Illinois Department of Transportation

Local Public Agency
Formal Contract

PROPOSAL SUBMITTED BY		
A Lamp Concrete Contractors, Inc.		
Contractor's Name		
1900 Wright Boulevard		
Street		P.O. Box
Schaumburg	IL	60193
City	State	Zip Code

STATE OF ILLINOIS

COUNTY Cook/Lake

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

FOR THE IMPROVEMENT OF

STREET NAME OR ROUTE 2019 Street Improvement Project

SECTION NO. N/A

TYPES OF FUNDS Local

☒ SPECIFICATIONS (required) ☒ PLANS (required) ☒ CONTRACT BOND (when required)

For Municipal Projects

Submitted/Approved/Passed

Dennis Dressman

☐ Mayor ☒ President of Board of Trustees ☐ Municipal Official

Date 3/18/19

~~Department of Transportation~~

☐ ~~Concurrence in approval of award~~

~~Regional Engineer~~

~~Date~~

~~For County and Road District Projects~~

~~Submitted/Approved~~

~~Highway Commissioner~~

~~Date~~

~~Submitted/Approved~~

~~County Engineer/Superintendent of Highways~~

~~Date~~

County Cook/Lake
Local Public Agency V. of Buffalo Grove
Section Number N/A
Route Various

1. THIS AGREEMENT, made and concluded the 18th day of March, 2019 (Month and Year), between the Village of Buffalo Grove acting by and through its President and Board of Trustees known as the party of the first part, and A Lamp Concrete Contractors, Inc. his/their executors, administrators, successors or assigns, known as the party of the second part.

2. Witnesseth: That for and in consideration of the payments and agreements mentioned in the Proposal hereto attached, to be made and performed by the party of the first part, and according to the terms expressed in the Bond referring to these presents, the party of the second part agrees with said party of the first part at his/their own proper cost and expense to do all the work, furnish all materials and all labor necessary to complete the work in accordance with the plans and specifications hereinafter described, and in full compliance with all of the terms of this agreement and the requirements of the Engineer under it.

3. And it is also understood and agreed that the LPA Formal Contract Proposal, Special Provisions, Affidavit of Illinois Business Office, Apprenticeship or Training Program Certification, and Contract Bond hereto attached, and the Plans for ~~Section~~ ____, in the Village of Buffalo Grove, ~~approved by the Illinois Department of Transportation on~~ ____ (Date), are essential documents of this contract and are a part hereof.

4. IN WITNESS WHEREOF, The said parties have executed these presents on the date above mentioned.

Attest: Janet M. Sinclair Clerk

(Seal)

The Village of Buffalo Grove

By Beverly Sussman
Party of the First Part

(If a Corporation)

Corporate Name A Lamp Concrete Contractors, Inc.

By Adele Lampignano
President Adele Lampignano Party of the Second Part

Attest: Adele Lampignano
Secretary Adele Lampignano

A LAMP CONCRETE CORPORATE SEAL ILLINOIS CONTRACTORS INC.

(If a Co-Partnership)

Partners doing Business under the firm name of

Party of the Second Part

(If an individual)

Party of the Second Part

Illinois Department of Transportation

Contract Bond

Route **Various**
County **Cook/Lake**
Local Agency **V. of Buffalo Grove**
Section **N/A**

Bond No.1074727

We, **A. Lamp Concrete Contractors, Inc.**

1900 Wright Blvd, Schaumburg, IL 60193

a/an) ☐ Individual ☐ Co-partnership ☒ Corporation organized under the laws of the State of **IL**,

as PRINCIPAL, and **The Hanover Insurance Company**

440 Lincoln Street, Worcester, MA 01653 as SURETY,

are held and firmly bound unto the above Local Agency (hereafter referred to as "LA") in the penal sum of
One Million Seven Hundred Ninety Thousand Seven And 69/100

Dollars (**$1,790,007.69**), lawful money of the United States, well and truly to be paid unto said LA, for the payment of which we bind ourselves, our heirs, executors, administrators, successors, jointly to 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 has entered into a written contract with the LA acting through its awarding authority for the construction of work on the above section, which contract is hereby referred to and made a part hereof, as if written herein at length, and whereby the said Principal has promised and agreed to perform said work in accordance with the terms of said contract, and has promised to pay all sums of money due for any labor, materials, apparatus, fixtures or machinery furnished to such Principal for the purpose of performing such work and has further agreed to pay all direct and indirect damages to any person, firm, company or corporation suffered or sustained on account of the performance of such work during the time thereof and until such work is completed and accepted; and has further agreed that this bond shall inure to the benefit of any person, firm, company or corporation to whom any money may be due from the Principal, subcontractor or otherwise for any such labor, materials, apparatus, fixtures or machinery so furnished and that suit may be maintained on such bond by any such person, firm, company or corporation for the recovery of any such money.

NOW THEREFORE, if the said Principal shall well and truly perform said work in accordance with the terms of said contract, and shall pay all sums of money due or to become due for any labor, materials, apparatus, fixtures or machinery furnished to him for the purpose of constructing such work, and shall commence and complete the work within the time prescribed in said contract, and shall pay and discharge all damages, direct and indirect, that may be suffered or sustained on account of such work during the time of the performance thereof and until the said work shall have been accepted, and shall hold the LA and its awarding authority harmless on account of any such damages and shall in all respects fully and faithfully comply with all the provisions, conditions and requirements of said contract, then this obligation to be void; otherwise to remain in full force and effect.

IN TESTIMONY WHEREOF, the said PRINCIPAL and the said SURETY have caused this instrument to be signed by their respective officers this **12th** day of **March** A.D. **2019**

PRINCIPAL

A. Lamp Concrete Contractors, Inc.
(Company Name) | (Company Name)

By: Adele Lampignano
(Signature & Title)

By: ______________________
(Signature & Title)

Attest: Adele Lampignano
(Signature & Title)

Attest: ______________________
(Signature & Title)

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

STATE OF ILLINOIS,
COUNTY OF Cook
I, Kelly L. Biello, a Notary Public in and for said county, do hereby certify that

Adele Lampignano

(Insert names of individuals signing on behalf or PRINCIPAL)

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

Given under my hand and notarial seal this 12 day of March
My commission expires 11/16/2020
Kelly L. Biello
Notary Public

"OFFICIAL SEAL"
KELLY L. BIELLO
Notary Public, State of Illinois
My Commission Expires 11/16/20

(SEAL)

SURETY

The Hanover Insurance Company
(Name of Surety)

By: ______________________
(Signature of Attorney-in-Fact)

Todd Schaap (SEAL)

STATE OF WISCONSIN,
COUNTY OF **Racine**
I, **Jackie Sheldon**, a Notary Public in and for said county, do hereby certify that

Todd Schaap
(Insert names of individuals signing on behalf or SURETY)

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

Given under my hand and notarial seal this **12th** day of **March** A.D. **2019**

My commission expires **2/13/2023**
Jackie Sheldon
Notary Public

(SEAL)

NOTARY PUBLIC
JACKIE SHELDON
STATE OF WISCONSIN

Approved this 18TH day of MARCH, A.D. 2019

Attest:
Janet M. Siwsbin

Village Clerk

Beverly Sassman
(Awarding Authority)
(Chairman/Mayor/President)

THE HANOVER INSURANCE COMPANY
MASSACHUSETTS BAY INSURANCE COMPANY
CITIZENS INSURANCE COMPANY OF AMERICA

POWER OF ATTORNEY

THIS Power of Attorney limits the acts of those named herein, and they have no authority to bind the Company except in the manner and to the extent herein stated.
KNOW ALL PERSONS BY THESE PRESENTS:

That THE HANOVER INSURANCE COMPANY and MASSACHUSETTS BAY INSURANCE COMPANY, both being corporations organized and existing under the laws of the State of New Hampshire, and CITIZENS INSURANCE COMPANY OF AMERICA, a corporation organized and existing under the laws of the State of Michigan, (hereinafter individually and collectively the "Company") does hereby constitute and appoint,

Thomas O. Chambers, Todd Schaap, Daniel Gibson, Eric Olson, Kimberly S. Rasch, Jackie Sheldon and/or Josie Benson

Of **Shorewest Surety Services, Inc. of Racine, WI** each individually, if there be more than one named, as its true and lawful attorney(s)-in-fact to sign, execute, seal, acknowledge and deliver for, and on its behalf, and as its act and deed any place within the United States, any and all surety bonds, recognizances, undertakings, or other surety obligations. The execution of such surety bonds, recognizances, undertakings or surety obligations, in pursuance of these presents, shall be as binding upon the Company as if they had been duly signed by the president and attested by the secretary of the Company, in their own proper persons. Provided however, that this power of attorney limits the acts of those named herein; and they have no authority to bind the Company except in the manner stated and to the extent of any limitation stated below:

Any such obligations in the United States, not to exceed Forty Million and No/100 ($40,000,000) in any single instance

That this power is made and executed pursuant to the authority of the following Resolutions passed by the Board of Directors of said Company, and said Resolutions remain in full force and effect:

RESOLVED: That the President or any Vice President, in conjunction with any Vice President, be and they hereby are authorized and empowered to appoint Attorneys-in-fact of the Company, in its name and as it acts, to execute and acknowledge for and on its behalf as surety, any and all bonds, recognizances, contracts of indemnity, waivers of citation and all other writings obligatory in the nature thereof, with power to attach thereto the seal of the Company. Any such writings so executed by such Attorneys-in-fact shall be binding upon the Company as if they had been duly executed and acknowledged by the regularly elected officers of the Company in their own proper persons.

RESOLVED: That any and all Powers of Attorney and Certified Copies of such Powers of Attorney and certification in respect thereto, granted and executed by the President or Vice President in conjunction with any Vice President of the Company, shall be binding on the Company to the same extent as if all signatures therein were manually affixed, even though one or more of any such signatures thereon may be facsimile. (Adopted October 7, 1981 – The Hanover Insurance Company; Adopted April 14, 1982 – Massachusetts Bay Insurance Company; Adopted September 7, 2001 – Citizens Insurance Company of America)

IN WITNESS WHEREOF, THE HANOVER INSURANCE COMPANY, MASSACHUSETTS BAY INSURANCE COMPANY and CITIZENS INSURANCE COMPANY OF AMERICA have caused these presents to be sealed with their respective corporate seals, duly attested by two Vice Presidents, this **15th** day of **March, 2017**.

The Hanover Insurance Company
Massachusetts Bay Insurance Company
Citizens Insurance Company of America

John C. Roche, EVP and President

The Hanover Insurance Company
Massachusetts Bay Insurance Company
Citizens Insurance Company of America

James H. Kawiecki, Vice President

THE COMMONWEALTH OF MASSACHUSETTS)
COUNTY OF WORCESTER) ss.

On this **15th** day of **March, 2017** before me came the above named Vice Presidents of The Hanover Insurance Company, Massachusetts Bay Insurance Company and Citizens Insurance Company of America, to me personally known to be the individuals and officers described herein, and acknowledged that the seals affixed to the preceding instrument are the corporate seals of The Hanover Insurance Company, Massachusetts Bay Insurance Company and Citizens Insurance Company of America, respectively, and that the said corporate seals and their signatures as officers were duly affixed and subscribed to said instrument by the authority and direction of said Corporations.

DIANE J. MARINO
Notary Public
COMMONWEALTH OF MASSACHUSETTS
My Commission Expires
March 4, 2022

Diane J. Marino, Notary Public
My Commission Expires March 4, 2022

I, the undersigned Vice President of The Hanover Insurance Company, Massachusetts Bay Insurance Company and Citizens Insurance Company of America, hereby certify that the above and foregoing is a full, true and correct copy of the Original Power of Attorney issued by said Companies, and do hereby further certify that the said Powers of Attorney are still in force and effect.

GIVEN under my hand and the seals of said Companies, at Worcester, Massachusetts, this **12th** day of **March** **2019**

CERTIFIED COPY

Theodore G. Martinez, Vice President

Illinois Department of Transportation

Local Public Agency Formal Contract Proposal

PROPOSAL SUBMITTED BY		
A Lamp Concrete Contractors, Inc.		
Contractor's Name		
1900 Wright Boulevard		
Street		P.O. Box
Schaumburg, IL 60193		
City	State	Zip Code

STATE OF ILLINOIS

COUNTY OF Cook/Lake

Village of Buffalo Grove

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

FOR THE IMPROVEMENT OF

STREET NAME OR ROUTE NO. 2019 Street Improvement Project

SECTION NO. N/A

TYPES OF FUNDS General (Local)

☒ 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.

NOTICE TO BIDDERS

County Cook/Lake
Local Public Agency V. of Buffalo Grove
Section Number N/A
Route Various

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 10:30 AM (Time) on February 28, 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 10:30 AM (Time) on February 28, 2019 (Date)

DESCRIPTION OF WORK

Name 2019 Street Improvement Project Length: 7890.00 feet (1.49 miles)
Location Caren Drive; Ronnie Drive; Fremont Way, Village of Buffalo Grove
Proposed Improvement Roadway Reconstruction; Roadway Resurfacing; HMA Pavement Patching; and other associated improvements.

1. Plans and proposal forms will be available in the office of Gewalt Hamilton Associates, Inc.
   http://www.gha-engineers.com/bidding-info (Download Fee: $20) (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. Each proposal should be submitted in an opaque envelops and shall be marked to clearly indicate its contents. When sent by mail, the sealed proposed shall be addressed to the Village of Buffalo Grove 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.

11. All prime contractors shall be IDOT prequalified contractors with a value equal to or greater for the type of work they are to perform as part of the Contract. Furthermore, all bidders are required to register with the Village of Buffalo Grove at:

    https://vrapp.vendorregistry.com/Vendor/Register/Index/buffalo-grove-village-of-il-vendor-registration
    OR
    www.vbg.org/bids

All communication during the bid process shall be directed to:

Gewalt Hamilton Associates, Inc.
Attn: Brian Wesolowski, PE
625 Forest Edge Drive
Vernon Hills, Illinois 60061
(847) 821-6235
bwesolowski@gha-engineers.com

PROPOSAL

County Cook/Lake
Local Public Agency V. of Buffalo Grove
Section Number N/A
Route Various

1. Proposal of A Lamp Concrete Contractors, Inc.

   for the improvement of the above section by the construction of HMA Surface Removal; Pavement Removal; Earth Excavation; Preparation of Base; Class D Patches; Structure Adjustments; Curb and Gutter Removal and Replacement; Sidewalk Improvements; Leveling Binder (MM); HMA Binder Course; HMA Surface Course; Concrete Driveway Removal and Replacement; Landscape Restoration; and other associated improvements for a total distance of 7890.00 feet, of which a distance of 7890.00 feet, (1.490 miles) are to be improved.

2. The plans for the proposed work are those prepared by Gewalt Hamilton Associates, 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 06/28/2019 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. 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. 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.

8. 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.

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

10. The undersigned submits herewith the schedule of prices on BLR 12200a covering the work to be performed under this contract.

RETURN WITH BID

VoBG-2019-07

SCHEDULE OF PRICES
ADDENDUM 01

Base Bid Scope of Work:
For the complete scope of work and information covering these items, see the plans and specifications.

2019 STREET IMPROVEMENT PROJECT

The following Unit Prices will be used for basis of payment and shall be the bidder's proposal for completing the entire improvements herein.

PAY ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	VALUE
1	TREE ROOT PRUNING	2,295.0	FT	$ 1	$ 2
2	TREE TRUNK PROTECTION	130.0	EA	$	$ 1
3	INLET FILTERS	23.0	EA	$	$ 130
4	TEMPORARY RAMP	120.0	SY	$	$ 1
5	GENERAL LANDSCAPE RESTORATION (SPECIAL)	6,200.0	SY	$	$ .6
6	SUPPLEMENTAL WATERING	250.0	UN	$ 1	$
7	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	870.0	CY	$ 2	$
8	AGGREGATE SUBGRADE IMPROVEMENT	870.0	CY	$ 20	$ 1 1
9	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	11,815.0	SY	$	$
10	TRENCH BACKFILL, FA-1 (SPECIAL)	374.0	CY	$ 40	$ 14,960
11	AGGREGATE BASE COURSE, TYPE B VARIES (SPECIAL)	5,955.0	TN	$ 15	$ 89,325
12	AGGREGATE BASE COURSE, TYPE B 4" (SPECIAL)	2,745.0	SY	$ 5	$ 1
13	PREPARATION OF BASE	1,915.0	SY	$	$ 1.15
14	AGGREGATE BASE REPAIR	95.0	TN	$	$ 3
15	PAVEMENT REMOVAL	13,725.0	SY	$	$ 1 1
16	HOT-MIX ASPHALT SURFACE REMOVAL, 3"	12,725.0	SY	$ 2	$ 25,450
17	DRIVEWAY PAVEMENT REMOVAL	1,625.0	SY	$ 9	$ 4,162
18	COMBINATION CURB AND GUTTER REMOVAL	11,130.0	FT	$	$ .55
19	SIDEWALK REMOVAL	3,765.0	SF	$	$ 4
20	BITUMINOUS MATERIALS (TACK COAT)	11,600.0	LB	$	$
21	HOT-MIX ASPHALT REMOVAL - BUTT JOINT	240.0	SY	$	$ 4
22	LEVELING BINDER (MACHINE METHOD), (SPECIAL)	715.0	TN	$ 76	$ 4,6
23	HOT-MIX ASPHALT BINDER COURSE (SPECIAL)	1,945.0	TN	$ 15	$
24	HOT-MIX ASPHALT SURFACE COURSE (SPECIAL)	2,985.0	TN	$ 76.50	$ 5
25	COMB CONCRETE CURB AND GUTTER, TYPE B-4.12 (SPECIAL)	9,490.0	FT	$ 20	$ 189,8
26	COMB CONCRETE CURB AND GUTTER, TYPE B-6.12 (SPECIAL)	485.0	FT	$	$ 1 1
27	COMB CONCRETE CURB AND GUTTER, TYPE M-6.12 (SPECIAL)	1,165.0	FT	$	$ 24,465
28	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	1,625.0	SY	$ 5	$
29	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	3,345.0	SF	$ 6	$ 20,07
30	ISLAND PAVEMENT (5")	75.0	SF	$ 8	$ 600
31	DETECTABLE WARNINGS	50.0	SF	$	$ 2
32	DETECTABLE WARNINGS (FURNISHED BY OTHERS)	275.0	SF	$ 2	$ 6,875
33	CLASS D PATCHES, TYPE I, 8 INCH	180.0	SY	$ 6	$ 10,800
34	CLASS D PATCHES, TYPE II, 8 INCH	280.0	SY	$	$ 14,000
35	CLASS D PATCHES, TYPE III, 8 INCH	360.0	SY	$ 46	$ 14,400
36	CLASS D PATCHES, TYPE IV, 8 INCH	530.0	SY	$ 46	$ 24,380

PAY ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	VALUE
37	REMOVE AND STACK BRICK PAVER DRIVEWAY PAVEMENT (SPECIAL)	20.0	SF	$	$
38	INLETS, TYPE A, EAST JORDAN 7210 FRAME, TYPE M3 GRATE	1.0	EA	$ 1,500	$ 1,5
39	DRAINAGE STRUCTURES TO BE ADJUSTED	7.0	EA	$	$ 4
40	DRAINAGE STRUCTURES TO BE ADJUSTED WITH NEW FRAME AND GRATE	15.0	EA	$ 600	$ 9,00
41	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	8.0	EA	$ 1 CC	$
42	SANITARY MANHOLES TO BE ADJUSTED	6.0	EA	$ 525	$
43	VALVE VAULTS TO BE ADJUSTED	1.0	EA	$ 3	$ 3
44	SANITARY/STORM SEWER TO BE REMOVED, UP TO 18 INCHES (SPECIAL)	50.0	FT	$ 2	$ 1 5X
45	SANITARY SEWER, 8"	10.0	FT	$ 30	$ 3,00
46	STORM SEWERS, CLASS A, TYPE 1 12"	10.0	FT	$	$
47	STORM SEWERS, CLASS B 12"	30.0	FT	$	$
48	STORM SEWERS, CLASS B 18"	10.0	FT	$	$
49	SANITARY SEWER CONNECTION (SPECIAL)	2.0	EA	$ 5	$ 1
50	STORM SEWER CONNECTION (SPECIAL)	8.0	EA	$ 5	$ 6
51	PIPE UNDERDRAINS, 4" (SPECIAL)	2,715.0	FT	$	$ 6
52	BUFFALO BOX FRAME & LID (SPECIAL)	10.0	EA	$ C	$ 5,0
53	DETECTOR LOOP REPLACEMENT	85.0	FT	$ 50	$ 4
54	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	1.0	EA	$	$
55	TEMPORARY INFORMATION SIGNING	330.0	SF	$ 1	$
56	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	1.0	LS	$ 120	$ 1
57	TREE, MALUS IOENSIS (IOWA CRABAPPLE), 2-1/2" CALIPER, TREE FORM	3.0	EA	$ 7	$ 1
58	TEMPORARY EROSION CONTROL SEEDING	6,200.0	SY	$ 1	$ 6,200.
59	(TEMPORARY) MULCH METHOD 3	6,200.0	SY	$	$ 6
60	MOWING	13.0	EA	$	$ 1
61	MOBILIZATION	1.0	LS	$	$

PROPOSAL OF UNIT PRICE BID TOTAL: $ _____

Written Amount for Proposal fo Unit Price Bid Total:

_____

CONTRACTOR CERTIFICATIONS

County Cook/Lake
Local Public Agency V. of Buffalo Grove
Section Number N/A
Route Various

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 Village of Buffalo Grove 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 or the Village of Buffalo Grove 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 herby represents and warrants to the Village of Buffalo Grove as a term and condition of acceptance of the this (bid or purchase order) that none of the following Village Officials are either an office 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, state 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)_____

County Cook/Lake
Local Public Agency V. of Buffalo Grove
Section Number N/A
Route Various

SIGNATURES

(If an individual)

Signature of Bidder
Printed Name
Business Address

(If a partnership)

Firm Name
Signed By
Printed Name
Business Address

Inset Names and Addressed of All Partners

(If a corporation)

Corporate Name A Lamp Concrete Contractors, Inc.
Signed By Adele Lampignano
Printed Name Adele Lampignano
President
Business Address 1900 Wright Boulevard
Schaumburg, IL 60193

Insert Names of Officers
President Adele Lampignano
Secretary Adele Lampignano
Treasurer Adele Lampignano

Attest: Adele Lampignano
Secretary Adele Lampignano

Illinois Department of Transportation

VoBG-2019-07

Local Agency Proposal Bid Bond

Route **Various**
County **Cook/Lake**
Local Agency **V. of Buffalo Grove**
Section **N/A**

RETURN WITH BID

PAPER BID BOND

WE **A. Lamp Concrete Contractors, Inc.** as PRINCIPAL,

and **The Hanover Insurance Company** as SURETY,

are held jointly, severally and firmly bound unto the above Local Agency (hereafter referred to as "LA") in the penal sum of 10% 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 **28th** day of **February** **2019**

Principal

A. Lamp Concrete Contractors, Inc.
(Company Name)

By: _____
(Signature and Title) **Adele Lampignano, President**

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

_____
(Company Name)

By: _____
(Signature and Title)

Surety

The Hanover Insurance Company
(Name of Surety)

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

Todd Schaap

STATE OF WISCONSIN,
COUNTY OF **Racine**

I, **Jackie Sheldon**, a Notary Public in and for said county,
do hereby certify that **Adele Lampignano and Todd Schaap**
(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 **28th** day of **February** **2019**

My commission expires **2/13/2023**

_____
(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

BLR 12230 (Rev. 7/05

THE HANOVER INSURANCE COMPANY
MASSACHUSETTS BAY INSURANCE COMPANY
CITIZENS INSURANCE COMPANY OF AMERICA

POWER OF ATTORNEY

THIS Power of Attorney limits the acts of those named herein, and they have no authority to bind the Company except in the manner and to the extent herein stated.
KNOW ALL PERSONS BY THESE PRESENTS:

That THE HANOVER INSURANCE COMPANY and MASSACHUSETTS BAY INSURANCE COMPANY, both being corporations organized and existing under the laws of the State of New Hampshire, and CITIZENS INSURANCE COMPANY OF AMERICA, a corporation organized and existing under the laws of the State of Michigan, (hereinafter individually and collectively the "Company") does hereby constitute and appoint,

Thomas O. Chambers, Todd Schaap, Daniel Gibson, Eric Olson, Kimberly S. Rasch, Jackie Sheldon and/or Josie Benson

Of **Shorewest Surety Services, Inc. of Racine, WI** each individually, if there be more than one named, as its true and lawful attorney(s)-in-fact to sign, execute, seal, acknowledge and deliver for, and on its behalf, and as its act and deed any place within the United States, any and all surety bonds, recognizances, undertakings, or other surety obligations. The execution of such surety bonds, recognizances, undertakings or surety obligations, in pursuance of these presents, shall be as binding upon the Company as if they had been duly signed by the president and attested by the secretary of the Company, in their own proper persons. Provided however, that this power of attorney limits the acts of those named herein; and they have no authority to bind the Company except in the manner stated and to the extent of any limitation stated below:

Any such obligations in the United States, not to exceed Forty Million and No/100 ($40,000,000) in any single instance

That this power is made and executed pursuant to the authority of the following Resolutions passed by the Board of Directors of said Company, and said Resolutions remain in full force and effect:

RESOLVED: That the President or any Vice President, in conjunction with any Vice President, be and they hereby are authorized and empowered to appoint Attorneys-in-fact of the Company, in its name and as it acts, to execute and acknowledge for and on its behalf as surety, any and all bonds, recognizances, contracts of indemnity, waivers of citation and all other writings obligatory in the nature thereof, with power to attach thereto the seal of the Company. Any such writings so executed by such Attorneys-in-fact shall be binding upon the Company as if they had been duly executed and acknowledged by the regularly elected officers of the Company in their own proper persons.

RESOLVED: That any and all Powers of Attorney and Certified Copies of such Powers of Attorney and certification in respect thereto, granted and executed by the President or Vice President in conjunction with any Vice President of the Company, shall be binding on the Company to the same extent as if all signatures therein were manually affixed, even though one or more of any such signatures thereon may be facsimile. (Adopted October 7, 1981 – The Hanover Insurance Company; Adopted April 14, 1982 – Massachusetts Bay Insurance Company; Adopted September 7, 2001 – Citizens Insurance Company of America)

IN WITNESS WHEREOF, THE HANOVER INSURANCE COMPANY, MASSACHUSETTS BAY INSURANCE COMPANY and CITIZENS INSURANCE COMPANY OF AMERICA have caused these presents to be sealed with their respective corporate seals, duly attested by two Vice Presidents, this **15th** day of **March, 2017.**

The Hanover Insurance Company
Massachusetts Bay Insurance Company
Citizens Insurance Company of America

John C. Roche, EVP and President

The Hanover Insurance Company
Massachusetts Bay Insurance Company
Citizens Insurance Company of America

James H. Kawiecki, Vice President

THE COMMONWEALTH OF MASSACHUSETTS)
COUNTY OF WORCESTER) ss.

On this **15th** day of **March, 2017** before me came the above named Vice Presidents of The Hanover Insurance Company, Massachusetts Bay Insurance Company and Citizens Insurance Company of America, to me personally known to be the individuals and officers described herein, and acknowledged that the seals affixed to the preceding instrument are the corporate seals of The Hanover Insurance Company, Massachusetts Bay Insurance Company and Citizens Insurance Company of America, respectively, and that the said corporate seals and their signatures as officers were duly affixed and subscribed to said instrument by the authority and direction of said Corporations.

DIANE J. MARINO
Notary Public
Commonwealth of Massachusetts
My Commission Expires
March 4, 2022

Diane J. Marino, Notary Public
My Commission Expires March 4, 2022

I, the undersigned Vice President of The Hanover Insurance Company, Massachusetts Bay Insurance Company and Citizens Insurance Company of America, hereby certify that the above and foregoing is a full, true and correct copy of the Original Power of Attorney issued by said Companies, and do hereby further certify that the said Powers of Attorney are still in force and effect.

GIVEN under my hand and the seals of said Companies, at Worcester, Massachusetts, this **28th** day of **February** **2019**

CERTIFIED COPY

Theodore G. Martinez, Vice President

RETURN WITH BID

VoBG-2019-07

Affidavit of Illinois Business Office

County Cook/Lake
Local Public Agency V. of Buffalo Grove
Section Number N/A
Route Various

State of Illinois)
) ss.
County of Cook)

I, Adele Lampignano (Name of Affiant) of Schaumburg (City of Affiant), Illinois (State of Affiant),

being first duly sworn upon oath, states as follows:

1. That I am the President (officer or position) of A Lamp Concrete Contractors, Inc. (bidder).
2. That I have personal knowledge of the facts herein stated.
3. That, if selected under this proposal, A Lamp Concrete Contractors, Inc. (bidder), will maintain a business office in the State of Illinois which will be located in Cook 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.

Adele L. Lampignano
(Signature)
Adele Lampignano, President
(Print Name of Affiant)

This instrument was acknowledged before me on 28th day of February, 2019.

(SEAL)

"OFFICIAL SEAL"
KELLY L. BIELLO
Notary Public, State of Illinois
My Commission Expires 11/16/20

(Signature of Notary Public)

Printed 1/8/2019

BLR 12326 (01/08/14)

Illinois Department of Transportation

Bureau of Construction
2300 South Dirksen Parkway/Room 323
Springfield, Illinois 62764

Affidavit of Availability
For the Letting of 03/08/19

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	5	
Contract Number	61E17				61E78	
Contract With	IDOT	CCDoTH	Glen Ellyn SD 41	Franklin Park	IDOT	
Estimated Completion Date	75 Working Days	8/1/2017	8/15/2019	11/1/2018	11/30/2018	
Total Contract Price	$2,639,770.91	$ 889,351.29	$ 444,597.75	$ 744,577.00	$ 448,662.85	Accumulated Totals
Uncompleted Dollar Value if Firm is the Prime Contractor	$ 2,639,770.91	$ 159,075.00	$ 444,597.75	$ 38,765.00	$ 391,930.80	$ 3,674,139.46
Uncompleted Dollar Value if Firm is the Subcontractor						$ -
				Total Value of All Work		$ 3,674,139.46

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	$373,269.50	$ -	$128,622.50	$5,000.00	$40,000.00	$ 546,892.00
Portland Cement Concrete Paving	$ -					$ -
HMA Plant Mix		$ -				$ -
HMA Paving	$130,061.02	$ -	$164,627.50	$0.00	$57,692.55	$ 352,381.07
Clean & Seal Cracks/ Joints						$ -
Aggregate Bases & Surfaces	$47,889.50	$ -	$79,865.25	$0.00	$30,088.00	$ 157,842.75
Highway,R.R.& Water Structures						$ -
Drainage	$842,310.00	$ -	$0.00	$0.00	$5,220.00	$ 847,530.00
Electrical						$ -
Cover and Seal Coats						$ -
Concrete Construction	$144,506.50	$ 2,500.00	$32,640.00	$0.00	$41,808.75	$ 221,455.25
Landscaping	$121,889.95	$ -	$4,450.00	$23,860.00		$ 150,199.95
Fencing						$ -
Guardrail						$ -
Painting						$ -
Signing	$5,980.00	$ 1,575.00	$1,250.00		$6,280.00	$ 15,085.00
Cold Milling, Planning & Rotomilling	$ -	$ -	$6,277.50	$0.00	$6,565.00	$ 12,842.50
Demolition		$ -				$ -
Pavement Markings (Paint)						$ -
Other Construction (List)	$279,916.64	$ 5,000.00	$18,250.00	$5,000.00	$35,000.00	$ 343,166.64
						$ -
Totals	**$ 1,945,823.11**	**$ 9,075.00**	**$ 436,982.75**	**$ 33,860.00**	**$ 222,654.30**	**$ 2,647,395.16**

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	5
Subcontractor					
Type of Work	Directional Boring	Brick Paving	Layout	Pavement Marking	Electrical
Subcontract Price	$85,025.00	$72,315.00	$5,950.00	$4,905.00	$81,537.30
Amount Uncompleted	**$85,025.00**	**$0.00**	**$5,950.00**	**$4,905.00**	**$75,000.00**
Subcontractor					
Type of Work	Electrical	Layout	Pavement Marking	Tree Care	Fencing
Subcontract Price	$6,625.00	$4,500.00	$2,665.00	$1,500.00	$13,750.00
Amount Uncompleted	**$6,625.00**	**$0.00**	**$2,665.00**	**$0.00**	**$13,750.00**
Subcontractor					
Type of Work	Fencing	Pavement Marking			Landscaping
Subcontract Price	$118,792.00	$8,231.35			$61,339.50
Amount Uncompleted	**$118,792.00**	**$0.00**			**$61,339.50**
Subcontractor					
Type of Work	Layout	Tree Care			Layout
Subcontract Price	$12,000.00	$1,147.00			$7,800.00
Amount Uncompleted	**$12,000.00**	**$0.00**			**$5,000.00**
Subcontractor					
Type of Work	Pavement Marking	Electrical			Pavement Marking
Subcontract Price	$3,764.75	$436,967.05			$10,687.00
Amount Uncompleted	**$3,764.75**	**$150,000.00**		**$ -**	**$10,687.00**
Subcontractor					
Type of Work	Structural Concrete				Tree Care
Subcontract Price	$ 430,850.25				$10,298.00
Amount Uncompleted	**$ 430,850.25**		**$ -**	**$ -**	**$3,500.00**
Subcontractor					
Type of Work	Tree Care				
Subcontract Price	$36,890.80				
Amount Uncompleted	**$36,890.80**		**$ -**	**$ -**	**$ -**
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted	**$ -**				
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted	**$ -**				
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Amount Uncompleted	**$ -**				

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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	$ 693,947.80	$ 150,000.00	$ 8,615.00	$ 4,905.00	$ 169,276.50
Totals	$ 693,947.80	$ 523,160.40	$ 8,615.00	$ 6,405.00	$ 185,411.80

Illinois Department of Transportation

Bureau of Construction
3300 South Dirksen Parkway, Room 322
Springfield, Illinois 62764

Affidavit of Availability
For the Letting of 03/08/19

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**

	6	7	8	9	10	
Contract Number						
Contract With	Highland Park	Lake County	District 207	Lisle CUSD 202	LCDOT	
Estimated Completion Date	11/9/2018	6/1/2017	8/8/2018	8/15/2019	11/16/2018	
Total Contract Price	$ 858,991.86	$ 252,742.00	$ 1,233,547.50	$ 390,551.00	$ 3,829,836.68	Accumulated Totals
Uncompleted Dollar Value if Firm is the Prime Contractor	$ 125,578.00	$ 95,055.00	$ 68,300.00	$ 390,551.00	$ 1,840,368.59	$ 2,519,852.59
Uncompleted Dollar Value if Firm is the Subcontractor		$ -				$ -
				Total Value of All Work		$ 2,519,852.59

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	$10,000.00	$ -	$0.00	$35,137.75	$150,000.00	$ 195,137.75
Portland Cement Concrete Paving		$ -		$0.00	$ -	$ -
HMA Plant Mix						$ -
HMA Paving	$10,000.00	$ 50,000.00	$0.00	$134,752.50	$370,000.00	$ 564,752.50
Clean & Seal Cracks/ Joints						$ -
Aggregate Bases & Surfaces	$7,500.00	$ 1,775.00	$ -	$3,840.00	$ 40,000.00	$ 53,115.00
Highway,R.R.& Water Structures		$ -				$ -
Drainage	$5,000.00	$ 7,500.00	$0.00	$33,675.00	$45,000.00	$ 91,175.00
Electrical				$1,680.00		$ 1,680.00
Cover and Seal Coats						$ -
Concrete Construction	$35,000.00	$ -	$0.00	$74,105.00	$240,000.00	$ 349,105.00
Landscaping	$24,615.00	$ -	$5,000.00	$0.00	$6,700.00	$ 36,315.00
Fencing						$ -
Guardrail						$ -
Painting						$ -
Signing	$0.00		$800.00	$1,750.00		$ 2,550.00
Cold Milling, Planning & Rotomilling	$0.00	$ 20,000.00	$0.00	$27,410.75	$31,524.50	$ 78,935.25
Demolition		$ -				$ -
Pavement Markings (Paint)						$ -
Other Construction (List)	$20,000.00	$ 5,500.00	$5,000.00	$63,200.00	$150,000.00	$ 243,700.00
						$ -
Totals	**$ 112,115.00**	**$ 84,775.00**	**$ 10,800.00**	**$ 375,551.00**	**$ 1,033,224.50**	**$ 1,616,465.50**

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.

	6	7	8	9	10
Subcontractor					
Type of Work	Fencing	Pavement Marking	Electrical	Layout	Brick Paving
Subcontract Price	$217,824.00	$10,280.00	$7,830.00	$9,500.00	$52,780.00
Amount Uncompleted	$0.00	$10,280.00	$2,500.00	$9,500.00	$52,780.00
Subcontractor					
Type of Work	Layout		Fencing		Cracksealing
Subcontract Price	$14,000.00		$151,500.00		$12,267.20
Amount Uncompleted	$5,000.00		$5,000.00		$12,267.20
Subcontractor					
Type of Work	Pavement Marking		Sealcoating	Pavement Marking	Electrical
Subcontract Price	$5,963.00		$23,650.00	$5,500.00	$561,192.70
Amount Uncompleted	$5,963.00		$0.00	$5,500.00	$480,000.00
Subcontractor					
Type of Work	Tree Care		Sport Coating		Fencing
Subcontract Price	$6,760.00		$468,280.00		$65,510.00
Amount Uncompleted	$2,500.00		$50,000.00		$65,510.00
Subcontractor					
Type of Work			Tree Care		Landscaping
Subcontract Price			$600.00		$66,582.09
Amount Uncompleted			$0.00		$66,582.09
Subcontractor					
Type of Work					Layout
Subcontract Price					$77,500.00
Amount Uncompleted					$45,000.00
Subcontractor					
Type of Work					Masonry
Subcontract Price					$37,450.00
Amount Uncompleted					$37,450.00
Subcontractor					
Type of Work					Pavement Marking
Subcontract Price					$47,554.80
Amount Uncompleted					$47,554.80
Total Uncompleted	**$ 13,463.00**	**$ 10,280.00**	**$ 57,500.00**	**$ 15,000.00**	**$ 807,144.09**
Totals	**$ 244,547.00**	**$ 10,280.00**	**$ 651,860.00**	**$ 15,000.00**	**$ 920,836.79**

Illinois Department of Transportation

Affidavit of Availability

For the Letting of 03/08/19

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

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	11	12	13	14	15	
Contract Number		61E75		61F03	61F16	
Contract With	Hoffman Estates	IDOT	Melrose Park	IDOT	IDOT	
Estimated Completion Date	11/16/2018	40 Working Days	9/30/2018	35 Working Days	10/15/2019	
Total Contract Price	$ 554,387.01	$ 489,823.58	$ 514,367.11	$ 172,822.95	$ 4,089,410.50	Accumulated Totals
Uncompleted Dollar Value if Firm is the Prime Contractor	$ 70,216.51	$ 489,823.58	$ 77,532.00	$ 172,822.95	$ 4,089,410.50	$ 4,899,805.54
Uncompleted Dollar Value if Firm is the Subcontractor						$ -
				Total Value of All Work		$ 4,899,805.54

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	$5,000.00	$28,131.75	$0.00	$16,790.00	$624,000.00	$ 673,921.75
Portland Cement Concrete Paving		$ -	$0.00			$ -
HMA Plant Mix		$ -				$ -
HMA Paving	$44,647.76	$153,046.13		$0.00	$82,975.00	$ 280,668.89
Clean & Seal Cracks/ Joints		$ -				$ -
Aggregate Bases & Surfaces		$14,540.00	$ -	$6,648.25	$122,650.00	$ 143,838.25
Highway,R.R.& Water Structures		$ -				$ -
Drainage	$2,500.00	$44,177.00	$0.00	$0.00	$1,437,310.00	$ 1,483,987.00
Electrical		$ -				$ -
Cover and Seal Coats						$ -
Concrete Construction	$0.00	$33,063.50	$0.00	$58,000.00	$420,350.00	$ 511,413.50
Landscaping	$0.00	$0.00	$0.00	$14.100.00	$13.500.00	$ 27,600.00
Fencing	$6,300.00	.				$ 6,300.00
Guardrail						$ -
Painting						$ -
Signing	$300.00	$1,475.00	$2,532.00	$0.00	$4,750.00	$ 9,057.00
Cold Milling, Planning & Rotomilling	$6,468.75	$21,917.00		$0.00	$14,885.00	$ 43,270.75
Demolition						$ -
Pavement Markings (Paint)						$ -
Other Construction (List)	$5,000.00	$85,502.00	$5,000.00	$43,127.00	$591,982.50	$ 730,611.50
						$ -
Totals	**$ 70,216.51**	**$ 381,852.38**	**$ 7,532.00**	**$ 138,665.25**	**$ 3,312,402.50**	**$ 3,910,668.64**

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Part III. Work Subcontracted to Others

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

	11	12	13	14	15
Subcontractor					
Type of Work	Tree Care	Electrical	Electrical	Electrical	Asphalt Paving
Subcontract Price	$2,775.00	$68,146.70	$211,554.86	$23,946.45	$406,740.00
Amount Uncompleted	$0.00	$68,146.70	$70,000.00	$23,946.45	$406,740.00
Subcontractor					
Type of Work		Landscaping	Layout	Layout	Electrical
Subcontract Price		$13,284.80	$7,200.00	$2,000.00	$164,591.50
Amount Uncompleted		$13,284.80	$0.00	$2,000.00	$164,591.50
Subcontractor					
Type of Work		Layout	Pavement	Pavement Marking	Fencing
Subcontract Price		$7,500.00	$5,957.00	$4,187.50	$35,500.00
Amount Uncompleted		$7,500.00	$0.00	$4,187.50	$35,500.00
Subcontractor					
Type of Work		Pavement Marking		Tree Care	Irrigation
Subcontract Price		$14,668.30		$4,023.75	$21,350.00
Amount Uncompleted		$14,668.30	$ -	$4,023.75	$21,350.00
Subcontractor					
Type of Work		Sewer Cleaning			Landscaping
Subcontract Price		$4,371.40			$100,494.00
Amount Uncompleted		$4,371.40	$ -		$100,494.00
Subcontractor					
Type of Work					Layout
Subcontract Price					$17,500.00
Amount Uncompleted					$17,500.00
Subcontractor					
Type of Work					Pavement Marking
Subcontract Price					$20,200.00
Amount Uncompleted		$ -			$20,200.00
Subcontractor					
Type of Work					Tree Care
Subcontract Price					$10,632.50
Amount Uncompleted			$ -		$10,632.50
Total Uncompleted	**$ -**	**$ 107,971.20**	**$ 70,000.00**	**$ 34,157.70**	**$ 777,008.00**
Totals	**$ 2,775.00**	**$ 107,971.20**	**$ 224,711.86**	**$ 34,157.70**	**$ 777,008.00**

Illinois Department of Transportation

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

Affidavit of Availability
For the Letting of 03/08/19

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**

	16	17	18	19	20	
Contract Number						
Contract With	Wilmette	Wood Dale	Mundelein	Highwood	Winnetka	
Estimated Completion Date	11/9/2018	11/30/2018	11/30/2018	4/15/2018	11/1/2018	
Total Contract Price	$ 442,359.50	$ 648,895.75	$ 2,626,531.33	$ 279,830.00	$ 384,553.50	Accumulated Totals
Uncompleted Dollar Value if Firm is the Prime Contractor	$ 110,485.00	$ 24,715.00	$ 41,995.20	$ 279,830.00	$ 56,935.00	$ 513,960.20
Uncompleted Dollar Value if Firm is the Subcontractor						$ -
				Total Value of All Wrtal Value of All Work		$ 513,960.20

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	$10,000.00	$5,000.00	$5,000.00	$64,535.00	$15,000.00	$ 99,535.00
Portland Cement Concrete Paving	$ -		$0.00			$ -
HMA Plant Mix						$ -
HMA Paving	$1,485.00	$0.00		$74,685.00	$0.00	$ 76,170.00
Clean & Seal Cracks/ Joints						$ -
Aggregate Bases & Surfaces	$ 5,000.00	$0.00	$0.00	$37,750.00	$0.00	$ 42,750.00
Highway,R.R.& Water Structures						$ -
Drainage	$2,500.00	$0.00	$0.00	$15,800.00	$20,000.00	$ 38,300.00
Electrical						$ -
Cover and Seal Coats						$ -
Concrete Construction	$7,500.00	$0.00	$0.00	$41,000.00	$1,000.00	$ 49,500.00
Landscaping	$5,000.00	$5,360.00	$27,500.00	$4,515.00	$15,000.00	$ 57,375.00
Fencing					$935.00	$ 935.00
Guardrail						$ -
Painting						$ -
Signing						$ -
Cold Milling, Planning & Rotomilling	$ -	$0.00	$0.00	$1,000.00		$ 1,000.00
Demolition						$ -
Pavement Markings (Paint)						$ -
Other Construction (List)	$5,000.00	$5,000.00	$5,000.00	$29,000.00	$5,000.00	$ 49,000.00
						$ -
Totals	**$ 36,485.00**	**$ 15,360.00**	**$ 37,500.00**	**$ 268,285.00**	**$ 56,935.00**	**$ 414,565.00**

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Part III. Work Subcontracted to Others

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

	16	17	18	19	20
Subcontractor					
Type of Work	Brick Paving	Pavement Marking	HMA Paving	Layout	Layout
Subcontract Price	$130,070.00	$9,355.00	$348,048.63	$7,500.00	$5,500.00
Amount Uncompleted	$70,000.00	$9,355.00	$0.00	$7,500.00	$0.00
Subcontractor					
Type of Work	Irrigation		Electrical	Pavement Marking	Tree Care
Subcontract Price	$4,000.00		$231,111.75	$3,745.00	$5,950.00
Amount Uncompleted	$4,000.00		$0.00	$3,745.00	$0.00
Subcontractor					
Type of Work	Layout		Stabilization	Tree Care	
Subcontract Price	$6,500.00		$203,946.00	$300.00	
Amount Uncompleted	$0.00		$0.00	$300.00	
Subcontractor					
Type of Work	Tree Care		Layout		
Subcontract Price	$225.00		$25,000.00		
Amount Uncompleted	$0.00		$0.00		
Subcontractor					
Type of Work			Pavement Marking		
Subcontract Price			$4,495.20		
Amount Uncompleted			$4,495.20		
Subcontractor					
Type of Work			Tree Care		
Subcontract Price			$5,984.00		
Amount Uncompleted			$0.00		
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted			$ -		
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					$ -
Total Uncompleted	**$ 74,000.00**	**$ 9,355.00**	**$ 4,495.20**	**$ 11,545.00**	**$ -**
Totals	**$ 140,795.00**	**$ 9,355.00**	**$ 818,585.58**	**$ 11,545.00**	**$ 11,450.00**

Illinois Department of Transportation

Bureau of Construction
2300 South Dirksen Parkway / Room 323
Springfield, Illinois 62764

Affidavit of Availability
For the Letting of 03/08/19

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Part I. Work Under Contract

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	21	22	23	24	25	
Contract Number				SH029		
Contract With	Northlake	Hanover Township	Mt Prospect SD 57	IDOT	ECS	
Estimated Completion Date	8/30/2018	11/16/2018	8/2/2019	40 Calendar Days	12/31/2018	
Total Contract Price	$ 2,812,988.07	$49,298.00	$ 189,264.50	$ 309,614.14	$ 245,311.00	Accumulated Totals
Uncompleted Dollar Value if Firm is the Prime Contractor	$ 26,000.00	$ 42,886.00	$ 189,264.50	$ 309,614.14	$ 245,311.00	$ 813,075.64
Uncompleted Dollar Value if Firm is the Subcontractor						$ -
				Total Value of All Work		$ 813,075.64

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

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						Accumulated Totals
Earthwork	$ 5,000.00	$10,000.00	$5,600.00	$28,101.55	$150.00	$ 48,851.55
Portland Cement Concrete Paving	$ -					$ -
HMA Plant Mix						$ -
HMA Paving	$ 7,500.00	$10,000.00	$99,397.00	$143,100.49		$ 259,997.49
Clean & Seal Cracks/ Joints				$ -		$ -
Aggregate Bases & Surfaces	$ 2,500.00	$6,336.00	$16,785.00	$0.00		$ 25,621.00
Highway,R.R.& Water Structures						$ -
Drainage	$ -	$350.00	$0.00	$0.00	$241,591.00	$ 241,941.00
Electrical						$ -
Cover and Seal Coats						$ -
Concrete Construction	$ -	$ -	$0.00	$34,280.00		$ 34,280.00
Landscaping	$ 7,500.00	$16,200.00		$0.00		$ 23,700.00
Fencing						$ -
Guardrail						$ -
Painting						$ -
Signing	$0.00		$1,500.00	$1,900.00		$ 3,400.00
Cold Milling, Planning & Rotomilling	$ -	$ -	$16,000.00	$78,147.10	$970.00	$ 95,117.10
Demolition						$ -
Pavement Markings (Paint)	$ -					$ -
Other Construction (List)	$3,500.00	$ -	$47,500.00	$18,000.00		$ 69,000.00
						$ -
Totals	**$ 26,000.00**	**$ 42,886.00**	**$ 186,782.00**	**$ 303,529.14**	**$ 242,711.00**	**$ 801,908.14**

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Part III. Work Subcontracted to Others

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

	21	22	23	24	25
Subcontractor					
Type of Work	ARCCT		Pavement Marking	Pavement Marking	Tree Care
Subcontract Price	$ 18,440.50		$2,482.50	$6,085.00	$2,600.00
Amount Uncompleted	$ -		$2,482.50	$6,085.00	$2,600.00
Subcontractor					
Type of Work	CIPP				
Subcontract Price	$ 201,159.50				
Amount Uncompleted	$ -				
Subcontractor					
Type of Work	Electrical				
Subcontract Price	$198,986.72				
Amount Uncompleted	$0.00				
Subcontractor					
Type of Work	Layout				
Subcontract Price	$29,000.00				
Amount Uncompleted	$0.00				
Subcontractor					
Type of Work	Pavement Marking				
Subcontract Price	$ 5,878.00				
Amount Uncompleted	$ -				
Subcontractor					
Type of Work	Tree Care				
Subcontract Price	$ 3,650.00				
Amount Uncompleted	$ -				
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Total Uncompleted	**$ -**	**$ -**	**$ 2,482.50**	**$ 6,085.00**	**$ 2,600.00**
Totals	**$ 457,114.72**	**$ -**	**$ 2,482.50**	**$ 6,085.00**	**$ 2,600.00**

Illinois Department of Transportation

Bureau of Construction
2300 South Dirksen Parkway, Room 302
Springfield, Illinois 62764

Affidavit of Availability
For the Letting of 03/08/19

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Part I. Work Under Contract

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	26	27	28	29	30	
Contract Number						
Contract With	Glenview SD 34	Kenilworth	LCDOT	Elmhurst PD	Northbrook	
Estimated Completion Date	8/15/2019	6/21/2019	45 Wrk Days	6/1/2019	5/17/2019	
Total Contract Price	$ 62,956.00	$ 929,231.25	$ 168,680.39	$ 129,172.00	$ 345,465.40	Accumulated Totals
Uncompleted Dollar Value if Firm is the Prime Contractor	$ 62,956.00	$ 929,231.25	$ 37,925.61	$ 129,172.00	$ 345,465.40	$ 1,504,750.26
Uncompleted Dollar Value if Firm is the Subcontractor						$ -
				Total Value of All Work		$ 1,504,750.26

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

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						Accumulated Totals
Earthwork	$1,495.00	$10,131.00	$ 2,500.00	$8,160.50	$52,622.00	$ 74,908.50
Portland Cement Concrete Paving					$167,693.40	$ 167,693.40
HMA Plant Mix						$ -
HMA Paving	$3,750.00	$26,351.00	$ -	$68,790.00	$1,485.00	$ 100,376.00
Clean & Seal Cracks/ Joints						$ -
Aggregate Bases & Surfaces	$2,086.00	$ -	$ -	$1,520.00	$11,550.00	$ 15,156.00
Highway,R.R.& Water Structures						$ -
Drainage	$ -	$597,086.75	$ -	$0.00	$14,570.00	$ 611,656.75
Electrical	$ -					$ -
Cover and Seal Coats						$ -
Concrete Construction	$34,125.00	$38,879.50	$ 5,000.00	$9,182.75	$81,845.00	$ 169,032.25
Landscaping	$ -	$15,550.00	$ 21,890.00	$1,250.00	$0.00	$ 38,690.00
Fencing						$ -
Guardrail						$ -
Painting						$ -
Signing		$ -				$ -
Cold Milling, Planning & Rotomilling	$ -	$ -		$17,963.75	$0.00	$ 17,963.75
Demolition						$ -
Pavement Markings (Paint)						$ -
Other Construction (List)	$21,500.00	$92,500.00	$ 5,000.00	$19,305.00	$10,000.00	$ 148,305.00
						$ -
Totals	**$ 62,956.00**	**$ 780,498.25**	**$ 34,390.00**	**$ 126,172.00**	**$ 339,765.40**	**$ 1,343,781.65**

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Part III. Work Subcontracted to Others

