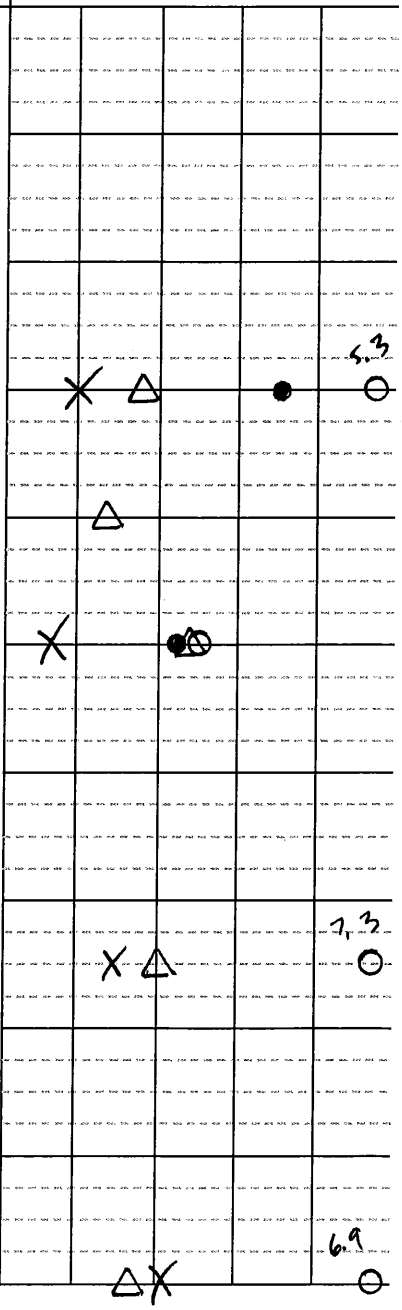
Equipment: ☒CME 45B ☐CME 55 ☐Hand Auger ☐Other

depth, ft.	CLASSIFICATION Elevation — Existing Surface	standard penetration ×	moisture content △	dry unit weight lbs./cu.ft. ϒ	unconfined compressive strength ○
1	(See Core Log)				
2	Dark brown to brown-gray clay,some silt,trace sand & gravel,damp,hard				
3	Brown silt,some sand & clay,trace gravel,damp,loose	10	18.9	109.0	5.3
4			14.1		
5	Brown clay,some silt,trace sand & gravel,damp,very tough to hard	6	23.7	102.5	2.5
6					
7		15	20.1	110.5	7.3
8	Gray clay,some silt,trace sand & gravel,damp,hard				
9					
10		21	16.9	115.2	6.9

End of Boring

○ unconfined compressive strength, tons/sq. ft.
● penetrometer reading, tons/sq. ft.
1.0 2.0 3.0 4.0

× standard penetration "N", blows/ft.
△ moisture content, %
10 20 30 40



Water encountered at dry feet during drilling operations (W.D.)
Water recorded at dry feet on completion of drilling operations (A.D.)
Water recorded at feet hours after completion of drilling operations (A.D.)

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SOIL BORING LOG 5

Logged By: CS Page: 1 of 1

Client: Village of Buffalo Grove

File No. 24543 Date Drilled: 5/21/19

Reference: University Drive
Buffalo Grove, IL

Comments:

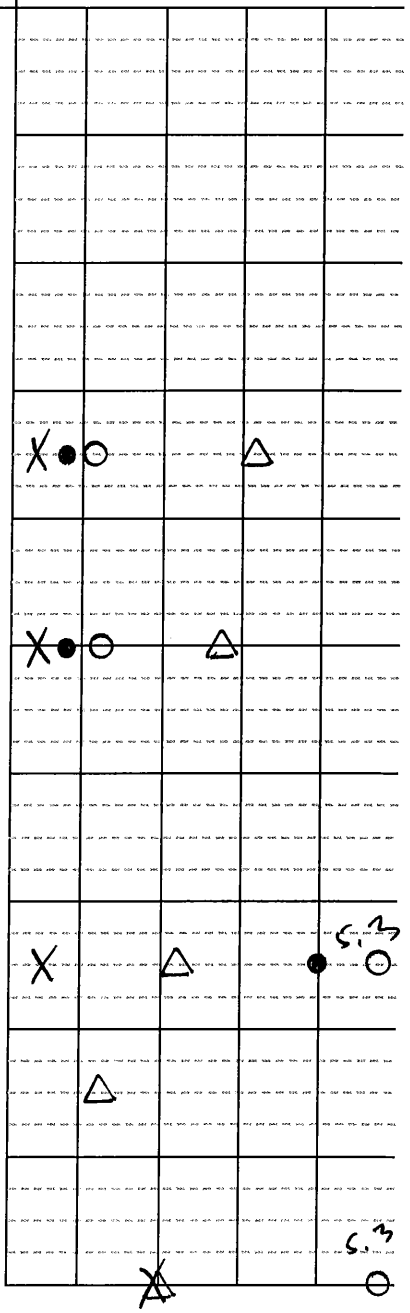
Equipment: ☒CME 45B ☐CME 55 ☐Hand Auger ☐Other