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

	26	27	28	29	30
Subcontractor					
Type of Work	Layout	Directional Drilling	Electrical	Pavement Marking	Layout
Subcontract Price	$9,000.00	$119,203.00	$2,000.00	$3,000.00	$5,000.00
Amount Uncompleted	$0.00	$119,203.00	$0.00	$3,000.00	$5,000.00
Subcontractor					
Type of Work	Leak Detection	Layout	Pavement Marking		Tree Care
Subcontract Price	$1,500.00	$10,000.00	$3,535.61		$700.00
Amount Uncompleted	$0.00	$10,000.00	$3,535.61		$700.00
Subcontractor					
Type of Work	Line Stops	Site Video			
Subcontract Price	$4,200.00	$1,500.00			
Amount Uncompleted	$0.00	$1,500.00			
Subcontractor					
Type of Work	Pavement Marking	Televising			
Subcontract Price	$3,317.25	$15,930.00			
Amount Uncompleted	$0.00	$15,930.00			
Subcontractor					
Type of Work	Site Video	Tree Care			
Subcontract Price	$1,600.00	$2,100.00			
Amount Uncompleted	$0.00	$2,100.00			
Subcontractor					
Type of Work	Tree Care				
Subcontract Price	$5,697.50				
Amount Uncompleted	$0.00				
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Total Uncompleted	$ -	$ 148,733.00	$ 3,535.61	$ 3,000.00	$ 5,700.00
Totals	$ 25,314.75	$ 148,733.00	$ 5,535.61	$ 3,000.00	$ 5,700.00

Illinois Department of Transportation
Bureau of Construction
2300 South Dirksen Parkway / P.O. Box 19212
Springfield, Illinois 62794-9212

Affidavit of Availability
For the Letting of 03/08/19

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Part I. Work Under Contract

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	31	32	33	34	35	
Contract Number						
Contract With	Arlington Heights	Palatine	SD U-46	Elk Grove Village	Villa Park	
Estimated Completion Date	11/15/2019	8/15/2017	7/29/2019	11/16/2018	30 Calendar Days	
Total Contract Price	$ 4,179,494.21	$ 224,860.56	$ 839,239.00	$ 452,844.27	$ 198,800.00	Accumulated Totals
Uncompleted Dollar Value if Firm is the Prime Contractor	$ 4,179,494.21	$ 224,860.56	$ 839,239.00	$ 452,844.27	$ 198,800.00	$ 5,895,238.04
Uncompleted Dollar Value if Firm is the Subcontractor						$ -
				Total Value of All Work		$ 5,895,238.04

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

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						Accumulated Totals
Earthwork	$1,561,754.30	$ 19,407.00	$113,593.50	$35,508.00	$0.00	$ 1,730,262.80
Portland Cement Concrete Paving			$74,575.00		$0.00	$ 74,575.00
HMA Plant Mix						$ -
HMA Paving	$392,975.81	$ 10,750.40	$249,995.00	$19,523.00	$182,600.00	$ 855,844.21
Clean & Seal Cracks/ Joints	$0.00					$ -
Aggregate Bases & Surfaces	$62,990.40	$ 5,246.25	$61,077.00	$19,073.00	$0.00	$ 148,386.65
Highway,R.R.& Water Structures						$ -
Drainage	$1,290,713.00	$ 6,280.00	$2,500.00	$20,651.00	$1,200.00	$ 1,321,344.00
Electrical						$ -
Cover and Seal Coats						$ -
Concrete Construction	$247,868.30	$ 79,391.25	$155,807.50	$38,442.00	$0.00	$ 521,509.05
Landscaping	$83,302.95	$ 3,437.00	$28,840.00	$24,506.50	$0.00	$ 140,086.45
Fencing						$ -
Guardrail						$ -
Painting						$ -
Signing		$ -	$11,400.00	$5,574.00	$0.00	$ 16,974.00
Cold Milling, Planning & Rotomilling	$8,840.00	$ 1,440.00			$0.00	$ 10,280.00
Demolition						$ -
Pavement Markings (Paint)						$ -
Other Construction (List)	$487,000.00	$ 20,700.00	$106,100.00	$113,000.00	$15,000.00	$ 741,800.00
						$ -
Totals	**$ 4,135,444.76**	**$ 146,651.90**	**$ 803,888.00**	**$ 276,277.50**	**$ 198,800.00**	**$ 5,561,062.16**

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Part III. Work Subcontracted to Others

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

	31	32	33	34	35
Subcontractor					
Type of Work	Layout	Electrical	Fencing	Electrical	HMA Paving
Subcontract Price	$29,500.00	$23,736.70	$22,622.00	$151,327.47	$ 897,819.41
Amount Uncompleted	$29,500.00	$23,736.70	$22,622.00	$151,327.47	
Subcontractor					
Type of Work	Tree Care	Landscaping	Layout	Layout	CIPP
Subcontract Price	$14,549.45	$38,555.80	$10,000.00	$7,300.00	$169,371.40
Amount Uncompleted	$14,549.45	$38,555.80	$10,000.00	$7,300.00	$0.00
Subcontractor					
Type of Work		Layout	Pavement Marking	Pavement Marking	Dowel Bar Retrofit
Subcontract Price		$4,500.00	$2,729.00	$10,618.80	$35,280.00
Amount Uncompleted		$4,500.00	$2,729.00	$10,618.80	
Subcontractor					
Type of Work		Pavement Marking		Site Video	Electrical
Subcontract Price		$4,563.16		$2,800.00	$176,476.60
Amount Uncompleted		$4,563.16		$2,800.00	$0.00
Subcontractor					
Type of Work		Tree Care		Tree Care	Irrigation
Subcontract Price		$6,853.00		$4,520.50	$97,005.15
Amount Uncompleted		$6,853.00		$4,520.50	$0.00
Subcontractor					
Type of Work					Landscaping
Subcontract Price					$ 379,021.56
Amount Uncompleted		$ -			$ -
Subcontractor					
Type of Work					Layout
Subcontract Price					$32,000.00
Amount Uncompleted					
Subcontractor					
Type of Work					Pavement Marking
Subcontract Price					$86,261.52
Amount Uncompleted					
Total Uncompleted	**$ 44,049.45**	**$ 78,208.66**	**$ 35,351.00**	**$ 176,566.77**	**$ -**
Totals	**$ 44,049.45**	**$ 78,208.66**	**$ 35,351.00**	**$ 176,566.77**	**$ 1,873,235.64**

Illinois Department of Transportation

Bureau of Design and Environment
2300 South Dirksen Parkway/Room 322
Springfield, Illinois 62764

Affidavit of Availability
For the Letting of 03/08/19

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**

	36	37	38	39	40	
Contract Number						
Contract With	Winnetka	Glenview PD	Valley View SD 365	CCDoTH		
Estimated Completion Date	6/1/2019	4/1/2020				
Total Contract Price	$ 855,283.66	$ 209,830.00	$ 769,000.00	$ 514,344.60		Accumulated Totals
Uncompleted Dollar Value if Firm is the Prime Contractor	$ 855,283.66	$ 209,830.00	$ 769,000.00	$ 22,500.00	$ -	$ 1,856,613.66
Uncompleted Dollar Value if Firm is the Subcontractor					$ -	$ -
				Total Value of All Work		$ 1,856,613.66

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

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						Accumulated Totals
Earthwork	$67,384.00	$0.00	$102,335.00	$5,000.00	$0.00	$ 174,719.00
Portland Cement Concrete Paving	$0.00					$ -
HMA Plant Mix						$ -
HMA Paving	$337,402.10	$0.00	$127,482.00	$0.00	$0.00	$ 464,884.10
Clean & Seal Cracks/ Joints						$ -
Aggregate Bases & Surfaces	$0.00	$0.00	$62,265.00	$0.00	$0.00	$ 62,265.00
Highway,R.R.& Water Structures						$ -
Drainage	$102,300.00	$0.00	$100,172.00	$0.00	$0.00	$ 202,472.00
Electrical						$ -
Cover and Seal Coats						$ -
Concrete Construction	$184,613.50	$209,830.00	$148,118.50	$0.00	$0.00	$ 542,562.00
Landscaping	$25,789.00	$0.00	$0.00	$15,000.00	$0.00	$ 40,789.00
Fencing						$ -
Guardrail						$ -
Painting						$ -
Signing	$0.00		$5,100.00		$0.00	$ 5,100.00
Cold Milling, Planning & Rotomilling	$54,750.00	$ -	$0.00	$0.00		$ 54,750.00
Demolition						$ -
Pavement Markings (Paint)						$ -
Other Construction (List)	$44,000.00	$0.00	$92,600.00	$2,500.00	$0.00	$ 139,100.00
						$ -
Totals	**$ 816,238.60**	**$ 209,830.00**	**$ 638,072.50**	**$ 22,500.00**	$ -	**$ 1,686,641.10**

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Part III. Work Subcontracted to Others

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

	36	37	38	39	40
Subcontractor					
Type of Work	Pavement Marking		Electrical	Pulverization	
Subcontract Price	$39,045.06		$38,850.00	$31,356.00	
Amount Uncompleted	$39,045.06		$38,850.00	$0.00	
Subcontractor					
Type of Work			Fencing		
Subcontract Price			$19,460.00		
Amount Uncompleted			$19,460.00		
Subcontractor					
Type of Work			Landscaping		
Subcontract Price			$69,617.50		
Amount Uncompleted			$69,617.50		
Subcontractor					
Type of Work			Pavement Marking		
Subcontract Price			$2,500.00		
Amount Uncompleted			$2,500.00		
Subcontractor					
Type of Work			Tree Care		
Subcontract Price			$500.00		
Amount Uncompleted			$500.00		
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Total Uncompleted	**$ 39,045.06**	**$ -**	**$ 130,927.50**	**$ -**	**$ -**
Totals	**$ 39,045.06**	**$ -**	**$ 130,927.50**	**$ 31,356.00**	**$ -**

Illinois Department of Transportation

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

Affidavit of Availability
For the Letting of 03/08/19

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Part I. Work Under Contract

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	41	42	43	44	45	
Contract Number			SHO28			
Contract With			IDOT	Niles	North Aurora	
Estimated Completion Date				11/1/2018		
Total Contract Price			$ 237,493.00	$ 1,098,736.74	$ 339,156.45	Accumulated Totals
Uncompleted Dollar Value if Firm is the Prime Contractor	$ -	$ -	$ 237,493.00	$ 115,274.30	$ 131,002.45	$ 483,769.75
Uncompleted Dollar Value if Firm is the Subcontractor						$ -
				Total Value of All Work		$ 483,769.75

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

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						Accumulated Totals
Earthwork	$0.00	$ -	$15,250.00	$25,000.00	$18,801.25	$ 59,051.25
Portland Cement Concrete Paving	$0.00			$30,000.00		$ 30,000.00
HMA Plant Mix						$ -
HMA Paving	$0.00	$ -	$113,491.50	$0.00	$24,783.20	$ 138,274.70
Clean & Seal Cracks/ Joints						$ -
Aggregate Bases & Surfaces	$0.00		$875.00	$6,500.00	$20,991.00	$ 28,366.00
Highway,R.R.& Water Structures					$ -	$ -
Drainage	$0.00	$ -	$ -	$20,000.00	$5,000.00	$ 25,000.00
Electrical						$ -
Cover and Seal Coats						$ -
Concrete Construction	$0.00	$ -	$88,160.00	$10,000.00	$22,532.00	$ 120,692.00
Landscaping	$0.00	$ -	$ -	$5,239.50	$5,250.00	$ 10,489.50
Fencing						$ -
Guardrail						$ -
Painting						$ -
Signing		$ -		$ -	$0.00	$ -
Cold Milling, Planning & Rotomilling		$0.00		$0.00	$6,450.00	$ 6,450.00
Demolition						$ -
Pavement Markings (Paint)						$ -
Other Construction (List)	$0.00	$0.00	$14,000.00	$10,000.00	$20,000.00	$ 44,000.00
						$ -
Totals	**$ -**	**$ -**	**$ 231,776.50**	**$ 106,739.50**	**$ 123,807.45**	**$ 462,323.45**

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Part III. Work Subcontracted to Others

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

	41	42	43	44	45
Subcontractor					
Type of Work			Pavement Marking	Irrigation	Electrical
Subcontract Price			$5,716.50	$2,250.00	$5,000.00
Amount Uncompleted			$5,716.50	$2,250.00	$5,000.00
Subcontractor					
Type of Work				Layout	Tree Care
Subcontract Price				$4,000.00	$2,195.00
Amount Uncompleted			$ -	$2,000.00	$2,195.00
Subcontractor					
Type of Work				Pavement Marking	
Subcontract Price				$4,284.80	
Amount Uncompleted			$ -	$4,284.80	
Subcontractor					
Type of Work				Tree Care	
Subcontract Price				$180.00	
Amount Uncompleted			$ -	$0.00	
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	$ -	$ -	$ 5,716.50	$ 8,534.80	$ 7,195.00
Totals	$ -	$ -	$ 5,716.50	$ 10,714.80	$ 7,195.00

Illinois Department of Transportation

Bureau of Construction
2300 South Dirksen Parkway Room 203
Springfield, Illinois 62764

Affidavit of Availability
For the Letting of 03/08/19

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Part I. Work Under Contract

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	46	47	48	49	50	
Contract Number						
Contract With	Schaumburg			West Chicago		
Estimated Completion Date				12/1/2018		
Total Contract Price	$ 374,687.10			$ 1,298,516.57		Accumulated Totals
Uncompleted Dollar Value if Firm is the Prime Contractor	$ 245,338.00	$ -	$ -	$ 341,097.40	$ -	$ 586,435.40
Uncompleted Dollar Value if Firm is the Subcontractor			$ -	$ -	$ -	$ -
				Total Value of All Work		$ 586,435.40

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

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						Accumulated Totals
Earthwork	$50,000.00	$0.00	$0.00	$15,000.00	$0.00	$ 65,000.00
Portland Cement Concrete Paving		$0.00	$0.00		$ -	$ -
HMA Plant Mix					$ -	$ -
HMA Paving	$18,000.00	$0.00	$0.00	$200,000.00	$0.00	$ 218,000.00
Clean & Seal Cracks/ Joints						$ -
Aggregate Bases & Surfaces	$ -	$0.00	$0.00	$5,000.00	$0.00	$ 5,000.00
Highway,R.R.& Water Structures						$ -
Drainage	$10,000.00	$0.00	$0.00	$5,000.00	$0.00	$ 15,000.00
Electrical						$ -
Cover and Seal Coats						$ -
Concrete Construction	$100,000.00	$0.00	$0.00	$7,500.00	$0.00	$ 107,500.00
Landscaping	$40,000.00	$0.00	$0.00	$22,500.00	$0.00	$ 62,500.00
Fencing						$ -
Guardrail						$ -
Painting						$ -
Signing	$500.00	$ -		$1,800.00		$ 2,300.00
Cold Milling, Planning & Rotomilling		$0.00	$ -	$20,343.80	$ -	$ 20,343.80
Demolition						$ -
Pavement Markings (Paint)						$ -
Other Construction (List)	$17,500.00	$0.00	$ -	$20,000.00	$0.00	$ 37,500.00
						$ -
Totals	**$ 236,000.00**	**$ -**	**$ -**	**$ 297,143.80**	**$ -**	**$ 533,143.80**

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Part III. Work Subcontracted to Others

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

	46	47	48	49	50
Subcontractor					
Type of Work	Layout	ARCCT		ARCCT	
Subcontract Price	$4,645.00	$13,712.00		$18,296.60	
Amount Uncompleted	$4,645.00	$0.00		$18,296.60	
Subcontractor					
Type of Work	Tree Care	Fencing		Electrical	
Subcontract Price	$4,693.00	$3,915.50		$102,006.30	
Amount Uncompleted	$4,693.00	$0.00		$20,000.00	
Subcontractor					
Type of Work		Pavement Marking		Layout	
Subcontract Price		$3,129.75		$10,000.00	
Amount Uncompleted		$0.00		$2,500.00	
Subcontractor					
Type of Work		Tree Care		Line Stops	
Subcontract Price		$1,000.00		$8,000.00	
Amount Uncompleted		$0.00		$0.00	
Subcontractor					
Type of Work				Pavement Marking	
Subcontract Price				$3,157.00	
Amount Uncompleted				$3,157.00	
Subcontractor					
Type of Work				Tree Care	
Subcontract Price				$16,647.50	
Amount Uncompleted				$0.00	
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price	$ -				
Amount Uncompleted	$ -	$ -			
Total Uncompleted	**$ 9,338.00**	**$ -**	**$ -**	**$ 43,953.60**	**$ -**
Totals	**$ 9,338.00**	**$ 21,757.25**	**$ -**	**$ 158,107.40**	**$ -**

Illinois Department of Transportation

Bureau of Construction
2300 South Dirksen Parkway / Room 302
Springfield, Illinois 62764

Affidavit of Availability
For the Letting of 03/08/19

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Part I. Work Under Contract

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	51	52	53	54	55	
Contract Number						
Contract With	Northbrook	Highland Park		Wood Dale		
Estimated Completion Date		11/15/2018		3/31/2019		
Total Contract Price	$ 513,880.00	$ 623,298.90		$794,073.20		Accumulated Totals
Uncompleted Dollar Value if Firm is the Prime Contractor	$ 42,500.00	$ 18,036.00	$ -	$ 783,317.20	$ -	$ 843,853.20
Uncompleted Dollar Value if Firm is the Subcontractor		$ -		$ -	$ -	$ -
				Total Value of All Work		$ 843,853.20

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						Accumulated Totals
Earthwork	$5,000.00	$0.00	$0.00	$147,572.50	$0.00	$ 152,572.50
Portland Cement Concrete Paving		$ -	$ -	$ -		$ -
HMA Plant Mix						$ -
HMA Paving	$0.00	$0.00	$ -	$54,870.95	$0.00	$ 54,870.95
Clean & Seal Cracks/ Joints						$ -
Aggregate Bases & Surfaces	$0.00	$0.00	$0.00	$91,302.50	$ -	$ 91,302.50
Highway,R.R.& Water Structures						$ -
Drainage	$0.00	$0.00	$ -	$144,022.00	$0.00	$ 144,022.00
Electrical						$ -
Cover and Seal Coats						$ -
Concrete Construction	$0.00	$0.00	$0.00	$230,332.25	$0.00	$ 230,332.25
Landscaping	$30,000.00	$12,336.00	$ -	$60,152.00	$0.00	$ 102,488.00
Fencing				$ -		$ -
Guardrail						$ -
Painting						$ -
Signing		$700.00	$ -	$9,500.00		$ 10,200.00
Cold Milling, Planning & Rotomilling		$0.00	$ -	$ -	$ -	$ -
Demolition						$ -
Pavement Markings (Paint)						$ -
Other Construction (List)	$5,000.00	$5,000.00	$ -	$17,500.00	$0.00	$ 27,500.00
						$ -
Totals	**$ 40,000.00**	**$ 18,036.00**	$ -	**$ 755,252.20**	$ -	**$ 813,288.20**
						$ 1,474,003.90

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Part III. Work Subcontracted to Others

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

	51	52	53	54	55
Subcontractor					
Type of Work	Layout	Layout		Fencing	
Subcontract Price	$6,500.00	$22,500.00		$28,065.00	
Amount Uncompleted	$0.00	$0.00		$28,065.00	
Subcontractor					
Type of Work	Site Video	Pavement Marking		Tree Care	
Subcontract Price	$1,750.00	$8,128.00		$8,256.00	
Amount Uncompleted	$0.00	$0.00		$0.00	
Subcontractor					
Type of Work	Tree Care	Site Video			
Subcontract Price	$8,493.00	$3,500.00			
Amount Uncompleted	$2,500.00	$0.00			
Subcontractor					
Type of Work		Tree Care			
Subcontract Price		$400.00			
Amount Uncompleted		$0.00			
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	**$ 2,500.00**	**$ -**	**$ -**	**$ 28,065.00**	**$ -**
Totals	**$ 16,743.00**	**$ 34,528.00**	**$ -**	**$ 36,321.00**	**$ -**

Illinois Department of Transportation

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

Affidavit of Availability
For the Letting of 03/08/19

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Part I. Work Under Contract

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	56	57	58	59	60	
Contract Number						
Contract With		Downers Grove	DuPage DOT	Westmont	Gilbane	
Estimated Completion Date		11/16/2018	10/5/2018	10/12/2018	11/15/2018	
Total Contract Price		$1,715,641.20	$139,238.85	$619,374.75	$ 465,000.00	Accumulated Totals
Uncompleted Dollar Value if Firm is the Prime Contractor	$ -	$ 147,000.00	$ 102,461.75	$ 349,625.00	$ 27,500.00	$ 626,586.75
Uncompleted Dollar Value if Firm is the Subcontractor						$ -
				Total Value of All Work		$ 626,586.75

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						Accumulated Totals
Earthwork	$0.00	$10,000.00	$30,000.00	$10,000.00	$0.00	$ 50,000.00
Portland Cement Concrete Paving	$ -		$ -	$ -	$0.00	$ -
HMA Plant Mix						$ -
HMA Paving	$0.00	$100,000.00	$2,500.00	$0.00	$ -	$ 102,500.00
Clean & Seal Cracks/ Joints						$ -
Aggregate Bases & Surfaces	$0.00	$7,500.00	$1,821.75	$0.00	$7,500.00	$ 16,821.75
Highway,R.R.& Water Structures						$ -
Drainage	$0.00	$3,500.00	$5,000.00	$5,000.00	$ -	$ 13,500.00
Electrical						$ -
Cover and Seal Coats						$ -
Concrete Construction	$0.00	$3,500.00	$28,056.00	$130,000.00	$15,000.00	$ 176,556.00
Landscaping	$0.00	$10,000.00	$21,434.00	$1,675.00	$ -	$ 33,109.00
Fencing		$ -				$ -
Guardrail						$ -
Painting						$ -
Signing		$ -				$ -
Cold Milling, Planning & Rotomilling	$ -	$0.00	$ -	$0.00	$ -	$ -
Demolition						$ -
Pavement Markings (Paint)						$ -
Other Construction (List)	$0.00	$5,000.00	$7,500.00	$10,000.00	$5,000.00	$ 27,500.00
						$ -
Totals	**$ -**	**$ 139,500.00**	**$ 96,311.75**	**$ 156,675.00**	**$ 27,500.00**	**$ 419,986.75**
						$ 789,973.50

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Part III. Work Subcontracted to Others

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

	56	57	58	59	60
Subcontractor					
Type of Work		Directional Boring	Layout	Brick Paving	
Subcontract Price		$760,175.00	$5,000.00	$164,800.00	
Amount Uncompleted		$0.00	$5,000.00	$164,800.00	
Subcontractor					
Type of Work		Layout	Tree Care	Fencing	
Subcontract Price		$16,000.00	$1,150.00	$23,550.00	
Amount Uncompleted		$7,500.00	$1,150.00	$23,550.00	
Subcontractor					
Type of Work		Site Video		Layout	
Subcontract Price		$750.00		$9,000.00	
Amount Uncompleted		$0.00		$2,500.00	
Subcontractor					
Type of Work		Tree Care		Pavement Marking	
Subcontract Price		$6,871.50		$2,100.00	
Amount Uncompleted		$0.00		$2,100.00	
Subcontractor					
Type of Work				Site Video	
Subcontract Price				$500.00	
Amount Uncompleted				$0.00	
Subcontractor					
Type of Work				Tree Care	
Subcontract Price				$2,915.00	
Amount Uncompleted				$0.00	
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Total Uncompleted	$ -	$ 7,500.00	$ 6,150.00	$ 192,950.00	$ -
Totals	$ -	$ 783,796.50	$ 6,150.00	$ 202,865.00	$ -

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

SUMMARY SHEETS

Affidavit of Availability
For the Letting of 03/08/19

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**

Contract Number						
Contract With						
Estimated Completion Date						
Total Contract Price						**SUMMARY**
Uncompleted Dollar Value if Firm is the Prime Contractor						Accumulated Totals
Uncompleted Dollar Value if Firm is the Subcontractor						$ 24,218,080.49
				Total Value of All Work		$.
						$ 24,218,080.49

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						$ 3,870,852.10
Portland Cement Concrete Paving						$ 272,268.40
HMA Plant Mix						$.
HMA Paving						$ 3,468,719.91
Clean & Seal Cracks/ Joints						$.
Aggregate Bases & Surfaces						$ 790,464.90
Highway,R.R.& Water Structures						$.
Drainage						$ 5,035,927.75
Electrical						$ 1,680.00
Cover and Seal Coats						$.
Concrete Construction						$ 3,033,937.30
Landscaping						$ 723,341.90
Fencing						$ 7,235.00
Guardrail						$ -
Painting						$.
Signing						$ 64,666.00
Cold Milling, Planning & Rotomilling						$ 340,953.15
Demolition						$ -
Pavement Markings (Paint)						$ -
Other Construction (List)						$ 2,601,183.14
Totals	$ -	$ -	$ -	$ -	$ -	**$ 20,211,229.55**

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.

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	$ -	$ -	$ -	$ -	$ -
SUMMARY TOTALS	$ -	$ -	$ -	$ -	$ 4,006,850.94

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

Notary Public

My commission expires "OFFICIAL SEAL" KELLY L. BIELLO Notary Public, State of Illinois My Commission Expires 11/16/20

(Notary Seal)

Type or Print Adele Lampignano — President

Officer or Director — Title

Signed ______________________

Company A Lamp Concrete Contractors, Inc.

Address 1900 Wright Blvd.

Schaumburg, Illinois 60193

RETURN WITH BID

VoBG-2019-07

The Village of Buffalo Grove is required to obtain certain information in the administration and awarding of public contracts. The following Public Contract Statements shall be executed and notarized.

CERTIFICATION OF CONTRACTOR/CONSULTANT

In order to comply with 720 Illinois Compiled Statutes 5/33 E-1 et seq., the Village of Buffalo Grove requires the following certification be acknowledged:

The below-signed Contractor/Consultant hereby certifies that it is not barred from Bidding or supplying any goods, services or construction let by the Village of Buffalo Grove with or without Bid, due to any violation of either Section 5/33 E-3 or 5/33 E-4 of Article 33E, Public Contracts, of the Chapter 720 of the Illinois Compiled Statutes, as amended. This act relates to interference with public contracting, Bid rigging and rotating, kickbacks, and Biding.

CERTIFICATION RELATIVE TO 65 ILCS 5/11-42.1.1

In order to comply with 65 Illinois Compiled Statutes 5/11-42.1.1, the Village of Buffalo Grove requires the following certification:

The undersigned Contractor/Consultant does hereby swear and affirm that it is not delinquent in the payment of any tax administered by the Illinois Department of Revenue unless it is contesting, in accordance with the procedures established by the appropriate revenue Act, its liability for the tax or the amount of the tax. The undersigned further understands that making a false statement herein: (1) is a Class A Misdemeanor, and (2) voids the contract and allows the Village to recover all amounts paid to it under the contract.

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 Contractor/Consultant hereby represents and warrants to the Village of Buffalo Grove as a term and condition of acceptance of this (Proposal or purchase order) that none of the following Village Officials is either an officer or Manager of Firm 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.

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

(Official) N/A

A Lamp Concrete Contractors, Inc.

Print Name of Contractor/Consultant

Adele Lampignano

Signature

Adele Lampignano, President

Title

Subscribed and Sworn to before me this 28th **day of** February **2019**

Notary Public

Notary Expiration Date 11/16/2020

"OFFICIAL SEAL"
KELLY L. BIELLO
Notary Public, State of Illinois
My Commission Expires 11/16/20

ADDENDUM 01
FOR
2019 STREET IMPROVEMENTS PROJECT
VILLAGE OF BUFFALO GROVE, IL
GHA Project #: 4798.037

Date of Addendum: Monday, February 25, 2019

Bid Due Date: **10:30 AM Thursday, February 28, 2019**

Description of Addendum:

The following items provide additional clarification and modifications to the bid documents and are made a part of the bid documents for the Village of Buffalo Grove's '2019 Street Improvements Project'. It is the bidder's responsibility to review all bid documents thoroughly in preparation of their bid.

Additionally, this addendum shall be attached to the bid proposal and if not, the bid may be disqualified.

Project Specification Revisions and Clarifications:

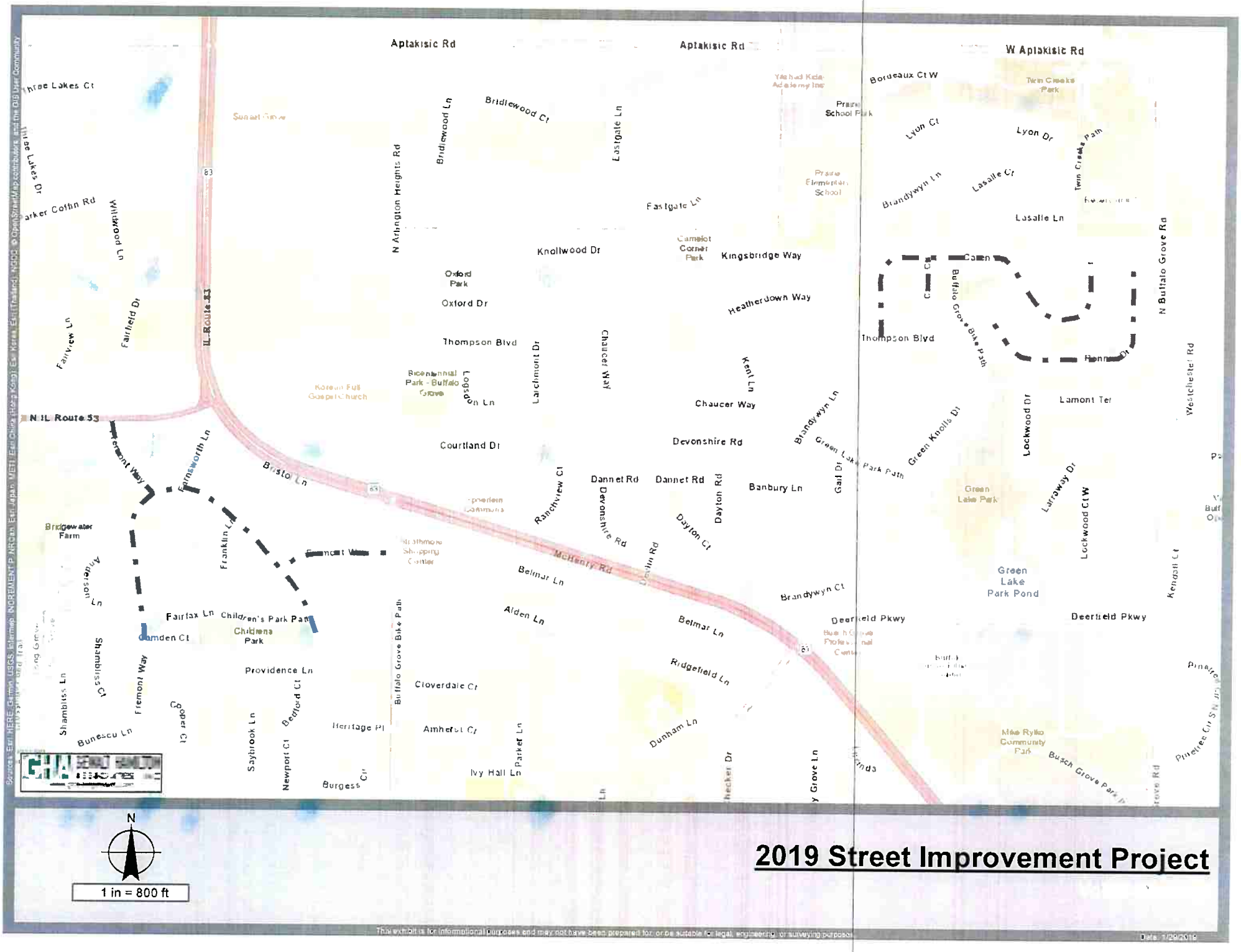
1. Delete 'Class A' in the first sentence in paragraph three of Special Provision 3 '*Aggregate Base Course, Type B Varies (Special)*' and replace with 'Class B'.
2. Delete 'Class A' in the first sentence in paragraph three of Special Provision 4 '*Aggregate Base Course, Type B 4" (Special)*' and replace with 'Class B'.
3. The following pay items have been updated per the revised plan as part of this addendum, and a revised Schedule of Prices is included herein:

    25. Comb Concrete Curb and Gutter, Type B-4.12 (Special)

    26. Comb Concrete Curb and Gutter, Type B-6.12 (Special)

Project Plan Revisions and Clarifications:

1. The proposed combination concrete curb and gutter within the islands on Sheets 6, 8, 16, and 24 shall be revised to 'Combination Concrete Curb and Gutter, Type B-6.12 (Special)'.
2. The applicable plan revision is not included as an attachment to this Addendum; the revision will be made to the 'Issued For Construction' plan set.



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1 in = 800 ft

2019 Street Improvement Project

Date: 1/29/2019

Description of Work
2019 Street Improvement Project
Village of Buffalo Grove

The following is a list of streets including limits, lengths, area, and a brief description of work:

Street	From/To	Length	Area
Fremont Way	Camden Ct to Bristol Ln	2,671 FT (0.506 miles)	7,320 SY
Fremont Way	Fremont Way to Arlington Heights Rd	483 FT (0.091 miles)	2,380 SY
Fremont Way	IL Route 53 to Fremont Way	524 FT (0.099 miles)	3,025 SY
	Totals:	3,678 FT (0.697 miles)	12,725 SY

Resurfacing. The above street segments will include hot-mix asphalt surface removal, curb and gutter removal and replacement at various locations, sidewalk removal and replacement at various locations, storm sewer and sanitary sewer spot repairs, hot-mix asphalt pavement patching, leveling binder, detector loop replacement, hot-mix asphalt surface course, landscape restoration and other associated improvements.

Street	From/To	Length	Area
Caren Drive	Thompson Blvd to Thompson Blvd	2,447 FT (0.463 miles)	8,400 SY
Ronnie Drive	Thompson Blvd to Thompson Blvd	1,765 FT (0.334 miles)	5,660 SY
	Totals:	4,212 FT (0.798 miles)	14,060 SY

Reconstruction. The above street segments will include pavement removal, earth excavation, removal and disposal of unsuitable materials, curb and gutter removal and replacement, sidewalk removal and replacement, aggregate base course, pipe underdrains, storm sewer and sanitary sewer spot repairs, hot-mix asphalt binder course, hot-mix asphalt surface course, driveway pavement removal and replacement, landscape restoration and other associated improvements.

SOIL AND MATERIAL CONSULTANTS, INC.

office: 1-847-870-0544
fax: 1-847-870-0661
www.soilandmaterialconsultants.com
us@soilandmaterialconsultants.com

March 31, 2016
File No. 22601

Mr. Kyle Johnson
Village of Buffalo Grove
51 Raupp Boulevard
Buffalo Grove, IL 60089

Re: Pavement Investigation
2016 Street Improvement Program
Additional Cores
Buffalo Grove, Illinois

Dear Mr. Johnson:

We are submitting the results of our pavement investigation for the various streets included in the above referenced project. The investigation was requested to determine existing pavement sections.

The field investigation included obtaining 70 pavement cores at the requested locations. The pavement materials were returned to our laboratory for identification and thickness verification. The results are included in the summary with this submittal.

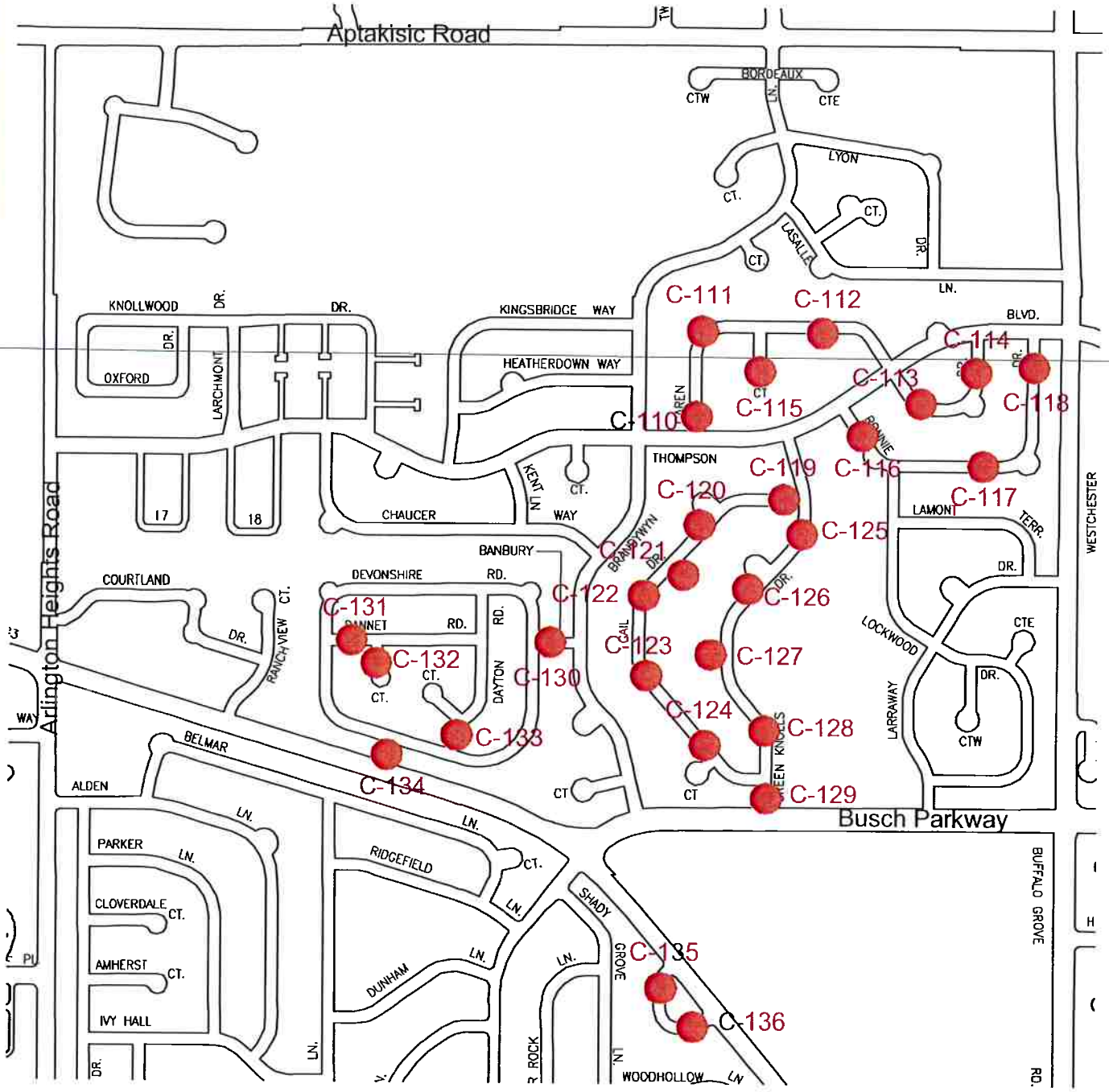
If you should have any questions concerning the enclosed information, please feel free to contact our office at anytime.

Very truly yours,

SOIL AND MATERIAL CONSULTANTS, INC.

Thomas P. Johnson, P.E.
President

TPJ:ek
Enc.



N

SMC	SOIL AND MATERIAL CONSULTANTS, INC.	LOCATION SKETCH
Client:	VILLAGE OF BUFFALO GROVE	
Project:	2016 STREET IMPROVEMENT PROGRAM – ADDITIONAL CORES	
Location:	BUFFALO GROVE, ILLINOIS	
File No. 22601	Date: 3-25-16	Scale: NONE

SOIL AND MATERIAL CONSULTANTS, INC.

8 WEST COLLEGE DRIVE
ARLINGTON HEIGHTS, IL 60004

OFFICE: (847) 870-0544
FAX: (847) 870-0661

Date: 3/21/16

File No.: 22601

CORE LOG

Client: Village of Buffalo Grove

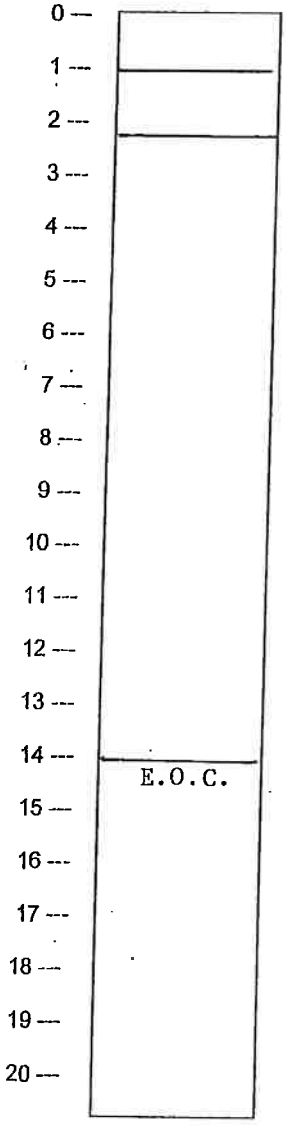
Reference: 2016 Street Improvement Program Additional Cores

Core No: C-110

Work Done By: DB & JL

Location of Core: 655 Caren Dr., 1' E. of CL

Comments:



	Type of Material	Recovery
1-0"	Bituminous concrete - surface	Full
	no bond	
1-1/4"	Bituminous concrete - binder	Full
11-3/4"	Crushed & uncrushed gravel with fines (contaminated with clay)	Partial
Total 14-0"		

SOIL AND MATERIAL CONSULTANTS, INC.

8 WEST COLLEGE DRIVE
ARLINGTON HEIGHTS, IL 60004

OFFICE: (847) 870-0544
FAX: (847) 870-0661

Date: 3/21/16

File No.: 22601

CORE LOG

Client: Village of Buffalo Grove

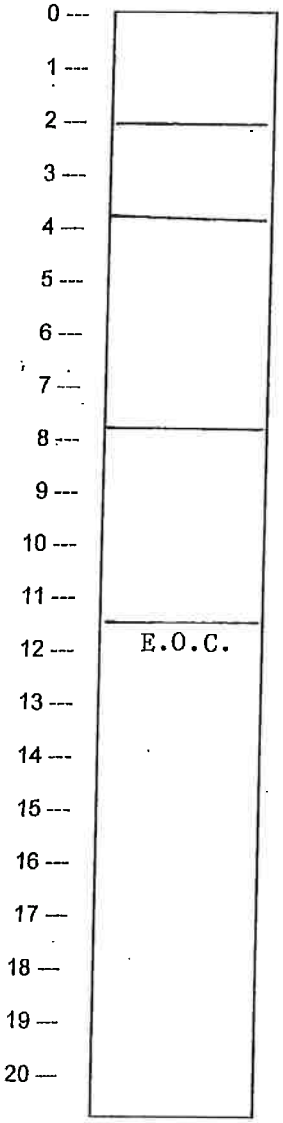
Reference: 2016 Street Improvement Program Additional Cores

Core No: C-111

Work Done By: DB & JL

Location of Core: 623 Caren Dr., 1' NW of CL

Comments:



	Type of Material	Recovery
2-0"	Bituminous concrete - surface no bond	Full
1-3/4"	Bituminous concrete - binder	Full
4-0"	Crushed & uncrushed gravel with fines	Partial
3-3/4"	Crushed & uncrushed gravel with fines (contaminated with clay)	Partial
Total 11-1/2"		

SOIL AND MATERIAL CONSULTANTS, INC.

8 WEST COLLEGE DRIVE
ARLINGTON HEIGHTS, IL 60004

OFFICE: (847) 870-0544
FAX: (847) 870-0661

Date: 3/21/16

File No.: 22601

CORE LOG

Client: Village of Buffalo Grove

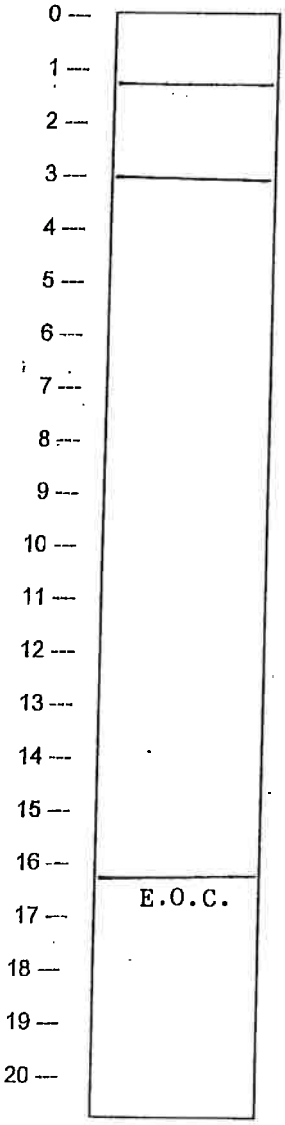
Reference: 2016 Street Improvement Program Additional Cores

Core No: C-112

Work Done By: DB & JL

Location of Core: 532 Caren Dr., 1' N. of CL

Comments:



Type of Material	Recovery
1-1/4" Bituminous concrete - surface	Full
1-3/4" Bituminous concrete - binder	Full
13-1/4" Crushed & uncrushed gravel with fines	Partial
Total 16-1/4"	

SOIL AND MATERIAL CONSULTANTS, INC.

8 WEST COLLEGE DRIVE
ARLINGTON HEIGHTS, IL 60004

OFFICE: (847) 870-0544
FAX: (847) 870-0661

Date: 3/21/16

File No.: 22601

CORE LOG

Client: Village of Buffalo Grove

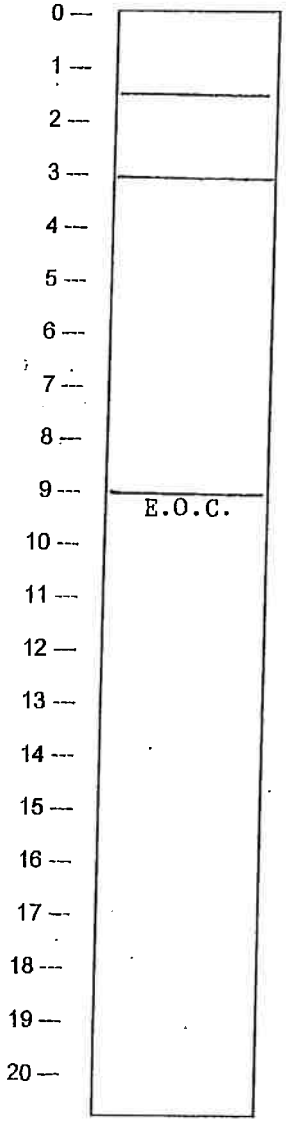
Reference: 2016 Street Improvement Program Additional Cores

Core No: C-113

Work Done By: DB & JL

Location of Core: 445 Caren Dr., 1' SW of CL

Comments:



Type of Material		Recovery
1-1/2"	Bituminous concrete - surface	Full
1-1/2"	Bituminous concrete - binder	Full
6-0"	Crushed & uncrushed gravel with fines	Partial
Total 9-0"		

SOIL AND MATERIAL CONSULTANTS, INC.

8 WEST COLLEGE DRIVE
ARLINGTON HEIGHTS, IL 60004

OFFICE: (847) 870-0544
FAX: (847) 870-0661

Date: 3/21/16

File No.: 22601

CORE LOG

Client: Village of Buffalo Grove

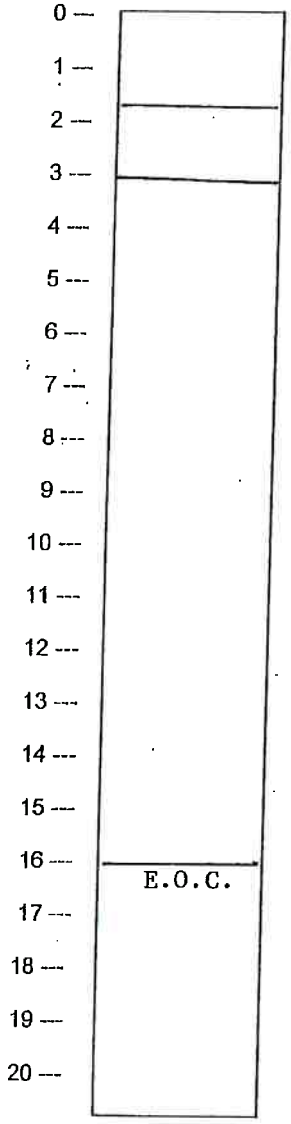
Reference: 2016 Street Improvement Program Additional Cores

Core No: C-114

Work Done By: DB & JL

Location of Core: 409 Caren Dr., 1' W. of CL

Comments:



	Type of Material	Recovery
1-3/4"	Bituminous concrete - surface	Full
1-1/4"	Bituminous concrete - binder	Full
13-0"	Crushed & uncrushed gravel with fines	Partial
Total 16-0"		

SOIL AND MATERIAL CONSULTANTS, INC.

8 WEST COLLEGE DRIVE
ARLINGTON HEIGHTS, IL 60004

OFFICE: (847) 870-0544
FAX: (847) 870-0661

Date: 3/21/16

File No.: 22601

CORE LOG

Client: Village of Buffalo Grove

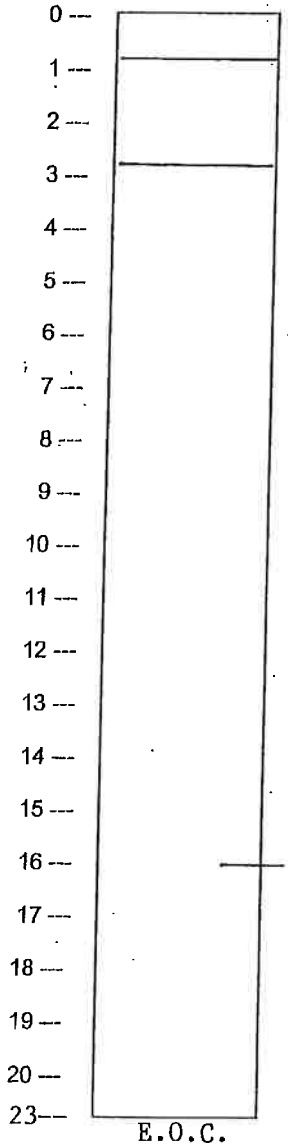
Reference: 2016 Street Improvement Program Additional Cores

Core No: C-115

Work Done By: DB & JL

Location of Core: 100' S. of Caren Dr., 1' E. of CL

Comments:



Type of Material	Recovery
0-3/4" Bituminous concrete - surface	Full
2-0" Bituminous concrete - binder	Full
20-1/4" Crushed & uncrushed gravel with fines	Partial
Geotextile Fabric	
Total 23-0"+	

G-333

SOIL AND MATERIAL CONSULTANTS, INC.

8 WEST COLLEGE DRIVE
ARLINGTON HEIGHTS, IL 60004

OFFICE: (847) 870-0544
FAX: (847) 870-0661

Date: 3/21/16

File No.: 22601

CORE LOG

Client: Village of Buffalo Grove

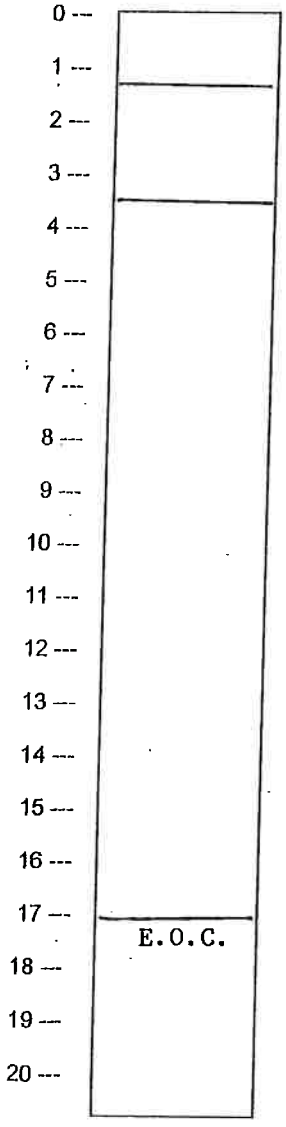
Reference: 2016 Street Improvement Program Additional Cores

Core No: C-116

Work Done By: DB & JL

Location of Core: 504 Ronnie Dr., 1' NE of CL

Comments:



Type of Material	Recovery
1-1/4" Bituminous concrete - surface	Full
2-1/4" Bituminous concrete - binder	Full
13-1/2" Crushed & uncrushed gravel with fines	Partial
Total 17-0"	

SOIL AND MATERIAL CONSULTANTS, INC.

8 WEST COLLEGE DRIVE
ARLINGTON HEIGHTS, IL 60004

OFFICE: (847) 870-0544
FAX: (847) 870-0661

Date: 3/21/16

File No.: 22601

CORE LOG

Client: Village of Buffalo Grove

Reference: 2016 Street Improvement Program Additional Cores

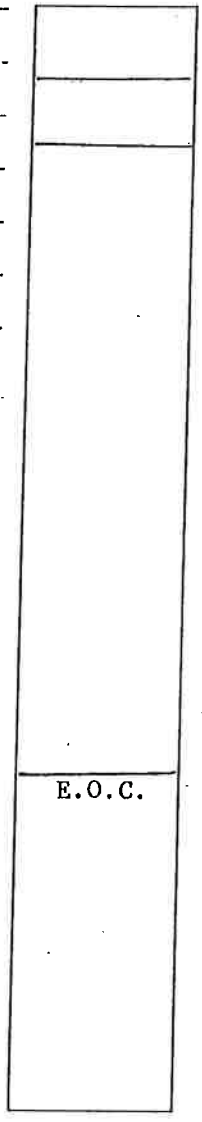
Core No: C-117

Work Done By: DB & JL

Location of Core: 413 Ronnie Dr., 1' S. of CL

Comments:

(Depth, In.)	Type of Material	Recovery
0 – 1	1-1/4" Bituminous concrete - surface	Full
1 – 2	1-1/4" Bituminous concrete - binder	Full
2 – 7	12-0" Crushed & uncrushed gravel with fines	Partial
7 – 14		
14 – 15	E.O.C. Total 14-1/2"	
15 – 20		



SOIL AND MATERIAL CONSULTANTS, INC.

8 WEST COLLEGE DRIVE
ARLINGTON HEIGHTS, IL 60004

OFFICE: (847) 870-0544
FAX: (847) 870-0661

Date: 3/21/16

File No.: 22601

CORE LOG

Client: Village of Buffalo Grove

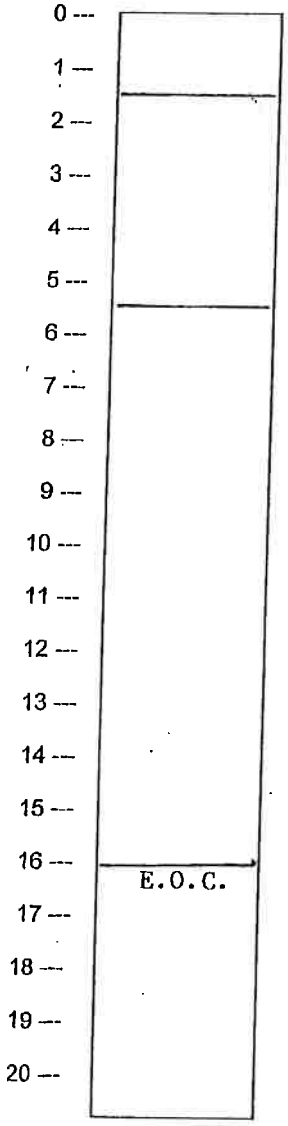
Reference: 2016 Street Improvement Program Additional Cores

Core No: C-118

Work Done By: DB & JL

Location of Core: 306 Ronnie Dr., 1' W. of CL

Comments:



Type of Material	Recovery
1-1/2" Bituminous concrete - surface (failed)	Partial
4-0" Bituminous concrete - binder (failed)	Partial
10-1/2" Crushed & uncrushed gravel with fines, traces of failed PAM	Partial
Total 16-0"	

SOIL AND MATERIAL CONSULTANTS, INC.

Office: 847-870-0544
Fax: 847-870-0661
us@soilandmaterialconsultants.com
www.soilandmaterialconsultants.com

November 17, 2017
File No. 23660

Mr. Kyle E. Johnson, P.E., CFM
Village of Buffalo Grove
51 Raupp Boulevard
Buffalo Grove, IL 60089

Re: Pavement Investigation
Caren Drive, Caren Court.,
Ronnie Drive, Gail Drive, & Green Knolls Drive
Buffalo Grove, Illinois

Dear Mr. Johnson:

We are submitting the results of our pavement investigation on Caren Drive, Caren Court, Ronnie Drive, Gail Drive, and Green Knolls Drive in the Village of Buffalo Grove, Illinois. The investigation was requested to determine existing pavement sections and underlying soil conditions.

The investigation was requested to determine existing pavement sections along with subsurface soil conditions. The information is intended to assist in planning, design and construction of the proposed pavement improvements.

SCOPE OF THE INVESTIGATION

A total of 10 cores and borings were obtained at various locations in existing pavement areas. Each core determined the pavement section including material types and thicknesses. The underlying soils were auger drilled and sampled to depths of 5.0 feet below the surface. The soils immediately beneath the surface conditions were sampled using a split barrel sampler. Soil samples were obtained from the auger at the deeper elevations. The soils at each location were visually and texturally classified in the field.

All pavement materials and soil samples obtained during the field investigation were returned to our laboratory for testing. The soil samples were tested to determine soil moisture contents, dry unit weight, and unconfined compressive strength.

The results of all field and laboratory testing are included in summary with this report.

EXISTING CONDITIONS

Test locations 1 through 6 were performed on Caren Drive, Caren Court, and Ronnie Drive and found the pavement section to consist of 2.75 to 3.75 of bituminous concrete over 5.25 inches to 17.25 inches of granular base. The subgrade soils immediately beneath the granular base are found to be predominantly clay/silt soil mixtures with lesser portions of sand and gravel present.

Borings 7 through 10 were located on Gail Drive and Green Knolls Drive. The existing pavement section at the locations cored included 3.0 inches to 4.5 inches of bituminous concrete over 3.5 inches to 6.0 inches of failed emulsified asphalt mixtures. The total pavement section was found to range in thickness from 8.0 inches to 9.5 inches at these locations.

The subgrade soils immediately beneath the base are found to be predominantly clay/silt soil mixtures with lesser portions of sand and gravel present.

CONCLUSION

This report has been prepared to assist in initial determination of anticipated soil support conditions and needed subgrade treatments. Variations in existing pavement sections, soil conditions and ground water conditions may be present between these test locations.

An inspection by a Soil Engineer is recommended during subgrade soil preparation. A period of dry weather prior to the beginning of the earthwork may result in improved soil moisture content conditions near the surface and decreased subgrade soil preparation costs. A period of wet weather may create the need for increased discing and drying efforts.

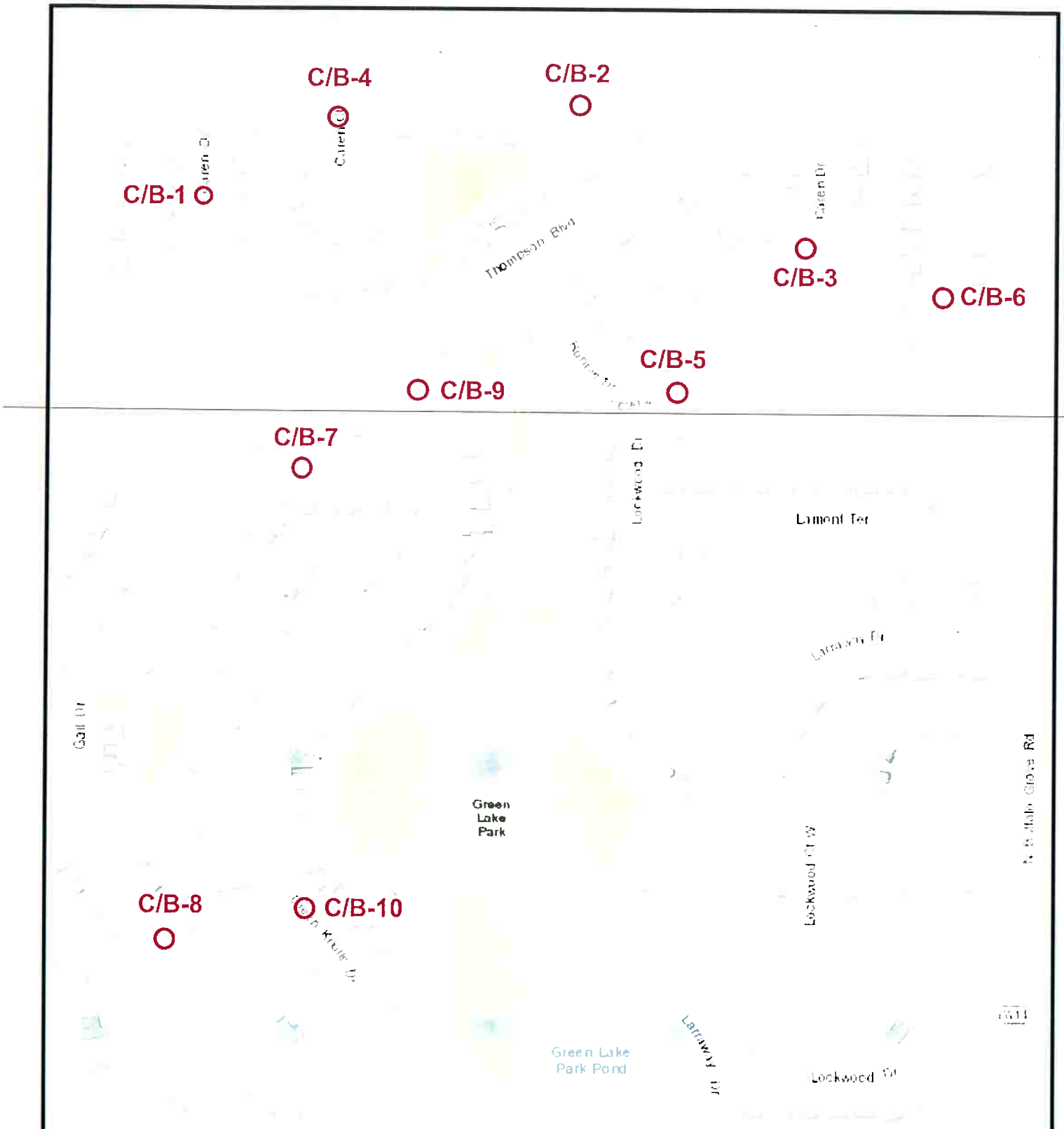
If you have any questions concerning the findings or recommendations presented in this report, please let me know.

Very truly yours,

SOIL AND MATERIAL CONSULTANTS, INC.

Thomas P. Johnson, P.E.
President

TPJ:ek
Enc.



N

SMC	SOIL AND MATERIAL CONSULTANTS, INC.	LOCATION SKETCH
Client:	VILLAGE OF BUFFALO GROVE	
Project:	CAREN DR., CAREN CT., BONNIE DR., GAIL DR., & GREEN KNOLLS DR.	
Location:	BUFFALO GROVE, ILLINOIS	
File No. 23660	Date: 11-16-17	Scale: NONE

SOIL AND MATERIAL CONSULTANTS, INC.

8 W. COLLEGE DR. • SUITE C • ARLINGTON HEIGHTS, IL 60004

Date: 11/9/17

File No.: 23660

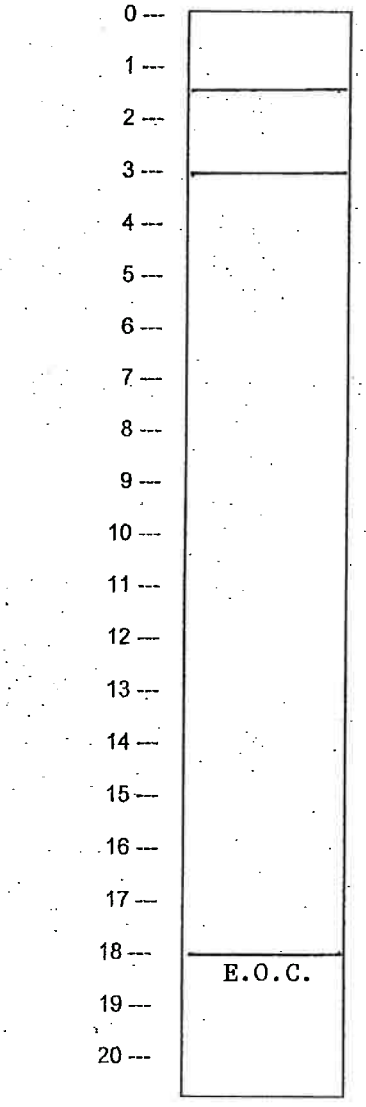
CORE LOG

Client: Village of Buffalo Grove Reference Misc. Streets, Buffalo Grove, IL

Core No: C-1 Work Done By: DB & JL

Location of Core: 640 Caren Dr., 7' E. of CL

Comments:



Type of Material	Recovery
1-1/2" Bituminous concrete - surface	Full
1-1/2" Bituminous concrete - binder	Full
15-0" Crushed & uncrushed gravel with fines	Partial
Total 18-0"	

SOIL AND MATERIAL CONSULTANTS, INC.

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Date: 11/9/17

File No.: 23660

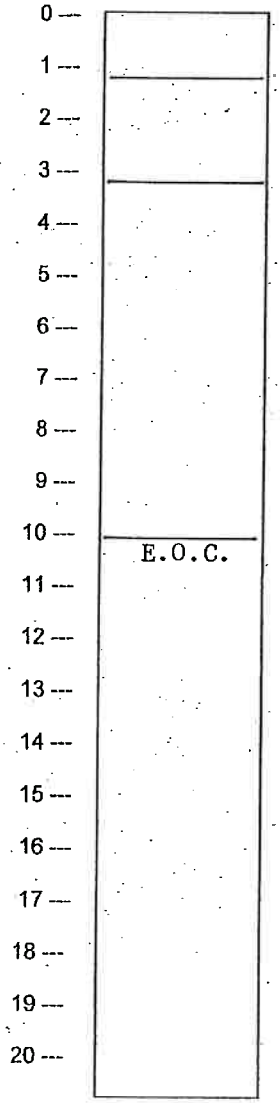
CORE LOG

Client: Village of Buffalo Grove Reference Misc. Streets, Buffalo Grove, IL

Core No: C-2 Work Done By: DB & JL

Location of Core: 516 Caren Dr., 5' E. of CL

Comments:



Type of Material	Recovery
1-1/4" Bituminous concrete - surface no bond	Full
2-0" Bituminous concrete - binder	Full
6-3/4" Crushed & uncrushed gravel with fines	Partial
Total 10-0"	

SOIL AND MATERIAL CONSULTANTS, INC.

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Date: 11/9/17

File No.: 23660

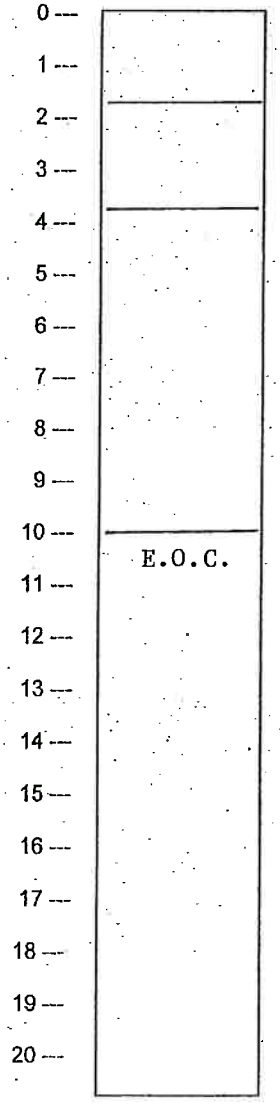
CORE LOG

Client: Villageoof Buffalo Grove Reference Misc. Streets, Buffalo Grove, IL

Core No: C-3 Work Done By: DB & JL

Location of Core: 421 Caren Dr., 8' S. of CL

Comments:



Type of Material	Recovery
1-3/4" Bituminous concrete - surface	Full
2-0" Bituminous concrete - binder	Full
6-1/4" Crushed & uncrushed gravel with fines	Partial
Total 10-0"	

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Date: 11/9/17
File No.: 23660

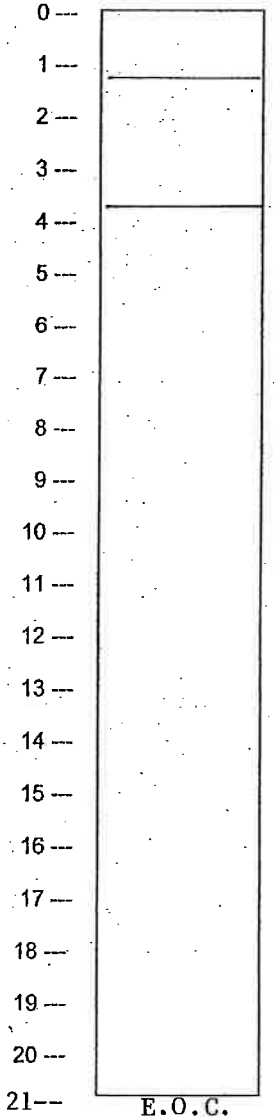
CORE LOG

Client: Village of Buffalo Grove Reference: Misc. Streets, Buffalo Grove, IL

Core No: C-4 Work Done By: DB & JL

Location of Core: Caren Ct., 50' S. of Caren Dr., 6' W. of CL

Comments:



	Type of Material	Recovery
1-1/4"	Bituminous concrete - surface no bond	Full
2-1/2"	Bituminous concrete - binder	Full
17-1/4"	Crushed & uncrushed gravel with fines	Partial
21-0"+	Geotextile fabric Large uncrushed gravel	

G-333

SOIL AND MATERIAL CONSULTANTS, INC.

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Date: 11/9/17

File No.: 23660

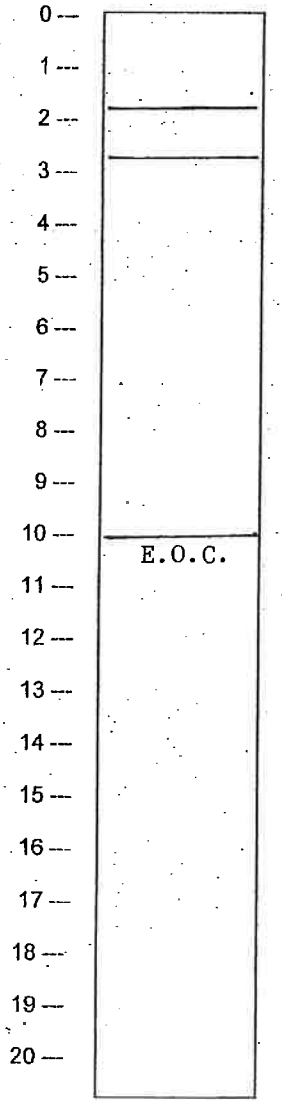
CORE LOG

Client: Village of Buffalo Grove Reference Misc. Streets, Buffalo Grove, IL

Core No: C-5 Work Done By: DB & JL

Location of Core: 441 Ronnie Dr., 4' S. of CL

Comments:



Type of Material	Recovery
1-3/4" Bituminous concrete - surface	Full
1-0" Bituminous concrete - binder	Full
7-1/4" Crushed gravel with fines	Partial
Total 10-0"	

SOIL AND MATERIAL CONSULTANTS, INC.

8 W. COLLEGE DR. • SUITE C • ARLINGTON HEIGHTS, IL 60004

Date: 11/9/17

File No.: 23660

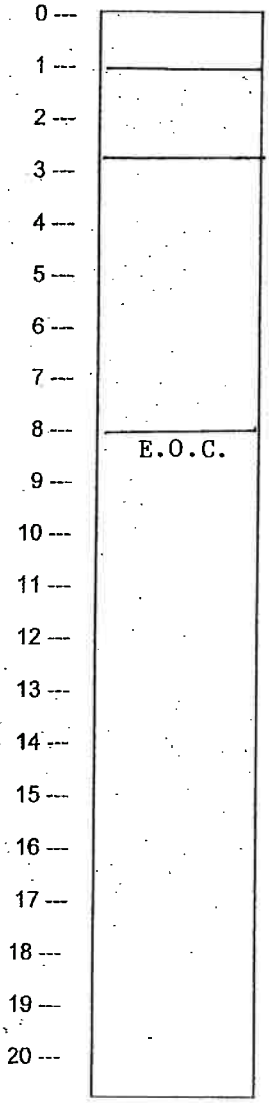
CORE LOG

Client: Village of Buffalo Grove Reference Misc. Streets, Buffalo Grove, IL

Core No: C-6 Work Done By: DB & JL

Location of Core: 326 Ronnie Dr., 6' W. of CL

Comments:



Type of Material	Recovery
1-0" Bituminous concrete - surface	Full
1-3/4" Bituminous concrete - binder	Full
5-1/4" Crushed gravel with fines	Partial
Total 8-0"	

G-333

SOIL AND MATERIAL CONSULTANTS, INC.

8 W. COLLEGE DR. • SUITE C • ARLINGTON HEIGHTS, IL 60004

Date: 11/9/17

File No.: 23660

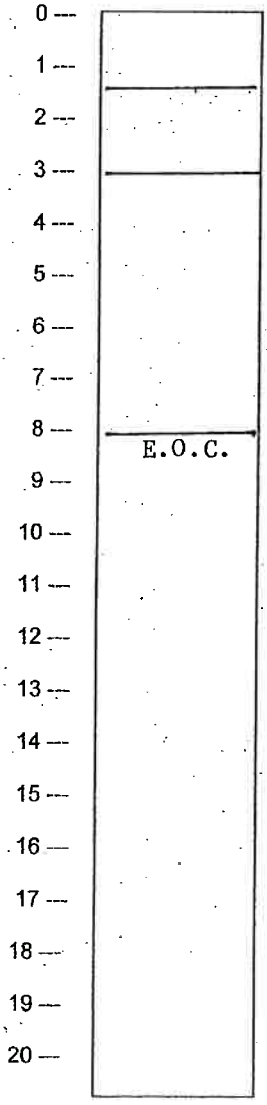
CORE LOG

Client: Village of Buffalo Grove Reference Misc. Streets, Buffalo Grove, IL

Core No: C-7 Work Done By: DB & JL

Location of Core: 1350 Gail Dr., 6' N. of CL

Comments:



Type of Material	Recovery
1-1/2" Bituminous concrete - surface	Full
1-1/2" Bituminous concrete - binder	Full
5-0" Emulsified aggregate mixture (failed) (40% deteriorated)	Partial
Total 8-0"	

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Date: 11/9/17

File No.: 23660

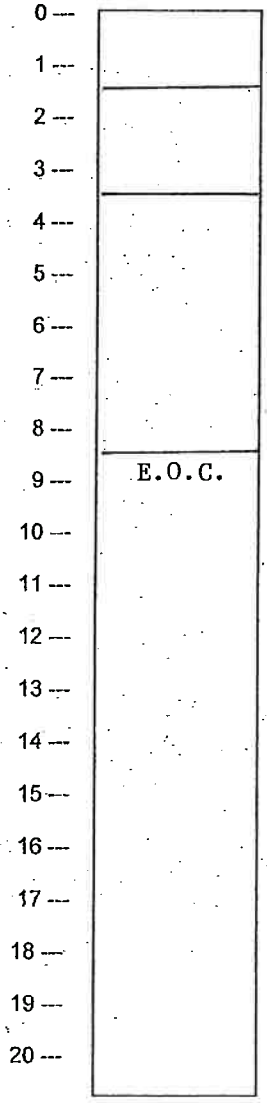
CORE LOG

Client: Village of Buffalo Grove Reference Misc. Streets, Buffalo Grove, IL

Core No: C-8 Work Done By: DB & JL

Location of Core: 1174 Gail Dr., 4' W. of CL

Comments:



	Type of Material	Recovery
1-1/2"	Bituminous concrete - surface	Full
2-0"	Bituminous concrete - binder	Full
5-0"	Emulsified aggregate mixture (failed) (50% deteriorated)	Partial
Total 8-1/2"		

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Date: 11/9/17

File No.: 23660

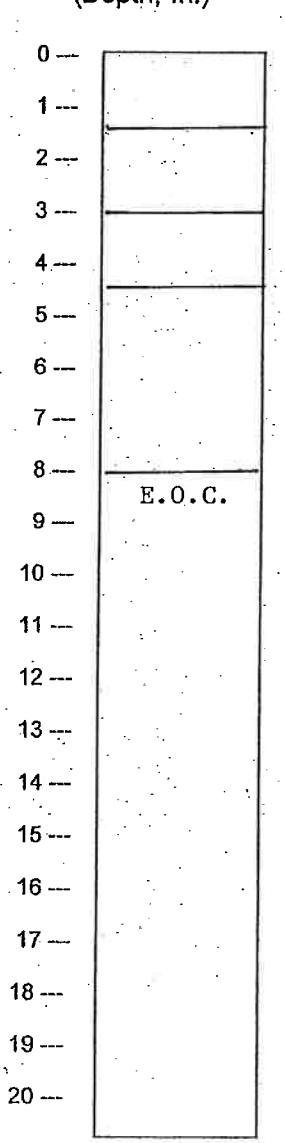
CORE LOG

Client: Village of Buffalo Grove Reference Misc. Streets, Buffalo Grove, IL

Core No: C-9 Work Done By: DB & JL

Location of Core: 1386 Green Knolls Dr., 5' W. of CL

Comments:



Type of Material	Recovery
1-1/2" Bituminous concrete - surface	Full
1-1/2" Bituminous concrete - binder	Full
1-1/2" Bituminous concrete - binder	Full
3-1/2" Emulsified aggregate mixture (failed) (30% deteriorated)	Partial
Total 8-0"	

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Date: 11/9/17

File No.: 23660

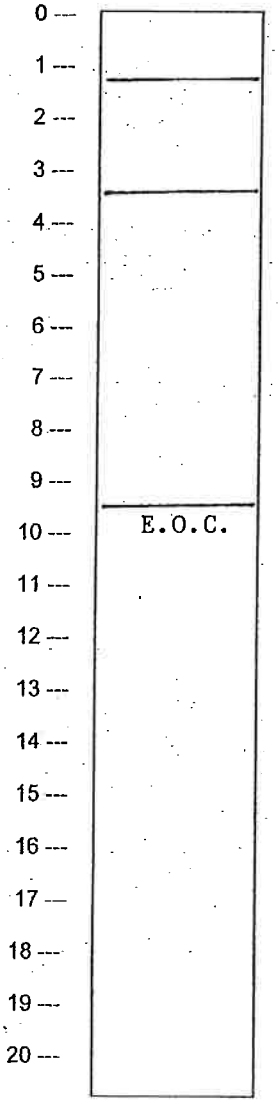
CORE LOG

Client: Village of Buffalo Grove Reference Misc. Streets, Buffalo Grove, IL

Core No: C-10 Work Done By: DB & JL

Location of Core: 1191 Green Knolls Dr., 6' E. of CL

Comments:



Type of Material	Recovery
1-1/4" Bituminous concrete - surface	Full
2-1/4" Bituminous concrete - binder	Full
6-0" Emulsified aggregate mixture (failed) (40% deteriorated)	Partial
Total 9-1/2"	

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SOIL BORING LOG B-1

Logged By: DB Page: 1 of 1

File No. 23660 Date Drilled: 11/16/17

Client: Village of Buffalo Grove

Reference: Misc. Streets
Buffalo Grove, IL

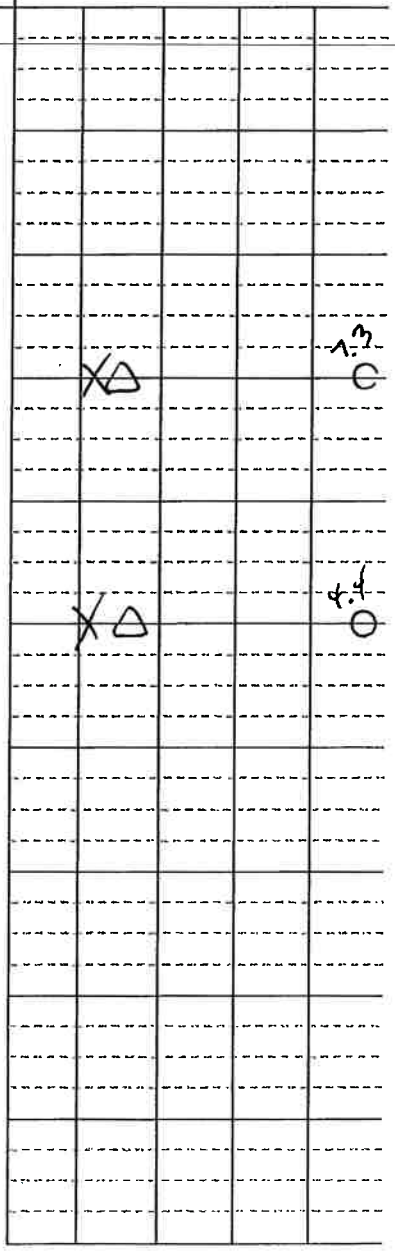
Comments: 640 Caren Dr., 7' E. of CL

Equipment: ☒CME 45B ☐CME 55 ☐Hand Auger ☐Other

depth, ft.	CLASSIFICATION Elevation Existing Surface	standard penetration ×	moisture content Δ	dry unit weight lbs./cu.ft. ϒ	unconfined compressive strength ○
	(See Core Log)				
1					
2	Brown-gray clay, some silt, trace sand & gravel, damp, hard				
3		12	15.0	119.0	7.3
4					
5	End of Boring	11	16.0	116.3	4.4
6					
7					
8					
9					
10					

○ unconfined compressive strength, tons/sq. ft.
● penetrometer reading, tons/sq. ft.
1.0 2.0 3.0 4.0

× standard penetration "N", blows/ft.
Δ 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.
8 W. COLLEGE DR. • SUITE C • ARLINGTON HEIGHTS, IL 60004

SOIL BORING LOG B-2

Logged By: DB Page: 1 of 1

Client: Village of Buffalo Grove

File No. 23660 Date Drilled: 11/16/17

Reference: Misc. Streets
Buffalo Grove, IL

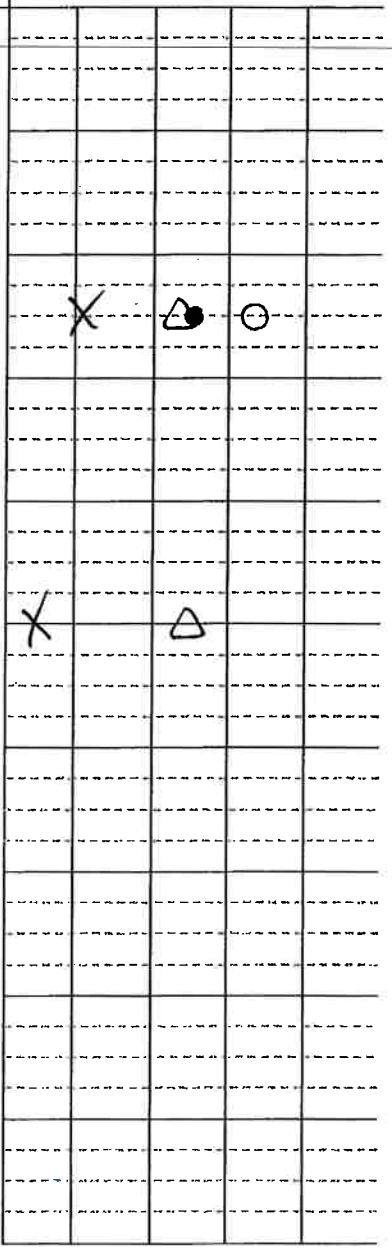
Comments: 516 Caren Dr., 5' E. of CL

Equipment: ☒CME 45B ☐CME 55 ☐Hand Auger ☐Other

depth, ft.	CLASSIFICATION Elevation Existing Surface	standard penetration ×	moisture content Δ	dry unit weight lbs./cu.ft. ϑ	unconfined compressive strengh ○
	(See Core Log)				
1	Dark brown to brown-gray clay,some silt,trace sand & gravel,damp,very tough				
2		11	23.0	101.6	3.3
3					
4	Brown fine sand,some gravel,trace silt & clay,very damp,very loose				
5	End of Boring	4	24.1		
6					
7					
8					
9					
10					

○ unconfined compressive strength, tons/sq. ft.
● penetrometer reading, tons/sq. ft.
1.0 2.0 3.0 4.0

× standard penetration "N", blows/ft.
Δ 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.
8 W. COLLEGE DR. • SUITE C • ARLINGTON HEIGHTS, IL 60004

SOIL BORING LOG B-3

Logged By: DB **Page:** 1 of 1

Client: Village of Buffalo Grove

File No. 23660 **Date Drilled:** 11/16/17

Reference: Misc. Streets
Buffalo Grove, IL

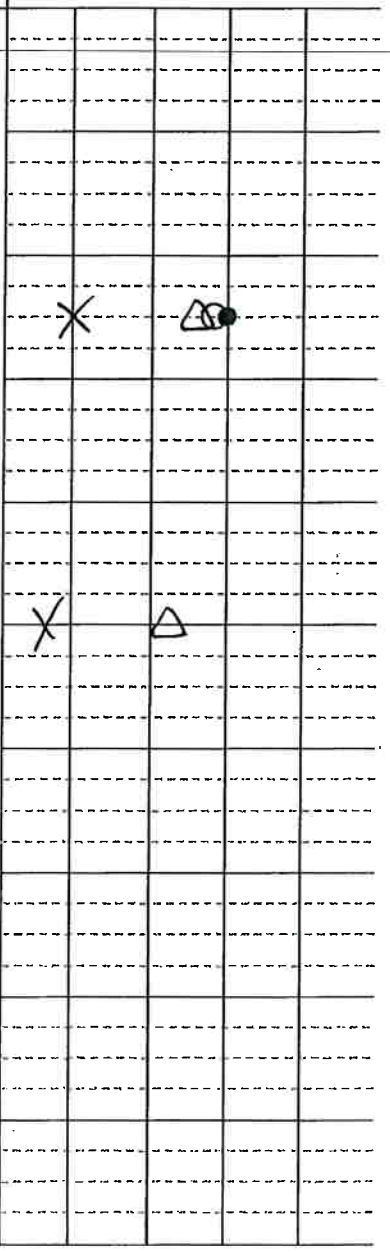
Comments: 421 Caren Dr., 8' S. of CL

Equipment: ☐CME 45B ☐CME 55 ☐Hand Auger ☐Other

depth, ft.	CLASSIFICATION Elevation Existing Surface	standard penetration ×	moisture content Δ	dry unit weight lbs./cu.ft. ɣ	unconfined compressive strength ○
	(See Core Log)				
1					
2	Dark brown to brown clay,some silt, trace sand & gravel,damp,very tough	10	26.2	93.8	2.9
3					
4	Brown silt,some fine sand,trace clay & gravel,very damp,loose				
5		6	21.2		
	End of Boring				
6					
7					
8					
9					
10					

○ unconfined compressive strength, tons/sq. ft.
● penetrometer reading, tons/sq. ft.
1.0 2.0 3.0 4.0

× standard penetration "N", blows/ft.
Δ 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.
8 W. COLLEGE DR. • SUITE C • ARLINGTON HEIGHTS, IL 60004

SOIL BORING LOG B-4

Logged By: DB Page: 1 of 1

Client: Village of Buffalo Grove

File No. 23660 Date Drilled: 11/16/17

Reference: Misc. Streets
Buffalo Grove, IL

Comments: Caren Ct., 50' S. of Caren Dr., 6' W. of CL

Equipment: ☒CME 45B ☐CME 55 ☐Hand Auger ☐Other

depth, ft.	CLASSIFICATION Elevation Existing Surface	standard penetration ×	moisture content Δ	dry unit weight lbs./cu.ft. ɣ	unconfined compressive strength O
	(See Core Log)				
1					
2	Sand & gravel, some large gravel - Fill				
3					
4	Brown clay & silt, some sand, trace gravel, very damp, medium dense				
5		12	15.9		
	End of Boring				
6					
7					
8					
9					
10					

○ unconfined compressive strength, tons/sq. ft.
● penetrometer reading, tons/sq. ft.
1.0 2.0 3.0 4.0

× standard penetration "N", blows/ft.
Δ moisture content, %
10 20 30 40

Water encountered at 2.0 feet during drilling operations (W.D.)
Water recorded at 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.
8 W. COLLEGE DR. • SUITE C • ARLINGTON HEIGHTS, IL 60004

SOIL BORING LOG B-5

Logged By: DB **Page:** 1 of 1

File No. 23660 **Date Drilled:** 11/16/17

Client: Village of Buffalo Grove

Reference: Misc. Streets
Buffalo Grove, IL

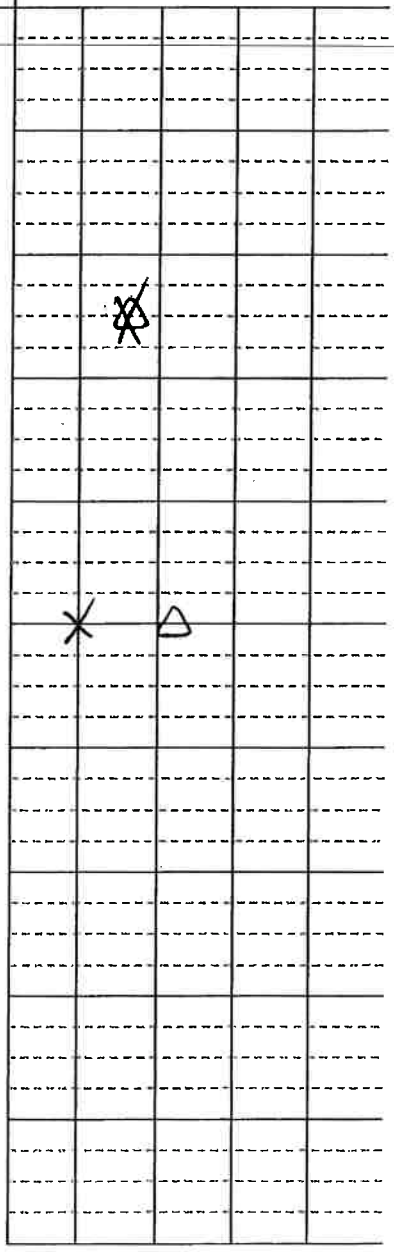
Comments: 441 Ronnie Dr., 4' S. of CL

Equipment: ☒CME 45B ☐CME 55 ☐Hand Auger ☐Other

depth, ft.	CLASSIFICATION Elevation Existing Surface	standard penetration ×	moisture content Δ	dry unit weight lbs./cu.ft. ɣ	unconfined compressive strengh O
	(See Core Log)				
1	Brown-gray silt,some clay,trace sand, damp,medium dense				
2		16	16.9		
3	Brown-gray silt,some clay,trace sand, damp,medium dense				
4					
5	End of Boring	10	21.2		
6					
7					
8					
9					
10					

○ unconfined compressive strength, tons/sq. ft.
● penetrometer reading, tons/sq. ft.
1.0 2.0 3.0 4.0

× standard penetration "N", blows/ft.
Δ 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.

8 W. COLLEGE DR. • SUITE C • ARLINGTON HEIGHTS, IL 60004

SOIL BORING LOG B-6

Logged By: DB Page: 1 of 1

Client: Village of Buffalo Grove File No. 23660 Date Drilled: 11/16/17

Reference: Misc. Streets
Buffalo Grove, IL

Comments: 326 Ronnie Dr., 6' W. of CL

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 ○
	(See Core Log)				
1	Dark brown-brown-black clay,some silt, trace sand & gravel,damp,hard - Fill				
2		11	14.8	114.8	5.9
3					
4	Dark brown-brown clay,some silt,trace sand & gravel,damp,very tough				
5		8	25.2	94.8	2.8
	End of Boring				
6					
7					
8					
9					
10					

○ 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.
8 W. COLLEGE DR. • SUITE C • ARLINGTON HEIGHTS, IL 60004

SOIL BORING LOG B-7

Logged By: DB Page: 1 of 1

Client: Village of Buffalo Grove

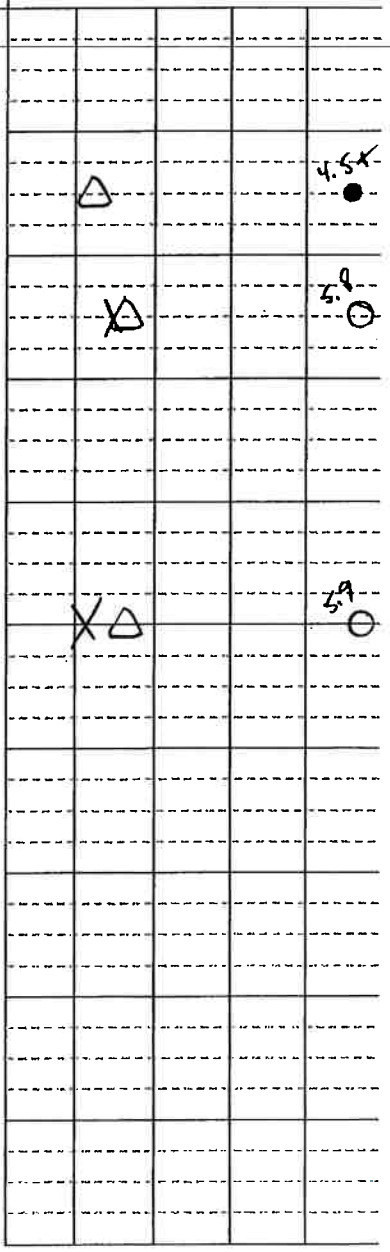
File No. 23660 Date Drilled: 11/16/17

Reference: Misc. Streets
Buffalo Grove, IL

Comments: 1350 Gail Dr., 6' N. of CL

Equipment: ☒CME 45B ☐CME 55 ☐Hand Auger ☐Other

depth, ft.	CLASSIFICATION Elevation Existing Surface	standard penetration ×	moisture content Δ	dry unit weight lbs./cu.ft. ϑ	unconfined compressive strengh O
	(See Core Log)				
1	Dark brown-brown-black clay,some silt, trace gravel,damp,hard - Fill		10.8		
2	Brown-gray clay,some silt,trace sand & gravel,damp,hard	15	15.6	117.8	5.8
3					
4					
5	End of Boring	11	15.5	117.1	5.9
6					
7					
8					
9					
10					



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.

8 W. COLLEGE DR. • SUITE C • ARLINGTON HEIGHTS, IL 60004

SOIL BORING LOG B-8

Logged By: DB **Page:** 1 of 1

Client: Village of Buffalo Grove

File No. 23660 **Date Drilled:** 11/16/17

Reference: Misc. Streets
Buffalo Grove, IL

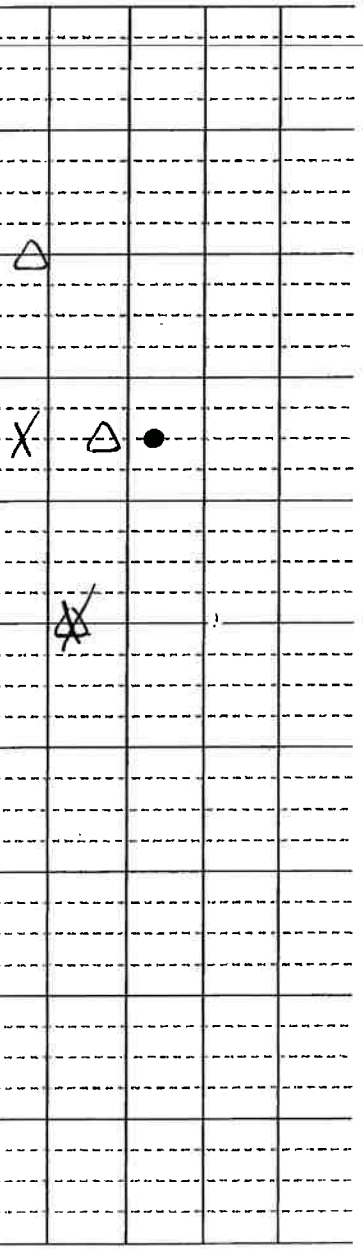
Comments: 1174 Gail Dr., 4' W. of CL

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 ○
	(See Core Log)				
1	Brown sand & gravel - Fill				
2	Gray silt & clay,trace sand & gravel, damp,very tough		8.7		
3		7	18.1		
4	Brown fine sand,some medium sand & gravel,very damp,medium dense				
5	End of Boring	13	12.9		
6					
7					
8					
9					
10					

○ 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.
8 W. COLLEGE DR. • SUITE C • ARLINGTON HEIGHTS, IL 60004

SOIL BORING LOG B-9

Logged By: DB Page: 1 of 1

Client: Village of Buffalo Grove

File No. 23660 Date Drilled: 11/16/17

Reference: Misc. Streets
Buffalo Grove, IL

Comments: 1386 Green Knolls Dr., 5' W. of CL

Equipment: ☒CME 45B ☐CME 55 ☐Hand Auger ☐Other

depth, ft.	CLASSIFICATION Elevation Existing Surface	standard penetration X	moisture content Δ	dry unit weight lbs./cu.ft. ϒ	unconfined compressive strength O
	(See Core Log)				
1	Dark brown clay,some silt,trace sand & gravel,damp,hard - Fill				
2		16	13.9	119.5	4.9
3					
4					
5	Brown gray clay,some silt,trace sand & gravel,damp,very tough	8	21.7	107.5	2.5
	End of Boring				
6					
7					
8					
9					
10					

○ 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.
8 W. COLLEGE DR. • SUITE C • ARLINGTON HEIGHTS, IL 60004

SOIL BORING LOG B-10

Logged By: DB Page: 1 of 1

Client: Village of Buffalo Grove

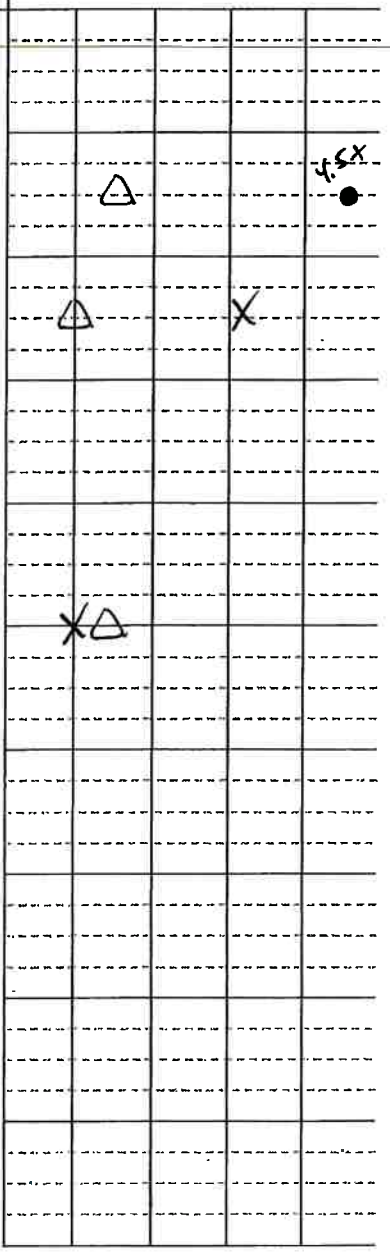
File No. 23660 Date Drilled: 11/16/17

Reference: Misc. Streets
Buffalo Grove, IL

Comments: 1191 Green Knolls Dr., 6' E. of CL

Equipment: ☑CME 45B ☐CME 55 ☐Hand Auger ☐Other

depth, ft.	CLASSIFICATION Elevation Existing Surface	standard penetration ×	moisture content Δ	dry unit weight lbs./cu.ft. ɣ	unconfined compressive strengh O
	(See Core Log)				
1	Dark brown clay,some silt,trace sand & gravel,damp,hard - Fill		14.9		
2	Brown silt,some clay & sand,trace gravel,damp,dense	32	9.6		
3					
4	Brown fine sand,some medium sand & gravel,very damp,medium dense				
5	End of Boring	10	14.0		
6					
7					
8					
9					
10					



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.
8 W. COLLEGE DR. • ARLINGTON HEIGHTS, IL 60004 • 847-670-0544 • FAX 847-670-0561

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]

SOIL AND MATERIAL CONSULTANTS, INC.

office: 1-847-870-0544
fax:1-847-870-0661
www.soilandmaterialconsultants.com
us@soilandmaterialconsultants.com

October 19, 2016
File No. 22601

Mr. Kyle Johnson
Village of Buffalo Gove
51 Raupp Boulevard
Buffalo Grove, IL 60089

Re: Pavement Investigation
2016 Street Improvement Program
Additional Cores
Buffalo Grove, Illinois

Dear Mr. Johnson:

We are submitting the results of our pavement investigation for the various streets included in the above referenced project. The investigation was requested to determine existing pavement sections.

The original field investigation included obtaining 20 cores. This supplemental investigation contains an additional 45 pavement cores at the requested locations. The pavement materials were returned to our laboratory for identification and thickness verification. The results are included in the summary with this submittal.

If you should have any questions concerning the enclosed information, please feel free to contact our office at anytime.

Very truly yours,

SOIL AND MATERIAL CONSULTANTS, INC.

Reid T. Steinbach, E.I.T.
Project Engineer

TPJ:ek
Enc.

N

SMC	SOIL AND MATERIAL CONSULTANTS, INC.	LOCATION SKETCH
Client:	VILLAGE OF BUFFALO GROVE	
Project:	2016 STREET IMPROVEMENT PROGRAM – ADDITIONAL CORES	
Location:	ARLINGTON HEIGHTS, ILLINOIS	
File No. 22601	Date: 10-12-16	Scale: NONE

SOIL AND MATERIAL CONSULTANTS, INC.

8 WEST COLLEGE DRIVE
ARLINGTON HEIGHTS, IL 60004

OFFICE: (847) 870-0544
FAX (847) 870-0661

Date: 10/3/16

File No.: 22601

CORE LOG

Client: Village of Buffalo Grove

Reference: 2016 Street Improvement Program Additional Cores

Core No: C-37

Work Done By: DB & JL

Location of Core: Fremont Way, 60' S. of Bristol Ln., 6' E. of CL

Comments:

(Depth, In.)	Type of Material	Recovery
0		
1	1-3/4" Bituminous concrete - surface	Full
2	Petromat 0-3/4" Bituminous concrete - surface	Full
3		
4	3-0" Bituminous concrete - binder (failed)	Partial
5		
6		
7		
8		
9	6-1/2" Bituminous concrete - binder	Full
10		
11		
12		
13		
14		
15	5-0" Crushed limestone with fines	Partial
16		
17	Total 17-0"	
	E.O.C.	
18		
19		
20		

SOIL AND MATERIAL CONSULTANTS, INC.

8 WEST COLLEGE DRIVE
ARLINGTON HEIGHTS, IL 60004

OFFICE: (847) 870-0544
FAX: (847) 870-0661

Date: 10/3/16

File No.: 22601

CORE LOG

Client: Village of Buffalo Grove

Reference: 2016 Street Improvement Program Additional Cores

Core No: C-38

Work Done By: DB & JL

Location of Core: Fremont Way & Fairfax Ln., 4' W. of CL

Comments:

(Depth, In.)	Type of Material	Recovery
0	1-1/4" Bituminous concrete - surface	Full
1	Petromat	
2	2-0" Bituminous concrete - surface	Full
3	Petromat	
4	1-3/4" Bituminous concrete - surface	Full
5		
6		
7	3-3/4" Bituminous concrete - binder	Full
8	no bond	
9		
10	3-1/4" Bituminous concrete binder	Full
11		
12		
13		
14	5-0" Crushed & uncrushed gravel with fines	Partial
15		
16		
17	Total 17-0"	
	E.O.C.	
18		
19		
20		

SOIL AND MATERIAL CONSULTANTS, INC.

8 WEST COLLEGE DRIVE
ARLINGTON HEIGHTS, IL 60004

OFFICE: (847) 870-0544
FAX: (847) 870-0661

Date: 10/3/16

File No.: 22601

CORE LOG

Client: Village of Buffalo Grove

Reference: 2016 Street Improvement Program Additional Cores

Core No: C-39

Work Done By: DB & JL

Location of Core: Fremont Way, 50' W. of Bristol Ln., 5' S. of CL

Comments:

(Depth, In.)

	Type of Material	Recovery
0	1-1/2" Bituminous concrete - surface	Full
1	Petromat	
2	1-1/4" Bituminous concrete - surface	Full
3	Petromat	
4		
5	3-0" Bituminous concrete - surface	Full
6	no bond	
7		
8	4-3/4" Bituminous concrete - binder	Full
9		
10	Total 10-1/2"	
11	E.O.C.	
12		
13		
14		
15		
16		
17		
18		
19		
20		

SOIL AND MATERIAL CONSULTANTS, INC.

8 WEST COLLEGE DRIVE
ARLINGTON HEIGHTS, IL 60004

OFFICE (847) 870-0544
FAX: (847) 870-0661

Date: 10/3/16

File No.: 22601

CORE LOG

Client: Village of Buffalo Grove

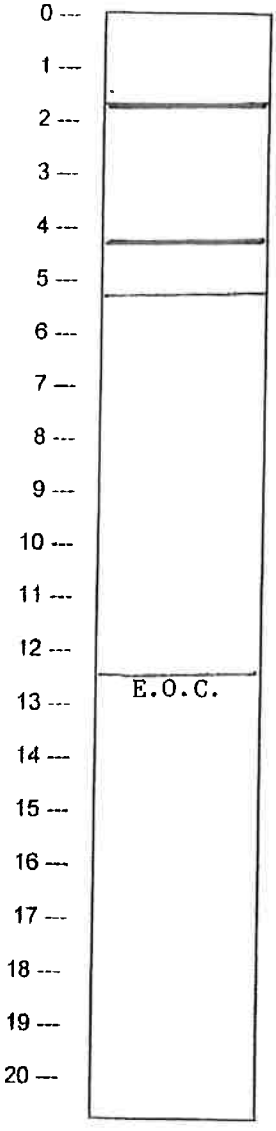
Reference: 2016 Street Improvement Program Additional Cores

Core No: C-40

Work Done By: DB & JL

Location of Core: Fremont Way, 150' W. of Arlington Heights Rd., 6' N. of CL

Comments:



Type of Material	Recovery
1-3/4" Bituminous concrete - surface	Full
Petromat	
2-1/2" Bituminous concrete - surface	Full
Petromat	
1-0" Bituminous concrete - surface	Full
7-1/4" Bituminous concrete - binder	Full
Total 12-1/2"	

G-333

SOIL AND MATERIAL CONSULTANTS, INC.

8 WEST COLLEGE DRIVE
ARLINGTON HEIGHTS, IL 60004

OFFICE: (847) 870-0544
FAX: (847) 870-0661

Date: 10/3/16

File No.: 22601

CORE LOG

Client: Village of Buffalo Grove

Reference: 2016 Street Improvement Program
Additional Cores

Core No: C-45

Work Done By: DB & JL

Location of Core: Fremont Way, 100' N. of Bristol Ln., 14' E. of CL

Comments:

(Depth, In.)