depth, ft.	CLASSIFICATION Elevation Existing Surface	standard penetration ×	moisture content △	dry unit weight lbs./cu.ft. ɣ	unconfined compressive strengh ○
1	(See Core Log)				
2					
3	Brown clay,some silt,trace sand & gravel,damp,tough	4	30.6	91.3	1.1
4					
5		4	29.0	95.4	1.3
6	Brown clay,some silt,trace sand & gravel,damp,hard				
7		5	21.5	104.9	5.3
8	Brown-gray fine-medium sand,some silt & gravel,trace coarse sand,saturated		11.5		
9	Gray clay,some silt,trace sand & gravel,damp,hard				
10		19	19.7	115.3	5.3

End of Boring

○ unconfined compressive strength, tons/sq. ft.
● penetrometer reading, tons/sq. ft.
1.0 2.0 3.0 4.0

× standard penetration "N", blows/ft.
△ moisture content, %
10 20 30 40



Water encountered at 8.0 feet during drilling operations (W.D.)
Water recorded at 8.0 feet on completion of drilling operations (A.D.)
Water recorded at feet hours after completion of drilling operations (A.D.)

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GENERAL NOTES

SAMPLE CLASSIFICATION

Soil sample classification is based on the Unified Soil Classification System, the Standard Practice for Description and Identification Soils (Visual-Manual Procedure), ASTM D-2488, the Standard Test Method for Classification of Soils for Engineering Purposes, ASTM D-2487 (when applicable), and the modifiers noted below.

CONSISTENCY OF COHESIVE SOILS

Term	Qu-tons.sq.ft.	N (unreliable)
Very soft	0.00 – 0.25	0 – 2
Soft	0.26 – 0.49	3 – 4
Stiff	0.50 – 0.99	5 – 8
Tough	1.00 – 1.99	9 –15
Very Tough	2.00 – 3.99	16 – 30
Hard	4.00 – 7.99	30 +
Very Hard	8.00 +	

RELATIVE DENSITY OF GRANULAR SOILS

Term	N – blows/foot
Very Loose	0 – 4
Loose	5 – 9
Medium Dense	10 – 29
Dense	30 – 49
Very Dense	50 +

IDENTIFICATION AND TERMINOLOGY

Term	Size Range
Boulder	over 8 in.
Cobble	3 in. to 8 in.
Gravel - coarse	1 in. to 3 in.
- medium	3/8 in. to 1 in.
- fine	#4 sieve to 3/8 in.
Sand - coarse	#10 sieve to #4 sieve
- medium	#40 sieve to #10 sieve
- fine	#200 sieve to #40 sieve
Silt	0.002 mm to #200 sieve
Clay	smaller than 0.002mm

Modifying Term	Percent by Weight
Trace	1 – 10
Little	11 – 20
Some	21 – 35
And	36 – 50

Moisture Content

Dry
Damp
Very Damp
Saturated

DRILLING, SAMPLING & SOIL PROPERY SYMBOLS

- CF - Continuous Flight Auger
- HS - Hollow Stem Auger
- HA - Hand Auger
- RD - Rotary Drilling
- AX - Rock Core, 1-3/16 in. diameter
- BX - Rock Core, 1-5/8 in. diameter
- NX - Rock Core, 2-1/8 in. diameter
- S - Sample Number
- T - Type of Sample
- J - Jar
- AS - Auger Sample
- SS - Split Spoon (2 in. O.D. with 1-3/8 in. I.D.)
- ST - Shelby Tube (2 in. O.D. w/ith1-7/8 in. I. D.)
- R - Recovery Length, in.
- B - Blows/6 in. interval, Standard Penetration Test (SPT)
- N - Blows/foot to drive 2 in. O.D. split-spoon sampler with 140 lb. hammer falling 30 in., (STP)
- Pen. - Pocket Penetrometer readings, tons/sq.ft.
- W - Water Content, % dry weight
- Uw - Dry Unit Weight of soil, lbs./cu.ft.
- Qu - Unconfined Compressive Strength, tons/sq.ft.
- Str - % Strain at Qu.
- WL - Water Level
- WD - While Drilling
- AD - After Drilling
- DCI - Dry Cave-in.
- WCI - Wet Cave-in.
- LL - Liquid Limit, %
- PL - Plastic Limit, %
- PI - Plasticity Index (LL-PL)
- LI - Liquidity Index [(W-PL)/PI]