	Type of Material	Recovery
0		
1	1-3/4" Bituminous concrete - surface	Full
2	Petromat	
3	1-1/4" Bituminous concrete - surface no bond	Full
4		
5	4-1/2" Bituminous concrete - binder	Full
6		
7		
8		
9		
10		
11	5-1/2" Bituminous concrete - binder	Full
12		
13	E.O.C. Total 13-0"	
14		
15		
16		
17		
18		
19		
20		

SOIL AND MATERIAL CONSULTANTS, INC.

8 WEST COLLEGE DRIVE
ARLINGTON HEIGHTS, IL 60004

OFFICE: (847) 870-0544
FAX (847) 870-0661

Date: 10/3/16

File No.: 22601

CORE LOG

Client: Village of Buffalo Grove

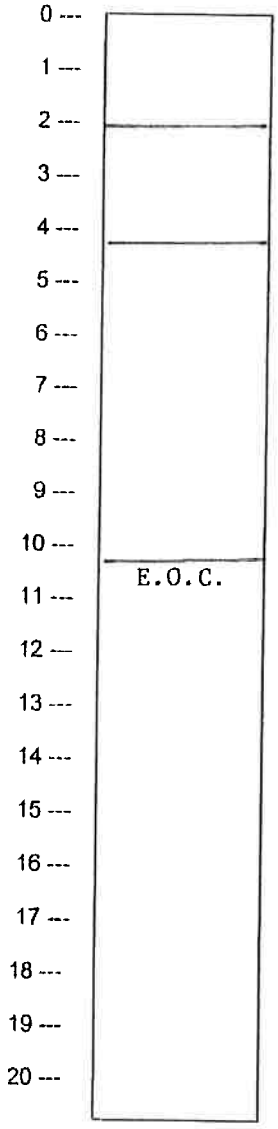
Reference: 2016 Street Improvement Program Additional Cores

Core No: C-46

Work Done By: DB & JL

Location of Core: Fremont Way, 140' S. of Bristol Ln., 7' W. of CL

Comments:



Type of Material	Recovery
2-0" Bituminous concrete - surface	Full
2-1/4" Bituminous concrete - surface	Full
6-0" Bituminous concrete - binder	Full
Total 10-1/4"	

SOIL AND MATERIAL CONSULTANTS, INC.

8 WEST COLLEGE DRIVE
ARLINGTON HEIGHTS, IL 60004

OFFICE: (847) 870-0544
FAX (847) 870-0661

Date: 10/3/16

File No.: 22601

CORE LOG

Client: Village of Buffalo Grove

Reference: 2016 Street Improvement Program Additional Cores

Core No: C-48

Work Done By: DB & JL

Location of Core: Fremont Way, 100' N. of Fremont Ct., 6' E. of CL

Comments:

(Depth, In.)

	Type of Material	Recovery
0	1-0" Bituminous concrete - surface	Full
1	Petromat	
	0-1/2" Bituminous concrete - surface	Full
2	1-1/4" Bituminous concrete - surface	Full
3	Petromat	
	1-0" Bituminous concrete - surface	Full
4		
5		
6	3-1/2" Bituminous concrete - binder (failed)	Partial
7	no bond	
8		
9	3-3/4" Bituminous concrete - binder (failed)	Partial
10		
11	Total 11-0"	
	E.O.C.	
12		
13		
14		
15		
16		
17		
18		
19		
20		

SOIL AND MATERIAL CONSULTANTS, INC.

8 WEST COLLEGE DRIVE
ARLINGTON HEIGHTS, IL 60004

OFFICE: (847) 870-0544
FAX: (847) 870-0661

Date: 10/3/16

File No.: 22601

CORE LOG

Client: Village of Buffalo Grove

Reference: 2016 Street Improvement Program Additional Cores

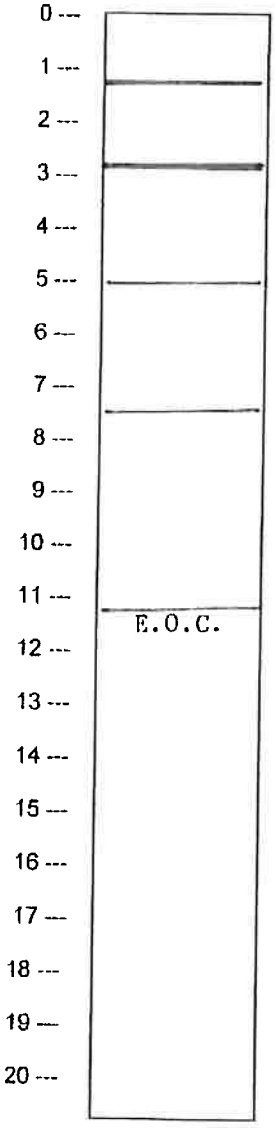
Core No: C-54

Work Done By: DB & JL

Location of Core: Fremont Way, 150' N. of Anderson Ln., 6' E. of CL

Comments:

(Depth, In.)



Type of Material	Recovery
1-1/4" Bituminous concrete - surface Petromat	Full
2-1/2" Bituminous concrete - surface Petromat	Full
1-1/4" Bituminous concrete - surface	Full
2-1/2" Bituminous concrete - binder (failed) no bond	Partial
3-3/4" Bituminous concrete - binder	Full
Total 11-1/4"	

SOIL AND MATERIAL CONSULTANTS, INC.

8 WEST COLLEGE DRIVE
ARLINGTON HEIGHTS, IL 60004

OFFICE: (847) 870-0544
FAX (847) 870-0661

Date: 10/12/16

File No.: 22601

CORE LOG

Client: Village of Buffalo Grove

Reference: 2016 Street Improvement Program Additional Cores

Core No: C-57

Work Done By: DB & AD

Location of Core: 1488 Fremont Way, 4' W. of CL

Comments:

(Depth, In.)	Type of Material	Recovery
0		
1	1-0" Bituminous concrete - surface (failed) no bond	Partial
	Petromat	
2	2-1/4" Bituminous concrete - surface	Full
3	Petromat	
4	1-1/2" Bituminous concrete - surface no bond	Full
5		
6	2-1/2" Bituminous concrete - binder	Full
7	no bond	
8		
9	3-3/4" Bituminous concrete - binder	Full
10		
11		
12	2-1/4" Crushed & uncrushed gravel with fines	Partial
13	Total 13-1/4"	
	E.O.C.	
14		
15		
16		
17		
18		
19		
20		

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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3	☐	EEO	79
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26	☐	Digital Terrain Modeling for Earthwork Calculations	155
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35	☐	Portland Cement Concrete Partial Depth Hot-Mix Asphalt Patching	175

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

Check Sheet #			Page No.
LRS 1		**Reserved**	179
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LRS 4	☒	Flaggers in Work Zones	182
LRS 5	☒	Contract Claims	183
LRS 6	☒	Bidding Requirements and Conditions for Contract Proposals	184
LRS 7	☐	Bidding Requirements and Conditions for Material Proposals	190
LRS 8		**Reserved**	196
LRS 9	☐	Bituminous Surface Treatments	197
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LRS 12	☒	Wages of Employees on Public Works	201
LRS 13	☒	Selection of Labor	203
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LRS 18	☐	Multigrade Cold Mix Asphalt	210

BDE SPECIAL PROVISIONS
For the January 18, 2019 and March 8, 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	
	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	April 2, 2018
	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	
	80388	23	☑	Equipment Parking and Storage	Nov. 1, 2017	
	80229	24	☐	Fuel Cost Adjustment	April 1, 2009	Aug. 1, 2017
	80304	25	☐	Grooving for Recessed Pavement Markings	Nov. 1, 2012	Nov. 1, 2017
	80246	26	☑	Hot-Mix Asphalt – Density Testing of Longitudinal Joints	Jan. 1, 2010	Aug. 1, 2018
*	80406	27	☐	Hot-Mix Asphalt – Mixture Design Verification and Production (Modified for I-FIT Projects)	Jan. 1, 2019	
*	80398	28	☐	Hot-Mix Asphalt – Longitudinal Joint Sealant	Aug. 1, 2018	Jan. 1, 2019
	80399	29	☑	Hot-Mix Asphalt – Oscillatory Roller	Aug. 1, 2018	Nov. 1, 2018
	80347	30	☐	Hot-Mix Asphalt – Pay for Performance Using Percent Within Limits – Jobsite Sampling	Nov. 1, 2014	Aug. 1, 2018
*	80383	31	☐	Hot-Mix Asphalt – Quality Control for Performance	April 1, 2017	Jan. 1, 2019
	80376	32	☑	Hot-Mix Asphalt – Tack Coat	Nov. 1, 2016	
	80392	33	☑	Lights on Barricades	Jan. 1, 2018	
	80336	34	☐	Longitudinal Joint and Crack Patching	April 1, 2014	April 1, 2016
*	80393	35	☐	Manholes, Valve Vaults, and Flat Slab Tops	Jan. 1, 2018	Jan. 1, 2019
	80400	36	☐	Mast Arm Assembly and Pole	Aug. 1, 2018	
	80045	37	☐	Material Transfer Device	June 15, 1999	Aug. 1, 2014
	80394	38	☐	Metal Flared End Section for Pipe Culverts	Jan. 1, 2018	April 1, 2018
	80165	39	☐	Moisture Cured Urethane Paint System	Nov. 1, 2006	Jan. 1, 2010
	80349	40	☐	Pavement Marking Blackout Tape	Nov. 1, 2014	April 1, 2016
	80371	41	☐	Pavement Marking Removal	July 1, 2016	
	80390	42	☑	Payments to Subcontractors	Nov. 2, 2017	
	80389	43	☑	Portland Cement Concrete	Nov. 1, 2017	
	80359	44	☐	Portland Cement Concrete Bridge Deck Curing	April 1, 2015	Nov. 1, 2017
	80401	45	☐	Portland Cement Concrete Pavement Connector for Bridge Approach Slab	Aug. 1, 2018	

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

COMPENSABLE DELAY COSTS (BDE)

Effective: June 2, 2017

Revise Article 107.40(b) of the Standard Specifications to read:

"(b) Compensation. Compensation will not be allowed for delays, inconveniences, or damages sustained by the Contractor from conflicts with facilities not meeting the above definition; or if a conflict with a utility in an unanticipated location does not cause a shutdown of the work or a documentable reduction in the rate of progress exceeding the limits set herein. The provisions of Article 104.03 notwithstanding, compensation for delays caused by a utility in an unanticipated location will be paid according to the provisions of this Article governing minor and major delays or reduced rate of production which are defined as follows.

(1) Minor Delay. A minor delay occurs when the work in conflict with the utility in an unanticipated location is completely stopped for more than two hours, but not to exceed two weeks.

(2) Major Delay. A major delay occurs when the work in conflict with the utility in an unanticipated location is completely stopped for more than two weeks.

(3) Reduced Rate of Production Delay. A reduced rate of production delay occurs when the rate of production on the work in conflict with the utility in an unanticipated location decreases by more than 25 percent and lasts longer than seven calendar days."

Revise Article 107.40(c) of the Standard Specifications to read:

"(c) Payment. Payment for Minor, Major, and Reduced Rate of Production Delays will be made as follows.

(1) Minor Delay. Labor idled which cannot be used on other work will be paid for according to Article 109.04(b)(1) and (2) for the time between start of the delay and the minimum remaining hours in the work shift required by the prevailing practice in the area.

Equipment idled which cannot be used on other work, and which is authorized to standby on the project site by the Engineer, will be paid for according to Article 109.04(b)(4).

(2) Major Delay. Labor will be the same as for a minor delay.

Equipment will be the same as for a minor delay, except Contractor-owned equipment will be limited to two weeks plus the cost of move-out to either the Contractor's yard or another job and the cost to re-mobilize, whichever is less.

Rental equipment may be paid for longer than two weeks provided the Contractor presents adequate support to the Department (including lease agreement) to show retaining equipment on the job is the most economical course to follow and in the public interest.

(3) Reduced Rate of Production Delay. The Contractor will be compensated for the reduced productivity for labor and equipment time in excess of the 25 percent threshold for that portion of the delay in excess of seven calendar days. Determination of compensation will be in accordance with Article 104.02, except labor and material additives will not be permitted.

Payment for escalated material costs, escalated labor costs, extended project overhead, and extended traffic control will be determined according to Article 109.13."

Revise Article 108.04(b) of the Standard Specifications to read:

"(b) No working day will be charged under the following conditions.

(1) When adverse weather prevents work on the controlling item.

(2) When job conditions due to recent weather prevent work on the controlling item.

(3) When conduct or lack of conduct by the Department or its consultants, representatives, officers, agents, or employees; delay by the Department in making the site available; or delay in furnishing any items required to be furnished to the Contractor by the Department prevents work on the controlling item.

(4) When delays caused by utility or railroad adjustments prevent work on the controlling item.

(5) When strikes, lock-outs, extraordinary delays in transportation, or inability to procure critical materials prevent work on the controlling item, as long as these delays are not due to any fault of the Contractor.

(6) When any condition over which the Contractor has no control prevents work on the controlling item."

Revise Article 109.09(f) of the Standard Specifications to read:

"(f) Basis of Payment. After resolution of a claim in favor of the Contractor, any adjustment in time required for the work will be made according to Section 108. Any adjustment in the costs to be paid will be made for direct labor, direct materials, direct equipment, direct jobsite overhead, direct offsite overhead, and other direct costs allowed by the resolution. Adjustments in costs will not be made for interest charges, loss of anticipated profit, undocumented loss of efficiency, home office overhead and unabsorbed overhead

other than as allowed by Article 109.13, lost opportunity, preparation of claim expenses and other consequential indirect costs regardless of method of calculation.

The above Basis of Payment is an essential element of the contract and the claim cost recovery of the Contractor shall be so limited."

Add the following to Section 109 of the Standard Specifications.

"**109.13 Payment for Contract Delay.** Compensation for escalated material costs, ~~escalated labor costs, extended project overhead, and extended traffic control will be allowed~~ when such costs result from a delay meeting the criteria in the following table.

Contract Type	Cause of Delay	Length of Delay
Working Days	Article 108.04(b)(3) or Article 108.04(b)(4)	No working days have been charged for two consecutive weeks.
Completion Date	Article 108.08(b)(1) or Article 108.08(b)(7)	The Contractor has been granted a minimum two week extension of contract time, according to Article 108.08.

Payment for each of the various costs will be according to the following.

(a) Escalated Material and/or Labor Costs. When the delay causes work, which would have otherwise been completed, to be done after material and/or labor costs have increased, such increases will be paid. Payment for escalated material costs will be limited to the increased costs substantiated by documentation furnished by the Contractor. Payment for escalated labor costs will be limited to those items in Article 109.04(b)(1) and (2), except the 35 percent and 10 percent additives will not be permitted.

(b) Extended Project Overhead. For the duration of the delay, payment for extended project overhead will be paid as follows.

(1) Direct Jobsite and Offsite Overhead. Payment for documented direct jobsite overhead and documented direct offsite overhead, including onsite supervisory and administrative personnel, will be allowed according to the following table.

Original Contract Amount	Supervisory and Administrative Personnel
Up to $5,000,000	One Project Superintendent
Over $ 5,000,000 - up to $25,000,000	One Project Manager, One Project Superintendent or Engineer, and One Clerk
Over $25,000,000 - up to $50,000,000	One Project Manager, One Project Superintendent, One Engineer, and

	One Clerk
Over $50,000,000	One Project Manager, Two Project Superintendents, One Engineer, and One Clerk

(2) Home Office and Unabsorbed Overhead. Payment for home office and unabsorbed overhead will be calculated as 8 percent of the total delay cost.

(c) Extended Traffic Control. Traffic control required for an extended period of time due to the delay will be paid. For working day contracts the payment will be made according to Article 109.04. For completion date contracts, an adjustment will be determined as follows.

Extended Traffic Control occurs between April 1 and November 30:

ETCP Adjustment ($) = TE x (%/100 x CUP / OCT)

Extended Traffic Control occurs between December 1 and March 31:

ETCP Adjustment ($) = TE x 1.5 (%/100 x CUP / OCT)

Where: TE = Duration of approved time extension in calendar days.
% = Percent maintenance for the traffic control, % (see table below).
CUP = Contract unit price for the traffic control pay item in place during the delay.
OCT = Original contract time in calendar days.

Original Contract Amount	Percent Maintenance
Up to $2,000,000	65%
$2,000,000 to $10,000,000	75%
$10,000,000 to $20,000,000	85%
Over $20,000,000	90%

When an ETCP adjustment is paid under this provision, an adjusted unit price as provided for in Article 701.20(a) for increase or decrease in the value of work by more than ten percent will not be paid.

Upon payment for a contract delay under this provision, the Contractor shall assign subrogation rights to the Department for the Department's efforts of recovery from any other party for monies paid by the Department as a result of any claim under this provision. The Contractor shall fully cooperate with the Department in its efforts to recover from another party any money paid to the Contractor for delay damages under this provision."

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

DISPOSAL FEES (BDE)

Effective: November 1, 2018

Replace Articles 109.04(b)(5) – 109.04(b)(8) of the Standard Specifications with the following:

"(5) Disposal Fees. When the extra work performed includes paying for disposal fees at a clean construction and demolition debris facility, an uncontaminated soil fill operation or a landfill, the Contractor shall receive, as administrative costs, an amount equal to five ~~percent of the first $10,000 and one percent of any amount over $10,000 of the total~~ approved costs of such fees.

(6) Miscellaneous. No additional allowance will be made for general superintendence, the use of small tools, or other costs for which no specific allowance is herein provided.

(7) Statements. No payment will be made for work performed on a force account basis until the Contractor has furnished the Engineer with itemized statements of the cost of such force account work. Statements shall be accompanied and supported by invoices for all materials used and transportation charges. However, if materials used on the force account work are not specifically purchased for such work but are taken from the Contractor's stock, then in lieu of the invoices, the Contractor shall furnish an affidavit certifying that such materials were taken from his/her stock, that the quantity claimed was actually used, and that the price and transportation claimed represent the actual cost to the Contractor.

Itemized statements at the cost of force account work shall be detailed as follows.

a. Name, classification, date, daily hours, total hours, rate, and extension for each laborer and foreman. Payrolls shall be submitted to substantiate actual wages paid if so requested by the Engineer.

b. Designation, dates, daily hours, total hours, rental rate, and extension for each unit of machinery and equipment.

c. Quantities of materials, prices and extensions.

d. Transportation of materials.

e. Cost of property damage, liability and workmen's compensation insurance premiums, unemployment insurance contributions, and social security tax.

(8) Work Performed by an Approved Subcontractor. When extra work is performed by an approved subcontractor, the Contractor shall receive, as administrative costs, an amount equal to five percent of the total approved costs of such work with the minimum payment being $100.

(9) All statements of the cost of force account work shall be furnished to the Engineer not later than 60 days after receipt of the Central Bureau of Construction form "Extra Work Daily Report". If the statement is not received within the specified time frame, all demands for payment for the extra work are waived and the Department is released from any and all such demands. It is the responsibility of the Contractor to ensure that all statements are received within the specified time regardless of the manner or method of delivery."

EQUIPMENT PARKING AND STORAGE (BDE)

Effective: November 1, 2017

Replace the first paragraph of Article 701.11 of the Standard Specifications with the following.

"**701.11 Equipment Parking and Storage.** During working hours, all vehicles and/or nonoperating equipment which are parked, two hours or less, shall be parked at least 8 ft (2.5 m) from the open traffic lane. For other periods of time during working and for all nonworking hours, all vehicles, materials, and equipment shall be parked or stored as follows.

(a) When the project has adequate right-of-way, vehicles, materials, and equipment shall be located a minimum of 30 ft (9 m) from the pavement.

(b) When adequate right-of-way does not exist, vehicles, materials, and equipment shall be located a minimum of 15 ft (4.5 m) from the edge of any pavement open to traffic.

(c) Behind temporary concrete barrier, vehicles, materials, and equipment shall be located a minimum of 24 in. (600 mm) behind free standing barrier or a minimum of 6 in. (150 mm) behind barrier that is either pinned or restrained according to Article 704.04. The 24 in. or 6 in. measurement shall be from the base of the non-traffic side of the barrier.

(d) Behind other man-made or natural barriers meeting the approval of the Engineer."

80388

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 – OSCILLATORY ROLLER (BDE)

Effective: August 1, 2018
Revised: November 1, 2018

Add the following to Article 406.03 of the Standard Specifications:

"(j) Oscillatory Roller ..... 1101.01"

Revise Table 1 and Note 3/ of Table 1 in Article 406.07(a) of the Standard Specifications to read:

"TABLE 1 - MINIMUM ROLLER REQUIREMENTS FOR HMA

	Breakdown Roller (one of the following)	Intermediate Roller	Final Roller (one or more of the following)	Density Requirement
Level Binder: (When the density requirements of Article 406.05(c) do not apply.)	P 3/	- -	V_S, P 3/, T_B, T_F, 3W, O_T	To the satisfaction of the Engineer.
Binder and Surface 1/ Level Binder 1/: (When the density requirements of Article 406.05(c) apply.)	V_D, P 3/, T_B, 3W, O_T, O_B	P 3/, O_T, O_B	V_S, T_B, T_F, O_T	As specified in Articles: 1030.05(d)(3), (d)(4), and (d)(7).
IL-4.75 and SMA 4/ 5/	T_B, 3W, O_T	- -	T_F, 3W, O_T	
Bridge Decks 2/	T_B	- -	T_F	As specified in Articles 582.05 and 582.06.

3/ A vibratory roller (V_D) or oscillatory roller (O_T or O_B) may be used in lieu of the pneumatic-tired roller on mixtures containing polymer modified asphalt binder."

Add the following to EQUIPMENT DEFINITION in Article 406.07(a) contained in the Errata of the Supplemental Specifications:

"O_T - Oscillatory roller, tangential impact mode. Maximum speed is 3.0 mph (4.8 km/h) or 264 ft/min (80 m/min).

O_B - Oscillatory roller, tangential and vertical impact mode, operated at a speed to produce not less than 10 vertical impacts/ft (30 impacts/m)."

Add the following to Article 1101.01 of the Standard Specifications:

"(h) Oscillatory Roller. The oscillatory roller shall be self-propelled and provide a smooth operation when starting, stopping, or reversing directions. The oscillatory roller shall be able to operate in a mode that will provide tangential impact force with or without vertical impact force by using at least one drum. The oscillatory roller shall be equipped with water tanks and sprinkling devices, or other approved methods, which shall be used to wet the drums to prevent material pickup. The drum(s) amplitude and frequency of the tangential and vertical impact force shall be approximately the same in each direction and meet the following requirements:

(1) The minimum diameter of the drum(s) shall be 42 in. (1070 mm)48 in. (1200 mm);

(2) The minimum length of the drum(s) shall be 57 in. (1480 mm)66 in. (1650 mm);

(3) The minimum unit static force on the drum(s) shall be 125 lb/in. (22 N/m); and

(4) The minimum force on the oscillatory drum shall be 18,000 lb (80 kN).”; and

(5) Self-adjusting eccentrics, and reversible eccentrics on non-driven drum(s).”

80399

HOT-MIX ASPHALT – TACK COAT (BDE)

Effective: November 1, 2016

Revise Article 1032.06(a) of the Standard Specifications to read:

"(a) Anionic Emulsified Asphalt. Anionic emulsified asphalts shall be according to AASHTO M 140. SS-1h emulsions used as a tack coat shall have the cement mixing test waived."

80376

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

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

REMOVAL AND DISPOSAL OF REGULATED SUBSTANCES (BDE)

Effective: January 1, 2019

Revise Section 669 of the Standard Specifications to read:

"SECTION 669. REMOVAL AND DISPOSAL OF REGULATED SUBSTANCES

669.01 Description. This work shall consist of the transportation and proper disposal of contaminated soil and groundwater. This work shall also consist of the removal, transportation, and proper disposal of underground storage tanks (UST), their content and associated underground piping to the point where the piping is above the ground, including determining the content types and estimated quantities.

669.02 Equipment. The Contractor shall notify the Engineer of the delivery of all excavation, storage, and transportation equipment to a work area location. The equipment shall comply with OSHA and American Petroleum Institute (API) guidelines and shall be furnished in a clean condition. Clean condition means the equipment does not contain any residual material classified as a non-special waste, non-hazardous special waste, or hazardous waste. Residual materials include, but are not limited to, petroleum products, chemical products, sludges, or any other material present in or on equipment.

Before beginning any associated soil or groundwater management activity, the Contractor shall provide the Engineer with the opportunity to visually inspect and approve the equipment. If the equipment contains any contaminated residual material, decontamination shall be performed on the equipment as appropriate to the regulated substance and degree of contamination present according to OSHA and API guidelines. All cleaning fluids used shall be treated as the contaminant unless laboratory testing proves otherwise.

669.03 Pre-construction Submittals. Prior to beginning this work, or working in areas with regulated substances, the Contractor shall submit a Regulated Substance Pre-Construction Plan (RSPCP) to the Engineer for review and approval using form BDE 2730. The form shall be signed by an Illinois licensed Professional Engineer or Professional Geologist.

As part of the RSPCP, the qualifications of Contractor(s) or firm(s) performing the following work shall be listed.

(a) On-Site Monitoring. Qualification for on-site monitoring of regulated substance work and on-site monitoring of UST removal requires either pre-qualification in Hazardous Waste by the Department or demonstration of acceptable project experience in remediation and special waste operations for contaminated sites in accordance with applicable Federal, State, or local regulatory requirements.

Qualification for each individual performing on-site monitoring requires a minimum of one-year of experience in similar activities as those required for the project.

(b) Underground Storage Tank. Qualification for underground storage tank (UST) work requires licensing and certification with the Office of the State Fire Marshall (OSFM) and possession of all permits required to perform the work. A copy of the permit shall be provided to the Engineer prior to tank removal.

The qualified Contractor(s) or firm(s) shall also document it does not have any current or former ties with any of the properties contained within, adjoining, or potentially affecting the work.

The Engineer will require up to 30 calendar days for review of the RSPCP. The review may involve rejection or revision and resubmittal; in which case, an additional 30 days will be required for each subsequent review. Work shall not commence until the RSPCP has been approved by the Engineer. After approval, the RSPCP shall be revised as necessary to reflect changed conditions in the field.

CONSTRUCTION REQUIREMENTS

669.04 Contaminated Soil and/or Groundwater Monitoring. Prior to beginning excavation, the Contractor shall mark the limits of removal for approval by the Engineer. Once excavation begins, the work and work area involving regulated substances shall be monitored by qualified personnel. The qualified personnel shall be on-site continuously during excavation and loading of material containing regulated substances. The qualified personnel shall be equipped with either a photoionization detector (PID) (minimum 10.6eV lamp), or a flame ionization detector (FID), and other equipment, as appropriate, to monitor for potential contaminants associated with volatile organic compounds (VOCs) or semi-volatile organic compounds (SVOCs). The PID or FID meter shall be calibrated on-site and background level readings taken and recorded daily, and as field and weather conditions change. Any field screen reading on the PID or FID in excess of background levels indicates the potential presence of contaminated material requiring handling as a non-special waste, special waste, or hazardous waste. PID or FID readings may be used as the basis of increasing the limits of removal with the approval of the Engineer but shall in no case be used to decrease the limits.

The qualified personnel shall document field activities using form BDE 2732 (Regulated Substances Monitoring Daily Record) including the name(s) of personnel conducting the monitoring, weather conditions, PID or FID calibration records, a list of equipment used on-site, a narrative of activities completed, photo log sheets, manifests and landfill tickets, monitoring results, how regulated substances were managed and other pertinent information.

Samples will be collected in accordance with the RSPCP. Samples shall be analyzed for the contaminants of concern (COCs), including pH, based on the property's land use history, the encountered abnormality and/or the parameters listed in the maximum allowable concentration (MAC) for chemical constituents in uncontaminated soil established pursuant to Subpart F of 35 Ill. Adm. Code 1100.605. The analytical results shall serve to document the level of contamination.

Samples shall be grab samples (not combined with other locations). The samples shall be taken with decontaminated or disposable instruments. The samples shall be placed in sealed containers and transported in an insulated container to the laboratory. The container shall maintain a temperature of 39 °F (4 °C). All samples shall be clearly labeled. The labels shall indicate the sample number, date sampled, collection location and depth, and any other relevant observations.

The laboratory shall use analytical methods which are able to meet the lowest appropriate practical quantitation limits (PQL) or estimated quantitation limit (EQL) specified in "Test Methods for Evaluating Solid Wastes, Physical/Chemical Methods", EPA Publication No. SW-846; "Methods for the Determination of Organic Compounds in Drinking Water", EPA, EMSL, EPA-600/4-88/039; and "Methods for the Determination of Organic Compounds in Drinking Water, Supplement III", EPA 600/R-95/131, August 1995. For parameters where the specified cleanup objective is below the acceptable detection limit (ADL), the ADL shall serve as the cleanup objective. For other parameters the ADL shall be equal to or below the specified cleanup objective.

669.05 Contaminated Soil and/or Groundwater Management and Disposal. The management and disposal of contaminated soil and/or groundwater shall be according to the following:

(a) Soil Analytical Results Exceed Most Stringent MAC. When the soil analytical results indicate that detected levels exceed the most stringent maximum allowable concentration (MAC) for chemical constituents in uncontaminated soil established pursuant to Subpart F of 35 Illinois Administrative Code 1100.605, the soil shall be managed as follows:

(1) When analytical results indicate inorganic chemical constituents exceed the most stringent MAC but they are still considered within area background levels by the Engineer, the excavated soil can be utilized within the construction limits as fill, when suitable. If the soils cannot be utilized within the construction limits, they shall be managed and disposed of off-site as a non-special waste, special waste, or hazardous waste as applicable.

(2) When analytical results indicate chemical constituents exceed the most stringent MAC but do not exceed the MAC for a Metropolitan Statistical Area (MSA) County, the excavated soil can be utilized within the construction limits as fill, when suitable, or managed and disposed of off-site as "uncontaminated soil" at a clean construction and demolition debris (CCDD) facility or an uncontaminated soil fill operation (USFO) within an MSA County provided the pH of the soil is within the range of 6.25 - 9.0, inclusive.

(3) When analytical results indicate chemical constituents exceed the most stringent MAC but do not exceed the MAC for an MSA County excluding Chicago, or the MAC within the Chicago corporate limits, the excavated soil can be utilized within the construction limits as fill, when suitable, or managed and disposed of off-site as "uncontaminated soil" at a CCDD facility or an USFO within an MSA County excluding Chicago or within

the Chicago corporate limits provided the pH of the soil is within the range of 6.25 - 9.0, inclusive.

(4) When analytical results indicate chemical constituents exceed the most stringent MAC but do not exceed the MAC for an MSA County excluding Chicago, the excavated soil can be utilized within the construction limits as fill, when suitable, or managed and disposed of off-site as "uncontaminated soil" at a CCDD facility or an USFO within an MSA County excluding Chicago provided the pH of the soil is within the range of 6.25 - 9.0, inclusive.

(5) When the Engineer determines soil cannot be managed according to Articles 669.05(a)(1) through (a)(4) above, the soil shall be managed and disposed of off-site as a non-special waste, special waste, or hazardous waste as applicable.

(b) Soil Analytical Results Do Not Exceed Most Stringent MAC. When the soil analytical results indicate that detected levels do not exceed the most stringent MAC, the excavated soil can be utilized within the construction limits or managed and disposed off-site as "uncontaminated soil" according to Article 202.03. However, the excavated soil cannot be taken to a CCDD facility or an USFO for any of the following reasons.

(1) The pH of the soil is less than 6.25 or greater than 9.0.

(2) The soil exhibited PID or FID readings in excess of background levels.

(c) Soil Analytical Results Exceed Most Stringent MAC but Do Not Exceed Tiered Approach to Corrective Action Objectives (TACO) Residential. When the soil analytical results indicate that detected levels exceed the most stringent MAC but do not exceed TACO Tier 1 Soil Remediation Objectives for Residential Properties pursuant to 35 IAC 742 Appendix B Table A, the excavated soil can be utilized within the right-of-way or managed and disposed off-site as "uncontaminated soil" according to Article 202.03. However, the excavated soil cannot be taken to a CCDD facility or an USFO.

(d) Groundwater. When groundwater analytical results indicate the detected levels are above Appendix B, Table E of 35 Illinois Administrative Code 742, the most stringent Tier 1 Groundwater Remediation Objectives for Groundwater Component of the Groundwater Ingestion Route for Class 1 groundwater, the groundwater shall be managed off-site as a special waste. The groundwater shall be containerized and trucked to an off-site treatment facility or may be discharged to a sanitary sewer or combined sewer when permitted by the local sewer authority. Groundwater discharged to a sewer shall be pre-treated to remove particulates and measured with a calibrated flow meter to comply with applicable discharge limits. A copy of the permit shall be provided to the Engineer prior to discharging groundwater to the sewer.

All groundwater encountered within trenches may be managed within the trench and allowed to infiltrate back into the ground. If the groundwater cannot be managed within the trench it must be removed as a special or hazardous waste. The Contractor is

prohibited from managing groundwater within the trench by discharging it through any existing or new storm sewer. The Contractor shall install backfill plugs within the area of groundwater contamination.

One backfill plug shall be placed down gradient to the area of groundwater contamination. Backfill plugs shall be installed at intervals not to exceed 50 ft (15 m). Backfill plugs are to be 4 ft (1.2 m) long, measured parallel to the trench, full trench width and depth. Backfill plugs shall not have any fine aggregate bedding or backfill, but shall be entirely cohesive soil or any class of concrete. The Contractor shall provide test data that the material has a permeability of less than 10^{-7} cm/sec according to ASTM D 5084, Method A or per another test method approved by the Engineer.

The Contractor shall use due care when transferring contaminated material from the area of origin to the transporter. Should releases of contaminated material to the environment occur (i.e., spillage onto the ground, etc.), the Contractor shall clean-up spilled material and place in the appropriate storage containers as previously specified. Clean-up shall include, but not be limited to, sampling beneath the material staging area to determine complete removal of the spilled material.

The Contractor shall be responsible for transporting and disposing all material classified as a non-special waste, special waste, or hazardous waste from the job site to an appropriately permitted landfill facility. The transporter and the vehicles used for transportation shall comply with all federal, state, and local rules and regulations governing the transportation of non-special waste, special waste, or hazardous waste.

All equipment used by the Contractor to haul contaminated material to the landfill facility shall be lined with a 6 mil (150 micron) polyethylene liner and securely covered during transportation. The Contractor shall obtain all documentation including any permits and/or licenses required to transport the contaminated material to the disposal facility.

The Contractor shall provide engineered barriers, when required, and shall include materials sufficient to completely line excavation surfaces, including sloped surfaces, bottoms, and sidewall faces, within the areas designated for protection.

The Engineer shall coordinate with the Contractor on the completion of all documentation. The Contractor shall make all arrangements for collection and analysis of landfill acceptance testing. The Contractor shall coordinate for waste disposal approval with the disposal facility. After the Contractor completes these activities and upon receipt of authorization from the Engineer, the Contractor shall initiate the disposal process.

The Contractor shall provide the Engineer with all transport-related documentation within two days of transport or receipt of said document(s). The Engineer shall maintain the file for all such documentation. For management of special or hazardous waste, the Contractor shall provide the Engineer with documentation the Contractor (or subcontractor, if a subcontractor is used for transportation) is operating with a valid Illinois special waste transporter permit at least two weeks before transporting the first load of contaminated material.

The Contractor shall schedule and arrange the transport and disposal of each load of contaminated material produced. The Contractor shall make all transport and disposal arrangements so no contaminated material remains within the project area at the close of business each day. Exceptions to this specification require prior approval from the Engineer within 24 hours of close of business. The Contractor shall be responsible for all other pre-disposal/transport preparations necessary daily to accomplish management activities.

Any waste generated as a special or hazardous waste from a non-fixed facility shall be manifested off-site using the Department's county generator number. An authorized representative of the Department shall sign all manifests for the disposal of the contaminated material and confirm the Contractor's transported volume. Any waste generated as a non-special waste may be managed off-site without a manifest, a special waste transporter, or a generator number.

The Contractor shall select a landfill mandated by definition of the contaminant within the State of Illinois. The Department will review and approve or reject the facility proposed by the Contractor to use as a landfill. The Contractor shall verify whether the selected disposal facility is compliant with those applicable standards as mandated by definition of the contaminant and whether the disposal facility is presently, has previously been, or has never been, on the United States Environmental Protection Agency (U.S. EPA) National Priorities List or the Resource Conservation and Recovery Act (RCRA) List of Violating Facilities. The Contractor shall be responsible for coordinating permits with the IEPA. The use of a Contractor selected landfill shall in no manner delay the construction schedule or alter the Contractor's responsibilities as set forth.

669.06 Non-Special Waste Certification. An authorized representative of the Department shall sign and date all non-special waste certifications. The Contractor shall be responsible for providing the Engineer with the required information that will allow the Engineer to certify the waste is not a special waste.

(a) Definition. A waste is considered a non-special waste as long as it is not:

(1) a potentially infectious medical waste;

(2) a hazardous waste as defined in 35 IAC 721;

(3) an industrial process waste or pollution control waste that contains liquids, as determined using the paint filter test set forth in subdivision (3)(A) of subsection (m) of 35 IAC 811.107;

(4) a regulated asbestos-containing waste material, as defined under the National Emission Standards for Hazardous Air Pollutants in 40 CFR 61.141;

(5) a material containing polychlorinated biphenyls (PCB's) regulated pursuant to 40 CFR Part 761;

(6) a material subject to the waste analysis and recordkeeping requirements of 35 IAC 728.107 under land disposal restrictions of 35 IAC 728;

(7) a waste material generated by processing recyclable metals by shredding and required to be managed as a special waste under Section 22.29 of the Environmental Protection Act; or

(8) an empty portable device or container in which a special or hazardous waste has been stored, transported, treated, disposed of, or otherwise handled.

(b) Certification Information. All information used to determine the waste is not a special waste shall be attached to the certification. The information shall include but not be limited to:

(1) the means by which the generator has determined the waste is not a hazardous waste;

(2) the means by which the generator has determined the waste is not a liquid;

(3) if the waste undergoes testing, the analytic results obtained from testing, signed and dated by the person responsible for completing the analysis;

(4) if the waste does not undergo testing, an explanation as to why no testing is needed;

(5) a description of the process generating the waste; and

(6) relevant material safety data sheets.

669.07 Temporary Staging. The Contractor shall excavate and dispose of all waste material as mandated by the contaminants without temporary staging. If circumstances require temporary staging, he/she shall request in writing, approval from the Engineer.

When approved, the Contractor shall prepare a secure location within the project area capable of housing containerized waste materials. The Contractor shall contain all waste material in leak-proof storage containers such as lined roll-off boxes or 55 gal (208 L) drums, or stored in bulk fashion on storage pads. The design and construction of such storage pad(s) for bulk materials shall be subject to approval by the Engineer. The Contractor shall place the staged storage containers on an all-weather gravel-packed, asphalt, or concrete surface. The Contractor shall maintain a clearance both above and beside the storage units to provide maneuverability during loading and unloading. The Contractor shall provide any assistance or equipment requested by the Engineer for authorized personnel to inspect and/or sample contents of each storage container. All containers and their contents shall remain intact and undisturbed by unauthorized persons until the manner of disposal is determined. The Contractor shall keep the storage containers covered, except when access is requested by authorized personnel of the Department. The Engineer shall authorize any additional material added to the contents of any storage container before being filled.

The Contractor shall ensure the staging area is enclosed (by a fence or other structure) to ensure direct access to the area is restricted, and he/she shall procure and place all required regulatory identification signs applicable to an area containing the waste material. The Contractor shall be responsible for all activities associated with the storage containers including, but not limited to, the procurement, transport, and labeling of the containers. The Contractor shall clearly mark all containers in permanent marker or paint with the date of waste generation, location and/or area of waste generation, and type of waste (e.g., decontamination water, contaminated clothing, etc.). The Contractor shall place these identifying markings on an exterior side surface of the container. The Contractor shall separately containerize each contaminated medium, i.e. contaminated clothing is placed in a separate container from decontamination water. Containers used to store liquids shall not be filled in excess of 80 percent of the rated capacity. The Contractor shall not use a storage container if visual inspection of the container reveals the presence of free liquids or other substances that could classify the material as a hazardous waste in the container.

The Department will not be responsible for any additional costs incurred, if mismanagement of the staging area, storage containers, or their contents by the Contractor results in excess cost expenditure for disposal or other material management requirements.

669.08 Underground Storage Tank Removal. For the purposes of this section, an underground storage tank (UST) includes the underground storage tank, piping, electrical controls, pump island, vent pipes and appurtenances.

Prior to removing an UST, the Engineer shall determine whether the Department is considered an "owner" or "operator" of the UST as defined by the UST regulations (41 Ill. Adm. Code Part 176). Ownership of the UST refers to the Department's owning title to the UST during storage, use or dispensing of regulated substances. The Department may be considered an "operator" of the UST if it has control of, or has responsibility for, the daily operation of the UST. The Department may however voluntarily undertake actions to remove an UST from the ground without being deemed an "operator" of the UST.

In the event the Department is deemed not to be the "owner" or "operator" of the UST, the OSFM removal permit shall reflect who was the past "owner" or "operator" of the UST. If the "owner" or "operator" cannot be determined from past UST registration documents from OSFM, then the OSFM removal permit will state the "owner" or "operator" of the UST is the Department. The Department's Office of Chief Counsel (OCC) will review all UST removal permits prior to submitting any removal permit to the OSFM. If the Department is not the "owner" or "operator" of the UST then it will not register the UST or pay any registration fee.

The Contractor shall be responsible for obtaining all permits required for removing the UST, notification to the OSFM, using an OSFM certified tank contractor, removal and disposal of the UST and its contents, and preparation and submittal of the OSFM Site Assessment Report in accordance with 41 Ill. Adm. Code Part 176.330.

The Contractor shall contact the Engineer and the OSFM's office at least 72 hours prior to removal to confirm the OSFM inspector's presence during the UST removal. Removal, transport,

and disposal of the UST shall be according to the applicable portions of the latest revision of the "American Petroleum Institute (API) Recommended Practice 1604".

The Contractor shall collect and analyze tank content (sludge) for disposal purposes. The Contractor shall remove as much of the regulated substance from the UST system as necessary to prevent further release into the environment. All contents within the tank shall be removed, transported and disposed of, or recycled. The tank shall be removed and rendered empty according to IEPA definition.

The Contractor shall collect soil samples from the bottom and sidewalls of the excavated area in accordance with 35 Ill. Adm. Code Part 734.210(h) after the required backfill has been removed during the initial response action, to determine the level of contamination remaining in the ground, regardless if a release is confirmed or not by the OSFM on-site inspector.

In the event the UST is designated a leaking underground storage tank (LUST) by the OSFM's inspector, or confirmation by analytical results, the Contractor shall notify the Engineer and the DESU. Upon confirmation of a release of contaminants from the UST and notifications to the Engineer and DESU, the Contractor shall report the release to the Illinois Emergency Management Agency (IEMA) (e.g., by telephone or electronic mail) and provide them with whatever information is available ("owner" or "operator" shall be stated as the past registered "owner" or "operator", or the IDOT District in which the UST is located and the DESU Manager);

The Contractor shall perform the following initial response actions if a release is indicated by the OSFM inspector:

(a) Take immediate action to prevent any further release of the regulated substance to the environment, which may include removing, at the Engineer's discretion, and disposing of up to 4 ft (1.2 m) of the contaminated material, as measured from the outside dimension of the tank

(b) Identify and mitigate fire, explosion and vapor hazards;

(c) Visually inspect any above ground releases or exposed below ground releases and prevent further migration of the released substance into surrounding soils and groundwater; and

(d) Continue to monitor and mitigate any additional fire and safety hazards posed by vapors and free product that have migrated from the UST excavation zone and entered into subsurface structures (such as sewers or basements).

The UST excavation shall be backfilled according to applicable portions of Sections 205, 208, and 550 with a material that will compact and develop stability. The material shall be approved prior to placement. All uncontaminated concrete and soil removed during tank extraction may be used to backfill the excavation, at the discretion of the Engineer.

After backfilling the excavation, the site shall be graded and cleaned.

669.09 Regulated Substance Final Construction Report. Not later than 90 days after completing this work, the Contractor shall submit a Regulated Substance Final Construction Report (RSFCR) to the Engineer using form BDE 2733 and required attachments. The form shall be signed by an Illinois licensed Professional Engineer or Professional Geologist.

669.10 Method of Measurement. Non-special waste, special waste, and hazardous waste soil will be measured for payment according to Article 202.07(b) when performing earth excavation, Article 502.12(b) when excavating for structures, or by computing the volume of the ~~trench using the maximum trench width permitted and the actual depth of the trench.~~

Groundwater containerized and transported off-site for management, storage, and disposal will be measured for payment in gallons (liters).

Backfill plugs will be measured in cubic yards (cubic meters) in place, except the quantity for which payment will be made shall not exceed the volume of the trench, as computed by using the maximum width of trench permitted by the Specifications and the actual depth of the trench, with a deduction for the volume of the pipe.

Engineered Barriers will be measured for payment in square yards (square meters).

669.11 Basis of Payment. The work of preparing, submitting and administering a Regulated Substances Pre-Construction Plan will be paid for at the contract lump sum price for REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN.

On-site monitoring of regulated substances, including completion of form BDE 2732 for each day of work, will be paid for at the contract unit price per calendar day, or faction thereof, for ON-SITE MONITORING OF REGULATED SUBSTANCES.

The installation of engineered barriers will be paid for at the contract unit price per square yard (square meter) for ENGINEERED BARRIER.

The work of removing a UST, soil excavation, soil and content sampling, and the excavated soil, UST content, and UST disposal will be paid for at the contract unit price per each for UNDERGROUND STORAGE TANK REMOVAL.

The transportation and disposal of soil and other materials from an excavation determined to be contaminated will be paid for at the contract unit price per cubic yard (cubic meter) for NON-SPECIAL WASTE DISPOSAL, SPECIAL WASTE DISPOSAL, or HAZARDOUS WASTE DISPOSAL.

The transportation and disposal of groundwater from an excavation determined to be contaminated will be paid for at the contract unit price per gallon (liter) for SPECIAL WASTE GROUNDWATER DISPOSAL or HAZARDOUS WASTE GROUNDWATER DISPOSAL. When groundwater is discharged to a sanitary or combined sewer by permit, the cost will be paid for according to Article 109.05.

Backfill plugs will be paid for at the contract unit price per cubic yard (cubic meter) for BACKFILL PLUGS.

Payment for temporary staging, if required, will be paid for according to Article 109.04.

Payment for accumulated stormwater removal and disposal will be according to Article 109.04. Payment will only be allowed if appropriate stormwater and erosion control methods were used.

Payment for decontamination, labor, material, and equipment for monitoring areas beyond the specified areas, with the Engineer's prior written approval, will be according to Article 109.04.

The sampling and testing associated with this work will be paid for as follows.

(a) BETX Soil/Groundwater Analysis. When the contaminants of concern are gasoline only, soil or groundwater samples shall be analyzed for benzene, ethylbenzene, toluene, and xylenes (BETX). The analysis will be paid for at the contract unit price per each for BETX SOIL ANALYSIS and/or BETX GROUNDWATER ANALYSIS using EPA Method 8021B.

(b) BETX-PNAS Soil/Groundwater Analysis. When the contaminants of concern are middle distillate and heavy ends, soil or groundwater samples shall be analyzed for BETX and polynuclear aromatics (PNAS). The analysis will be paid for at the contract unit price per each for BETX-PNAS SOIL ANALYSIS and/or BETX-PNAS GROUNDWATER ANALYSIS using EPA Method 8021B for BETX and EPA Method 8310 for PNAs.

(c) Priority Pollutants Soil Analysis. When the contaminants of concern are used oils, soil samples shall be analyzed for priority pollutant VOCs, priority pollutants SVOCs, and priority pollutants metals. The analysis will be paid for at the contract unit price per each for PRIORITY POLLUTANTS SOIL ANALYSIS using EPA Method 8260B for VOCs, EPA Method 8270C for SVOCs, and using an ICP instrument and EPA Methods 6010B and 7471A for metals.

(d) Priority Pollutant Groundwater Analysis. When the contaminants of concern are used oils, non-petroleum material, or unknowns, groundwater samples shall be analyzed for priority pollutant VOCs, priority pollutants SVOCs, and priority pollutants metals. The analysis will be paid for at the contract unit price per each for PRIORITY POLLUTANTS GROUNDWATER ANALYSIS using EPA Method 8260B for VOCs, EPA Method 8270C for SVOCs, and EPA Methods 6010B and 7470A for metals.

(e) Target Compound List (TCL) Soil Analysis. When the contaminants of concern are unknowns or non-petroleum material, soil samples shall be analyzed for priority pollutant VOCs, priority pollutants SVOCS, priority pollutants metals, pesticides, and Resource Conservation and Recovery Act (RCRA) metals by the toxicity characteristic leaching procedure (TCLP). The analysis will be paid for at the contract unit price per each for TCL SOIL ANALYSIS using EPA Method 8260B for VOCs, EPA Method 8270C for SVOCs,

EPA Method 8081 for pesticides, and ICP instrument and EPA Methods 6010B, 7471A, 1311 (extraction), 6010B, and 7470A for metals.

(f) Soil Disposal Analysis. When the waste material for disposal requires sampling for disposal acceptance, the samples shall be analyzed for TCLP VOCs, SVOCs, RCRA metals, pH, ignitability, and paint filter test. The analysis will be paid for at the contract unit price per each for SOIL DISPOSAL ANALYSIS using EPA Methods 1311 (extraction), 8260B for VOCs, 8270C for SVOCs, 6010B and 7470A for RCRA metals, 9045C for pH, 1030 for ignitability, and 9095A for paint filter.

The work of preparing, submitting and administering a Regulated Substances Final Construction Report will be paid for at the contract lump sum price REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT."

80407

SUBCONTRACTOR MOBILIZATION PAYMENTS (BDE)

Effective: November 2, 2017

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

"This mobilization payment shall be made at least 14 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/Lake	N/A

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.

2019 Street Improvement Project

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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 Street 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 not 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. JULIE Notification

The Contractor shall call the Joint Utility Locating Information for Excavators (JULIE) (1-800-892-0123 or 811), a minimum of forty-eight (48) hours in advance of work being done in the area in accordance with Article 107.39 of the Standard Specifications.

For utilities which are not members, excluding homeowners, the Contractor shall contact the owners directly. The Contractor will be required to cooperate with all utility companies and municipal agencies involved in connection with the removal, temporary relocation, reconstruction or abandonment by these agencies of any and all services.

No additional compensation will be allowed the Contractor for any expense incurred by complying with these requirements, or because of delays, inconvenience or interruptions in his work resulting from the failure of the municipal agencies or utility company to remove, relocate, reconstruct or abandon their services.

4. Prequalification of Bidders

Bidders shall be prequalified with the Illinois Department of Transportation in accordance with Article 102.01 of the Standard Specifications and is required by all bidders.

All bidders are required to fully register with the Village of Buffalo Grove, including IRS Form W-9, at:

https://vrapp.vendorregistry.com/Vendor/Register/Index/buffalo-grove-village-of-il-vendor-registration

OR

www.vbg.org/bids
Select the link 'Register My Business'

Please contact Vendor Registry at (844) 802-9202 for assistance in the registration process.

The Village of Buffalo Grove reserves the right to reject any or all proposals if the bidder does not comply with the requirements as stated herein.

5. Completion Date

The Contractor shall commence the work to be performed under this contract, 10 days following the execution of the contract. The work shall be prosecuted in such a manner and with such a supply of materials, equipment and labor as considered necessary to ensure its completion according to the time specified in the contract. The Contractor shall complete all work in the contract by **Friday, June 28, 2019**, including landscape restoration, as defined in Article 108.04 of the Standard Specifications.

The proposed improvements within the Fremont Way subdivision shall commence on or after Tuesday, May 28, 2019, and be completed within fifteen (15) working days from commencement.

Following substantial completion, the Contractor shall provide the Engineer written notice in accordance with Article 105.13 of the Standard Specifications. The Contractor will have fourteen (14) calendar days to correct any deficiencies following the scheduled final inspection and punch list submittal by the Engineer.

In case of failure to complete the work on time and/or the deficient punch list items, the provisions of Article 108.09 of the Standard Specifications shall apply, **except regardless of the Contract amount, the daily charge shall be $2,000 per calendar day overrun.** Landscape restoration planting times shall follow Article 250.07 of the Standard Specifications.

The estimated Village Board award date for this project is Monday, March 18, 2019 with an anticipated commencement date of Monday, April 15, 2019.

6. Existing Hardscape

Any damage to existing hardscape from tracked equipment or due to the Contractor's negligence, workmanship, or neglect shall be replaced at the Contractor's 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. The Engineer and Village shall determine the limit of removal and replacement operations, and all work shall be completed to the satisfaction of the Engineer.

7. Construction Work Periods

Construction operations shall be completed in accordance with Article 107.09 of the Standard Specifications. All work shall be confined to the period beginning at 7:00 AM and ending at 6:00 PM on weekdays. No work shall be done on Sundays or legal holiday periods as defined in article 107.09 of the Standard Specifications.

No work shall be permitted on Saturday's unless prior written approval is granted by the Village. All requests to work on a Saturday shall be submitted by 4:00 PM, the Wednesday prior to the date requested. If work is allowed it shall be confined to the period beginning at 8:30 AM to 6:00 PM. The completion date shall be reduced by one (1) full calendar day for each Saturday the Contractor elects to work, regardless if the Saturday worked is a full or partial working day.

Any work outside the allowed time periods in accordance with the Village Ordinance, including but not limited to material deliveries, mobilization of equipment, warming up machinery, or truck staging, shall be imposed a $1,000 monetary penalty for each occurrence.

8. Sub-Contracting

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."

9. 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.

10. Pre-Construction Meeting

Prior to commencing any construction operations, there shall be a pre-construction meeting. The Village or Engineer will set the time and date of the meeting following Contract award.

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

~~A Progress Schedule in accordance with Article 108.02.~~

The 24-hour emergency phone number and contact information of the assigned Contractor's superintendent, or otherwise.

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

A list of subcontractors with contact information, including but not limited to name, phone number, and email address, and include quantity and type of work to be sublet for each respective subcontractor in accordance with Article 108.01 of the Standard Specifications.

A list of proposed sources of material.

Hot-mix asphalt and concrete mix designs, and respective quality control plans.*

Any applicable shop drawing submittals.*

*Shop drawings 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 monetary penalty of $500 may be imposed for each required submittal thereafter.

11. 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 be required to control dust or air-borne dirt resulting from construction operations by utilizing a mechanical street sweeper on all pavement within or adjacent to the project work zone. The resulting debris shall be disposed of off-site in accordance with Article 202.03 of the Standard Specifications. Individual fire hydrant use shall not be permitted to control dust at specific locations. The Contractor shall provide dust control operations daily or as directed by the Engineer.

The cost of this work shall be included in the unit prices bid and no additional compensation shall be allowed to control dust as specified herein.

No excavations shall 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. Many of the homes in the Village have lower garages and are susceptible to damage when streets flood. The Contractor shall be held liable for any damage to private structures if it is determined that the damage was due to the Contractor's neglect as specified herein. 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. Any Village expense occurred in labor or materials responding to these calls will be back charged to the Contractor and deducted from 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 sediment-laden water or construction debris into the storm sewer system or waterways will not be permitted and subjected to a monetary penalty as noted in the monetary penalties general condition. In addition, the Contractor will be responsible for cleaning all storm sewer systems and waterways to their preconstruction condition to the satisfaction of the Engineer. In the event of an illicit discharge, regardless of blame, the Contractor shall concentrate their work efforts on remedying the situation to correct the deficiency.

The work zone shall be maintained in accordance with Section 701 of the Standard Specifications. Negligence by the Contractor to follow these minimum guidelines that result in or cause 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.

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.

12. Period of Establishment

This work shall include all labor, material, and equipment necessary to furnish and install pulverized topsoil, seed, fertilizer nutrients and Mulch Method 3A in accordance with Sections 211, 250, 251, and 252 of the Standard Specifications and as specified herein.

Pulverized topsoil shall be placed to a maximum depth of four (4) inches and not be placed until the area has been shaped, trimmed, and finished to the lines and grades as directed by the Engineer. All irregularities, depressions, or high points in the surface shall be filled or smoothed out before topsoil is placed. The surface of the topsoil shall be blended to match the existing terrain and adjacent roadway, and be free from clods, stones, sticks, and debris.

The Contractor shall furnish and place the IDOT class of seed specified, and be produced and tested in the current year, be of good quality, and free of weeds. Fertilizer nutrients shall be applied at a 1:1 ratio in accordance with Article 250.04 of the Standard Specifications. Within 24 hours of seed placement, mulch shall be placed by method 3A in accordance with Article 251.03(d) of the Standard Specifications.

It is recommended that the Contractor shall water the area every other day at a rate of three (3) gallons per square yard, however, it is the sole and exclusive responsibility of the Contractor to make required adjustments to the watering rate or schedule.

To be acceptable for final payment, the landscaped areas shall 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 30-day period of establishment, the Village or Engineer will inspect the landscaped area and if deemed unsatisfactory, the Contractor shall be required to provide means and methods necessary to establish a live, healthy turf area. Should the seed not germinate because of prevailing cool weather, the period of establishment may be adjusted as determined by the Engineer. It shall be the sole and exclusive responsibility of the Contractor, not the Engineer, for maintaining and monitoring the landscape restoration during the period of establishment. If the placed landscape restoration has not been approved by the Village or Engineer sixty (60) calendar days following installation, the Contractor will incur a monetary penalty of $250 per calendar day.

Planting times shall be April 1 to June 15 and August 1 to November 1.

The Contractor shall provide the Engineer with proper documentation on the landscaping materials supplied to the project such as topsoil source, topsoil certification, fertilizer bags, seed tags, and seed bags.

Upon placement of topsoil, seed, fertilizer nutrients, and mulch, 75 percent of each respective pay item will be paid. Upon final acceptance of the topsoil, seed, fertilizer nutrients, and mulch placed, the remaining 25 percent of each respective pay item will be paid.

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

13. Protection of Mailboxes

The Contractor shall take all necessary precautions when working near mailboxes within or adjacent to the project limits. If at the Contractors discretion, a mailbox will interfere with construction operations, a temporary mailbox shall be located per the United States Postal Service requirements and the permanent mailbox reinstalled following said operation. At no time shall a resident be without a mailbox or not receive mail due to a mailbox being removed, replaced or damaged. The Contractor shall replace, at no additional cost to the Village, any mailbox or post which has been damaged by the Contractor's operations due to neglect, misconduct or poor workmanship. The cost of all materials required and all labor necessary to comply with the above Provisions will not be paid for separately, but shall be considered as included in the unit bid prices of the contract, and no additional compensation will be allowed.

The Contractor shall refer to the mailbox installation detail included in appendix A for installation requirements.

The Contractor must maintain access for both residents and mail carriers to all mailboxes throughout the duration of the project.

14. Construction Staging and Maintenance of Base Course

All pavement removal, curb installation, and hot-mix asphalt binder installation shall be completed in accordance with Section(s) 202, 406, 423, 440, and 606 of the Standard Specifications and as specified herein.

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

No pavement removal operations shall commence if rain is in the forecast within the following five working days. If the Contractor does not follow this requirement, any disking, drying or undercut operations required by the Engineer to provide a sufficient subbase prior to paving shall be completed by the Contractor at no additional cost to the Village.

Roadways excavated to subgrade and/or subbase material shall have the hot-mix asphalt binder course installed within seven (7) calendar days from the first day of pavement removal on that respective street segment.

There shall be no placement of hot-mix asphalt permitted on scheduled days of refuse pickup. The Contractor shall be responsible for determining the current refuse schedule and incorporating it into their progress schedule accordingly.

No resident shall be without driveway access and no sidewalk shall be barricaded or closed for more than seven (7) calendar days unless specifically listed otherwise in the plans or herein.

Prior to driveway access impediment due to proposed curb and gutter or driveway pavement operations, the Contractor shall be required to deliver resident notification letters approved by the Engineer to each respective residence or business owner notifying them of the day and time they will not be able to get in and out of their driveway. After the new concrete curb has set, the Contractor shall install all required forms for installation of the driveway pavement for inspection by the Engineer. The Contractor is required to install curb and driveway pavement 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, at the discretion of the Engineer, the driveway requires that the old aggregate base course be removed and replaced, it shall be completed prior to pouring 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. Proposed portland cement concrete sidewalk shall follow the same timeframe as noted above.

If the Contractor does not install proposed concrete curb and driveway in the time frame specified herein, a monetary penalty of $250 per calendar day will be imposed for each day, and each occurrence the work is not completed.

The Contractor will be required to furnish and install a temporary ramp immediately following pavement removal operations. Each ramp shall be installed the full driveway width of material determined by the Contractor. Each temporary ramp shall be removed prior to paving

operations, the respreading of stone on the base or paving over hot-mix asphalt ramps will not be allowed. If the Contractor fails to install or maintain a temporary ramp in a timely manner, a monetary penalty of $250 per calendar day will be imposed.

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 Village. The Contractor will incur a monetary penalty of $500 per occurrence as determined by the Engineer for violation of this requirement.

15. Use of Fire Hydrants

The indiscriminate use of fire hydrants is strictly prohibited. The Contractor can obtain non-potable water in bulk at no charge at the Buffalo Grove Public Works Department, 51 Raupp Blvd. The Contractor shall provide a water truck or containment and driver to obtain and transport the water. All water obtained from the Village shall be used for this project only. If deemed necessary, the Village reserves the right to restrict or refuse the use of Village water. The Contractor will be responsible for executing the required paperwork and follow all requirements of the Village. If it is determined that the Contractor or its subcontractors operate or use a Village fire hydrant, a monetary penalty of $1,000 per occurrence that will be imposed.

16. Tree Protection and Preservation

This work shall consist of pruning existing trees, shrubs, or bushes in accordance with Section 201 of the Standard Specifications, except as modified herein.

Breaking off branches of plant material to remain during clearing or construction operations will not be allowed. Preceding any existing tree pruning or trimming operations, the Contractor shall demonstrate that there is no other practical method to complete the work and request permission from the Engineer. All pruning shall be done according to the current ANSI A300 (Part 1) – Pruning Standard.

All branches and foliage pruned or trimmed shall be disposed of off-site in accordance with Article 202.03 of the Standard Specifications.

All existing trees larger than 6" in diameter and not specifically designated for removal, which are removed or damaged due to the Contractor's neglect, shall be inspected by the Village Forester or his designated representative. For each infraction that causes damage to a tree, a monetary penalty of $1,000 may be imposed and the replacement of the damaged tree required, depending on the extent of injury caused to each tree. No replacement tree shall have a diameter of less than 3" or more than 6", unless authorized by the Village of Buffalo Grove. All new plantings shall be completed in accordance with Section 253 of the Standard Specifications.

17. Clean Construction and Demolition Debris (CCDD) Material Disposal

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 Owner 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 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 of 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 disposal shall be included into the appropriate unit bid prices for the work.

18. 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 Gewalt Hamilton Associates, 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 including all endorsements or certificates 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.

Nothing contained herein is intended to constitute, nor shall it constitute a waiver of the rights, defenses and/or other immunities provided or available to the Village under law including, but not limited to, the Local Governmental and Governmental Employees Tort Immunity Act.

19. Certified Payroll Reports

The Village of Buffalo Grove requests that the Contractor submit all certified payroll reports, including subcontractors, 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 in accordance with the Illinois Department of Labor's (IDOL) 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 in accordance with the Contract Documents 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 and all subcontractors aware of the following deficiency and deductions:

Description	Penalty	Per Occurrence
Failure to Sweep Roadway	$250	Calendar Day
Failure to Maintain Trench	$250	Calendar Day
Failure to Adhere to Period of Establishment Requirements	$250	Calendar Day
Distributing Unapproved Resident Notices	$100	Household
Failure to Distribute Notices in a Timely Manner	$100	Household
Failure to Distribute Notice to Resident	$100	Household
Failure to Provide Access in a Timely Manner	$250	Household Per Day
Failure to Provide Weekly Update to Engineer/Maintain Schedule	$1,000	Per Occurrence
Failure to Attend a Scheduled Weekly Meeting	$1,000	Per Occurrence
Failure to Respond in a Timely Manner to a Resident	$250	Calendar Day
Failure to Ramp Roadway or Driveway	$250	Household/Roadway Per Day
Use of Fire Hydrant 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 Work Hours	$1,000	Per Occurrence

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

21. Weekly Progress Meeting and Schedule Updates

The Contractor will be required to provide weekly schedule updates with the anticipated schedule for the following week by 3:00PM every Thursday starting ten (10) calendar days after contract execution and continuing until the project is formally accepted by the Village. The Contractor will be required to submit an initial weekly schedule update with the anticipated schedule the Thursday prior to construction commencement; if the Contractor fails to submit this initial notice, no work shall be permitted to begin. The weekly progress update shall be emailed to the Resident Engineer and Village project representative. The Contractor shall make every effort to maintain the schedule within one (1) calendar day of delay, excluding weather or unforeseen circumstances. Failure to maintain the schedule may result in a monetary penalty of $1,000 per calendar day if it is determined that substantial effort to maintain the schedule is not made.

If, at the discretion of the Village or Engineer, a mandatory weekly progress meeting may be scheduled to coordinate anticipated work. This meeting will be held on Thursday following receipt of the weekly progress update. If the Contractor fails to attend a mandatory weekly meeting requested by the Village or Engineer a monetary penalty of $1,000 per occurrence will be imposed.

22. Public Notification

The Contractor shall be required to provide and distribute letters to residents or business owners anytime access will be affected to a home or utility service is interrupted. Letters shall be typed on standard 8.5" x 11" paper and 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's person in charge.

Letters shall be taped to a non-painted surface using painters tape or approved equal, and will be placed in as many locations as needed to ensure they will be visible to residents. Distributing letters via mailbox is discouraged, however, must be compliant with all United States Postal Service federal regulations. Notification letters shall include, but is not limited to, the following information:

- Exact day and time work is to begin that will affect access (weather permitting).
- 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).
- Specific location where parking is permitted, both overnight and during the working day (as signed and normally permitted during daytime).
- The Village of Buffalo Grove Police Department has been notified that overnight parking will be permitted. (It shall be the responsibility of the Contractor to confirm this with the Village.)
- The Contractor will go door-to-door the moment prior to work is to begin to ensure all accommodations are made.
- General Contractor's person in charge name and contact information for additional information or specific requests.
- If applicable, provide 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).

Notification letters shall be distributed a minimum of 24 hours prior to access being affected or otherwise. If this requirements is not met, work shall not commence. **All letters must be approved by the Village or Engineer prior to and for each individual distribution**. Additional letters may be required when weather or other unforeseen circumstances change the schedule. When requested, the Contractor is required to return or provide correspondence from a resident within 24 hours.

Under special circumstances, the Village, may choose to write a notification letter and the Contractor shall still be responsible for delivering the letter as specified herein. An example of a resident notification letter can be found in Appendix A.

The Contractor must comply with all of the above-mentioned statements otherwise a monetary penalty of $100 per household, per calendar day shall be imposed.

23. 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.

24. Saw Cutting

The Contractor shall be required to perform a perpendicularly straight joint by full-depth machine sawing of all proposed items to be removed prior to removal operations to prevent damage or spalling to existing hardscape to remain. Simple or partial depth scoring shall not be permitted. Saw cut locations may or may not be shown on the plans, however, shall be required in the field. All sawcut slurry, regardless of the amount, shall be promptly removed to prevent tracking. Any slurry tracked or left on surfaces to remain shall be thoroughly cleaned or replaced, at the direction of the Village or Engineer, by the Contractor at no additional cost to the Village.

The Contractor shall replace, at no additional cost to the Village, any hardscape, outside of the limit of improvements, damaged by the Contractor's operations due to neglect, misconduct, or poor workmanship.

25. Water and Sewer Services

The Village of Buffalo Grove will not locate private water and sewer service lines as part of the JULIE notification system. 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. The Contractor may elect to locate any and all utilities marked or unmarked, at their expense. 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 shall 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 completed with material equal to, including size, of the existing service. Connections of dissimilar materials shall be made with stainless steel non-shear mission couplings or appropriate flare couplings for water services. All fittings for copper water 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 on-site to make repairs as required. Repair of service lines in this manner shall only be performed on lines that will be abandoned as part of this project, if applicable.

The Contractor shall refer to the Village of Buffalo Grove Materials List in Appendix A for all material requirements. This work shall not be paid for separately and no additional cost incurred will be the responsibility of the Village.

26. Earth Excavation

All earth excavation required to complete this project to the proposed lines, grades, and cross sections shall be in accordance with Section 202 of the Standard Specifications. Earth excavation will not be paid for separately but shall be included in the cost of the item requiring the excavation. All surplus excavated material shall be disposed of off-site in accordance with Article 202.03 of the Standard Specifications.

27. Retainage and Waivers

The Village of Buffalo Grove has the option to retain from the amount due to the Contractor a maximum of (ten) 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 and shall be considered 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 shall begin.

The Contractor shall submit, for each pay request submittal, original partial or final 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. When 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.

28. Final Site Inspection

After the Contractor has submitted the notice of final completion to the Village, the Contractor shall schedule a final site inspection with the Engineer. At this time, the Contractor shall open all structures within the project limits, whether new or old, in the presence of the Engineer.

Upon completion of the final site inspection, the Engineer will provide the Contractor a list of any deficiencies documented. The Contractor will have fourteen (14) calendar days to correct any deficiencies following the scheduled final inspection and punch list submittal by the Engineer.

29. Permits and Licenses

The Contractor shall procure all permits and licenses, pay all charges and fees, and give all notices necessary and incident to the due and lawful prosecution of the work in accordance with Article 107.04 of the Standard Specifications. No work shall be performed until all applicable permit requirements are fulfilled.

The following permits shall be applicable to this Contract:

- Illinois Department of Transportation – IL Route 53 and Fremont Way (Per IDOT, the Individual Highway Permit Bond is set at $10,000.00)
- Lake County Division of Transportation – Arlington Heights Road and Fremont Way *(No Contractor Performance Guaranty shall be required.)*
- Illinois Environmental Protection Agency – Division of Water Pollution Control (SWPPP)

Special Provisions

1. General Landscape Restoration (Special)

This work shall include all labor, material, and equipment necessary to furnish, place, and maintain general landscape restoration in accordance with Section(s) 211, 250, 251, and 252 of the Standard Specifications and as specified herein.

General landscape restoration shall include the preparation of the seed bed, final shaping, trimming, and finishing, furnishing and placing of; pulverized topsoil to a maximum depth of four (4) inches, 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. Supplemental watering may be required at the direction of the Engineer and will be paid for separately in accordance with the contract pay item SUPPLEMENTAL WATERING.

Prior to pulverized topsoil installation, all unsuitable material, debris, and rubbish, resulting from construction operations, or occurring within the right-of-way, and all stones or boulders more than 3 in. in largest dimension, shall be removed from the project site and disposed of according to Article 202.03 of the Standard Specifications. Before seed, fertilizer, and mulch is installed, the topsoil shall be relatively free of weeds, clods, stones, roots, sticks, rivulets, gullies, crusting, and caking.

Planting times shall be 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 in place and paid for at the contract unit price per square yard (SY) for GENERAL LANDSCAPE RESTORATION (SPECIAL), which shall include all labor, material, and equipment required to complete the work as specified herein.

2. Trench Backfill, FA-1 (Special)

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

The trench backfill in the parkways, from the back of curb to twelve (12) inches into the parkway, as shown on the Engineering plan shall be fine aggregate material. The maximum depth considered for payment shall be from the bottom of the curb to four (4) inches below proposed finish grade.

The material used for this item shall be exclusively Class B fine aggregate material meeting the gradation of FA-1 in accordance with Section 1003 of the Standard Specifications.

This work will be measured in place and paid for at the contract unit price per cubic yard (CY) for TRENCH BACKFILL, FA-1 (SPECIAL), which shall include all labor, material, and equipment required to complete the work as specified herein.

3. Aggregate Base Course, Type B Varies (Special)

This work shall include all labor, material, and equipment necessary to furnish and place aggregate base courses on a prepared subgrade or subbase in accordance with Section(s) 311 and 351 of the Standard Specifications and as specified herein.

This work includes all new aggregate base course material for proposed roadway base course, aggregate base repair, front fill for new concrete curb and gutter, temporary aggregate, and subbase granular material for sidewalk and driveway pavement, at the depths specified on the Engineering plans.

The material used for this item shall be exclusively IDOT certified Class A course aggregate material meeting the gradation of CA-6 in accordance with Section 1004 of the Standard Specifications. Mixing of aggregate from multiple sources is strictly prohibited. If it is determined that a different source is required for any reason, the new material must be approved by the Engineer, and shall occur roadway to roadway. Crushed concrete may not be used for roadway base course or base repair. At the direction of the Engineer, crushed concrete may be used as aggregate subgrade improvements, sidewalk base course, and driveway base courses as specified herein.

All aggregate shall be compacted to 95% modified proctor density conforming to ASTM D-1557 or AASHTO T-180.

This work will be measured in place and paid for at the contract unit price per ton (TN) for AGGREGATE BASE COURSE, TYPE B VARIES (SPECIAL), which price shall include all labor, materials, and equipment required to complete the work as specified herein.

4. Aggregate Base Course, Type B 4" (Special)

This work shall include all labor, material, and equipment necessary to furnish and place aggregate base courses on a prepared subgrade or subbase in accordance with Section(s) 311 and 351 of the Standard Specifications and as specified herein.

This work includes all new aggregate base course material for proposed curb and gutter.

The material used for this item shall be washed stone and exclusively IDOT certified Class A course aggregate material meeting the gradation of CA-11 in accordance with Section 1004 of the Standard Specifications. Crushed concrete shall not be permitted.

This work will be measured in place and paid for at the contract unit price per square yard (SY) for AGGREGATE BASE COURSE, TYPE B 4" (SPECIAL), which price shall include all labor, materials, and equipment required to complete the work as specified herein.

5. Pavement Removal

This work shall include all labor, material, and equipment necessary to completely remove the existing pavement as marked by the Engineer in accordance with Section 440 of the Standard Specifications.

Pavement removal shall be defined as asphalt or concrete pavement including asphalt or concrete base course, overlays, pozzolanic material, and aggregate or stabilized subbase material to the depth specified in the contract documents.

This work will be measured in place and paid for at the contract unit price per square yard (SY) for PAVEMENT REMOVAL, which shall include all labor, material, and equipment required to complete the work as specified herein.

6. Driveway Pavement Removal

This work shall include all labor, material, and equipment necessary to remove existing driveway pavement as marked by the Engineer in accordance with Section 440 of the Standard Specifications and as specified herein.

Driveway material type may include, but is not limited to, aggregate of various gradation, portland cement concrete and hot-mix asphalt pavements. The Contractor shall form a perpendicularly straight joint by full-depth machine sawing at the proposed limit of improvements to prevent surface spalling. The Contractor shall immediately replace, at no additional cost to the Village, any driveway pavement, outside of the limit of improvements or adjacent panels, damaged by the Contractor's operations due to neglect, misconduct or poor workmanship.

The limit of improvements for portland cement concrete driveway pavement shall follow an existing perpendicular joint pattern or as determined by the Engineer.

This work will be measured in place and paid for at the contract unit price per square yard (SY) for DRIVEWAY PAVEMENT REMOVAL, which shall include all labor, material, and equipment required to complete the work as specified herein.

7. Hot-Mix Asphalt Leveling Binder, Binder Course, and Surface Course (Special)

This work shall include all labor, material, and equipment necessary to furnish and place hot-mix asphalt, of the type specified, in accordance with Section 406 of the Standard Specifications and as specified herein.

The type of mix specified is commonly known as 'MURPHY MIX'.

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

Surface: N-50 Hot Mix Asphalt 9.5-mm Surface Course Mix "C or D" and Leveling 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 in place and paid for at the contract unit price per ton (TN) for LEVELING BINDER (MACHINE METHOD), (SPECIAL), HOT-MIX ASPHALT BINDER COURSE (SPECIAL), and HOT-MIX ASPHALT SURFACE COURSE (SPECIAL), which shall include all labor, material, and equipment required to complete the work as specified herein.

8. Combination Concrete Curb and Gutter

This work shall include all labor, material, and equipment necessary to construct combination concrete curb and gutter, of the type specified, as marked by the Engineer in accordance with Section 606 of the Standard Specifications and as specified herein.

This work shall include the installation of two #4 continuous reinforcing bars as shown on the Engineering plans along the full length of the new curb and gutter. Where new curb and gutter abuts existing concrete, smooth epoxy coated #4 dowel-bars shall be installed at 24" on center.

The proposed curb and gutter material shall be portland cement concrete in accordance with Section 1020 of the Standard Specifications 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. Mixing of the concrete and fibers shall not be permitted on the project site.

This work will be measured in place and paid for at the contract unit price per foot (FT) for COMBINATION CONCRETE CURB AND GUTTER, of the type specified, which shall include all labor, material, and equipment required to complete the work as specified herein.

9. Island Pavement

This work shall include all labor, material, and equipment necessary to construct concrete island pavement at locations shown on the Engineering plans in accordance with Section 606 of the Standard Specifications and as specified herein.

Proposed concrete island pavement shall be placed monolithically with the new curb and gutter. Transverse joints in the concrete curb shall prolongate to the island pavement and be of the same type, except that dowel bars or tie bars will not be required.

The exposed surface shall be finished smooth and even, and given a light brush finish while the concrete is still workable. The edges shall be rounded with approved finishing tools having a similar radii to sidewalk.

The proposed island pavement material shall be portland cement concrete in accordance with Section 1020 of the Standard Specifications 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. Mixing of the concrete and fibers shall not be permitted on the project site.

This work will be measured in place and paid for at the contract unit price per square foot (SF) for ISLAND PAVEMENT, of the depth specified, which shall include all labor, material, and equipment required to complete the work as specified herein.

10. Detectable Warnings

This work shall include all labor, material, and equipment necessary to furnish and place detectable warning plates at locations shown on the Engineering plans in accordance with Section 424 of the Standard Specifications and as specified herein.

This item shall be exclusive to the Lake County right-of-way at Arlington Heights Road and Fremont Way.

The detectable warnings shall be case iron panels of the sizes shown on the plans and shall meet the following material certification:

The detectable warning plate shall be constructed of gray iron meeting the requirements of Article 1006.14 of the Standard Specifications and ASTM A48, Class 30A, 30B or 35B; or cast ductile iron meeting the requirements of Article 1006.15 of the Standard Specifications.

The coating system shall consist of a rust inhibiting epoxy primer and a finish coat.

The epoxy primer shall have the following properties:

Property	Test Method	Performance
Humidity	ASTM D1735	1000 Hours Minimum
Water Immersion	ASTM D870	250 Hours Minimum
Corrosion Resistance (Salt Spray)	ASTM B117	1000 Hours Minimum

The finish coat shall be a powder coat and shall have the following properties:

Property	Test Method	Performance
Color	---	Federal Yellow
Corrosion Resistance (Salt Spray)	ASTM B117	1000 Hours Minimum

Cold Rolled Steel Lab Panels

This work will be measured in place and paid for at the contract unit price per square foot (SF) for DETECTABLE WARNINGS, which shall include all labor, material, and equipment required to complete the work as specified herein.

11. Detectable Warnings (Furnished by Others)

This work shall include all labor, material, and equipment necessary to place detectable warning plates at locations shown on the Engineering plans in accordance with Section 424 of the Standard Specifications and as specified herein.

The Village of Buffalo Grove will furnish 24"x24" detectable warning plates. The Contractor shall coordinate the retrieval of materials from the Department of Public Works (51 Raupp Blvd, Buffalo Grove, IL) from 7:00 AM to 3:00 PM, a minimum of 48 hours in advance of when the plates will be needed.

Cutting the panels will only be allowed on the ends of each detectable plate but must be cut in a neat and workman like manner per the manufacturers requirements. The cutting of two panels to develop a radius will not be permitted.

This work will be measured in place and paid for at the contract unit price per square foot (SF) for DETECTABLE WARNINGS (FURNISHED BY OTHERS), which shall include all labor, material, and equipment required to complete the work as specified herein.

12. Remove and Stack Brick Paver Driveway Pavement (Special)

This work shall include all labor, material, and equipment necessary to carefully remove and temporarily stack existing brick paver driveway pavement as specified herein.

All references to brick pavers throughout the contract documents shall be understood to mean all specialty materials, including, but not limited to, brick pavers, raised aggregate, slate, flagstone, and all non-portland cement or asphalt sidewalks or driveways.

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 the residents future use. The Contractor shall replace, at no additional cost to the Village, any existing brick pavers which have been damaged by the Contractor's operations due to neglect, misconduct or poor workmanship.

This work will be measured in place and paid for at the contract unit price per square foot (SF) for REMOVE AND STACK BRICK PAVER DRIVEWAY PAVEMENT (SPECIAL), which shall include all labor, material, and equipment required to complete the work as specified herein.

13. Inlets

This work shall include all labor, material, and equipment necessary to furnish and construct precast reinforced concrete inlets with specified frame and grates at locations shown on the Engineering plans in accordance with Section 602 of the Standard Specifications and as specified herein.

The proposed frame and grate shall be exclusively East Jordan 7210 Frame, and Type M3 Grate. Any adjustment rings required shall be in accordance with Exhibit No. 109 Materials List, as specified herein.

This work will be measured in place and paid for at the contract unit price per each (EA) for INLETS, of the type specified, and with the type of frame and grate specified, which shall include all labor, material, and equipment required to complete the work as specified herein.

14. Drainage Structures to be Adjusted

This work shall include all labor, material, and equipment necessary to adjust existing drainage structures in accordance with Section 602 of the Standard Specifications and as specified herein.

Adjustment ring material type and method shall be in accordance with Exhibit No. 109 Materials List, as specified herein.

This work will be measured in place and paid for at the contract unit price per each (EA) for DRAINAGE STRUCTURES TO BE ADJUSTED, which shall include all labor, material, and equipment required to complete the work as specified herein.

15. Drainage Structures to be Adjusted With New Frame and Grate

This work shall include all labor, material, and equipment necessary to adjust existing drainage structures and furnish a new frame and grate in accordance with Section 602 of the Standard Specifications and as specified herein.

Adjustment ring material type and method shall be in accordance with Exhibit No. 109 Materials List, as specified herein. The Contractor shall furnish a new Neenah R-3281-A frame and grate, where possible, otherwise, new Neenah R-3170 frame and grates will be approved. The Contractor is expressly advised to determine and order new frame and grates at the start of the project; no additional compensation or extension of time will be considered if this recommendation is not adhered to.

The Department of Public Works will determine if any existing frame and grate appurtenances are salvageable, otherwise, any material not suitable for salvage shall be disposed of off-site in accordance with Article 202.03 of the Standard Specifications.

This work will be measured in place and paid for at the contract unit price per each (EA) for DRAINAGE STRUCTURES TO BE ADJUSTED WITH NEW FRAME AND GRATE, which shall include all labor, material, and equipment required to complete the work as specified herein.

16. Sanitary Manholes to be Adjusted

This work shall include all labor, material, and equipment necessary to adjust existing sanitary manholes to proposed grade in accordance with Section 602 of the Standard Specifications and as specified herein.

A new external chimney seal shall be furnished in accordance with ASTM C-923, and be produced and supplied by Cretex Specialty Products. The external chimney seal shall be installed per the manufacturer's recommendation.

This work will be measured in place and paid for at the contract unit price per each for SANITARY MANHOLES TO BE ADJUSTED, which shall include all labor, material, and equipment required to complete the work as specified herein.

17. Sanitary/Storm Sewer to be Removed

This work shall include all labor, material, and equipment necessary to remove existing sanitary or storm sewer at locations shown on the Engineering plans in accordance with Article 551 of the Standard Specifications and as specified herein.

Storm sewer and sanitary sewer removal shall be combined into one pay item and 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 pipe.

This work will be measured in place and paid for at the contract unit price per foot (FT) for SANITARY/STORM SEWER TO BE REMOVED, of the size specified, (SPECIAL), which shall include all labor, material, and equipment required to complete the work as specified herein.

18. Sanitary Sewer

This work shall include all labor, material, and equipment necessary to furnish and install sanitary sewer, of the diameter, material and strength class specified in accordance with Section 550 of the Standard Specifications and as specified herein.

The material used for this item shall be exclusively PVC SDR 26, of the diameter specified, conforming to ASTM D-3034 pipe standards with rubber gasket joints conforming to ASTM D-3212 F-477.

The aggregate backfill material used for this item shall be included in the cost of this pay item and be exclusively IDOT certified Class A course aggregate material meeting the gradation of CA-11 in accordance with Section 1004 of the Standard Specifications.

This work will be measured in place and paid for at the contract unit price per foot (FT) for SANITARY SEWER, of the diameter specified, which shall include all labor, material, and equipment required to complete the work as specified herein.

19. Storm Sewer

This work shall include all labor, material, and equipment necessary to furnish and install storm sewer, of the diameter, material and strength class specified in accordance with Section 550 of the Standard Specifications and as specified herein.

All storm sewer labeled water main class or quality shall be furnished in accordance with Exhibit 109.

The aggregate backfill material used for this item shall be included in the cost of this pay item and be exclusively IDOT certified Class A course aggregate material meeting the gradation of CA-11 in accordance with Section 1004 of the Standard Specifications.

This work will be measured in place and paid for at the contract unit price per foot (FT) for STORM SEWER, of the class type, and diameter specified, which shall include all labor, material, and equipment required to complete the work as specified herein.

20. Sanitary Sewer Connection

This work shall include all labor, material, and equipment necessary to complete the connection of the proposed sanitary sewer to the existing sanitary sewer at locations shown on the Engineering 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 in place and paid for at the contract unit price per each (EA) for SANITARY SEWER CONNECTION (SPECIAL), which shall include all labor, material, and equipment required to complete the work as specified herein.

21. Storm Sewer Connection

This work shall include all labor, material, and equipment necessary to complete the connection of the proposed storm sewer to the existing sanitary sewer at locations shown on the Engineering 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 in place and paid for at the contract unit price per each (EA) for STORM SEWER CONNECTION (SPECIAL), which shall include all labor, material, and equipment required to complete the work as specified herein.

22. Pipe Underdrains

This work shall include all labor, material, and equipment necessary to furnish and install pipe underdrains in accordance with Section 601 of the Standard Specifications and as specified herein.

Pipe underdrains shall be installed behind the back of curb per the detail shown on the Engineering plan from each existing storm sewer structure for fifty (50) feet in each parallel direction. Pipe bends and fittings shall be required for radii ≤ 50'.

The aggregate backfill material and fabric sock, as specified in the Engineering plans and as specified herein, shall be included in the cost of this pay item, regardless of the depth of pipe underdrain. When connecting a proposed underdrain to an existing storm sewer structure, a new hole shall be machine cored with a minimum six (6) inch diameter, circular hole. Cutting a new pipe opening by any other method shall not be permitted.

The pipe material used for this item shall be exclusively perforated PVC SDR 35, of the diameter specified, conforming to ASTM D-3034 pipe standards with rubber gasket joints conforming to ASTM D-3212.

This work will be measured in place and paid for at the contract unit price per foot (FT) for PIPE UNDERDRAINS, of the size specified, (SPECIAL), which shall include all labor, material, and equipment required to complete the work as specified herein.

23. Buffalo Box Frame & Lid

This work shall include all labor, material, and equipment necessary to furnish and install a frame and lid specifically for water service boxes that are 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 exclusively Neenah R-1970; produced and supplied by:

Neenah Enterprises, Inc.
2121 Brooks Ave.

Neenah, WI 54956
Phone: 920-725-7000

This work will be measured in place and paid for at the contract unit price per each (EA) for BUFFALO BOX FRAME & LID, (SPECIAL), which shall include all labor, material, and equipment required to complete the work as specified herein.

24. Detector Loop Replacement

Effective: January 1, 1985
Revised: January 5, 2016
886.02TS

The following Traffic Signal Special Provisions and the "District 1 Standard Traffic Signal Design Details" supplement the requirements of the State of Illinois "Standard Specifications for Road and Bridge Construction" Sections 810, 886, 1079 and 1088.

The intent of this Special Provision is to prescribe the materials and construction methods commonly used to replace traffic signal detector loops and replace magnetic signal detectors with detector loops during roadway resurfacing, grinding and patching operations. Loop detector replacement will not require the transfer of traffic signal maintenance from the District Electrical Maintenance Contractor to this contract's electrical contractor. Replacement of magnetic detector will require wiring revisions inside the control cabinet and therefore the transfer of maintenance will be required. All material furnished shall be new. The locations and the details of all installations shall be as indicated on the Plans or as directed by the Engineer.

The work to be provided under this contract consists of furnishing and installing all traffic signal work as specified on the Plans and as specified herein in a manner acceptable and approved by the Engineer.

Notification of Intent to Work.
Contracts such as pavement grinding or patching which result in the destruction of traffic signal detection require a notification of intent to work and an inspection. A minimum of seven (7) working days prior to the detection removal, the Contractor shall notify the:

- Traffic Signal Maintenance and Operations Engineer at (847)705-4424
- IDOT Electrical Maintenance Contractor at (773) 287-7600

at which time arrangements will be made to adjust the traffic controller timing to compensate for the absence of detection.

Failure to provide proper notification may require the District's Electrical Maintenance Contractor to be called to investigate complaints of inadequate traffic signal timing. All costs associated with these expenses will be paid for by the Contractor at no additional expense to the Department according to Section 109 of the "Standard Specifications."

Acceptance of Material.
The Contractor shall provide:

1. All material approval requests shall be submitted a minimum of seven (7) days prior to the delivery of equipment to the job site, or within 30 consecutive calendar days after the contract is awarded, or within 15 consecutive calendar days after the preconstruction meeting, whichever is first.
2. Four (4) copies of a letter listing the vendor's name and model numbers of the proposed equipment shall be supplied. The letter will be reviewed by the Traffic Design Engineer to determine whether the equipment to be used is approved. The letters will be stamped as approved or not approved accordingly and returned to the Contractor.
3. One (1) copy of material catalog cuts.
4. The contract number, permit number or intersection location must be on each sheet of the letter and material catalog cuts as required in items 2 and 3.

Inspection of Construction.
When the road is open to traffic, except as otherwise provided in Section 801 and 850 of the Standard Specifications, the Contractor must request a turn-on and inspection of the completed detector loop installation at each separate location. This request must be made to the Traffic Signal Maintenance and Operations Engineer at (847)705-4424 a minimum of seven (7) working days prior to the time of the requested inspection.

Acceptance of the traffic signal equipment by the Department shall be based upon inspection results at the traffic signal "turn on." If approved, traffic signal acceptance shall be verbal at the "turn on" inspection followed by written correspondence from the Engineer. If this work is not completed in time, the Department reserves the right to have the work completed by others at the Contractor's expense.

All cost of work and materials required to comply with the above requirements shall be included in the pay item bid price, under which the subject materials and signal equipment are paid, and no additional compensation will be allowed. Materials and signal equipment not complying with the above requirements will be subject to removal and disposal at the Contractor's expense.

Restoration of Work Area.
Restoration of the traffic signal work area due to the detector loop installation and/or replacement shall be included in the cost of this item. All roadway surfaces such as shoulders, medians, sidewalks, pavement shall be replaced as shown in the plans or in kind. All damage to mowed lawns shall be replaced with an approved sod, and all damage to unmowed fields shall be seeded.

Removal, Disposal and Salvage of Existing Traffic Signal Equipment.
The removal, disposal, and salvage of existing traffic signal equipment shall be included in the cost of this item. All material and equipment removed shall become the property of the Contractor and disposed of by the Contractor outside the State's right-of-way. No additional compensation shall be provided to the Contractor for removal, disposal or salvage expense for the work in this contract.

DETECTOR LOOP REPLACEMENT.
This work shall consist of replacing existing detector loops which are destroyed during grinding, resurfacing, or patching operations.

If damage to the detector loop is unavoidable, replacement of the existing detection system will be necessary. This work shall be completed by an approved Electrical Contractor as directed by the Engineer.

Replacement of the loops shall be accomplished in the following manner: The Engineer shall mark the location of the replacement loops. The Traffic Signal Maintenance and Operations Engineer shall be called to approve loop locations prior to the cutting of the pavement. The Contractor may reuse the existing coilable non-metallic conduit (CNC) located between the existing handhole and the pavement if it hasn't been damaged. CNC meeting the requirements of NEC Article 353 shall be used for detector loop raceways to the handholes. All burrs shall be removed from the edges of the existing conduit which could cause damage to the new detector loop during installation. If the existing conduit is damaged beyond repair, if it cannot be located, or if additional conduits are required for each proposed loop; the Contractor shall be required to drill through the existing pavement into the appropriate handhole, and install 1" (25 mm) CNC. This work and the required materials shall not be paid for separately but shall be included in the pay item Detector Loop Replacement. Once suitable CNC raceways is established, the loop may be cut, installed, sealed and spliced to the twisted-shielded lead-in cable in the handhole.
All loops installed in new asphalt pavement shall be installed in the binder course and not in the surface course. The edge of pavement or the curb shall be cut with a 1/4" (6.3 mm) deep x 4" (100 mm) saw-cut to mark location of each loop lead-in.

A minimum of seven (7) working days prior to the Contractor cutting loops, the Contractor shall have the proposed loop locations marked and contact the Traffic Signal Maintenance and Operations Engineer (847)705-4424 to inspect and approve the layout.

Loop detectors shall be installed according to the requirements of the "District 1 Standard Traffic Signal Design Details." Saw-cuts from the loop to the edge of pavement shall be made perpendicular to the edge of pavement when possible in order to minimize the length of the saw-cut unless directed otherwise by the Engineer or as shown on the plan.

The detector loop cable insulation shall be labeled with the cable specifications.

Each loop detector lead-in wire shall be labeled in the handhole using a water proof tag, from an approved vendor, secured to each wire with nylon ties. The lead-in wire, including all necessary connections for proper operation, from the edge of pavement to the handhole, shall be included in the detector loop pay item.

Loop sealant shall be a two-component thixotropic chemically cured polyurethane. The sealant shall be installed 1/8" (3 mm) below the pavement surface. If installed above the surface the excess shall be removed immediately.

Round loop(s) 6 ft (1.8 m) diameter may be substituted for 6 ft (1.8 m) by 6 ft (1.8 m) square loop(s) and shall be paid for as 24 feet (7.2 m) of detector loop.

Resistance to ground shall be a minimum of 100 mega-ohms under any conditions of weather or moisture. Inductance shall be more than 50 and less than 700 microhenries. Quality readings shall be more than 5.

Heat shrink splices shall be used according to the "District 1 Standard Traffic Signal Design Details."

Detector loop replacement shall be measured along the sawed slot in the pavement containing the loop cable up to the edge of pavement, rather than the actual length of the wire in the slot. Drilling handholes, sawing the pavement, furnishing and installing CNC to the appropriate handhole, cable splicing to provide a fully operable detector loop, testing and all trench and backfill shall be included in this item.

Basis of Payment.
Detector Loop Replacement shall be paid for at the contract unit price per foot (meter) of DETECTOR LOOP REPLACEMENT.

MAGNETIC DETECTOR REMOVAL AND DETECTOR LOOP INSTALLATION.
This work shall consist of the removal of existing magnetic detectors, magnetic detector lead-in cable and magnetic detection amplifiers and related control equipment wiring, installation of detector lead-in cable, detector loops, detector amplifiers and related equipment wiring. The detector loop, cable, and amplifier shall be installed according to the applicable portions of the "Standard Specifications" and the applicable portions of the Special Provision for "Detector Loop Replacement." All drilling of handholes, furnishing and installing CNC, cable splicing, trench and backfill, removal of equipment, and removing cable from conduit shall be included in this item.

Basis of Payment.
Magnetic Detector Removal and Detector Loop Installation shall be paid for at the contract unit price per foot (meter) for DETECTOR LOOP, TYPE I, per each for INDUCTIVE LOOP DETECTOR, and foot (meter) for ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR.

25. Maintenance of Existing Traffic Signal Installation

Effective: May 22, 2002
Revised: July 1, 2015
850.01TS

General.

1. Full maintenance responsibility shall start as soon as the Contractor begins any physical work on the Contract or any portion thereof. If Contract work is started prior to a traffic signal inspection, maintenance of the traffic signal installation(s) will be transferred to the Contractor without an inspection.

2. The Contractor shall have electricians with IMSA Level II certification on staff to provide signal maintenance. A copy of the certification shall be immediately available upon request of the Engineer.

3. This item shall include maintenance of all traffic signal equipment and other connected and related equipment such as flashing beacons, emergency vehicle pre-emption equipment, master controllers, uninterruptable power supply (UPS and batteries), PTZ cameras, vehicle detection, handholes, lighted signs, telephone service installations, communication cables, conduits to adjacent intersections, and other traffic signal equipment.

4. Regional transit, County and other agencies may also have equipment connected to existing traffic signal or peripheral equipment such as PTZ cameras, switches, transit signal priority (TSP and BRT) servers, radios and other devices that shall be included with traffic signal maintenance at no additional cost to the contract.

5. Maintenance shall not include Automatic Traffic Enforcement equipment, such as Red Light Enforcement cameras, detectors, or peripheral equipment. This equipment is operated and maintained by the local municipality and should be de-activated while on contractor maintenance.

6. The energy charges for the operation of the traffic signal installation shall be paid for by the Contractor.

Maintenance.

1. The Contractor shall check all controllers every two (2) weeks, which will include visually inspecting all timing intervals, relays, detectors, and pre-emption equipment to ensure that they are functioning properly. The Contractor shall check signal system communications and phone lines to assure proper operation. This item includes, as routine maintenance, all portions of emergency vehicle pre-emption equipment. The Contractor shall maintain in stock at all times a sufficient amount of materials

and equipment to provide effective temporary and permanent repairs. Prior to the traffic signal maintenance transfer, the contractor shall supply a detailed maintenance schedule that includes dates, locations, names of electricians providing the required checks and inspections along with any other information requested by the Engineer.

2. The Contractor is advised that the existing and/or span wire traffic signal installation must remain in operation during all construction stages, except for the most essential down time. Any shutdown of the traffic signal installation, which exceeds fifteen (15) minutes, must have prior approval of the Engineer. Approval to shut down the traffic signal installation will only be granted during the period extending from 10:00 a.m. to 3:00 p.m. on weekdays. Shutdowns shall not be allowed during inclement weather or holiday periods.

3. The Contractor shall provide immediate corrective action when any part or parts of the system fail to function properly. Two far side heads facing each approach shall be considered the minimum acceptable signal operation pending permanent repairs. When repairs at a signalized intersection require that the controller be disconnected or otherwise removed from normal operation, and power is available, the Contractor shall place the traffic signal installation on flashing operation. The signals shall flash RED for all directions unless a different indication has been specified by the Engineer. The Contractor shall be required to place stop signs (R1-1-36) at each approach of the intersection as a temporary means of regulating traffic. When the signals operate in flash, the Contractor shall furnish and equip all their vehicles assigned to the maintenance of traffic signal installations with a sufficient number of stop signs as specified herein. The Contractor shall maintain a sufficient number of spare stop signs in stock at all times to replace stop signs which may be damaged or stolen.

4. The Contractor shall provide the Engineer with 2 (two) 24 hour telephone numbers for the maintenance of the traffic signal installation and for emergency calls by the Engineer.

5. Traffic signal equipment which is lost or not returned to the Department for any reason shall be replaced with new equipment meeting the requirements of the Standard Specifications and these special provisions.

6. The Contractor shall respond to all emergency calls from the Department or others within one (1) hour after notification and provide immediate corrective action. When equipment has been damaged or becomes faulty beyond repair, the Contractor shall replace it with new and identical equipment. The cost of furnishing and installing the replaced equipment shall be borne by the Contractor at no additional charge to the contract. The Contractor may institute action to recover damages from a responsible third party. If at any time the Contractor fails to perform all work as specified herein to keep the traffic signal installation in proper operating condition or if the Engineer cannot contact the Contractor's designated personnel, the Engineer shall have the State's Electrical Maintenance Contractor perform the maintenance work. The Contractor shall be responsible for all of the State's Electrical Maintenance Contractor's costs and liquidated damages of $1000 per day per occurrence. The State's Electrical Maintenance Contractor shall bill the Contractor for the total cost of the work. The Contractor shall pay this bill within thirty (30) days of the date of receipt of the invoice or the cost of such work will be deducted from the amount due the Contractor. The Contractor shall allow the Electrical Maintenance Contractor to make reviews of the Existing Traffic Signal Installation that has been transferred to the Contractor for Maintenance.

7. Any proposed activity in the vicinity of a highway-rail grade crossing must adhere to the guidelines set forth in the current edition of the Manual on Uniform Traffic Control Devices (MUTCD) regarding work in temporary traffic control zones in the vicinity of highway-rail grade crossings which states that lane restrictions, flagging, or other operations shall not create conditions where vehicles can be queued across the railroad tracks. If the queuing of vehicles across the tracks cannot be avoided, a uniformed law enforcement officer or flagger shall be provided at the crossing to prevent vehicles from stopping on the tracks, even if automatic warning devices are in place.

8. Equipment included in this item that is damaged or not operating properly from any cause shall be replaced with new equipment meeting current District One traffic signal specifications and provided by the Contractor at no additional cost to the Contract and/or owner of the traffic signal system, all as approved by the Engineer. Final replacement of damaged equipment must meet the approval of the Engineer prior to or at the time of final inspection otherwise the traffic signal installation will not be accepted. Cable splices outside the controller cabinet shall not be allowed.

9. Automatic Traffic Enforcement equipment, such as Red Light Enforcement cameras, detectors, and peripheral equipment, damaged or not operating properly from any cause, shall be the responsibility of the municipality or the Automatic Traffic Enforcement Company per Permit agreement.

10. The Contractor shall be responsible to clear snow, ice, dirt, debris or other condition that obstructs visibility of any traffic signal display or access to traffic signal equipment.

11. The Contractor shall maintain the traffic signal in normal operation during short or long term loss of utility or battery back-up power at critical locations designated by the Engineer. Critical locations may include traffic signals interconnected to railroad warning devices, expressway ramps, intersection with an SRA route, critical corridors or other locations identified by the Engineer. Temporary power to the traffic signal must meet applicable NEC and OSHA guidelines and may include portable generators and/or replacement batteries. Temporary power to critical locations shall not be paid for separately but shall be included in the contract.

12. Temporary replacement of damaged or knockdown of a mast arm pole assembly shall require construction of a full or partial span wire signal installation or other method approved by the Engineer to assure signal heads are located overhead and over traveled pavement. Temporary replacement of mast arm mount signals with post mount signals will not be permitted.

Basis of Payment.
This work will be paid for at the contract unit price per each for MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION. Each intersection will be paid for separately. Maintenance of a standalone and or not connected flashing beacon shall be paid for at the contract unit price for MAINTENANCE OF EXISITNG FLASHING BEACON INSTALLATION. Each flashing beacon will be paid for separately.

26. Temporary Information Signing

Effective: November 13, 1996
Revised: January 2, 2007

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 A 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.

Basis Of Payment.
This work shall be paid for at the contract unit price per square foot (SF) for TEMPORARY INFORMATION SIGNING.

27. Traffic Control and Protection

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
701006-05, 701011-04, 701301-04, 701501-06, 701701-10, 701801-06 and 701901-08

Details
TC-10 Traffic Control and Protection for Side Roads, Intersections and Driveways
TC-13 District One Typical Pavement Markings
TC-22 Arterial Road Information Sign

Special Provisions
Maintenance of Roadways and Erosion Control
Construction Staging and Maintenance of Base Course
Protection of Mailboxes
Traffic Control Plan
Equipment Parking and Storage
Lights on Barricades
Traffic Control Devices - Cones

No roads or segments shall be closed without prior written approval from the Engineer. The Contractor must present to the Engineer, a detour plan with a detailed description addressing how resident access will be maintained and all applicable signage. Submittal of a road closure request to the Engineer does not guarantee approval. Any additional traffic control devices required for road closures per the Contractor's request shall not be paid for separately but shall be included in the cost of the contract.

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.

Temporary "No Parking" signs must be approved by the Engineer prior to installation and the Village must be notified for each individual use or occurrence. The temporary signs must be POSTED AND DATED at least 24 hours before the intended date of use and shall be a minimum size of 8.5"x11", with a contrasting background and be lathe or post mounted. Any signage that is posted without the Engineer's approval will be assessed a monetary penalty of $500 per day until removed. **The Contractor shall not tow or move any vehicles.**

This work will be measured in place and paid for at the contract unit price per lump sum (LS) for TRAFFIC CONTROL AND PROTECTION, (SPECIAL), which shall include all labor, material, and equipment required to complete the work as specified herein.

28. Temporary Landscape Restoration

This work shall include all labor, material, and equipment necessary to furnish, install, maintain, and remove temporary landscape restoration in accordance with Section(s) 211, 250, 251, and 252 of the Standard Specifications and as specified herein.

Any restoration work completed outside of the planting times as defined by Article 250.07 of the Standard Specifications, will be considered temporary and will be paid for separately.

At the direction of the Engineer, the Contractor will be required to mow the temporary grass as part of the temporary landscape work and it is anticipated that the Contractor will be required to mow every two (2) weeks. The Contractor will have 48-hours following written notice by the Engineer to complete mowing operations as requested. Failure to mow when requested will result in a monetary penalty of $1,000 per day until the mowing has been completed.

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

IDOT District One - Special Provisions

1. Adjustments and Reconstructions (D-1)

Effective: March 15, 2011

Revise the first paragraph of Article 602.04 to read:

"602.04 **Concrete.** Cast-in-place concrete for structures shall be constructed of Class SI concrete according to the applicable portions of Section 503. Cast-in-place concrete for pavement patching around adjustments and reconstructions shall be constructed of Class PP-1 concrete, unless otherwise noted in the plans, according to the applicable portions of Section 1020."

Revise the third, fourth and fifth sentences of the second paragraph of Article 602.11(c) to read:

"Castings shall be set to the finished pavement elevation so that no subsequent adjustment will be necessary, and the space around the casting shall be filled with Class PP-1 concrete, unless otherwise noted in the plans, to the elevation of the surface of the base course or binder course. HMA surface or binder course material shall not be allowed. The pavement may be opened to traffic according to Article 701.17(e)(3)b."

Revise Article 603.05 to read:

"603.05 **Replacement of Existing Flexible Pavement.** After the castings have been adjusted, the surrounding space shall be filled with Class PP-1 concrete, unless otherwise noted in the plans, to the elevation of the surface of the base course or binder course. HMA surface or binder course material shall not be allowed. The pavement may be opened to traffic according to Article 701.17(e)(3)b."

Revise Article 603.06 to read:

"603.06 **Replacement of Existing Rigid Pavement.** After the castings have been adjusted, the pavement and HMA that was removed, shall be replaced with Class PP-1 concrete, unless otherwise noted in the plans, not less than 9 in. (225 mm) thick. The pavement may be opened to traffic according to Article 701.17(e)(3)b.

The surface of the Class PP concrete shall be constructed flush with the adjacent surface."

Revise the first sentence of Article 603.07 to read:

"603.07 **Protection Under Traffic.** After the casting has been adjusted and the Class PP concrete has been placed, the work shall be protected by a barricade and two lights according to Article 701.17(e)(3)b."

2. Aggregate Subgrade Improvement (D-1)

Effective: February 22, 2012
Revised: April 1, 2016

Add the following Section to the Standard Specifications:

"SECTION 303. AGGREGATE SUBGRADE IMPROVEMENT

303.01 **Description.** This work shall consist of constructing an aggregate subgrade improvement.

303.02 **Materials.** Materials shall be according to the following.

	Item	Article/Section
(a)	Coarse Aggregate	1004.07
(b)	Reclaimed Asphalt Pavement (RAP) (Notes 1, 2 and 3)	1031

Note 1. Crushed RAP, from either full depth or single lift removal, may be mechanically blended with aggregate gradation CS 01 but shall not exceed 40 percent by weight of the total product. The top size of the Coarse RAP shall be less than 4 in. (100 mm) and well graded.

Note 2. RAP having 100 percent passing the 1 1/2 in (37.5 mm) sieve and being well graded, may be used as capping aggregate in the top 3 in. (75 mm) when aggregate gradation CS 01 is used in lower lifts. When RAP is blended with any of the coarse aggregates, the blending shall be done with mechanically calibrated feeders. The final product shall not contain more than 40 percent by weight of RAP.

Note 3. The RAP used for aggregate subgrade improvement shall be according to the current Bureau of Materials and Physical Research Policy Memorandum, "Reclaimed Asphalt Pavement (RAP) for Aggregate Applications".

303.03 Equipment. The vibratory machine shall be according to Article 1101.01, or as approved by the Engineer. The calibration for the mechanical feeders shall have an accuracy of ± 2.0 percent of the actual quantity of material delivered.

303.04 Soil Preparation. The stability of the soil shall be according to the Department's Subgrade Stability Manual for the aggregate thickness specified.

303.05 Placing Aggregate. The maximum nominal lift thickness of aggregate gradation CS 01 shall be 24 in. (600 mm).

303.06 Capping Aggregate. The top surface of the aggregate subgrade shall consist of a minimum 3 in. (75 mm) of aggregate gradations CA 06 or CA 10. When Reclaimed Asphalt Pavement (RAP) is used, it shall be crushed and screened where 100 percent is passing the 1 1/2 in. (37.5 mm) sieve and being well graded. RAP that has been fractionated to size will not be permitted for use in capping. Capping aggregate will not be required when the aggregate subgrade improvement is used as a cubic yard pay item for undercut applications. When RAP is blended with any of the coarse aggregates, the blending shall be done with mechanically calibrated feeders.

303.07 Compaction. All aggregate lifts shall be compacted to the satisfaction of the Engineer. If the moisture content of the material is such that compaction cannot be obtained, sufficient water shall be added so that satisfactory compaction can be obtained.

303.08 Finishing and Maintenance of Aggregate Subgrade Improvement. The aggregate subgrade improvement shall be finished to the lines, grades, and cross sections shown on the plans, or as directed by the Engineer. The aggregate subgrade improvement shall be maintained in a smooth and compacted condition.

303.09 Method of Measurement. This work will be measured for payment according to Article 311.08.

303.10 Basis of Payment. This work will be paid for at the contract unit price per cubic yard (cubic meter) for AGGREGATE SUBGRADE IMPROVEMENT or at the contract unit price per square yard (square meter) for AGGREGATE SUBGRADE IMPROVEMENT, of the thickness specified.

Add the following to Section 1004 of the Standard Specifications:

"**1004.07 Coarse Aggregate for Aggregate Subgrade Improvement.** The aggregate shall be according to Article 1004.01 and the following.

(a) Description. The coarse aggregate shall be crushed gravel, crushed stone, or crushed concrete. The top 12 inches of the aggregate subgrade improvement shall be 3 inches of capping material and 9 inches of crushed gravel, crushed stone or crushed concrete. In applications where greater than 36 inches of subgrade material is required, rounded gravel, meeting the CS01 gradation, may be used beginning at a depth of 12 inches below the bottom of pavement.

(b) Quality. The coarse aggregate shall consist of sound durable particles reasonably free of deleterious materials. Non-mechanically blended RAP may be allowed up to a maximum of 5.0 percent.

(c) Gradation.

(1) The coarse aggregate gradation for total subgrade thicknesses of 12 in. (300 mm) or greater shall be CS 01.

Grad No.	COARSE AGGREGATE SUBGRADE GRADATIONS Sieve Size and Percent Passing				
	8"	6"	4"	2"	#4
CS 01	100	97 ± 3	90 ± 10	45 ± 25	20 ± 20

Grad No.	COARSE AGGREGATE SUBGRADE GRADATIONS (Metric)				
	Sieve Size and Percent Passing				
	200 mm	150 mm	100 mm	50 mm	4.75 mm
CS 01	100	97 ± 3	90 ± 10	45 ± 25	20 ± 20

The 3 in. (75 mm) capping aggregate shall be gradation CA 6 or CA 10.

3. 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/]

Use	Mixture	Aggregates Allowed	
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	Allowed Alone or in Combination [5]: Crushed Gravel Carbonate Crushed Stone (other than Limestone)[2]	
	SMA Ndesign 50 Surface	Crystalline Crushed Stone Crushed Sandstone Crushed Slag (ACBF) Crushed Steel Slag[4] Crushed Concrete[3]	
		Other Combinations 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	Allowed Alone or in Combination [5 6]: Crystalline Crushed Stone Crushed Sandstone Crushed Slag (ACBF) Crushed Steel Slag No Limestone.	
		Other Combinations Allowed:	
		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

Use	Mixture	Aggregates Allowed	
HMA High ESAL	F Surface IL-9.5 SMA Ndesign 80 Surface	Allowed Alone or in Combination [5/ 6/]: Crystalline Crushed Stone Crushed Sandstone Crushed Slag (ACBF) Crushed Steel Slag No Limestone.	
		Other Combinations Allowed:	
		Up to...	*With...*
		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."

4. 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	CA 11 1/
	IL-9.5	CA 16, CA 13 3/
HMA Low ESAL	IL-19.0L	CA 11 1/
	IL-9.5L	CA 16
	Stabilized Subbase or Shoulders	
SMA 2/	1/2 in. (12.5mm) Binder & Surface	CA13 3/, CA14 or CA16
	IL 9.5 Surface	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."

5. Reclaimed Asphalt Pavement and Reclaimed Asphalt Shingles (D-1)

Effective: November 1, 2012
Revised: 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".

(c) 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
TABLE OF CONTENTS

GHA GEWALT HAMILTON ASSOCIATES, INC.
625 Forest Edge Drive ▪ Vernon Hills, IL. 60061
TEL 847.478.9700 ▪ FAX 847.478.9701

STORM SEWER SPOT REPAIR

2019 ROAD IMPROVEMENT PROGRAM
VARIOUS LOCATIONS
VILLAGE OF BUFFALO GROVE, ILLINOIS

FILE: 4798.037 PR1.dwg	
DRAWN BY: LJD	GHA PROJECT #
DATE: 12/13/2018	4798.037
CHECKED BY: BJW	SCALE: 1"=100'

HYDROVISION TECHNOLOGY (815) 409-6830

Surveyors name	Certificate Number	System Owner	Survey Customer	Drainage Area	Sheet
NW	U-911-12717	VILLAGE OF BUFFALO GROVE IL.	VILLAGE OF BUFFALO GROVE IL.	BUFFALO GROVE	1

P/O No.	Pipeline Segment Reference	Date	Time	Location (Street Name and number)	Locality
00000		20170510	10:16	CAREN DR.	BUFFALO GROVE IL.

Further Location details	Upstream Manhole Number	Rim to Invert	Grade to Invert	Rim to Grade
	H10-7756	10		

Downstream Manhole Number	Rim to Invert	Grade to Invert	Rim to Grade	Use of Sewer	Direction	Flow Control	Height
H10-7758	10			Stormwater	Downstream	N	12

Width	Shape	Material	Ln. Method	Pipe Joint Length	Total Length	Length Surveyed	Year Laid	Year Rehabilitated	Tape / Media Number
12	Other	ZZZ				57			

Purpose	Sewer Category	Pre-Cleaning	Cleaned	Weather	Additional Information
F	A	Jetting		Dry	

Distance (Feet)	Code		Continuous defect	Value				Joint	Circumferential Location		Image Ref.	Struct. Grade	O&M Grade	
	Group/ Descriptor	Modifier/ severity		S/M/L	Inches 1st	Inches 2nd	%		At / From	To				
0.0	AMH										AMH@0			Remarks
0.0	MWL						5				MWL@0			Starting Manhole: H10-7756
9.0	JO			L							JOL@9	2		
39.2	JO			L							JOL@39.2	2		
46.5	JO			L							JOL@46.5	2		
55.1	JO			L							JOL@55.1	2		
57.0	AMH										AMH@57			END MANHOLE H10-7758

	Structural								O & M								Overall							
Segment	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5	Rating	Quick	Index	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5	Rating	Quick	Index	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5	Rating	Quick	Index
20170510-H10-7756-H10-7758	0	8	0	0	0	8	2400	2.0	0	0	0	0	0	0	0000		0	8	0	0	0	8	2400	2.0

Generated on Wednesday, 5/10/2017 at 10:26 AM by the PipeTech® TV inspection system.

HYDROVISION TECHNOLOGY
(815) 459-6830

Upstream MH	Downstream MH	Size	Material	Total Length	City
H10-7756	H10-7758	12	Other		BUFFALO GROVE IL.

Surveyor's Name	Certificate Number	Street Address	Location Details
NW	U-911-12717	CAREN DR.	

Direction	Purpose	Weather	Date	Time	Length Surveyed
Downstream	Routine Assessment	Dry	20170510	10:16	57

Additional Information

Ftg.	Code	Description	Position	Comment
0.0	AMH	Access Point - Manhole		Starting Manhole: H10-7756
0.0	MWL	Water Level		
9.0	JOL	Joint Offset (displaced): Large		
39.2	JOL	Joint Offset (displaced): Large		
46.5	JOL	Joint Offset (displaced): Large		
55.1	JOL	Joint Offset (displaced): Large		
57.0	AMH	Access Point - Manhole		END MANHOLE H10-7758

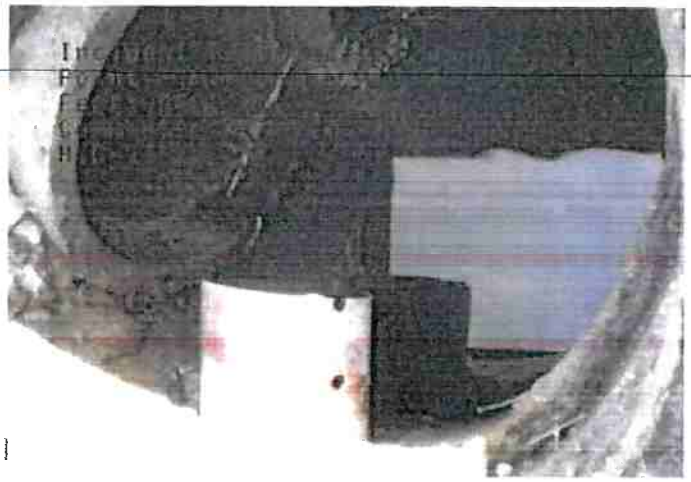
HYDROVISION TECHNOLOGY
(815) 469-6838

Upstream MH	Downstream MH	Size	Material	Total Length	City
H10-7756	H10-7758	12	Other		BUFFALO GROVE IL.

Surveyor's Name	Certificate Number	Street Address	Location Details
NW	U-911-12717	CAREN DR.	

Direction	Purpose	Weather	Date	Time	Length Surveyed
Downstream	Routine Assessment	Dry	20170510	10:16	57

Additional Information



AMH - Access Point - Manhole @ 0.0 ft.
Starting Manhole: H10-7756

MWL - Water Level @ 0.0 ft.

JOL - Joint Offset (displaced): Large @ 9.0 ft.

JOL - Joint Offset (displaced): Large @ 39.2 ft.

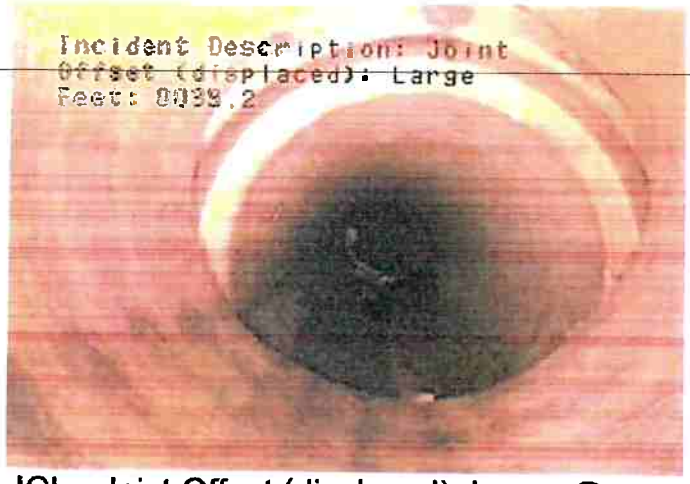
HYDROVISION TECHNOLOGY
(815) 459-6830

Upstream MH	Downstream MH	Size	Material	Total Length	City
H10-7756	H10-7758	12	Other		BUFFALO GROVE IL.

Surveyor's Name	Certificate Number	Street Address	Location Details
NW	U-911-12717	CAREN DR.	

Direction	Purpose	Weather	Date	Time	Length Surveyed
Downstream	Routine Assessment	Dry	20170510	10:16	57

Additional Information



JOL - Joint Offset (displaced): Large @ 46.5 ft.

JOL - Joint Offset (displaced): Large @ 55.1 ft.

AMH - Access Point - Manhole @ 57.0 ft.
END MANHOLE H10-7758

HYDROVISION TECHNOLOGY (815) 409-8830

Surveyors name	Certificate Number	System Owner	Survey Customer	Drainage Area	Sheet
NW	U-911-12717	VILLAGE OF BUFFALO GROVE IL.	VILLAGE OF BUFFALO GROVE IL.	BUFFALO GROVE	1

P/O No.	Pipeline Segment Reference	Date	Time	Location (Street Name and number)	Locality
00000		20170509	10:42	RONNIE DR.	BUFFALO GROVE IL.

Further Location details	Upstream Manhole Number	Rim to Invert	Grade to Invert	Rim to Grade
	H11-7519	10		

Downstream Manhole Number	Rim to Invert	Grade to Invert	Rim to Grade	Use of Sewer	Direction	Flow Control	Height
H11-7520	10			Stormwater	Upstream	N	10

Width	Shape	Material	Ln. Method	Pipe Joint Length	Total Length	Length Surveyed	Year Laid	Year Rehabilitated	Tape / Media Number
10	Other	ZZZ				31			

Purpose	Sewer Category	Pre-Cleaning	Cleaned	Weather	Additional Information
F	A	Jetting		Dry	

Distance (Feet)	Code		Continuous defect	Value				Joint	Circumferential Location		Image Ref.	Struct. Grade	O&M Grade	Remarks
	Group/ Descriptor	Modifier/ severity		S/M/L	Inches 1st	Inches 2nd	%		At / From	To				
0.0	AMH										AMH@0			Starting Manhole: H09-7520
0.0	MWL						5				MWL@0			
24.2	H	VV							7	11	HVV@24.2	5		
31.0	AMH										AMH@31			END MANHOLE H11-7519

Segment	Structural								O & M								Overall							
	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5	Rating	Quick	Index	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5	Rating	Quick	Index	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5	Rating	Quick	Index
20170509-H11-7519-H11-7520	0	0	0	0	5	5	5100	5.0	0	0	0	0	0	0	0000		0	0	0	0	5	5	5100	5.0

HYDROVISION TECHNOLOGY
(815) 469-6830

Upstream MH	Downstream MH	Size	Material	Total Length	City
H11-7519	H11-7520	10	Other		BUFFALO GROVE IL.

Surveyor's Name	Certificate Number	Street Address	Location Details
NW	U-911-12717	RONNIE DR.	

Direction	Purpose	Weather	Date	Time	Length Surveyed
Upstream	Routine Assessment	Dry	20170509	10:42	31

Additional Information

Ftg.	Code	Description	Position	Comment
0.0	AMH	Access Point - Manhole		Starting Manhole: H09-7520
0.0	MWL	Water Level		
24.2	HVV	Hole in Pipe: Void Visible	7 to 11	
31.0	AMH	Access Point - Manhole		END MANHOLE H11-7519

HYDROVISION TECHNOLOGY
(815) 469-6030

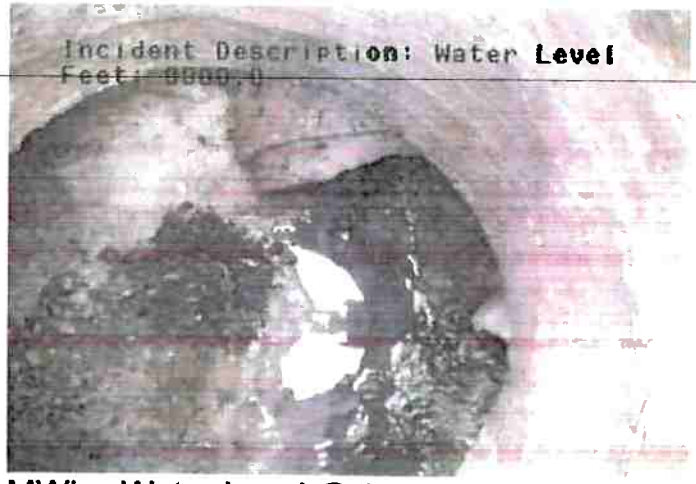
Upstream MH	Downstream MH	Size	Material	Total Length	City
H11-7519	H11-7520	10	Other		BUFFALO GROVE IL.

Surveyor's Name	Certificate Number	Street Address	Location Details
NW	U-911-12717	RONNIE DR.	

Direction	Purpose	Weather	Date	Time	Length Surveyed
Upstream	Routine Assessment	Dry	20170509	10:42	31

Additional Information

AMH - Access Point - Manhole @ 0.0 ft.
Starting Manhole: H09-7520



MWL - Water Level @ 0.0 ft.

HVV - Hole in Pipe: Void Visible @ 24.2 ft.

AMH - Access Point - Manhole @ 31.0 ft.
END MANHOLE H11-7519

HYDROVISION TECHNOLOGY (815) 469-6830

Surveyors name	Certificate Number	System Owner	Survey Customer	Drainage Area	Sheet
NW	U-123456789	VILLAGE OF BUFFALO GROVE IL.	VILLAGE OF BUFFALO GROVE IL.	VILLAGE OF BUFF	1

P/O No.	Pipeline Segment Reference	Date	Time	Location (Street Name and number)	Locality
N/A	NONE PROVIDED	20160520	11:47	RONNIE DR.	VILLAGE OF BUFFALO GROVE IL.

Further Location details	Upstream Manhole Number	Rim to Invert	Grade to Invert	Rim to Grade
	H11-1707	26	0	0

Downstream Manhole Number	Rim to Invert	Grade to Invert	Rim to Grade	Use of Sewer	Direction	Flow Control	Height
H11-1708	26	0	0	Sanitary	Upstream	N	8

Width	Shape	Material	Ln. Method	Pipe Joint Length	Total Length	Length Surveyed	Year Laid	Year Rehabilitated	Tape / Media Number
8	Other	RPM	ZZ			148			

Purpose	Sewer Category	Pre-Cleaning	Cleaned	Weather	Additional Information
F		Jetting	20141120	Dry	

Distance (Feet)	Code: Group/ Descriptor	Code: Modifier/ severity	Continuous defect	Value: S/M/L	Value: Inches 1st	Value: Inches 2nd	Value: %	Joint	Circumferential Location: At / From	Circumferential Location: To	Image Ref.	Struct. Grade	O&M Grade	Remarks
0.0	AMH													Starting Manhole: H11-1708 NOTE TRACKING UPSTREAM DUE TO LINE STARTS OUT 6" INCH
0.0	MWL						5							
52.4	TF	A			4				3					FULL OF GREASE
91.7	TF	A			4				3					FULL OF GREASE
137.9	TF	A			4				3					
140.5	TF	A			4				10					NOTE LINE IS 6 INCH AT T5HIS POINT WHEELED 148' TOTAL LINE LF.
145.0	MGO													END MANHOLE H11-1707
148.0	AMH													

Segment	Structural: Grade 1	Grade 2	Grade 3	Grade 4	Grade 5	Rating	Quick	Index	O & M: Grade 1	Grade 2	Grade 3	Grade 4	Grade 5	Rating	Quick	Index	Overall: Grade 1	Grade 2	Grade 3	Grade 4	Grade 5	Rating	Quick	Index
20160520-H11-1707-H11-1708_1	0	0	0	0	0	0	0000		0	0	0	0	0	0	0000		0	0	0	0	0	0	0000	

Generated on Friday, 5/20/2016 at 12:01 PM by the PipeTech® TV inspection system.

HYDROVISION
(815) 459-6838 TECHNOLOGY

Upstream MH	Downstream MH	Size	Material	Total Length	City
H11-1707	H11-1708	8	Reinforced Plastic Pipe (Truss Pipe)		VILLAGE OF BUFFALO GROVE IL.

Surveyor's Name	Certificate Number	Street Address	Location Details
NW	U-123456789	RONNIE DR.	

Direction	Purpose	Weather	Date	Time	Length Surveyed
Upstream	Routine Assessment	Dry	20160520	11:47	148

Additional Information

Ftg.	Code	Description	Position	Comment
0.0	AMH	Access Point - Manhole		Starting Manhole: H11-1708 NOTE TRACKING UPSTREAM DUE TO LINE STARTS OUT 6" INCH
0.0	MWL	Water Level		
52.4	TFA	Tap, Factory Made: Active	3	
91.7	TFA	Tap, Factory Made: Active	3	FULL OF GREASE
137.9	TFA	Tap, Factory Made: Active	3	FULL OF GREASE
140.5	TFA	Tap, Factory Made: Active	10	
145.0	MGO	General Observation		NOTE LINE IS 6 INCH AT T5HIS POINT WHEELED 148' TOTAL LINE LF.
148.0	AMH	Access Point - Manhole		END MANHOLE H11-1707

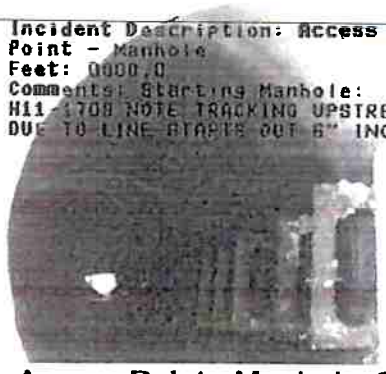
HYDROVISION
(815) 459-6838 TECHNOLOGY

Upstream MH	Downstream MH	Size	Material	Total Length	City
H11-1707	H11-1708	8	Reinforced Plastic Pipe (Truss Pipe)		VILLAGE OF BUFFALO GROVE IL.

Surveyor's Name	Certificate Number	Street Address	Location Details
NW	U-123456789	RONNIE DR.	

Direction	Purpose	Weather	Date	Time	Length Surveyed
Upstream	Routine Assessment	Dry	20160520	11:47	148

Additional Information



AMH - Access Point - Manhole @ 0.0 ft. Starting Manhole: H11-1708 NOTE TRACKING UPSTREAM DUE TO LINE STARTS OUT 6" INCH

MWL - Water Level @ 0.0 ft.

TFA - Tap, Factory Made: Active @ 52.4 ft.

TFA - Tap, Factory Made: Active @ 91.7 ft. FULL OF GREASE

HYDROVISION
(815) 469-6830 TECHNOLOGY

Upstream MH	Downstream MH	Size	Material	Total Length	City
H11-1707	H11-1708	8	Reinforced Plastic Pipe (Truss Pipe)		VILLAGE OF BUFFALO GROVE IL.

Surveyor's Name	Certificate Number	Street Address	Location Details
NW	U-123456789	RONNIE DR.	

Direction	Purpose	Weather	Date	Time	Length Surveyed
Upstream	Routine Assessment	Dry	20160520	11:47	148

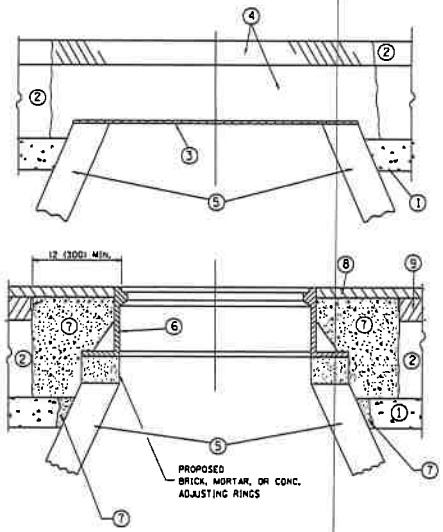
Additional Information

TFA - Tap, Factory Made: Active @ 137.9 ft. FULL OF GREASE

TFA - Tap, Factory Made: Active @ 140.5 ft.

MGO - General Observation @ 145.0 ft. NOTE LINE IS 6 INCH AT T5HIS POINT WHEELED 148' TOTAL LINE LF.

AMH - Access Point - Manhole @ 148.0 ft. END MANHOLE H11-1707



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

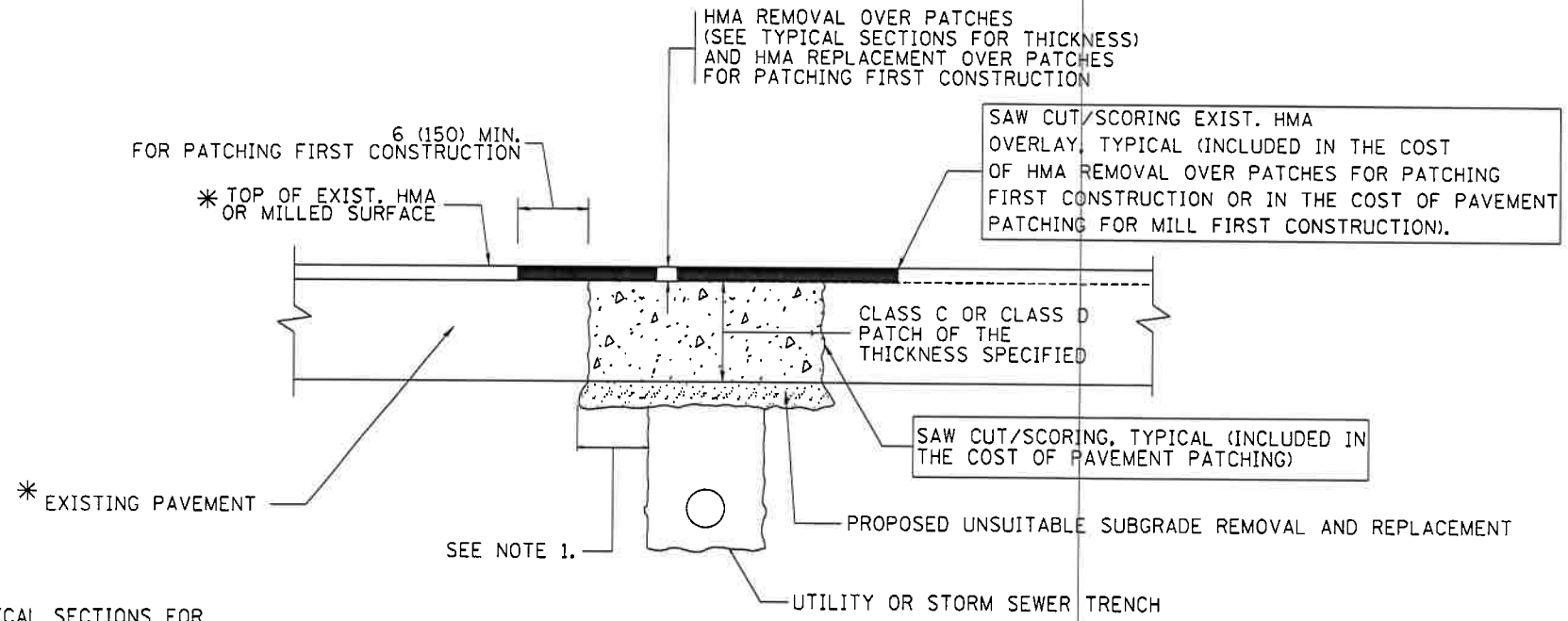
FILE NAME =	USER NAME = bauerdl	DESIGNED - R. SHAH	REVISED - R. WIEDEMAN 05-14-04
		DRAWN -	REVISED - R. BORO 01-01-07
	PLOT SCALE = 1988.5000 ' / in	CHECKED -	REVISED - R. BORO 03-09-11
	PLOT DATE = 12/8/2011	DATE - 10-25-94	REVISED - R. BORO 12-06-11

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.
	BD608-03 (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)

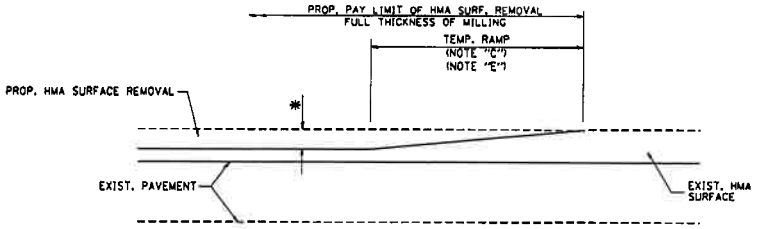
1. REMOVE THE EXISTING HMA MATERIAL OVER THE AREA TO BE PATCHED.
2. REMOVE AND REPLACE WITH CLASS C OR D PATCH.
3. REPLACE HMA MATERIAL OVER THE AREA TO BE PATCHED.

SEQUENCE OF CONSTRUCTION (MILLING FIRST)

1. MILL HMA FIRST IF THERE IS AT LEAST 4½ 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.

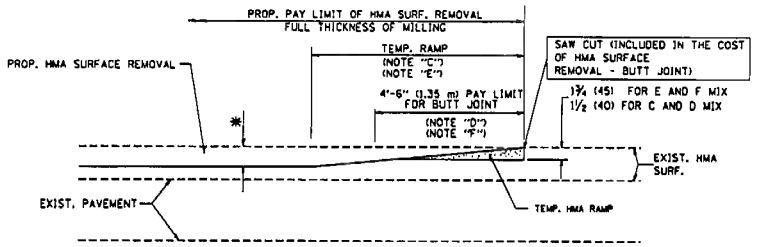
FILE NAME =	USER NAME = bauerdl	DESIGNED - R. SHAH	REVISED - A. ABBAS 04-27-98	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED - R. BORO 01-01-07							
	PLOT SCALE = 50.000 ' / IN.	CHECKED -	REVISED - R. BORO 09-04-07				BD408-04 (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		



MILLED TEMPORARY RAMP

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 1

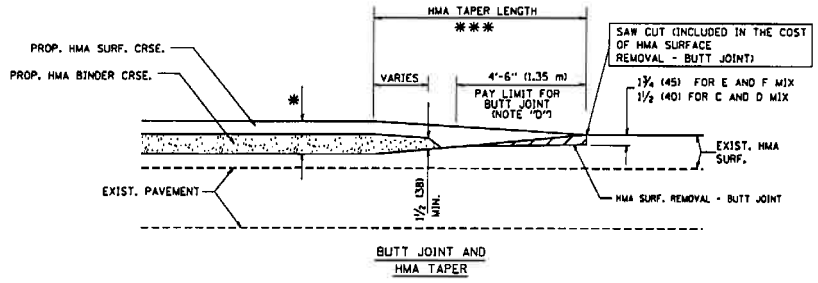


HMA CONSTRUCTED TEMPORARY RAMP

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

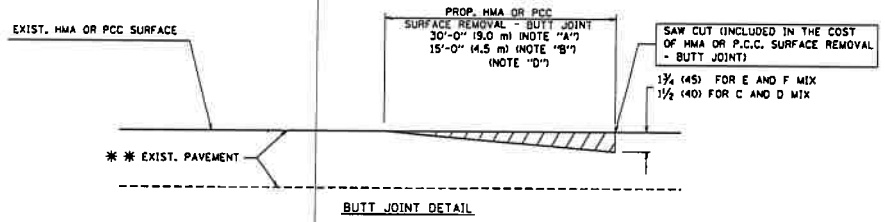
OPTION 2

TYPICAL TEMPORARY RAMP

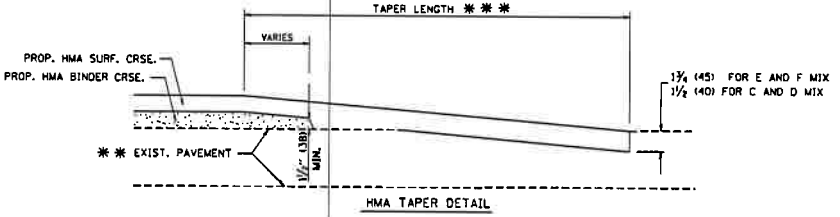


BUTT JOINT AND HMA TAPER

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 =	USER NAME = gaglionobs	DESIGNED - M. DE YONG	REVISED - R. SHAH 10-25-94
		DRAWN -	REVISED - A. ABBAS 03-21-97
	PLOT SCALE = 50.0000 '/ IN.	CHECKED -	REVISED - M. GOMEZ 04-08-01
	PLOT DATE = 1/4/2008	DATE - 06-13-90	REVISED - R. BORO 01-01-07

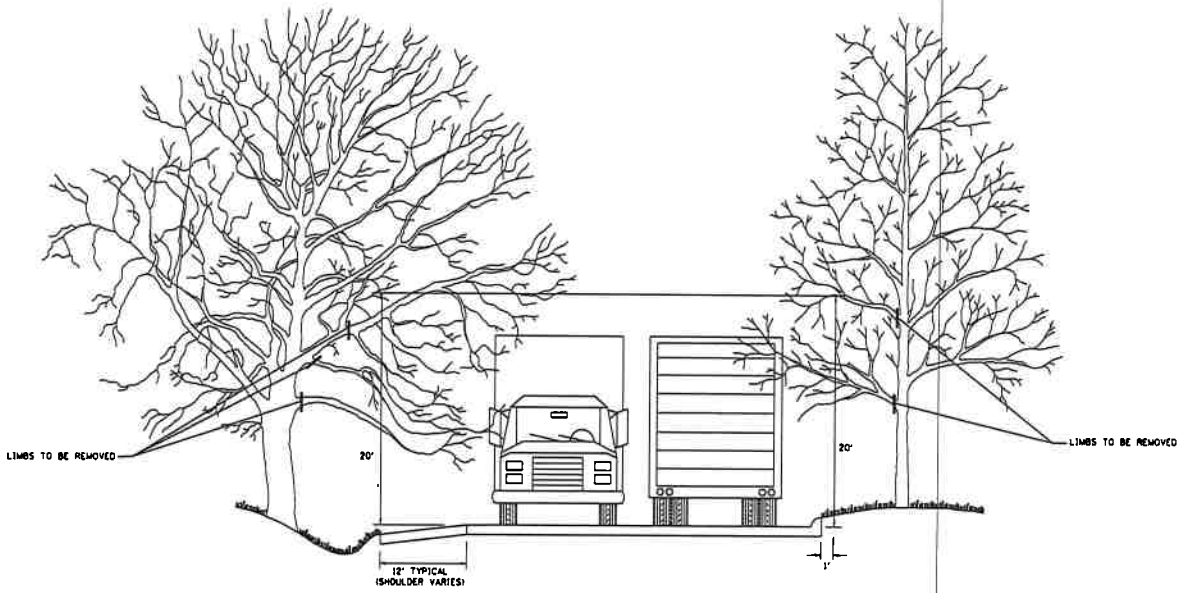
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BUTT JOINT AND HMA TAPER DETAILS

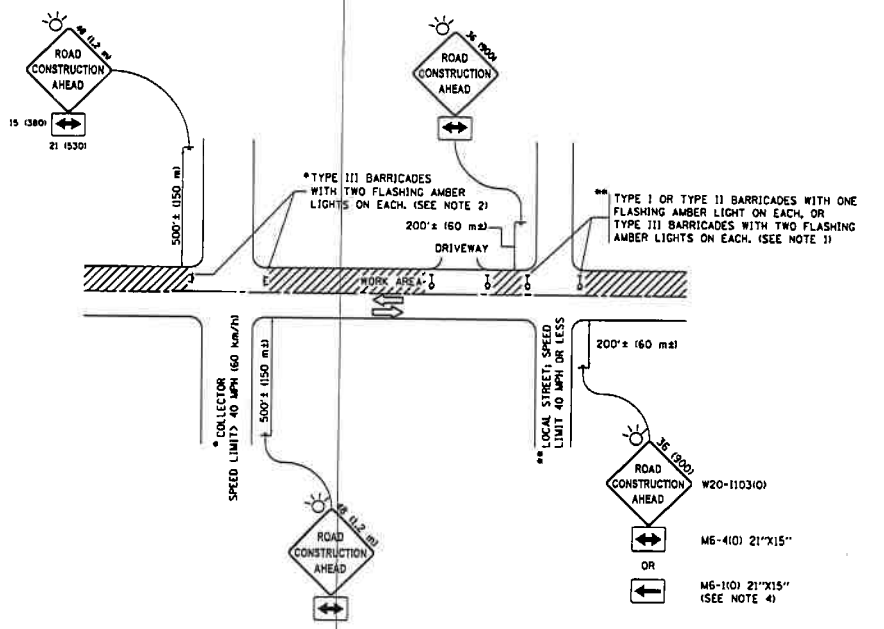
SCALE: NONE | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA.

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:\standard\22x34\bm20.dgn	USER NAME = gaglianob	DESIGNED -	REVISED - R. BORD 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.

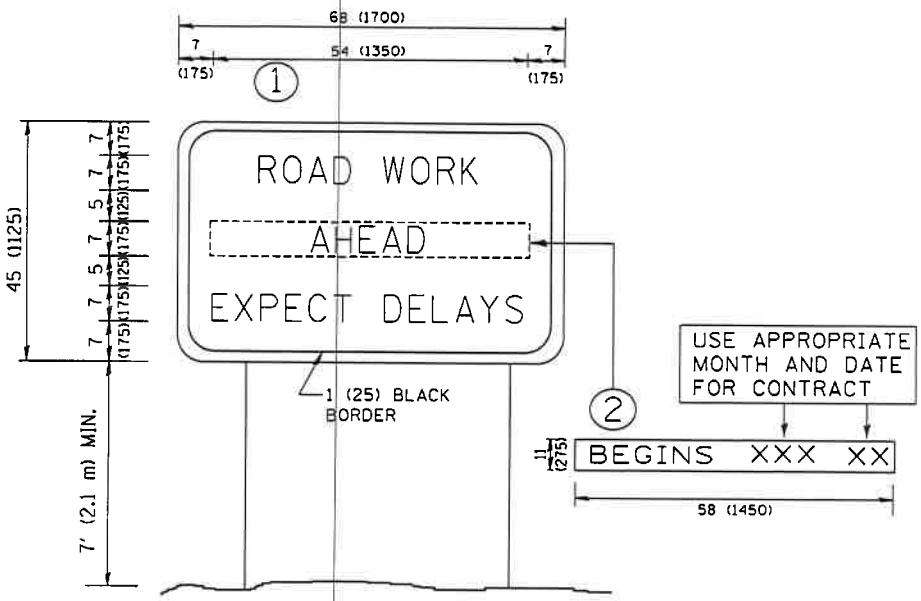
FILE NAME =	USER NAME = fostomj	DESIGNED - L.N.A.	REVISED - A. HOUSEN 10-15-96
			REVISED - T. RAMMACHER 01-06-00
Default	PLOT SCALE = 50.000 ' / in.	CHECKED -	REVISED - A. SCHUETZE 07-01-13
	PLOT DATE = 9/30/2016	DATE - 06-89	REVISED - A. SCHUETZE 09-15-16

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 =	USER NAME = gaglionobi	DESIGNED -	REVISED - R. MIRS 09-15-97
		DRAWN -	REVISED - R. MIRS 12-11-97
	PLOT SCALE = 50.000 ' / IN.	CHECKED -	REVISED -T. RAMMACHER 02-02-98
	PLOT DATE = 1/4/2000	DATE -	REVISED - C. JUCIUS 01-31-07

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

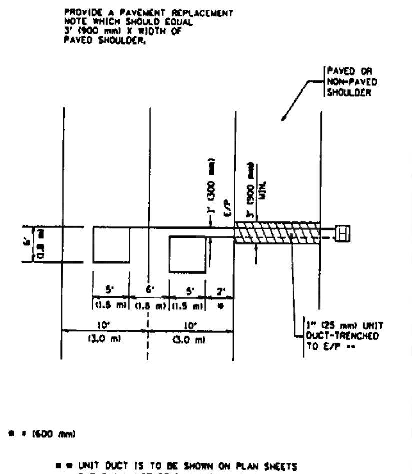
ARTERIAL ROAD INFORMATION SIGN

SCALE: NONE | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	TC-32	CONTRACT NO.		

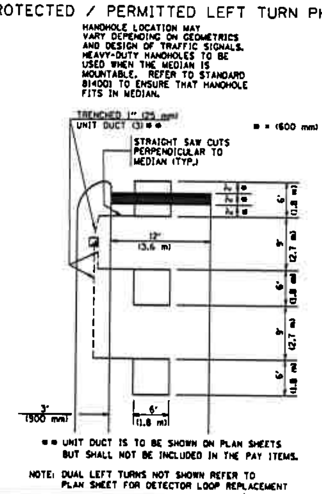
FED. ROAD DIST. NO. 1 | ILLINOIS | FED. AID PROJECT

LOOPS NEXT TO SHOULDERS



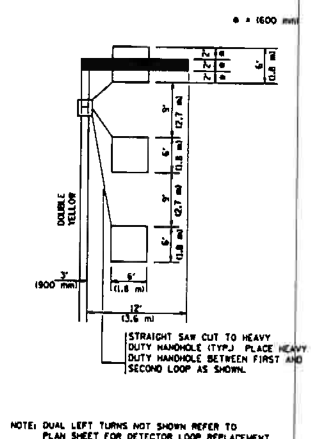
LEFT TURN LANES WITH MEDIANS
VOLUME DENSITY ("FAR OUT" DETECTION) ON SAME APPROACH

(PROTECTED / PERMITTED LEFT TURN PHASING)

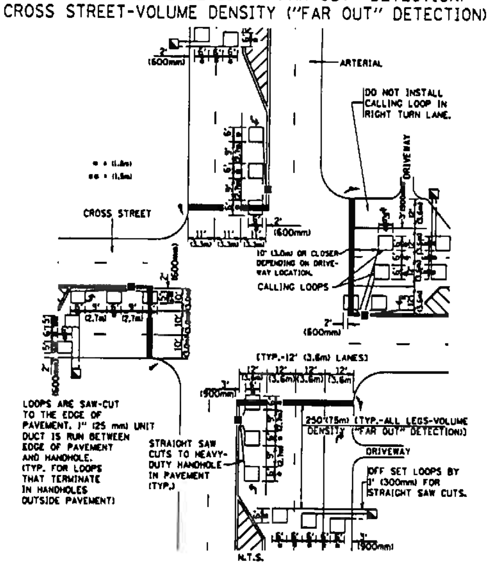


LEFT TURN LANES WITHOUT MEDIANS
VOLUME DENSITY ("FAR OUT" DETECTION) ON SAME APPROACH

(PROTECTED / PERMITTED LEFT TURN PHASING)

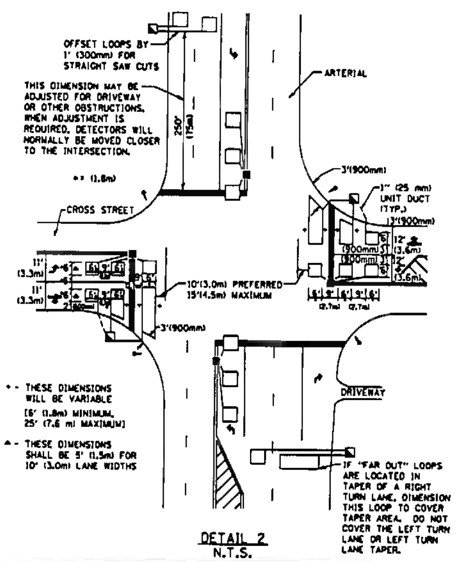


ARTERIAL-VOLUME DENSITY ("FAR OUT" DETECTION)
CROSS STREET-VOLUME DENSITY ("FAR OUT" DETECTION)



DETAIL 1
N.T.S.

ARTERIAL-VOLUME DENSITY ("FAR OUT" DETECTION)
CROSS STREET-NON VOLUME DENSITY ("UPTIGHT" PRESENCE DETECTION)



DETAIL 2
N.T.S.

NOTES:

VEHICLES LOOP DETECTORS

- ALL LEAD IN CABLE SHALL BE TWO CONDUCTOR NO. 14 TWISTED, SHIELDED.
- EACH DETECTOR LOOP SHALL HAVE ITS OWN SAW CUT FROM THE LOOP TO THE EDGE OF PAVEMENT OR TO A HANDHOLE IN THE PAVEMENT.
- EACH DETECTOR LOOP SHALL HAVE ITS OWN ONE INCH (25 mm) UNIT DUCT BETWEEN THE EDGE OF PAVEMENT AND THE FIRST HANDHOLE OR JUNCTION BOX. EACH UNIT DUCT RUN SHALL BE SHOWN ON THE PLANS BY THE DESIGNER, BUT SHALL NOT BE PAID FOR SEPARATLY. THIS ITEM IS INCIDENTAL TO THE PAY ITEM FOR DETECTOR LOOPS.
- ONE DIMENSION OF ALL DETECTOR LOOPS SHALL BE SIX FEET (1.8 m)
- EACH LANE OF NON-LOCKING, PRESENCE DETECTION AND EACH LANE OF A DOUBLE LEFT TURN LANE REQUIRES A SEPARATE INDUCTIVE LOOP DETECTOR AND LEAD IN CABLE.
- WHEN NON-LOCKING, PRESENCE DETECTION IS USED, MORE THAN ONE LOOP PER LANE IS REQUIRED BEHIND THE STOP BAR (I.e. 1-1/2, 1-3/4, 2).
- WHEN SYSTEM LOOPS ARE REQUIRED ON AN APPROACH OF AN INTERSECTION, THE LOOPS USED FOR VOLUME DENSITY AND INTERSECTION TIMING SHALL ALSO BE USED AS SYSTEM DETECTORS. EACH ONE OF THESE TYPE OF LOOPS REQUIRES A SEPARATE TWO CONDUCTOR NO. 14 TWISTED SHIELDED CABLE AND A SEPARATE INDUCTIVE LOOP DETECTOR WHEN NEW CONTROLLERS ARE UTILIZED. THE DESIGNER SHALL LABEL THESE TYPES OF LOOPS AS "INTERSECTION AND SAMPLING (SYSTEM) DETECTORS" ON THE SIGNAL LAYOUT, THE INTERCONNECT PLAN AND THE SYSTEM CABLE PLAN. WHEN AN EXISTING CONTROLLER IS UTILIZED FOR THIS TYPE OF DETECTION, THE PAY ITEM "INDUCTIVE LOOP DETECTOR WITH SYSTEM OUTPUT" SHOULD BE USED.

PLACEMENT OF DETECTORS

THE FOLLOWING FIGURES REPRESENT THE MOST COMMON DETECTOR LOOP LOCATIONS AND SIZES. ADJUSTMENTS WILL BE NECESSARY FOR SPECIFIC GEOMETRIC CONSIDERATIONS.

LOCATIONS AND DEMENSIONS OF DETECTOR LOOPS ARE REQUIRED ON ALL SIGNAL LAYOUT PLAN SHEETS.

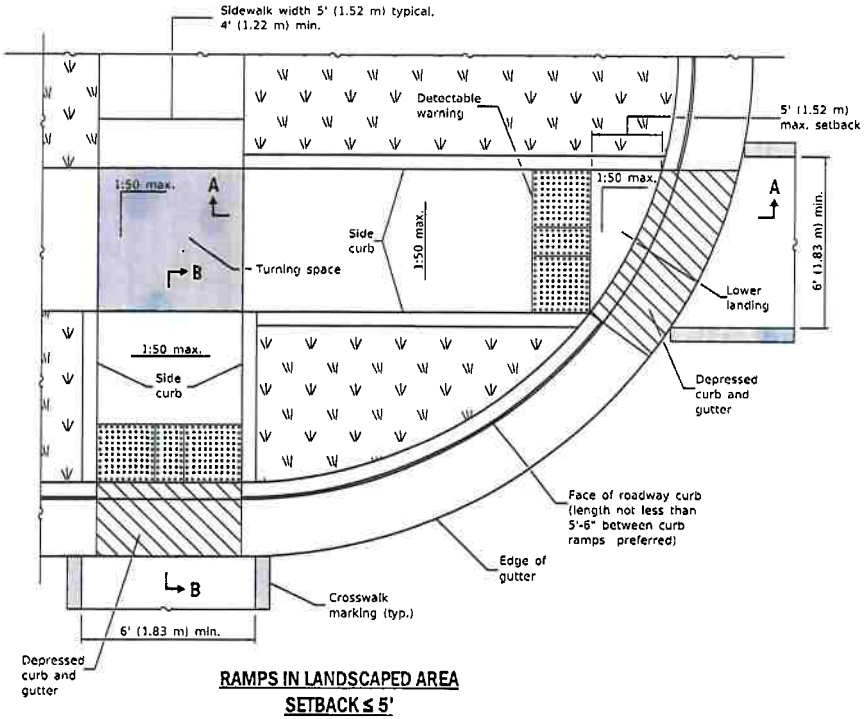
"FAR OUT" DETECTION REFERS TO LOCKING, PRESENCE TYPE DETECTION LOCATED IN THRU LANES, RIGHT TURN LANES, AND RIGHT TURN LANE TAPER AREAS (IF APPLICABLE), USUALLY 250' (75 m) IN ADVANCE OF STOP BARS. "UPTIGHT" DETECTION REFERS TO NON-LOCKING PRESENCE TYPE DETECTION LOCATED IN ALL LANES AND 10'-15' (3.0 m-4.5 m) BEHIND THE CROSSING STREET'S EDGE OF PAVEMENT EXTENDED.

NOTE:

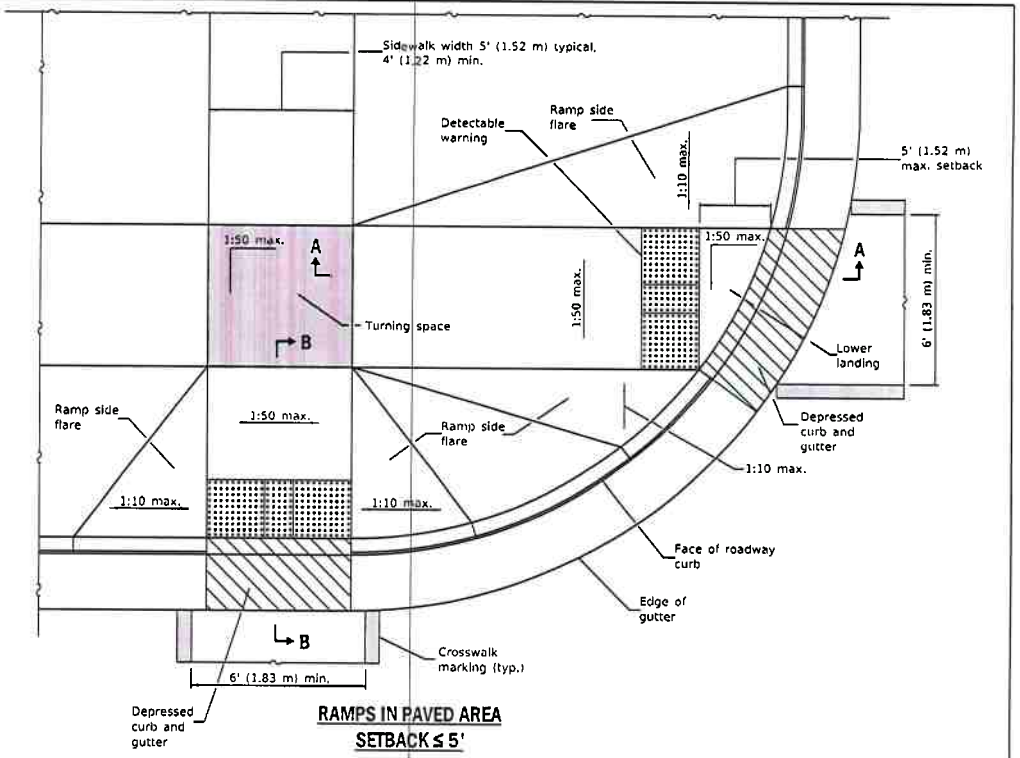
ALL DETAILS AND NOTES SHOWN ARE FROM THE I.D.O.T. DISTRICT 1 TRAFFIC SIGNAL DESIGN GUIDELINES DATED JANUARY 1995

THIS DRAWING HAS BEEN PREPARED TO ASSIST THE RESIDENT ENGINEER FOR ALL ROADWAY RESURFACING OR S.M.A.R.T. PROJECTS WHERE THE DIMENSIONS ARE NOT SHOWN ON THE PLANS AND THE FINAL LOCATIONS FOR CROSSWALKS OR STOP BARS ARE NOT DETERMINED.

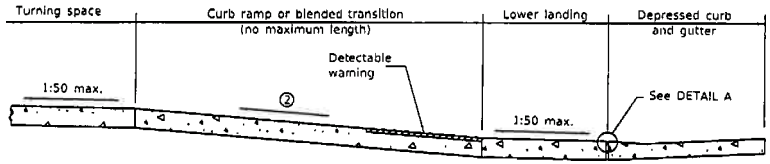
FILE NAME =	USER NAME =	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT 1 – DETECTOR LOOP INSTALLATION DETAILS FOR ROADWAY RESURFACING	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE =	DRAWN -	REVISED -				TS-07	CONTRACT NO.		
	PLOT DATE = 1/4/2008	CHECKED - R.K.F.	REVISED -		SCALE: NONE / SHEET NO. 1 OF 1 SHEETS / STA. TO STA.		FED. ROAD DIST. NO. 1 / ILLINOIS / FED. AID PROJECT			
		DATE -	REVISED -							



RAMPS IN LANDSCAPED AREA
SETBACK ≤ 5'

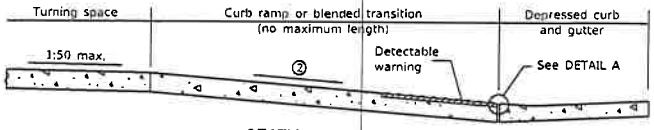


RAMPS IN PAVED AREA
SETBACK ≤ 5'



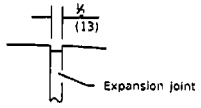
SECTION A-A

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.

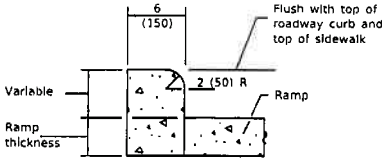


SECTION B-B

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.

Illinois Department of Transportation

PASSED January 1, 2019
ENGINEER OF POLICY AND PROCEDURES
APPROVED January 1, 2019
ENGINEER OF DESIGN AND ENVIRONMENT

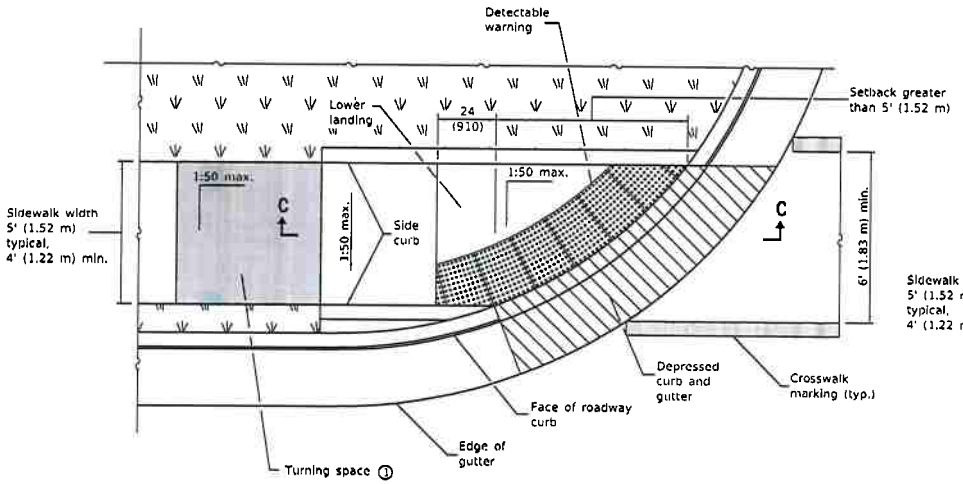
ISSUED 1-1-19

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.

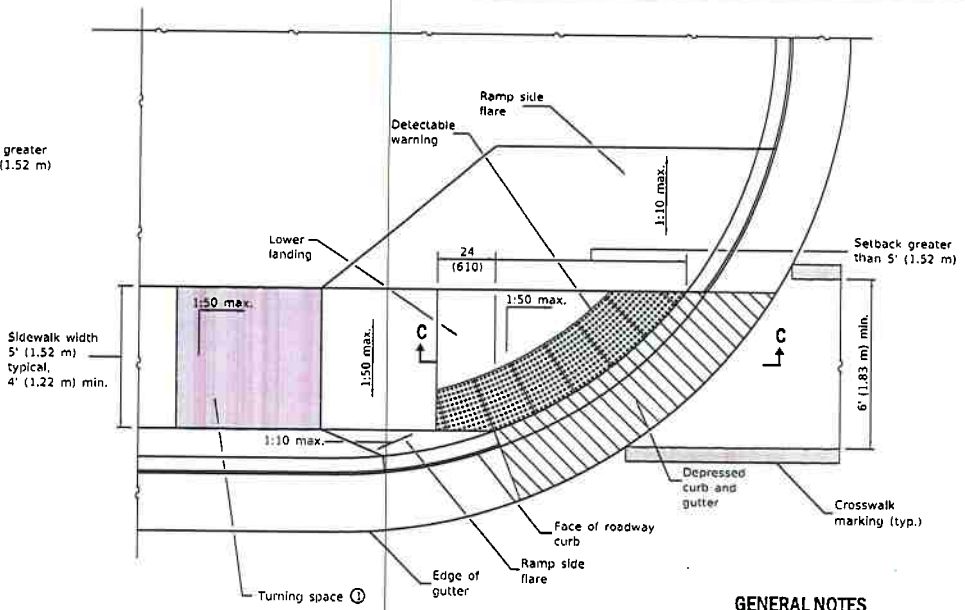
PERPENDICULAR CURB RAMPS FOR SIDEWALKS

(Sheet 1 of 2)

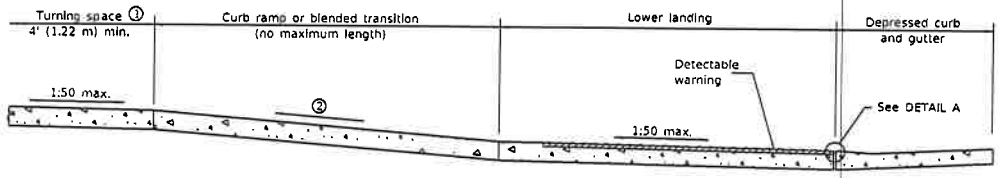
STANDARD 424001-11



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

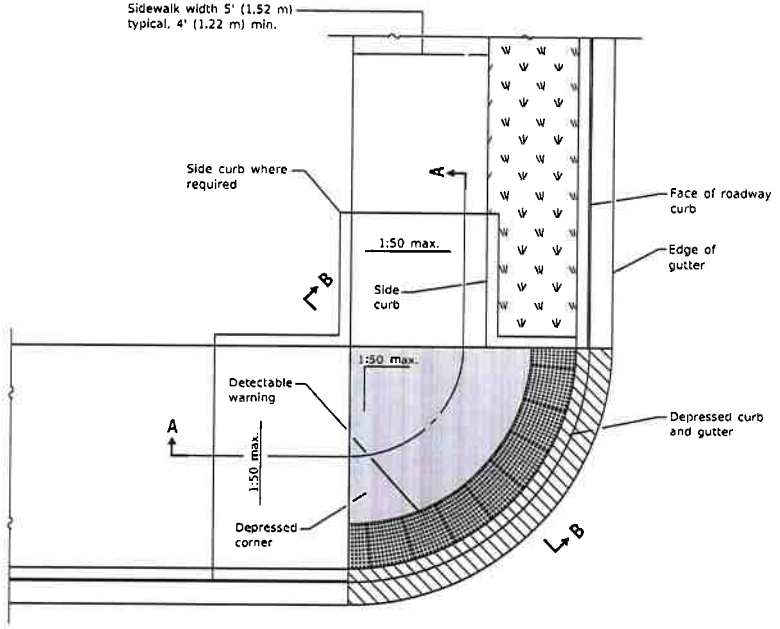
APPROVED January 1, 2019
ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-19

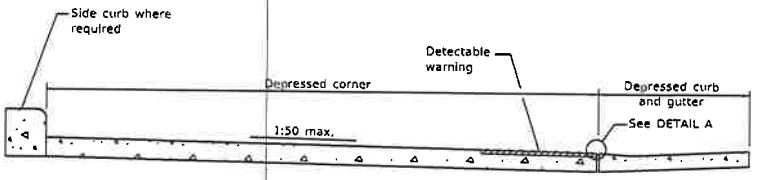
PERPENDICULAR CURB RAMPS FOR SIDEWALKS

(Sheet 2 of 2)

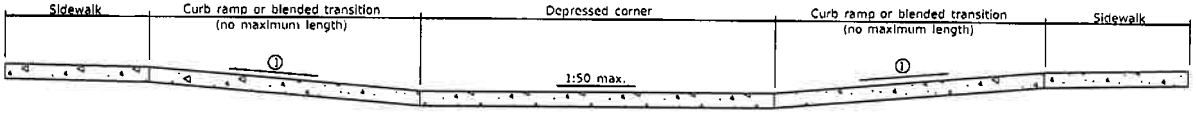
STANDARD 424001-11



DEPRESSED CORNER

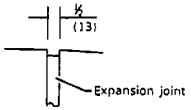


SECTION B-B

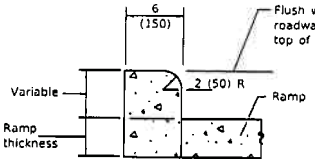


SECTION A-A

① 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

GENERAL NOTES

This standard shall only be used for curb radii of 6 ft. (1.83 m) or greater.

All slope ratios are expressed as units of vertical displacement to units of horizontal displacement (V:H).

Where 1:50 maximum slope is shown, 1:64 is preferred.

Detectable warnings are shown in their ideal tolerances 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

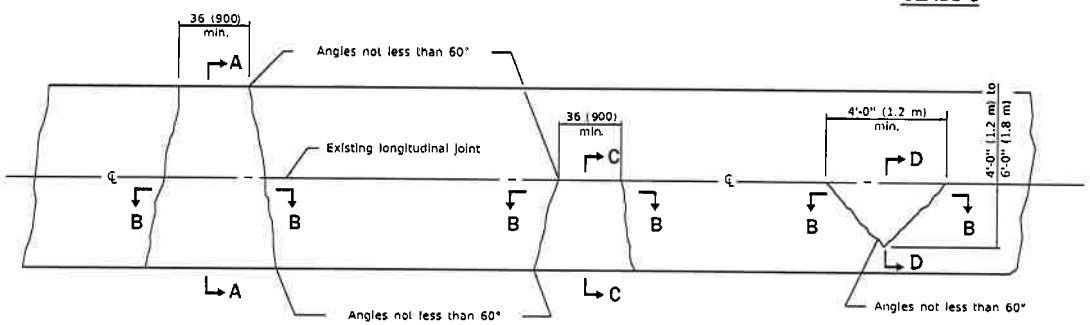
ISSUED 1-1-19

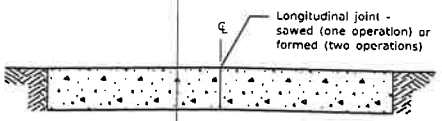
DATE	REVISIONS
1-1-19	Removed upper landings, added
	blended transition and detectable
	warning tolerances.
1-1-18	Omitted diagonal slope at
	turning spaces and upper
	landings.

DEPRESSED CORNER FOR SIDEWALKS

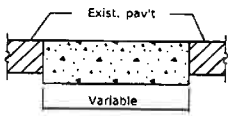
STANDARD 424021-05

CLASS C

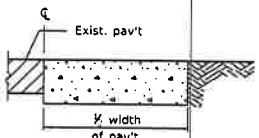




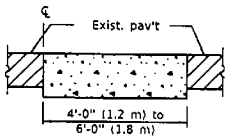
SECTION A-A



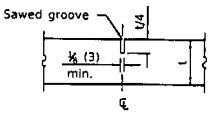
SECTION B-B



SECTION C-C



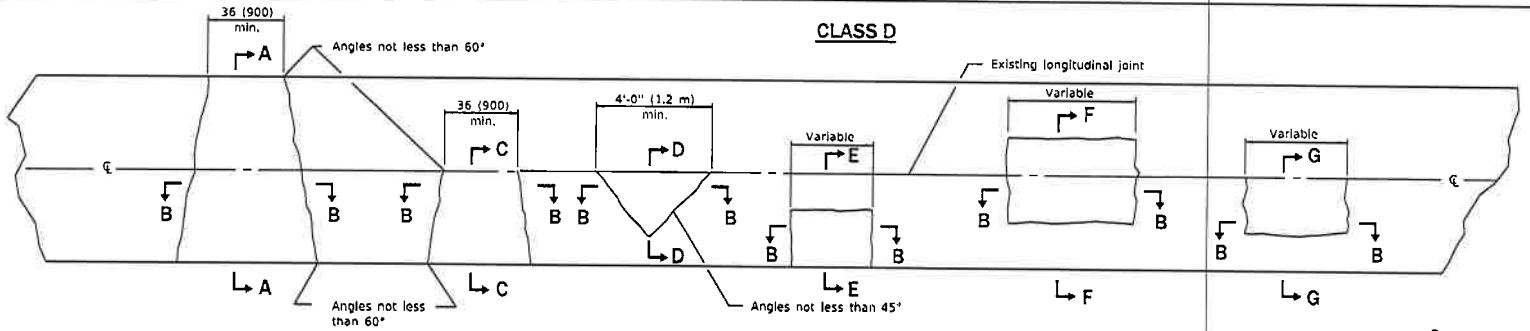
SECTION D-D

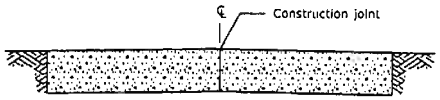


DETAIL OF SAWED CONTRACTION JOINT

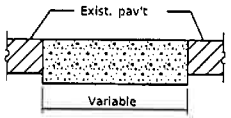
Note:
Longitudinal joints shall be as detailed on Standard 420001, except tie bars are not required for patches 20'-0" (6.0 m) or less in length.

CLASS D

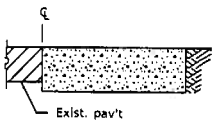




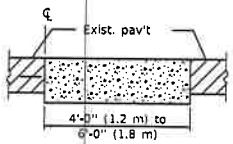
SECTION A-A
(Built in two operations)



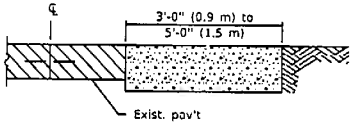
SECTION B-B



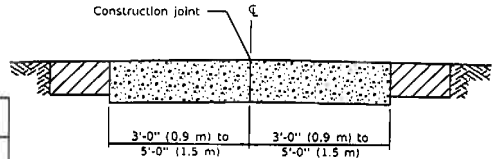
SECTION C-C



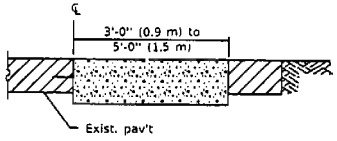
SECTION D-D



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

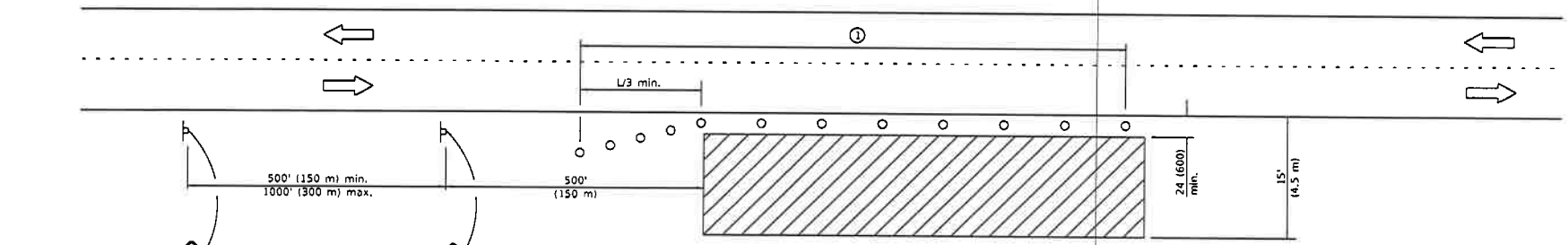
APPROVED January 1, 2008
ENGINEER OF DESIGN AND ENVIRONMENT

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



For contract construction projects

W20-1103(0)-48

W21-1(0)-48

For maintenance and utility projects

W20-1(0)-48

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

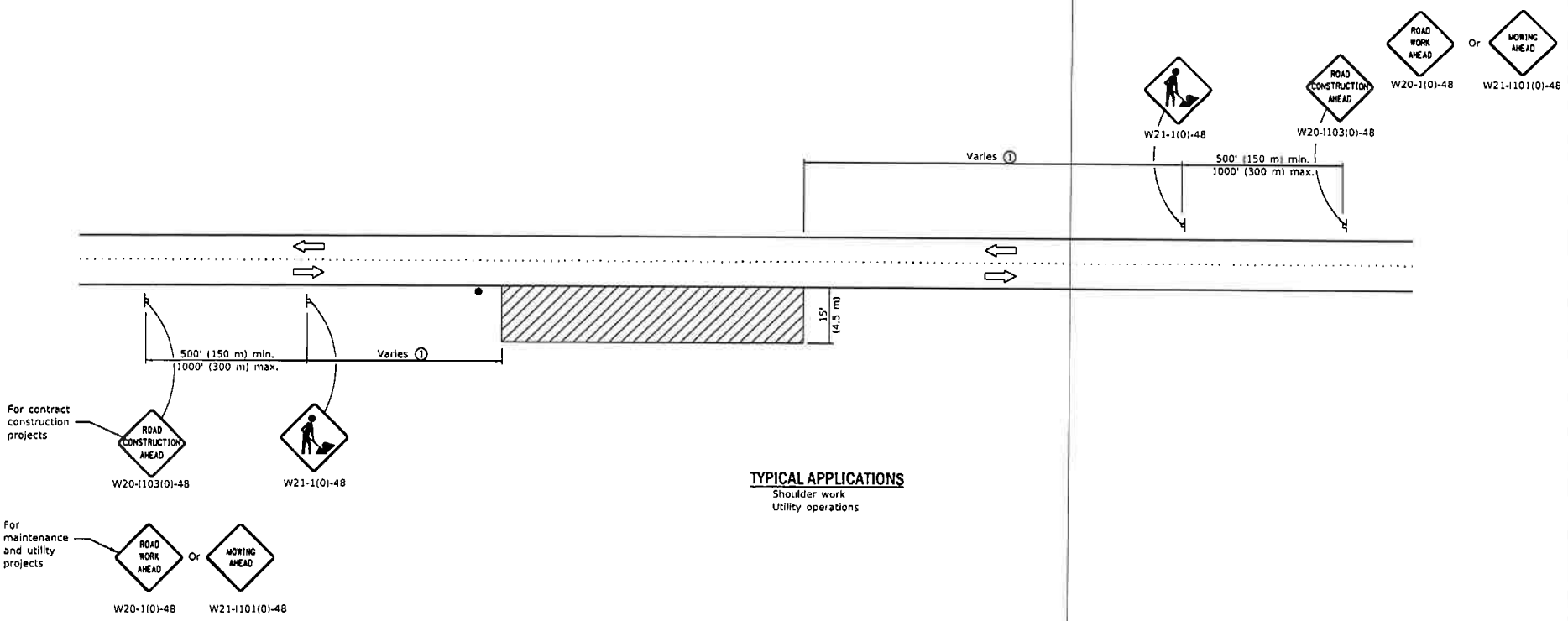
APPROVED January 1 2014
ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-97

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



TYPICAL APPLICATIONS

Shoulder work
Utility operations

① Minimum distance is 200' (60 m). Maximum distance to be determined by the Engineer but should not exceed ½ the length required for one normal working day's operation, or 4 miles (6.4 km) whichever is less.

SYMBOLS

Work area

Sign

Flagger with traffic control sign when required

GENERAL NOTES

This Standard is used where at any time, any vehicle, equipment, workers or their activities require an intermittent or continuous moving operation on the shoulder, where the average speed is 1 mph (2 km/h) or less.

When the work operation does not exceed 60 minutes, traffic control may be according to Standard 701301.

All dimensions are in inches (millimeters) unless otherwise shown.

Illinois Department of Transportation

PASSED January 1 2014
ENGINEER OF SAFETY ENGINEERING

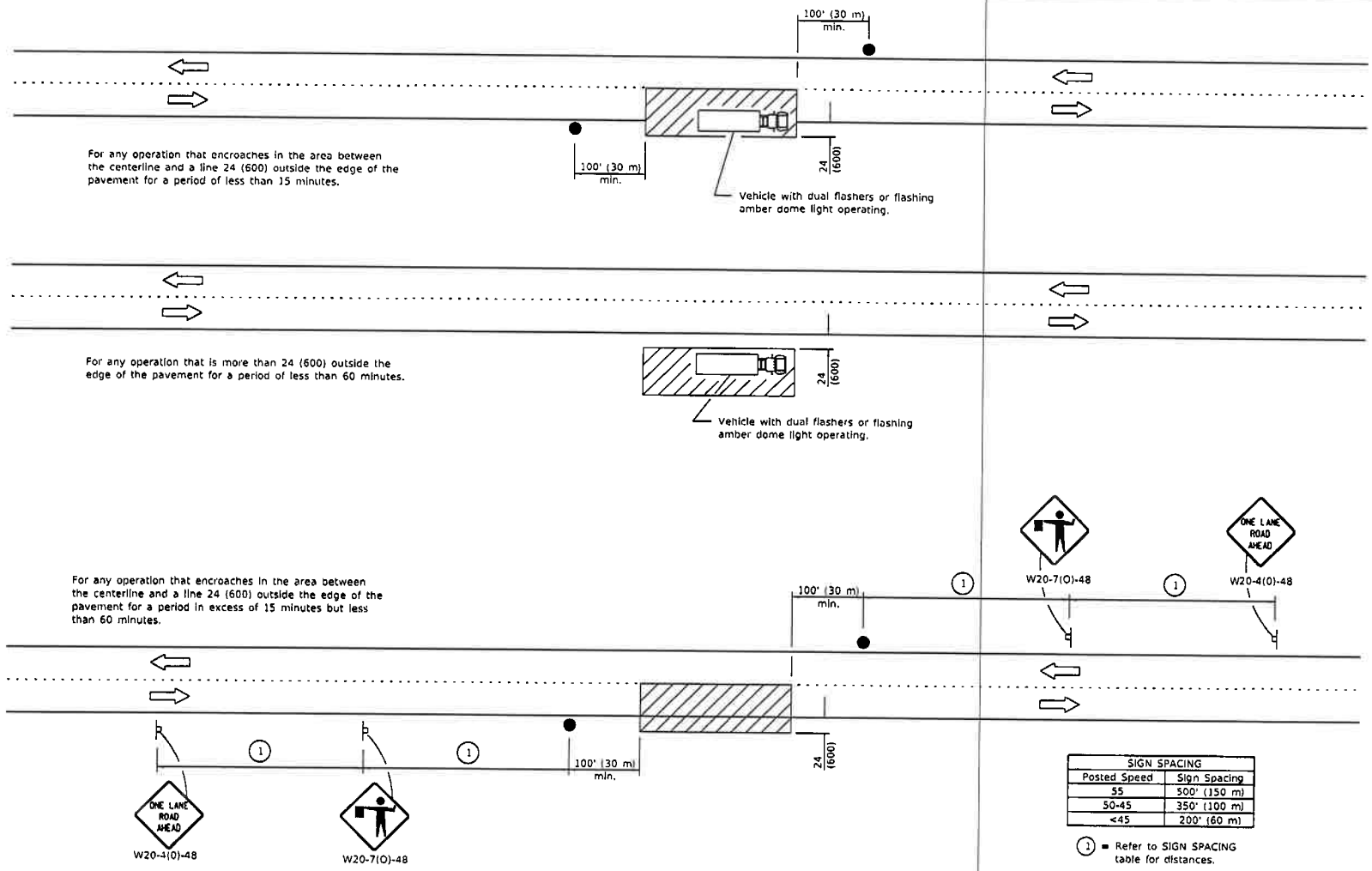
APPROVED January 1 2014
ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-97

DATE	REVISIONS
1-1-14	Revised workers sign
	number to agree with
	current MUTCD.
1-1-13	Omitted text 'WORKERS'
	sign.

OFF-RD MOVING OPERATIONS, 2L, 2W, DAY ONLY

STANDARD 701011-04



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

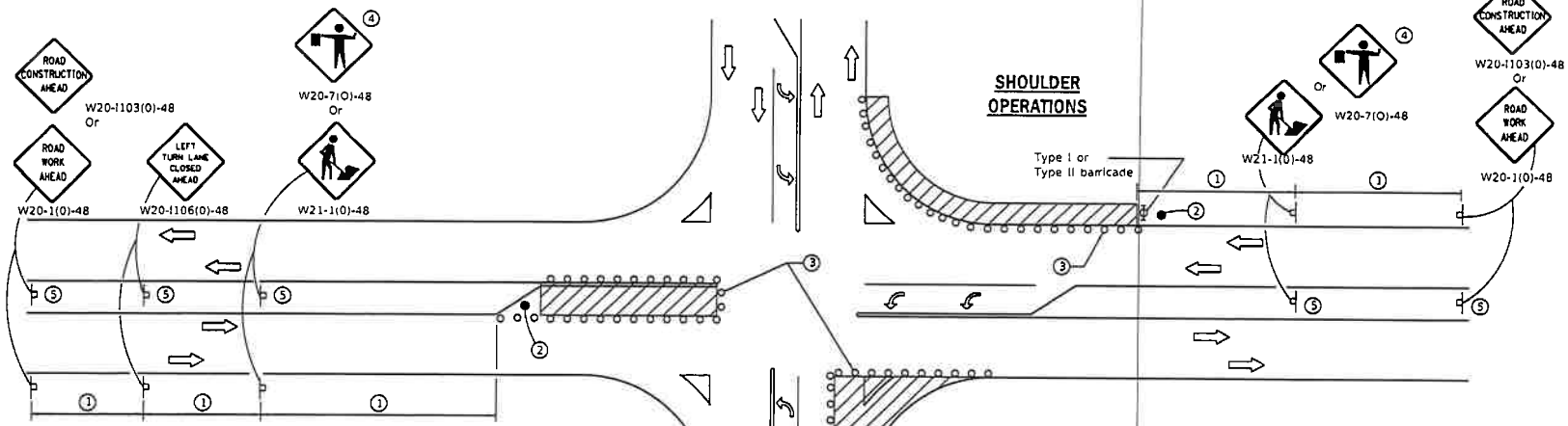
PASSED January 1 2011
ENGINEER OF SAFETY ENGINEERING
APPROVED January 1 2011
ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-11

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



LEFT TURN LANE OR CENTER MEDIAN OPERATIONS

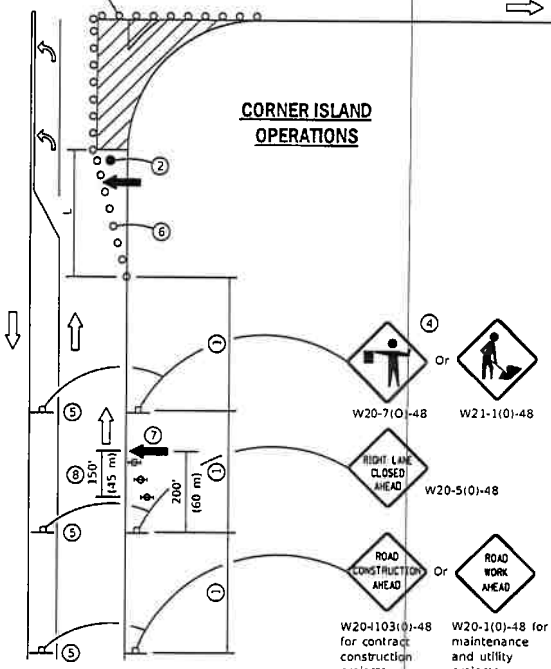
1. Refer to SIGN SPACING TABLE for distance.
2. Required for speed > 40 mph.
3. Cones at 25' (8 m) centers for 250' (75 m). Additional cones may be placed at 50' (15 m) centers. When drums or Type I or Type II barricades are used, the interval between devices may be doubled.
4. Use flagger sign only 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	(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

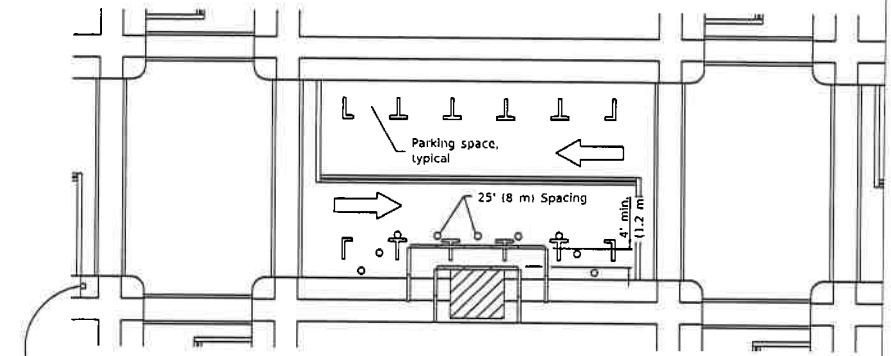
PASSED April 1, 2016
ENGINEER OF SAFETY ENGINEERING
APPROVED April 1, 2016
ENGINEER OF DESIGN AND ENVIRONMENT

BSSCRD 1-1-97

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

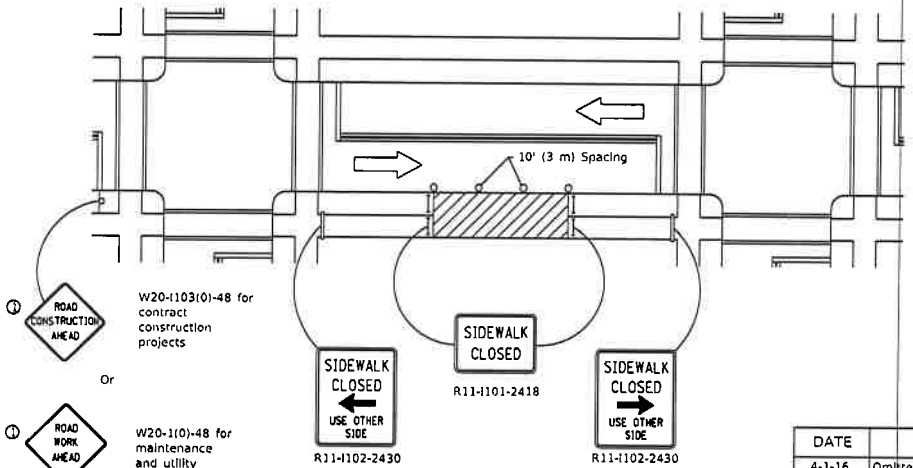
① ROAD WORK AHEAD W20-1(0)-48 for maintenance and utility projects

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

R11-I102-2430 R11-I102-2430

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

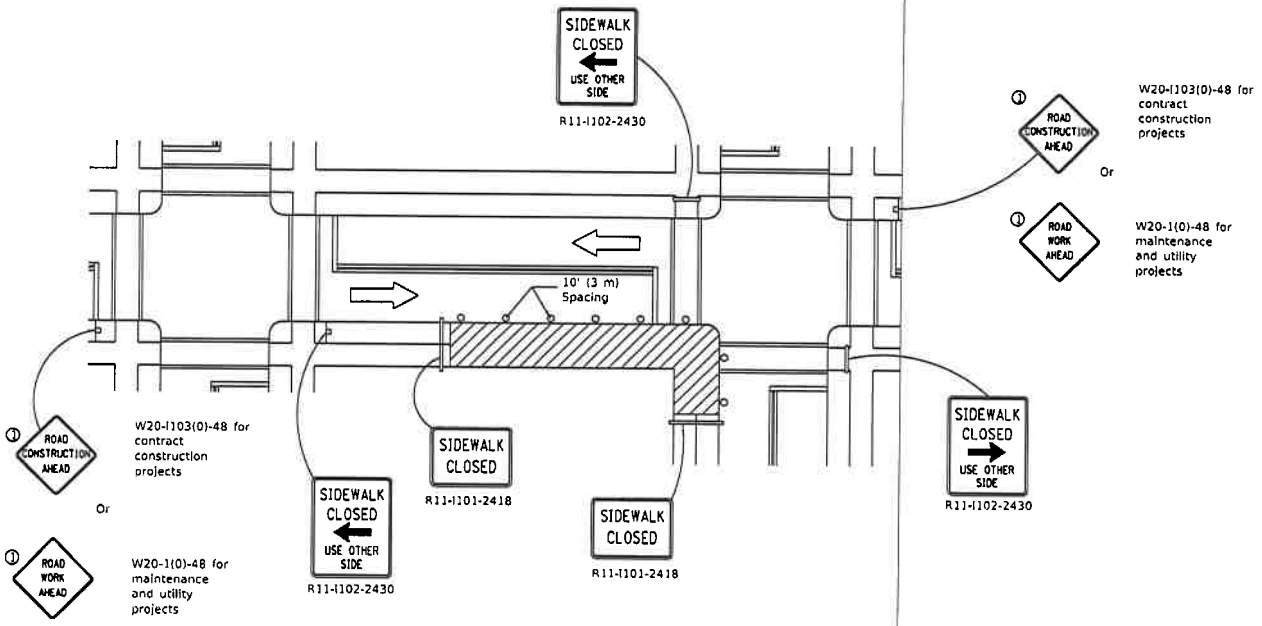
ISSUED 1-1-17

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.

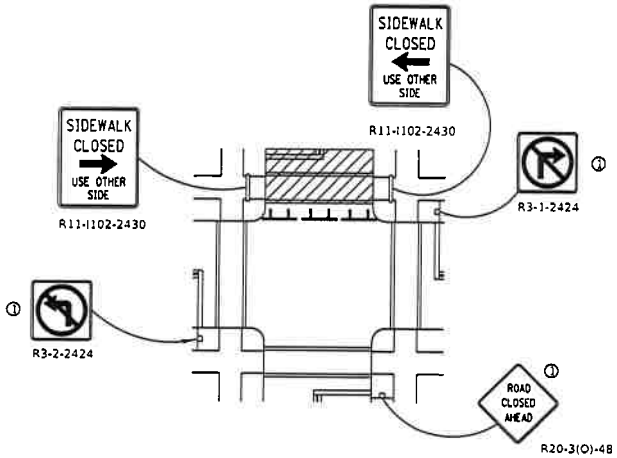
SIDEWALK, CORNER OR CROSSWALK CLOSURE

(Sheet 1 of 2)

STANDARD 701801-06



CORNER CLOSURE



CROSSWALK CLOSURE

Illinois Department of Transportation

PASSED April 1 2016
ENGINEER OF SAFETY ENGINEERING

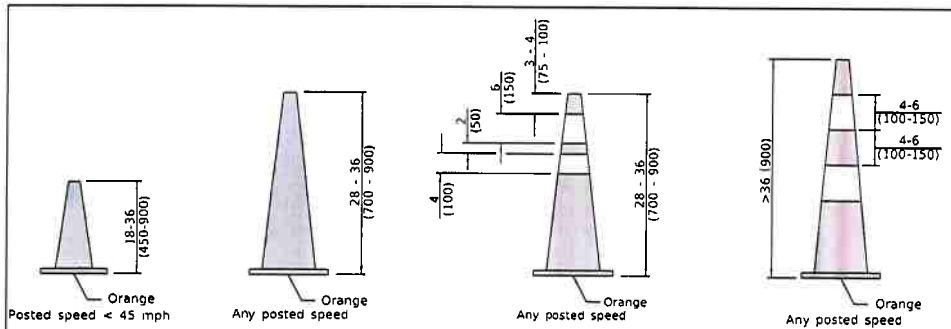
APPROVED April 1 2016
ENGINEER OF DESIGN AND ENVIRONMENT

SSSCD 1-1-17

SIDEWALK, CORNER OR CROSSWALK CLOSURE

(Sheet 2 of 2)

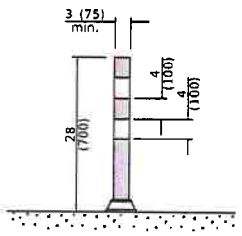
STANDARD 701801-06



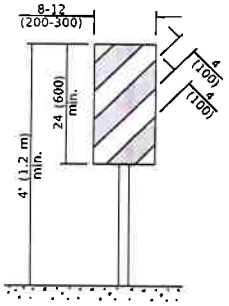
DAYTIME USE

CONES

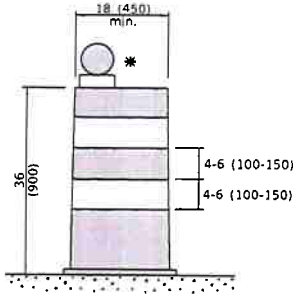
DAY OR NIGHTTIME USE



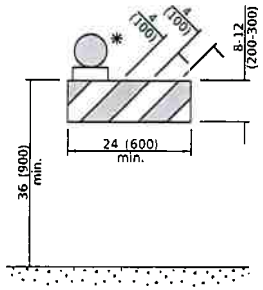
TUBULAR MARKER



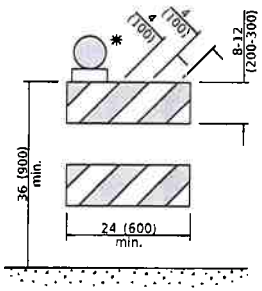
VERTICAL PANEL
POST MOUNTED



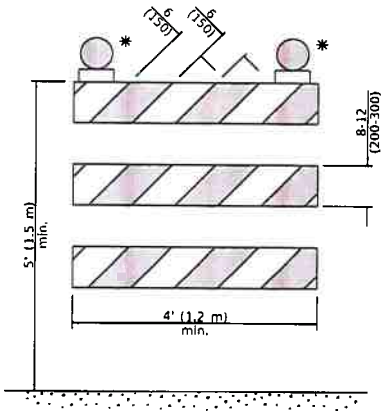
DRUM



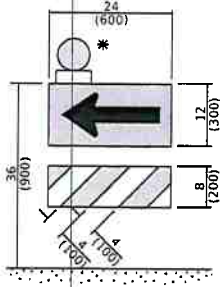
TYPE I BARRICADE



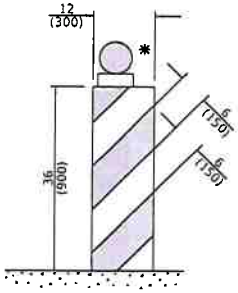
TYPE II BARRICADE



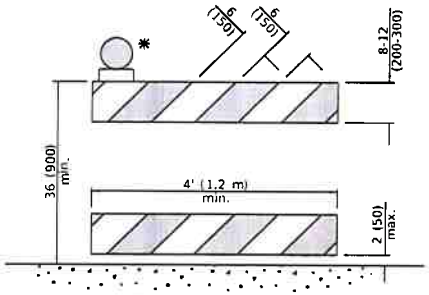
TYPE III BARRICADE



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

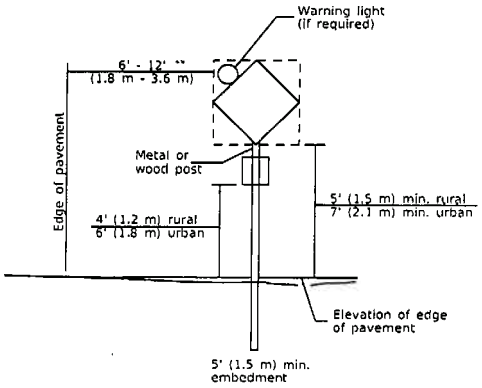
ISSUED 1-1-19

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

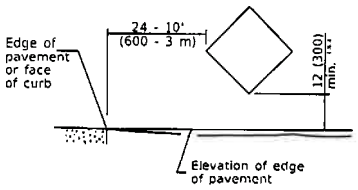
(Sheet 1 of 3)

STANDARD 701901-08



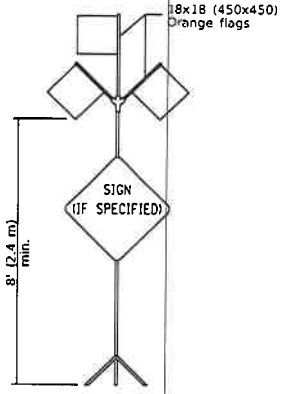
POST MOUNTED SIGNS

** 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.

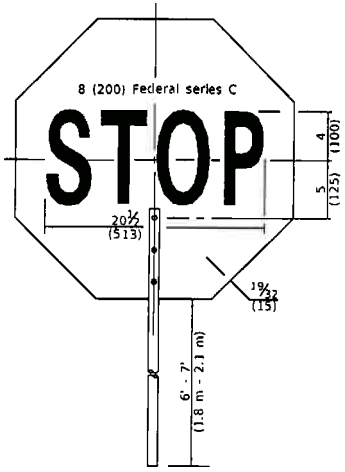


HIGH LEVEL WARNING DEVICE

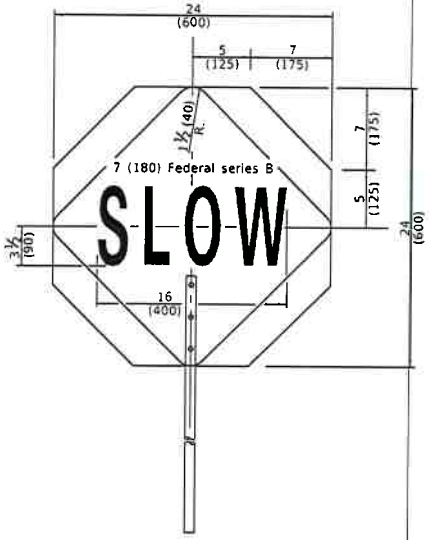
W12-I103-4848

WIDTH RESTRICTION SIGN

XX'-XX" width and X miles are variable.

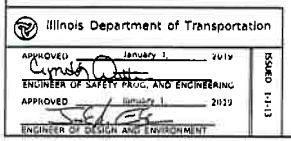


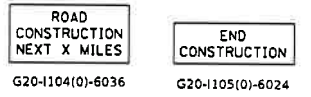
FRONT SIDE



REVERSE SIDE

FLAGGER TRAFFIC CONTROL SIGN





G20-I104(0)-6036 G20-I105(0)-6024

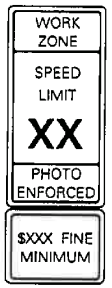
This signing is required for all projects 2 miles (3200 m) or more in length.

ROAD CONSTRUCTION NEXT X MILES sign shall be placed 500' (150 m) in advance of project limits.

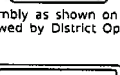
END CONSTRUCTION sign shall be erected at the end of the job unless another job is within 2 miles (3200 m).

Dual sign displays shall be utilized on multi-lane highways.

WORK LIMIT SIGNING

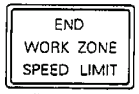


W21-I115(0)-3618
R2-1-3648
R10-I108p-3618 ***



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.

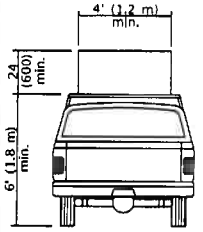
HIGHWAY CONSTRUCTION SPEED ZONE SIGNS

*** R10-I108p shall only be used along roadways under the jurisdiction of the State.

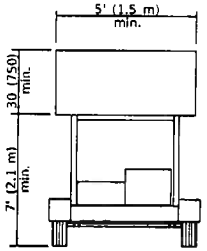
TRAFFIC CONTROL DEVICES

(Sheet 2 of 3)

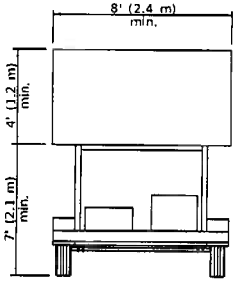
STANDARD 701901-08



TYPE A
ROOF
MOUNTED

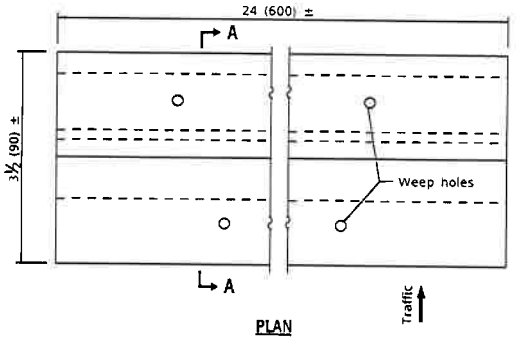


TYPE B
ROOF OR TRAILER
MOUNTED

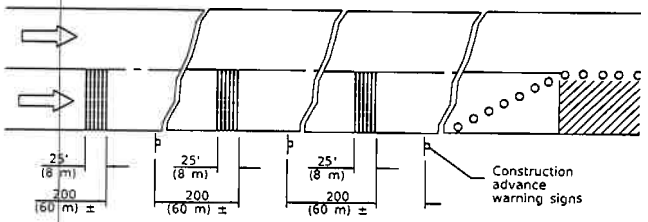


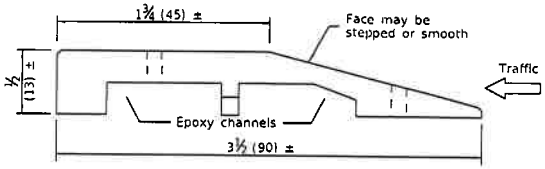
TYPE C
TRAILER
MOUNTED

ARROW BOARDS

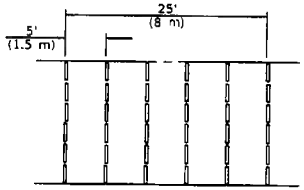


PLAN



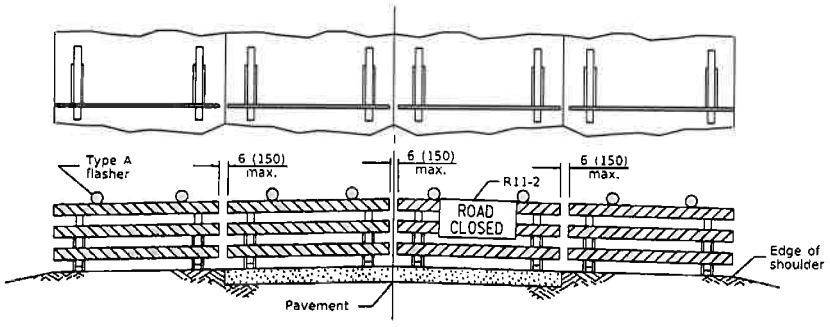


SECTION A-A



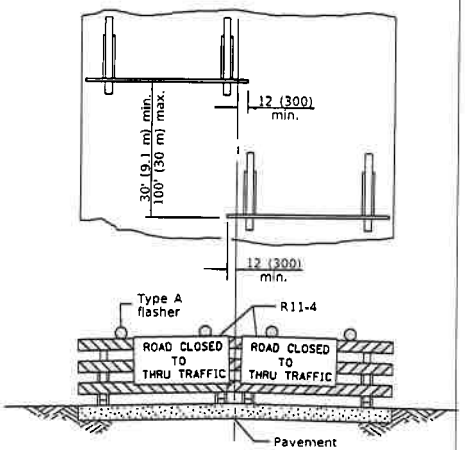
TYPICAL INSTALLATION

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 1-1-19

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**

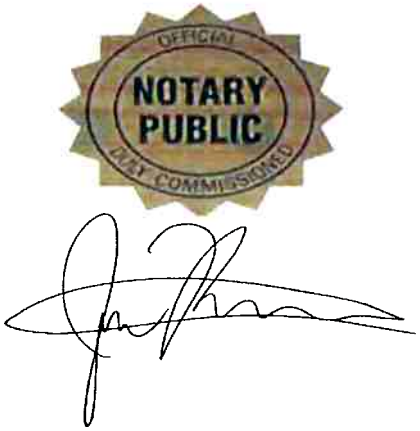
Kyle Johnson
Civil Engineer II
Village of Buffalo Grove
51 Raupp Blvd.
Buffalo Grove, IL 60089

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

Village of Buffalo Grove

2019 Construction Pay Estimate Schedule

Schedule A

Cut-Off Date	Quantities to Contractor	Pay Estimate to GHA	Pay Estimate to Village	Village Board Meeting
Friday, January 4, 2019	Monday, January 7, 2019	Thursday, January 10, 2019	Monday, January 14, 2019	Tuesday, January 22, 2019
Friday, February 1, 2019	Monday, February 4, 2019	Thursday, February 7, 2019	Monday, February 11, 2019	Tuesday, February 19, 2019
Friday, March 1, 2019	Monday, March 4, 2019	Thursday, March 7, 2019	Monday, March 11, 2019	Monday, March 18, 2019
Friday, March 29, 2019	Monday, April 1, 2019	Thursday, April 4, 2019	Monday, April 8, 2019	Monday, April 15, 2019
Friday, May 3, 2019	Monday, May 6, 2019	Thursday, May 9, 2019	Monday, May 13, 2019	Monday, May 20, 2019
Friday, May 31, 2019	Monday, June 3, 2019	Thursday, June 6, 2019	Monday, June 10, 2019	Monday, June 17, 2019
Friday, June 21, 2019	Friday, June 28, 2019	Wednesday, July 3, 2019	Monday, July 8, 2019	Monday, July 15, 2019
Friday, August 2, 2019	Monday, August 5, 2019	Thursday, August 8, 2019	Monday, August 12, 2019	Monday, August 19, 2019
Friday, August 30, 2019	Friday, August 30, 2019	Thursday, September 5, 2019	Monday, September 9, 2019	Monday, September 16, 2019
Friday, September 27, 2019	Friday, October 4, 2019	Tuesday, October 8, 2019	Friday, October 11, 2019	Monday, October 21, 2019
Friday, October 18, 2019	Monday, October 21, 2019	Thursday, October 24, 2019	Monday, October 28, 2019	Monday, November 4, 2019
Friday, November 15, 2019	Monday, November 18, 2019	Thursday, November 21, 2019	Monday, November 25, 2019	Monday, December 2, 2019
Friday, November 29, 2019	Monday, December 2, 2019	Thursday, December 5, 2019	Monday, December 9, 2019	Monday, December 16, 2019

Note:

1. Dates are subject to change.
2. No payment will be released until all certified payroll, waivers, and material inspections are collected.
3. It is up to the Contractor and Engineer to agree to a pay estimate before submitting an invoice. Failure to do so may result in that pay period being missed.

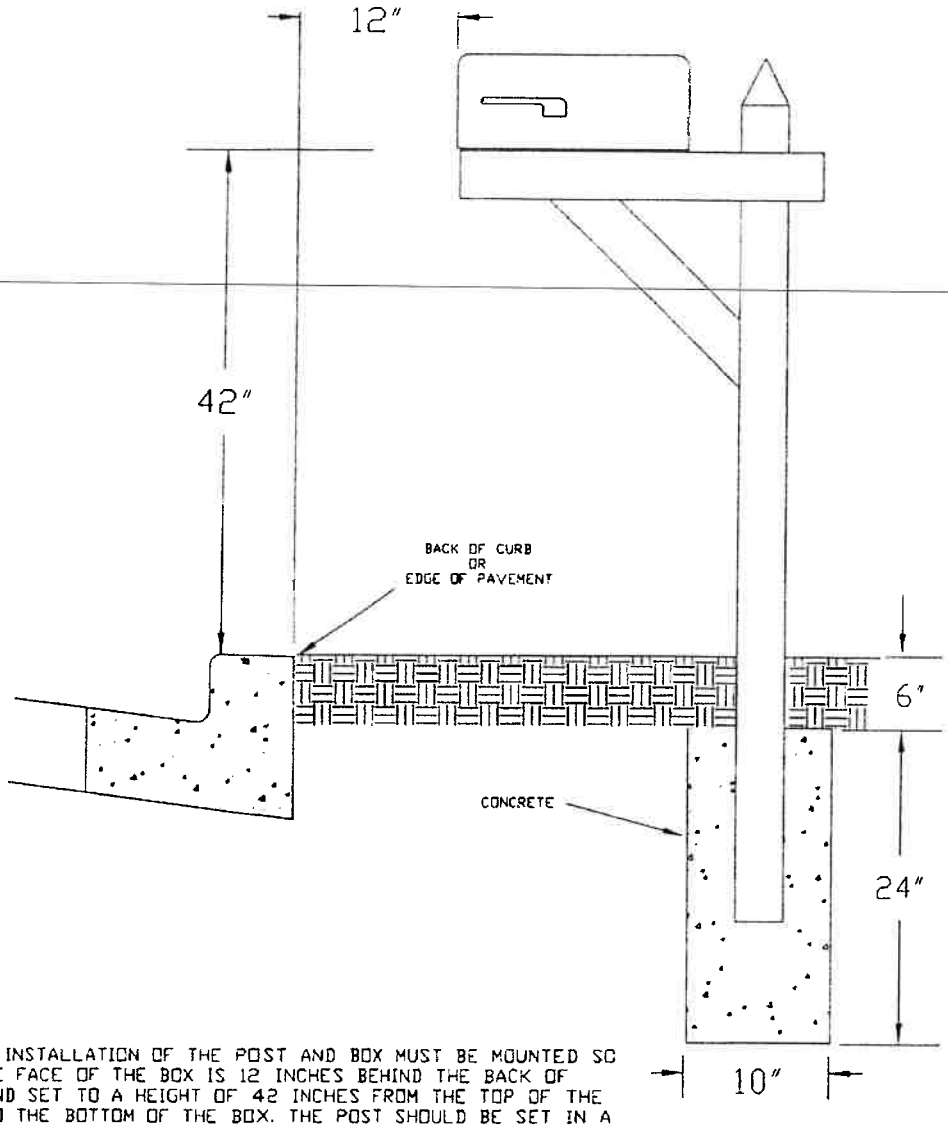
TEMPORARY
NO PARKING

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.



THE INSTALLATION OF THE POST AND BOX MUST BE MOUNTED SO THE THE FACE OF THE BOX IS 12 INCHES BEHIND THE BACK OF CURB AND SET TO A HEIGHT OF 42 INCHES FROM THE TOP OF THE CURB TO THE BOTTOM OF THE BOX. THE POST SHOULD BE SET IN A HOLE 10 INCHES IN DIAMETER AND 30 INCHES DEEP.

CONCRETE SHOULD BE PLACED AROUND THE POST AND UP TO 6 INCHES FROM THE FINISHED SURFACE.

THE MATERIAL USED FOR THE POST SHALL BE A 4" X 4" PRESSURE TREATED POST OR 1 1/2" I.D. MINIMUM TO A 2" I.D. MAXIMUM STEEL OR ALUMINUM POST, MAXIMUM WALL THICKNESS 0.154".

MAILBOX INSTALLATION

G:\ENGINEER\FORMS\MAILBOX\INSTALLATION.DWG

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

Bureau of Land • 1021 North Grand Avenue East • P.O. Box 19276 • Springfield • Illinois • 62794-9276

Source Site Certification by Owner or Operator for Use of Uncontaminated Soil as Fill in a CCDD or Uncontaminated Soil Fill Operation LPC-662 Revised in accordance with 35 Ill. Adm. Code 1100, as amended by PCB R2012-009 (eff. Aug. 27, 2012)

This certification form is to be used by source site owners and operators to certify, pursuant to 35 Ill. Adm. Code 1100.205(a)(1)(A), that soil (i) was removed from a site that is not potentially impacted property and is presumed to be uncontaminated soil and (ii) is within a pH range of 6.25 to 9.0. If you have questions about this form, please telephone the Bureau of Land Permit Section at 217/524-3300.

This form may be completed online, saved locally, printed and signed, and submitted to prospective clean construction or demolition debris fill operations or uncontaminated soil fill operations.

I. Source Location Information

(Describe the location of the source of the uncontaminated soil)

Project Name: Ronnie & Caren Drive Street Resurfacing Office Phone Number, if available:

Physical Site Location (Street, Road): Ronnie & Caren Drive near Thompson Boulevard

City: Buffalo Grove State: IL Zip Code: 60089

County: Lake Township: Vernon

Lat/Long of approximate center of site in decimal degrees (DD.ddddd) to five decimal places (e.g., 40.67890, -90.12345):

Latitude: 42.178057 (Decimal Degrees) Longitude: -87.968497 (-Decimal Degrees)

Identify how the lat/long data were determined:

☐ GPS ☒ Map Interpolation ☐ Photo Interpolation ☐ Survey ☐ Other

IEPA Site Number(s), if assigned: BOL: BOW: BOA:

II. Owner/Operator Information for Source Site

Site Owner		Site Operator	
Name:	Village Of Buffalo Grove	Name:	
Street Address:	51 Raupp Boulevard	Street Address:	
PO Box:		PO Box:	
City:	Buffalo Grove	City:	
State:	IL	State:	
Zip Code:	60089	Zip Code:	
Phone:	847-459-2523	Phone:	
Contact:	Kyle E. Johnson	Contact:	
Email, if available:	KJohnson@vbg.org	Email, if available:	

Project Name: Ronnie & Caren Drive Street Resurfacing

Latitude: 42.178057 Longitude: -87.968497

(Decimal Degrees) (-Decimal Degrees)

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: 35

No potentially impacted properties (PIPs) were identified through the limited historical and regulatory review of the Site (see attached ERIS reports). True North collected six (6) soil samples for pH analysis from representative locations at the site which supports this certification. Figures, laboratory analysis report and laboratory certification are attached.

*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: 18

Six (6) representative soil samples were collected from the site and indicated that the soil pH is within the acceptable range. The soil pH for sample CAR-1 was 8.5, CAR-2 was 8.1, CAR-3 was 8.1, CAR-4 was 8.5, RON-1 was 8.7, and RON-2 was 8.6.

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 Michael Reynolds, Public Works Director (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.

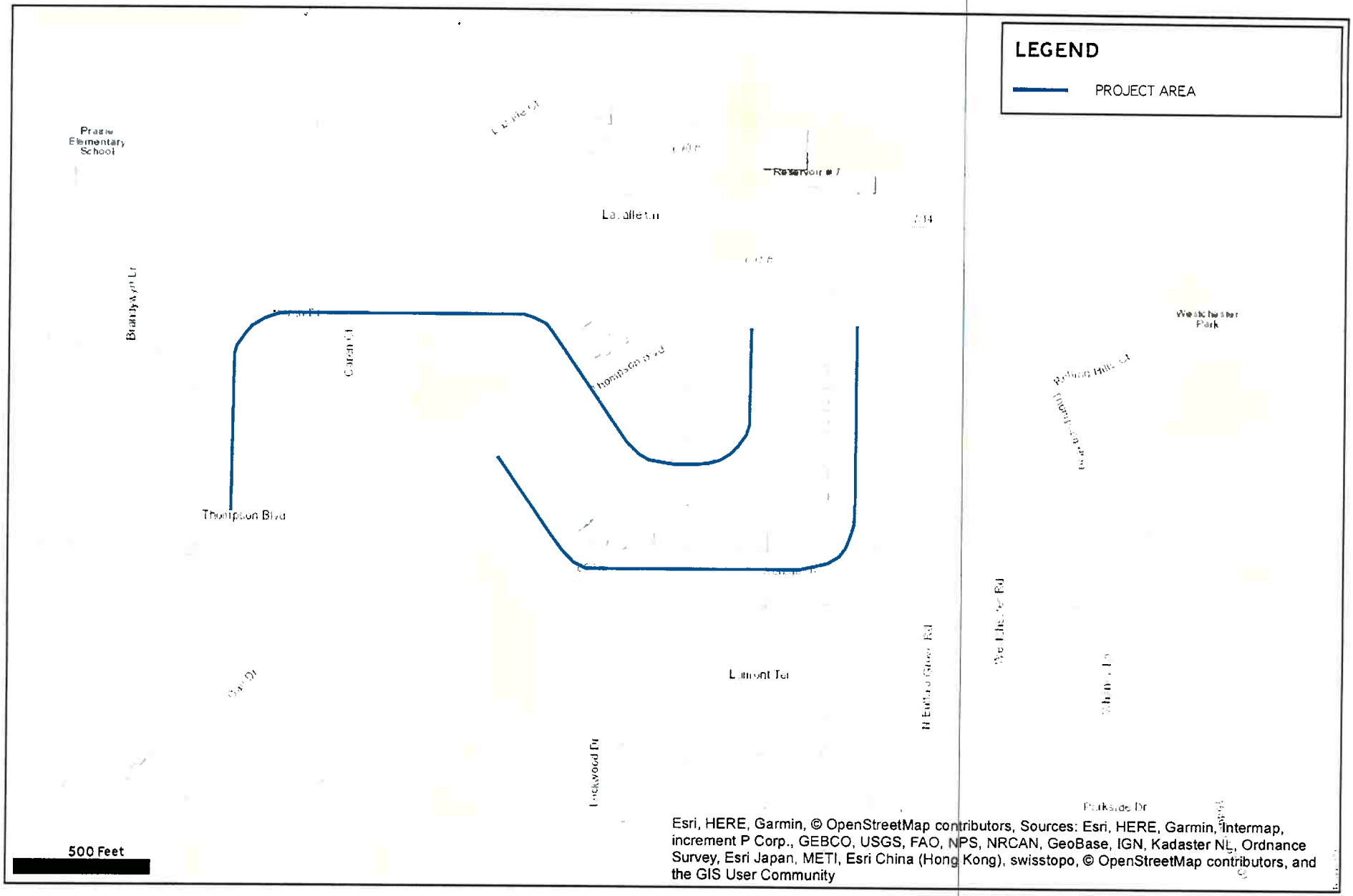
Any person who knowingly makes a false, fictitious, or fraudulent material statement, orally or in writing, to the Illinois EPA commits a Class 4 felony. A second or subsequent offense after conviction is a Class 3 felony. (415 ILCS 5/44(h))

- ○ Owner
- ○ Operator
- ◉ Owner's Duly Authorized Representative
- ○ Operator's Duly Authorized Representative

Michael Reynolds, Public Works Director
Printed Name

Michael Reynolds
Signature

12/20/18
Date



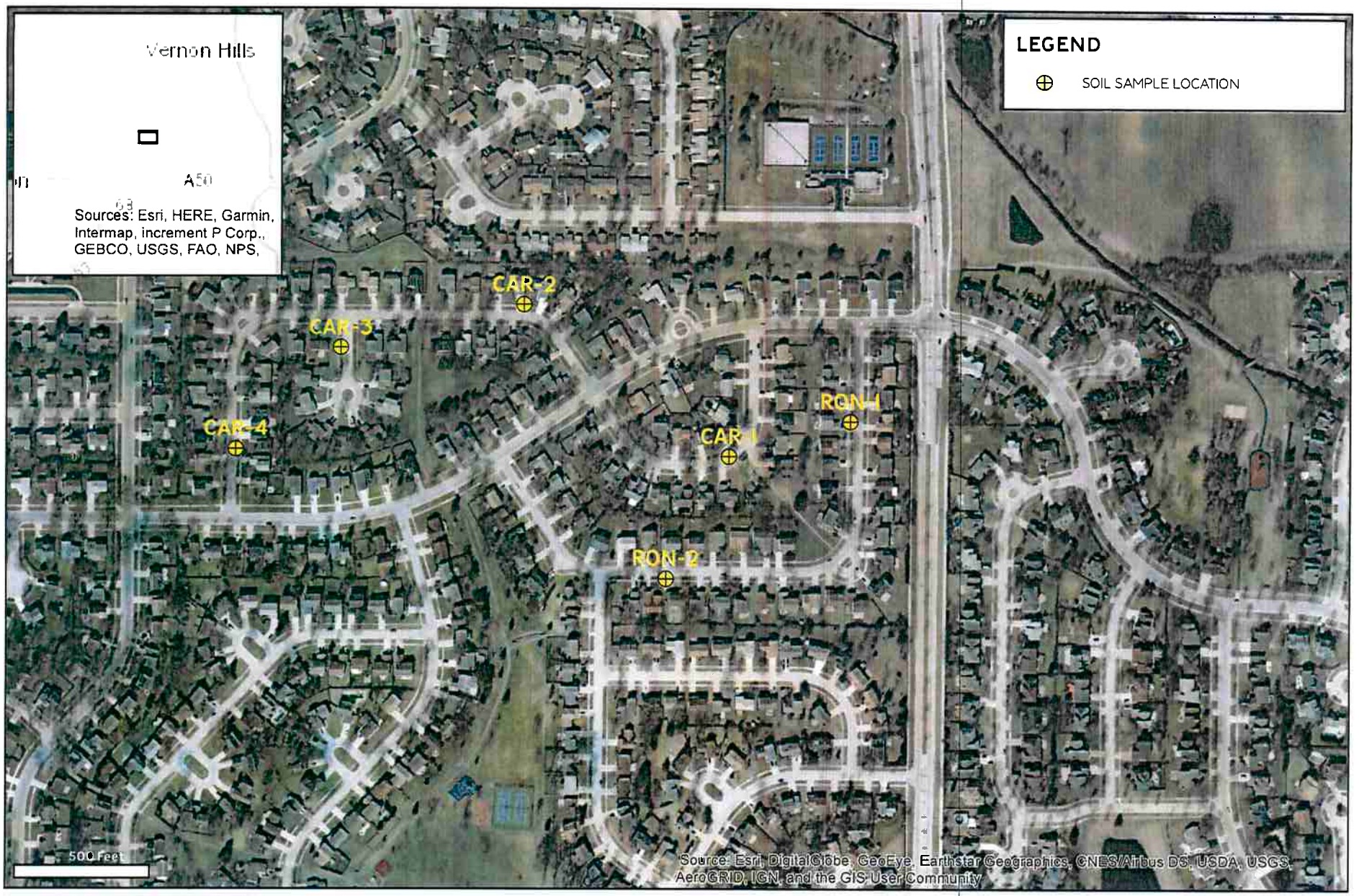
TRUENORTH CONSULTANTS
1000 EAST WARRENVILLE ROAD
NAPERVILLE, ILLINOIS 60563
ENVIRONMENT DEVELOPMENT INFRASTRUCTURE

SITE
CAREN DRIVE AND RONNIE DRIVE
BUFFALO GROVE, ILLINOIS

CLIENT
VILLAGE OF BUFFALO GROVE
51 RAUPP BOULEVARD
BUFFALO GROVE, ILLINOIS

PROJECT	TII8806
DATE	12/17/2018
SCALE	1 inch=500 feet

FIGURE 1



TRUENORTH CONSULTANTS
1000 EAST WARRENVILLE ROAD
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PROJECT TII8806
DATE 12/17/2018
SCALE 1 inch=500 feet

FIGURE 2

PDC Laboratories, Inc.

Monday, December 17, 2018

Leslie Schroeder
True North Consultants
1000 East Warrenville Rd. #140
Naperville, IL 60563
TEL: (630) 717-2880
FAX: (630) 689-5881

RE: Ronnie & Caren Drive, Buffalo Grove PDC WO: 18L0221

PDC Laboratories, Inc. received 6 sample(s) on 12/11/2018 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

PDC Laboratories, Inc. **Date:** 12/17/2018

LABORATORY RESULTS

Client: True North Consultants
Project: Ronnie & Caren Drive, Buffalo Grove **Lab Order:** 18L0221
Client Sample ID: RON-1 **Lab ID:** 18L0221-01
Collection Date: 12/11/18 9:40 **Matrix:** Solid

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Conventional Chemistry Parameters									
*pH	**8.7**	0.010		pH Units	1	12/14/18 9:15	12/14/18 14:32	SW9045C R3	KSH

Client Sample ID: RON-2 **Lab ID:** 18L0221-02
Collection Date: 12/11/18 9:50 **Matrix:** Solid

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Conventional Chemistry Parameters									
*pH	**8.6**	0.010		pH Units	1	12/14/18 9:15	12/14/18 14:32	SW9045C R3	KSH

Client Sample ID: CAR-1 **Lab ID:** 18L0221-03
Collection Date: 12/11/18 10:00 **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	12/14/18 9:15	12/14/18 14:32	SW9045C R3	KSH

Client Sample ID: CAR-2 **Lab ID:** 18L0221-04
Collection Date: 12/11/18 10:10 **Matrix:** Solid

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Conventional Chemistry Parameters									
*pH	**8.1**	0.010		pH Units	1	12/14/18 9:15	12/14/18 14:32	SW9045C R3	KSH

Client Sample ID: CAR-3 **Lab ID:** 18L0221-05
Collection Date: 12/11/18 10:20 **Matrix:** Solid

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Conventional Chemistry Parameters									
*pH	**8.1**	0.010		pH Units	1	12/14/18 9:15	12/14/18 14:32	SW9045C R3	KSH

Client Sample ID: CAR-4 **Lab ID:** 18L0221-06
Collection Date: 12/11/18 10:30 **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	12/14/18 9:15	12/14/18 14:32	SW9045C R3	KSH

PDC Laboratories, Inc. **Date:** 12/17/2018

LABORATORY RESULTS

Client: True North Consultants
Project: Ronnie & Caren Drive, Buffalo Grove **Lab Order:** 18L0221

Conventional Chemistry Parameters - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B006188 - SW 9045C pH										
Duplicate (B006188-DUP1)		**Source: 18L0070-02**		Prepared & Analyzed: 12/14/201						
pH	8.3	0.010	pH Units		8.2			0.08	5	

PDC Laboratories, Inc. **Date:** 12/17/2018

LABORATORY RESULTS

Client: True North Consultants
Project: Ronnie & Caren Drive, Buffalo Grove **Lab Order:** 18L0221

Notes and Definitions

*	NELAC certified compound.
U	Analyte not detected (i.e. less than RL or MDL).

Chain of Custody Record

Phone (847)-851-2600
FAX (847) 455-9680

PDC Laboratories, Inc.
9114 Virginia Road Suite 112
Lake in the Hills, IL 60156

Client	True North Consultants
Address	1000 East Warrenville Road, Suite 140
City, State, Zip Code	Naperville, Illinois 60563
Phone / Facsimile	630.717.2680/630.689.5881
Project Name / Number	Ronnie & Caren Drive, Buffalo Grove
Project Location	Ronnie & Caren Drive near Biffalo Grove Road
P.O. # or Invoice To	T118806
Contact Person	L.Schroeder, D. Mihalich, I Johnson, M. Kupczyk, M. Jawad, J. Reed

Analytes and/or Method Requested: pH

Reporting: QC/QD ■ MAC; CALM ☐ A ☐ B ☐ C ☐ D ☐ E ☐ F; RISC ☐ Resid ☐ Indust

Sample Description	Sampling Date	Sampling Time	Matrix Code	Preserv Code	No. of Containers	Sample Type Comp	Sample Type Grab	pH	Sampler Comments
RON-1	12/11/2018	0940	S	0	1		X	X	
RON-2	12/11/2018	0950	S	0	1		X	X	
CAR-1	12/11/2018	1000	S	0	1		X	X	
CAR-2	12/11/2018	1010	S	0	1		X	X	
CAR-3	12/11/2018	1020	S	0	1		X	X	
CAR-4	12/11/2018	1030	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
	12/11/18	1435		12/11/18	1435	
	12/11/18	1700				
				12-12-18	10:35	UPS

Special Instructions

Turnaround Time: Standard ■ Rush ☐ Date Required

QC Level: ☐ 2 ■ 3 ☐ 4

On ice? ☐ Yes ☐ No

Temperature (°C): 3.1

Copies: White - Client / Yellow - PAS, Inc. / Pink - Sample

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

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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

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FOT Name: Drinking Water, Organic

Matrix Type: Potable Water

Method: USEPA524.2R4.1

- 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

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FOT Name: Non Potable Water, Inorganic

Matrix Type: NPW/SCM

Chloride
Nitrate
Nitrite
Sulfate

Method: SM4110B,2000

Bromide
Fluoride
Nitrate-Nitrite (as N)
Orthophosphate (as P)

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

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)

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

Total Kjeldahl Nitrogen

Phosphorus

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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

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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

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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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FOT Name: Solid and Chemical Materials, Inorganic

Method: 6020A

Matrix Type: NPW/SCM

Calcium
Cobalt
Iron
Magnesium
Mercury
Nickel
Selenium
Sodium
Vanadium

Cadmium
Chromium
Copper
Lead
Manganese
Molybdenum
Potassium
Silver
Thallium
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)

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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

PDC- Springfield
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Springfield, IL 62707-8413

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

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

State of Illinois
Environmental Protection Agency

Certificate No.: 004302

Awards the Certificate of Approval

PDC- Springfield
1210 Capital Airport Drive
Springfield, IL 62707-8413

FOT Name: Solid and Chemical Materials, Organic

Matrix Type: NPW/SCM

Isophorone
Nitrobenzene
N-Nitrosodi-n-propylamine
o-Cresol (2-Methylphenol)
Pentachlorophenol
Phenol

Method: 8270C

Indeno(1,2,3-cd) pyrene
Naphthalene
N-Nitrosodimethylamine
N-Nitrosodiphenylamine
p-Cresol (4-Methylphenol)
Phenanthrene
Pyrene

Method: 8270C Mod_Farm Chemicals

Matrix Type: NPW/SCM

Acetochlor
Atrazine
Chlorpyrifos
EPTC
Metribuzin
Prometon
Terbufos

Alachlor
Butylate
Cyanazine
Metolachlor
Pendimethalin
Simazine
Trifluralin

Method: 8321B

Matrix Type: NPW/SCM

2,4,5-T
2,4-D
Aldicarb (Temik)
Dalapon
Dinoseb
MCPP

2,4,5-TP (Silvex)
2,4-DB
Carbofuran (Furaden)
Dicamba
MCPA
Oxamyl

ENVIRONMENTAL RISK INFORMATION SERVICES

DATABASE REPORT

Project Property:	*Ronnie & Caren Dr. Soil Assessment* *457 Caren* *Buffalo Grove IL 60089*
Project No:	*TNC: T18-734*
Report Type:	*Screen Report Plus*
Order No:	*20181203128*
Requested by:	*Bluff City Materials, Inc*
Date Completed:	*December 3, 2018*

Environmental Risk information Services
A division of Glacier Media Inc.
P: 1.866.517.5204
E: info@erisinfo.com

www.erisinfo.com

Table of Contents

Executive Summary

Property Information:

Project Property:		*Ronnie & Caren Dr. Soil Assessment* *457 Caren Buffalo Grove IL 60089*
Project No:		*TNC: T18-734*
Coordinates:		
	Latitude:	*42.177728*
	Longitude:	*-87.969295*
	UTM Northing:	*4,669,964.19*
	UTM Easting:	*419,948.69*
	UTM Zone:	*UTM Zone 16T*
Elevation:		*685 FT*

Order Information:

Order No:	*20181203128*
Date Requested:	*December 3, 2018*
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	1	1

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	3	3

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	ESSENCE PAINTING AND RESTORATION INC	651 THOMPSON BLVD. BUFFALO GROVE IL 60089	WSW	0.16 / 869.81	1	13
1	ICIS	ESSENCE PAINTING AND RESTORATION INC	651 THOMPSON BLVD. BUFFALO GROVE IL 60089	WSW	0.16 / 869.81	1	13
2	FINDS/FRS	BUFFALO GROVE, VILLAGE OF	400 LASALLE LN BUFFALO GROVE IL 60089	ENE	0.23 / 1,222.77	-3	14

Executive Summary: Summary by Data Source

Non Standard

Federal

FINDS/FRS - Facility Registry Service/Facility Index

A search of the FINDS/FRS database, dated Apr 17, 2018 has found that there are 2 FINDS/FRS site(s) within approximately 0.02 miles of the project property.

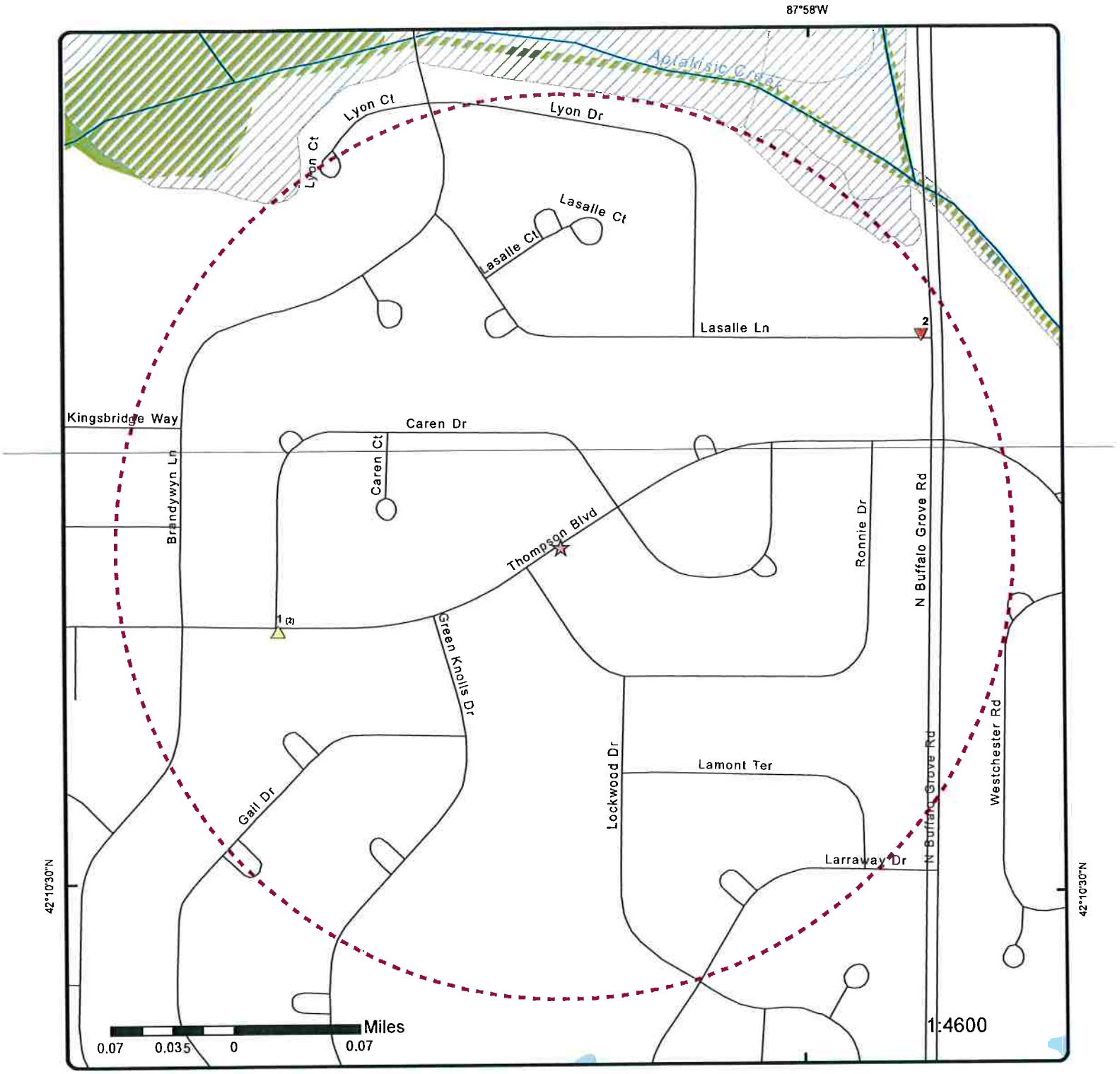
Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
ESSENCE PAINTING AND RESTORATION INC	651 THOMPSON BLVD. BUFFALO GROVE IL 60089	WSW	0.16 / 869.81	1

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
BUFFALO GROVE, VILLAGE OF	400 LASALLE LN BUFFALO GROVE IL 60089	ENE	0.23 / 1,222.77	2

ICIS - Integrated Compliance Information System (ICIS)

A search of the ICIS database, dated Nov 18, 2016 has found that there are 1 ICIS site(s) within approximately 0.02 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
ESSENCE PAINTING AND RESTORATION INC	651 THOMPSON BLVD. BUFFALO GROVE IL 60089	WSW	0.16 / 869.81	1



Map : 0.25 Mile Radius

Order No: 20181203128

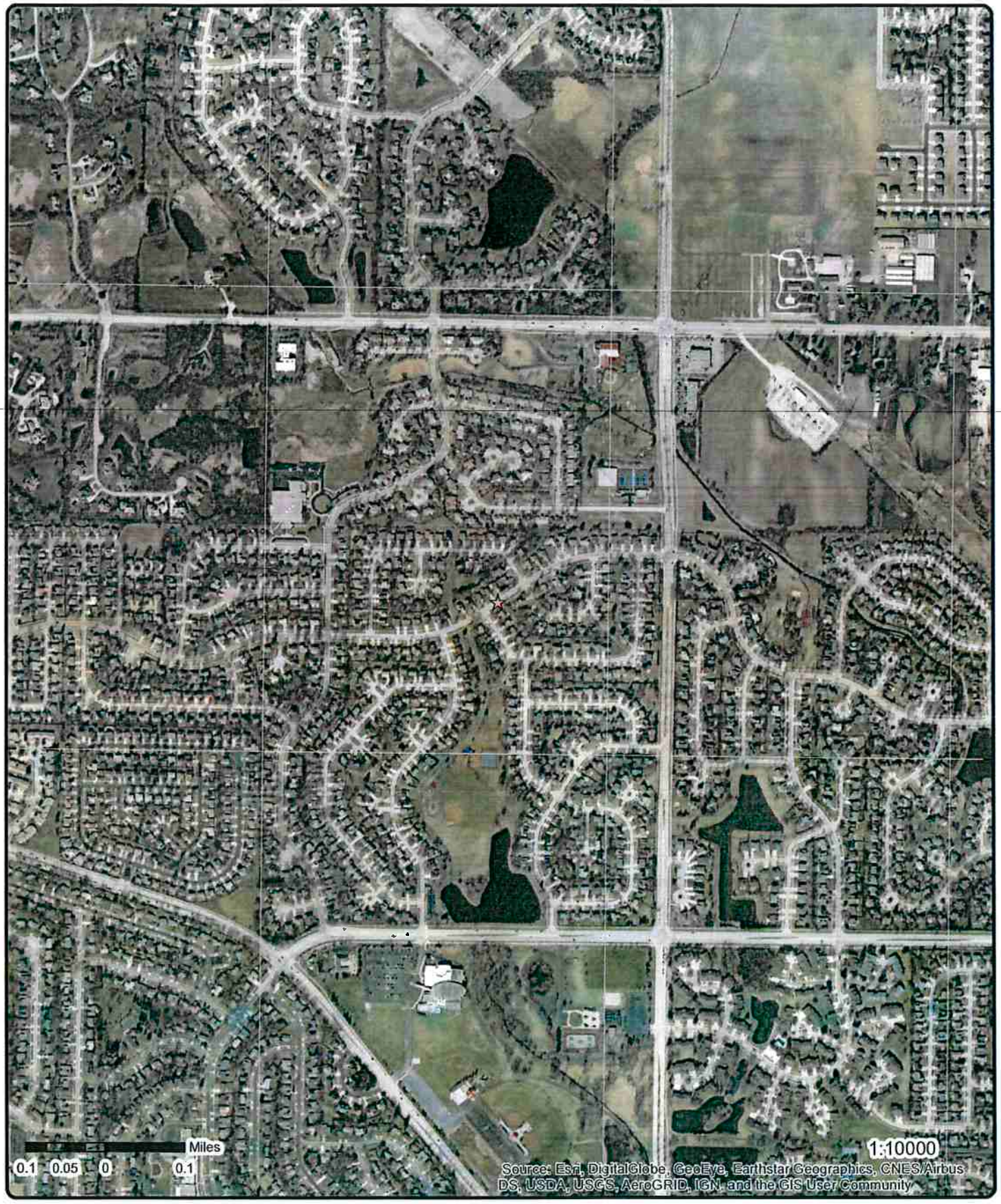
Address: 457 Caren, Buffalo Grove, IL 60089 US

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		

Source: © 2016 ESRI

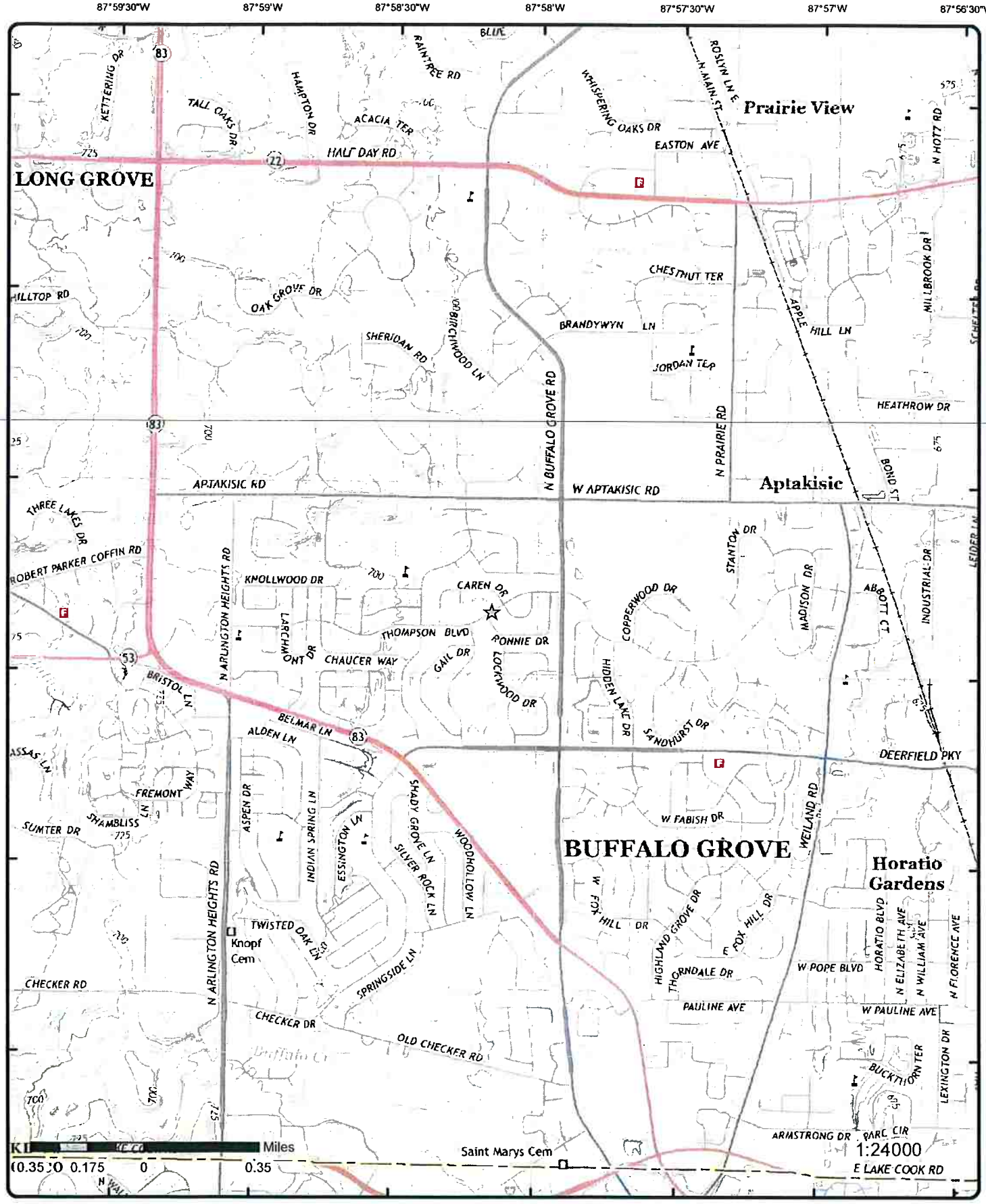


Aerial (2017)

Order No: 20181203128

Address: 457 Caren, Buffalo Grove, IL 60089 US

Source: ESRI World Imagery



Topographic Map (2015)

Address: 457 Caren, Buffalo Grove, IL 60089 US

Quadrangle(s): Wheeling,IL

Source: USGS Topographic Map

Order No: 20181203128

ERIS ENVIRONMENTAL RISK INFORMATION SERVICES

Detail Report

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
1	1 of 2	WSW	0.16 / 869.81	686.39 / 1	ESSENCE PAINTING AND RESTORATION INC 651 THOMPSON BLVD. BUFFALO GROVE IL 60089	FINDS/FRS

Registry ID:	110055227543
FIPS Code:	
Program Acronyms:	ICIS
HUC Code:	07120004
Site Type Name:	STATIONARY
Location Description:	
Supplemental Location:	
Create Date:	13-JUN-2013 13:26:18
Update Date:	03-MAY-2015 21:41:24
Interest Types:	ENFORCEMENT/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:	170978645182000
EPA Region Code:	05
County Name:	LAKE
US/Mexico Border Ind:	
Latitude:	42.17706
Longitude:	-87.97238
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=110055227543

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
1	2 of 2	WSW	0.16 / 869.81	686.39 / 1	ESSENCE PAINTING AND RESTORATION INC 651 THOMPSON BLVD. BUFFALO GROVE IL 60089	ICIS

EPA Region:	05	**Federal Facility ID:**	
FRS Facility UIN:	110055227543	**Tribal Land Code:**	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Program Syst ID:	3400026536	**County:**	Lake
Prog Sys Acrnym:	ICIS	**Latitude:**	42.17706
Permit Type:		**Longitude:**	-87.97236

--Details--

EA Identifier:		**Enf Act Forum Dsc:**	
EA Type Code:		**Fac NAICS Code:**	
EA Type Desc:		**Facility SIC Code:**	
EA Name:			

2	1 of 1	ENE	0.23 / 1,222.77	682.54 / -3	**BUFFALO GROVE, VILLAGE OF** **400 LASALLE LN** **BUFFALO GROVE IL 60089**	FINDS/FRS

Registry ID:	110018167302
FIPS Code:	17097
Program Acronyms:	ACES
HUC Code:	07120004
Site Type Name:	STATIONARY
Location Description:	
Supplemental Location:	
Create Date:	19-OCT-2004 08:40:17
Update Date:	17-MAR-2006 19:15:53
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:	170978645184003
EPA Region Code:	05
County Name:	LAKE
US/Mexico Border Ind:	
Latitude:	42.17939
Longitude:	-87.9653
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=110018167302

Unplottable Summary

Total: 9 Unplottable sites

DB	Company Name/Site Name	Address	City	Zip	ERIS ID
ERNS		LAMONTE	IL		806844093
ERNS		CHICAGO RIVER LASALLE ST BR TO,WOLFE POINT	IL		807236138
FINDS/FRS	ROSEGLEN SUBDIVISION	BUFFALO GROVE RD	BUFFALO GROVE IL	60089	825510240
FINDS/FRS	KNY PAINTING & DECORATING INC	20139 N BUFFALO GROVE	PRAIRIEVIEW IL	60069	815950527
FINDS/FRS	FREUND INTERNATIONAL	BUFFALO GROVE RD	BUFFALO GROVE IL	60089	817477513
FINDS/FRS	GROVE MEMORIAL CHAPEL	195 BUFFALO GROVE RD	BUFFALO GROVE IL	60089	825510673
RCRA CESQG	KNY PAINTING AND DECORATING	20139 N BUFFALO GROVE	PRAIRIE VIEW IL	60069	810691040
SPILLS2	MOBILE OIL	NEAR BUFFALO GROVE	BUFFALO GROVE IL		822438504
SPILLS2	MOBILE OIL	NEAR BUFFALO GROVE	BUFFALO GROVE IL		825138687

Unplottable Report

Site:

LAMONTE IL ERNS

NRC Report No:	515985	***Latitude Degrees:***	
Type of Incident:	VESSEL	***Latitude Minutes:***	
Incident Cause:	UNKNOWN	***Latitude Seconds:***	
Incident Date:	1/2/2000 8:50:00 PM	***Longitude Degrees:***	
Incident Location:	CITGO REFINERY	***Longitude Minutes:***	
Incident Dtg:	OCCURRED	***Longitude Seconds:***	
Distance from City:		***Lat Quad:***	
Distance Units:		***Long Quad:***	
Potential Flag:		***Location Section:***	
Year:	Year 2000 Reports	***Location Township:***	
Direction from City:		***Location Range:***	
Location County:	COOK		

Description of Incident: T/B COASTAL 2521 UPON COMMENCEMENT OF LOADING PRODUCT BEGAN SPRAYING OUT OF #5 STARBOARD TANK DOME.

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:***	0.5
Name of Material:	UNKNOWN OIL (DECANT OIL)	***Unit Reach Water:***	UNKNOWN AMOUNT
Amount of Material:	0.5		

Calls Information

Date Time Received:	1/2/2000 10:53:38 PM	***Responsible City:***	HOUSTON
Date Time Complete:	1/2/2000 11:05:17 PM	***Responsible State:***	TX
Call Type:	INC	***Responsible Zip:***	77061
Resp Company:	COASTAL TOWING INC	***Source:***	UNAVAILABLE
Resp Org Type:	PRIVATE ENTERPRISE		

Incident Information

Tank ID:		***Building ID:***	
Tank Regulated:		***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:***	
NPDES:		***Airbag Deployed:***	
NPDES Compliance:		***Transport Contain:***	
Init Contin Rel No:		***Location Subdiv:***	
Contin Rel Permit:		***Platform Rig Name:***	
Contin Release Type:		***Platform Letter:***	
Aircraft ID:		***Allision:***	
Aircraft Runway No:		***Type of Structure:***	
Aircraft Spot No:		***Structure Name:***	
Aircraft Type:	UNKNOWN	***Structure Oper:***	
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:		*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:		*Sub Part C Test Req:*	XXX
Pipeline Type:		*Conductor Test:*	
Pipeline Abv Ground:		*Engineer Test:*	
Pipeline Covered:		*Trainman Test:*	
Exposed Underwater:		*Yard Foreman Test:*	
Railroad Hotline:		*RCL Operator Test:*	
Railroad Milepost:		*Brakeman Test:*	
Grade Crossing:		*Train Dispat Test:*	
Crossing Device Ty:		*Signalman Test:*	
Ty Vehicle Involved:		*Oth Employee Test:*	
Device Operational:		*Unknown Test:*	

Incident Details Information

Release Secured:	Y	*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:	CREW CLEANED UP WITH SORBENT PADS	*Body of Water:*	ILLINOIS RIVER
Fire Involved:	N	*Tributary of:*	
Fire Extinguished:	U	*Near River Mile Make:*	
Any Evacuations:	N	*Near River Mile Mark:*	297
Number Evacuated:		*Offshore:*	N
Who Evacuated:		*Weather Conditions:*	
Radius Of Evacu:		*Air Temperature:*	50
Any Injuries:	N	*Wind Direction:*	
No. Injured:		*Wind Speed:*	
No. Hospitalized:		*Wind Speed Unit:*	
No. Fatalities:		*Water Supp Contam:*	N
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:*	MPH
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:	WASHED UP ON THE ROCKS ON SHORE	*Additional Info:*	WILL NOTIFY IL EMA

Site:

CHICAGO RIVER LASALLE ST BR TO,WOLFE POINT IL ERNS

NRC Report No:	906666	*Latitude Degrees:*	
Type of Incident:	UNKNOWN SHEEN	*Latitude Minutes:*	
Incident Cause:	UNKNOWN	*Latitude Seconds:*	

Incident Date:	5/26/2009 7:30:00 AM	***Longitude Degrees:***	
Incident Location:	UNKNOWN SHEEN INCIDENT	***Longitude Minutes:***	
Incident Dtg:	DISCOVERED	***Longitude Seconds:***	
Distance from City:		***Lat Quad:***	
Distance Units:		***Long Quad:***	
Potential Flag:	No	***Location Section:***	
Year:	Year 2009 Reports	***Location Township:***	
Direction from City:		***Location Range:***	
Location County:	COOK		

Description of Incident: CALLER IS REPORTING AN UNKNOWN SHEEN DUE TO UNKNOWN CAUSES.

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:	5/26/2009 11:41:21 AM	***Responsible City:***	
Date Time Complete:	5/26/2009 11:46:56 AM	***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:***	
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:	U	***Trainman Test:***	
Exposed Underwater:	N	***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:*	NONE
Release Rate:		*State Agen on Scene:*	POLLUTION CONTROL
Release Rate Unit:		*State Agen Notified:*	CHICAGO PD, POLLUTION CONTROL
Release Rate Rate:		*Fed Agency Notified:*	USCG
Est Duration of Rel:		*Oth Agency Notified:*	
Desc Remedial Act:	POLLUTION CONTROL ON-SCENE	*Body of Water:*	CHICAGO RIVER
Fire Involved:	N	*Tributary of:*	DESLANT
Fire Extinguished:	U	*Near River Mile Make:*	
Any Evacuations:	N	*Near River Mile Mark:*	
Number Evacuated:		*Offshore:*	N
Who Evacuated:		*Weather Conditions:*	CLEAR
Radius Of Evacu:		*Air Temperature:*	70
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:*	DIESEL
Medium Desc:	WATER	*Duration Unit:*	
Addl Medium Info:	CHICAGO RIVER	*Additional Info:*	CALLER HAS NO ADDITIONAL INFORMATION TO REPORT.

Site: *ROSEGLEN SUBDIVISION*
BUFFALO GROVE RD BUFFALO GROVE IL 60089

FINDS/FRS

Registry ID:	110061094890
FIPS Code:	17097
Program Acronyms:	ACES
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

Site: ***KNY PAINTING & DECORATING INC***
20139 N BUFFALO GROVE PRAIRIEVIEW IL 60069 FINDS/FRS

Registry ID:	110005910407
FIPS Code:	17097
Program Acronyms:	ACES, RCRAINFO
HUC Code:	07120004
Site Type Name:	STATIONARY
Location Description:	
Supplemental Location:	
Create Date:	01-MAR-2000 00:00:00
Update Date:	26-JAN-2012 14:13:25
Interest Types:	CESQG, 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:	170978645191040
EPA Region Code:	05
County Name:	LAKE
US/Mexico Border Ind:	
Latitude:	42.15554
Longitude:	-87.963775
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=110005910407

Site: ***FREUND INTERNATIONAL***
BUFFALO GROVE RD BUFFALO GROVE IL 60089 FINDS/FRS

Registry ID:	110018471679
FIPS Code:	17031
Program Acronyms:	ACES
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

Site: ***GROVE MEMORIAL CHAPEL***
195 BUFFALO GROVE RD BUFFALO GROVE IL 60089 FINDS/FRS

Registry ID:	110061092767
FIPS Code:	17097
Program Acronyms:	ACES
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

Site: ***KNY PAINTING AND DECORATING***
20139 N BUFFALO GROVE PRAIRIE VIEW IL 60069 RCRA CESQG

EPA Handler ID:	ILD984876359
Gen Status Universe:	Conditionally Exempt Small Quantity Generator
Contact Name:	JOHN KNY
Contact Address:	20139 N BUFFALO GROVE, , PRAIRIE VIEW, IL, 60069, US
Contact Phone No and Ext:	708-459-8753
Contact Email:	
Contact Country:	US
County Name:	LAKE

EPA Region:	05
Land Type:	
Receive Date:	19920511

Violation/Evaluation Summary

Note:	NO RECORDS: As of Aug 2018, 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:	19920511
Handler Name:	KNY PAINTING AND DECORATING
Generator Status Universe:	Conditionally Exempt Small Quantity Generator
Source Type:	N

Waste Code Details

Hazardous Waste Code:	D001
Waste Code Description:	IGNITABLE WASTE
Hazardous Waste Code:	F003
Waste Code Description:	THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Hazardous Waste Code:	F005
Waste Code Description:	THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Owner/Operator Details

Owner/Operator Ind:	Current Owner	***Street No:***	
Type:	P	***Street 1:***	20139 N BUFFAO GROVE RD
Name:	KNY JOHN A	***Street 2:***	
Date Became Current:		***City:***	PRAIRIE VIEW
Date Ended Current:		***State:***	IL
Phone:	708-459-8753	***Country:***	

Source Type:	N	***Zip Code:***	60069

Site: ***MOBILE OIL***
NEAR BUFFALO GROVE BUFFALO GROVE IL SPILLS2

Incident ID:	NL850868	***Occured Date:***	
Recieved Date:	7/12/1985	***Incident Lust:***	
Action:		***Incident County:***	COOK
Action Descr:			

Site: ***MOBILE OIL***
NEAR BUFFALO GROVE BUFFALO GROVE IL SPILLS2

Incident ID:	NL850868	***Occured Date:***	
Recieved Date:	8/7/1985	***Incident Lust:***	
Action:		***Incident County:***	COOK
Action Descr:			

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: Oct 10, 2018

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: Oct 10, 2018

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: Oct 10, 2018

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: Aug 13, 2018

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: Aug 13, 2018

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: Aug 2, 2018

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: Aug 2, 2018

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: Aug 2, 2018

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: Aug 2, 2018

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: Aug 2, 2018

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: Aug 2, 2018

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: Feb 12, 2018

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: Feb 20, 2018

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: Aug 13, 2018

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: Aug 13, 2018

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: Sep 10, 2018

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: Sep 10, 2018

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: Oct 10, 2018

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: Oct 10, 2018

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: Oct 10, 2018

Aboveground Storage Tanks (AST): AST

A list of aboveground storage tanks inspected by the Office of State Fire Marshal (OSFM).

Government Publication Date: Oct 1, 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: Oct 10, 2018

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: Sep 25, 2018

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: Sep 25, 2018

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: Sep 25, 2018

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: Aug 20, 2018

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: Oct 17, 2018

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: Oct 10, 2018

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: Apr 17, 2018

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: May 23, 2018

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: Aug 13, 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: Jan 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: Oct 16, 2018

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: Mar 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: Sep 14, 2018

State

Spills and Incidences: SPILLS

A list of reports taken by Illinois Emergency Management Agency (IEMA) of Hazardous Material spills in Illinois.

Government Publication Date: Aug 3, 2018

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: Sep 12, 2018

Drycleaner Facilities: DRYCLEANERS

A list of licensed drycleaners facilities provided by Drycleaner Environmental Response Trust Fund of Illinois.

Government Publication Date: Sep 6, 2018

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: Sep 6, 2018

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.

VILLAGE OF
BUFFALO GROVE

Engineering Department
Fifty One Raupp Blvd
Buffalo Grove, IL 60089-2198
Fax 847-537-5845

Kyle E. Johnson, P.E.
Civil Engineer
Phone 847-459-2523
kjohnson@vbg.org

March 11, 2019

Jeff Moyer
A Lamp Concrete Contractors, Inc.
1900 Wright Blvd.
Schaumburg, IL 60193

Re: 2019 Street Improvement Project Subcontractor Paving

Mr. Moyer:

The following email is being incorporated into these contract documents to demonstrate that the Village's approval of the contract award is contingent upon A Lamp Concrete Contractor's selection of one of the three discussed subcontractors for asphalt paving on the subject contract.

If A Lamp Concrete Contractors elects to hire another subcontractor or self-perform the work the Village may elect to terminate this contract.

Thank you,

Kyle Johnson, P.E.
Civil Engineer II

Kyle E. Johnson

From: Jeff Moyer <jmoyer@alampconcrete.com>
Sent: Monday, March 11, 2019 11:34 AM
To: Kyle E. Johnson; Lucas Deferville
Cc: Leo Morand; Brian Wesolowski; James Houston
Subject: RE: Buffalo Grove - 2019 Street Improvement Project

Kyle,

The information presented below is correct. Also, I appreciate the additional time to submit subcontractor approval for the selected vendor.

If you have any additional questions, please let me know.

Regards,

Jeff Moyer
A Lamp Concrete Contractors, Inc.
1900 Wright Blvd.
Schaumburg, IL 60193
P: 847.891.6000 ext. 105
F (Main): 847.891.6100
F (Estimating): 847.891.1873
jmoyer@alampconcrete.com

From: Kyle E. Johnson [mailto:KJohnson@vbg.org]
Sent: Monday, March 11, 2019 11:28 AM
To: Jeff Moyer <jmoyer@alampconcrete.com>; Lucas Deferville <ldeferville@gha-engineers.com>
Cc: Leo Morand <lmorand@gha-engineers.com>; Brian Wesolowski <bwesolowski@gha-engineers.com>; James Houston <jhouston@gha-engineers.com>
Subject: RE: Buffalo Grove - 2019 Street Improvement Project

Jeff,

Based upon the conversation we just had, please confirm via email that ALamp intends to hire one of the following companies to complete asphalt paving on the subject project:

1. Peter Baker and Son
2. Builders Paving
3. Geske and Sons

Pending that confirmation, the selected subcontractor will still be subject to review under General Condition #8 of the contract documents however the Village will allow seventeen (17) calendar days after bid opening for ALamp to get their affairs in order and submit the required paperwork.

Thank you.

Kyle E. Johnson, P.E., CFM | Civil Engineer II
VILLAGE OF BUFFALO GROVE
51 Raupp Blvd, Buffalo Grove IL 60089
PH: 847.459.2523 FX. 847.537.5845

ACCREDITED AGENCY

NOTE: Email, attachments, and responses may be subject to release through the Illinois Freedom of Information Act.

From: Jeff Moyer [mailto:jmoyer@alampconcrete.com]
Sent: Wednesday, March 06, 2019 11:19 AM
To: Lucas Deferville
Cc: Kyle E. Johnson; Leo Morand; Brian Wesolowski; James Houston
Subject: RE: Buffalo Grove - 2019 Street Improvement Project

Lucas,

Good morning. Per your email below, I have attached our proposed subcontractor for the subject project. So you know, A Lamp is currently discussing the potential to subcontract the paving portion of the project as well. My hope is to make a determination on paving before the end of the week.

If you have any additional immediate questions or comments, please let me know.

Regards,

Jeff Moyer
A Lamp Concrete Contractors, Inc.
1900 Wright Blvd.
Schaumburg, IL 60193
P: 847.891.6000 ext. 105
F (Main): 847.891.6100
F (Estimating): 847.891.1873
jmoyer@alampconcrete.com

ALAMP Road Builders

From: Lucas Deferville [mailto:ldeferville@gha-engineers.com]
Sent: Thursday, February 28, 2019 1:39 PM
To: Jeff Moyer <jmoyer@alampconcrete.com>
Cc: Kyle Johnson <kjohnson@vbg.org>; Leo Morand <lmorand@gha-engineers.com>; Brian Wesolowski <bwesolowski@gha-engineers.com>; James Houston <jhouston@gha-engineers.com>
Subject: Buffalo Grove - 2019 Street Improvement Project

Good Afternoon Jeff:

I hope this email finds you well. At this time, A Lamp Concrete Contractors, Inc. was the as-read apparent low bidder on the 2019 Street Improvement Project in the Village of Buffalo Grove.

Pursuant to General Condition 8 of the Contract Documents, please provide the attached 'Request for Approval of Subcontractor' (BC 260A) form for each proposed subcontractor within ten (10) calendar days of today's date. A submittal via email will be acceptable.

Please do not hesitate to contact us if you should require additional information or have any questions.

Respectfully,

Lucas Deferville
Senior Construction Engineer

625 Forest Edge Drive
Vernon Hills, Illinois 60061
Office: (847) 478-9700 | Fax: (847) 478-9701
Direct: (847) 821-6201 | Cell: (847) 344-5719
www.gha-engineers.com