# Addendum 1

# City of Canton, Ohio

Purchasing Department 218 Cleveland Ave. SW, 4<sup>th</sup> floor Canton, Ohio 44702

Paving Project, Phase 2 -	3rd St. SE Resurfacing	
Item/Project		
F.,		
Engineering Department		
Responsible Departmer	nt	
Tuesday, August 31, 202	1 at 2:00 PM local time	
Bids Due		
	Did Duanasal Submitted Dy	
	<b>Bid Proposal Submitted By:</b>	
Company Name		
Street Address		
Street Address		
City	State	Zip
Contact Person	Phone No.	Email Address

# Paving Project, Phase 2 - 3rd St. SE Resurfacing Engineering Department

# Item 1:

Attached is an updated proposal page for the Paving Project, Phase 2 - 3rd St. SE Resurfacing. Several bid item lines have been added. The attached proposal page will replace the original proposal page that was included in the Invitation to Bid. Please use this version to prepare your bid pricing.

# <u>Item 2:</u>

Attached is a new set of plans for the Paving Project, Phase 2 - 3rd St. SE Resurfacing. There was a title error on a few pages in the original plans. The attached set of plans will replace the plans included in the Invitation to Bid.

# Paving Project, Phase 2 - 3rd St. SE Resurfacing Project, GP1339 Bidder's Sheet

We (I), the above signed hereby propose to furnish the following article(s) and/or service(s) at the price(s) and terms stated subject to all instructions, conditions, specifications, and all attachments hereto. We (I) have read all attachments including the specifications and fully understand what is required.

Ref.	Item		Est.		Labor Unit		
Num.	Num.	Item Description	Qty.	Unit	Price	<b>Unit Price</b>	Total Price
1	202	Pavement Removed	61	S.Y.			
2	202	Walk Removed	3,020	S.F.			
3	202	Curb Removed	574	Ft.			
4	203	Excavation	100	C.Y.			
5	608	5" Concrete Walk	500	S.F.			
6	608	Curb Ramp, As Per Plan	2,520	S.F.			
7	609	Curb, Type 6	100	Ft.			
8	659	Seeding and Mulching	66	S.Y.			
9	251	Partial Depth Pavement Repair (441)	400	S.Y.			
10	253	Pavement Repair, As Per Plan	400	S.Y.			
11	254	Patching Planed Surface	1,000	S.Y.			
12	254	Pavement Planing, Asphalt Concrete	12,666	S.Y.			
13	255	Full Depth Pavement Removal and Rigid Replacement, Class QC1	90	S.Y.			
14	255	Full Depth Pavement Sawing	600	Ft.			
15	301	Asphalt Concrete Base, PG64-22	9	C.Y.			

16	304	Aggregate Base	109	C.Y.	
17	407	Tack Coat	1,901	Gal.	
18	441	Asphalt Concrete Intermediate Course, Type 1, (448)	528	C.Y.	
19	411	Asphalt Concrete Surface Course, Type 1, (448), PG70-22M	528	C.Y.	
20	611	Catch Basin Adjusted to Grade	2	EA	
21	611	Catch Basin Reconstructed to Grade	5	EA	
22	611	Manhole Adjusted to Grade, As Per Plan (Storm)	5	EA	
23	611	Manhole Adjusted to Grade, As Per Plan (Sanitary)	12	EA	
24	611	Manhole Reconstruct to Grade	2	EA	
25	611	Special - Miscellaneous Metal	17,500	Lbs.	
26	638	Valve Box Adjusted to Grade	5	EA	
27	630	Ground Mounted Support, No. 3 Post	274	Ft.	
28	630	Sign, Flat Sheet	260	S.F.	
29	630	Covering of Sign	30	Each	
30	630	Removal of Ground Mounted Sign and Disposal	29	Each	
31	630	Removal of Ground Mounted Post Support and Disposal	10	Each	
32	630	Removal of Overhead Mounted Sign and Disposal	2	Each	
33	644	Lane Line, 4"	0.33	Mile	
34	644	Center Line	0.40	Mile	
35	644	Channelizing Line, 8"	150	Ft.	

36	644	Stop Line	74	L.F.		
37	644	Crosswalk Line	1,050	L.F.		
38	644	Railroad Symbol	2	Each		
39	644	Lane Arrow	9	Each		
40	644	Shared Lane Marking	23	Each		
41	614	Law Enforcement Officer with Patrol Car for Assistance	40	Hour		
42	614	Asphalt Concrete for Maintining Traffic	50	Each		
43	614	Work Zone Sign (All Phases)	16	Each		
44	614	Work Zone Lane Line, Class II	1.2	Mile		
45	614	Work Zone Lane Line, Class III, 642 Paint	0.6	Mile		
46	614	Maintaining Traffic	1	Lump		
47	623	Construction Layout Staking	1	Lump		
48	624	Mobilization	1	Lump		
			TO	OTAL:		

Base Bid Price in Figures:	
Base Bid Price in Words:	

Base Bid Prices are for Informational Purposes Only.
Total Unit Prices will govern.

# BEGIN PROJECT SEE ST. SEE SEE ST. SEE

LOCATION MAP

NTS



PORTION TO BE IMPROVED

DESIGN DESIGNATION

CURRENT A.D.T. (2017)
DESIGN YEAR A.D.T. (2037)
DESIGN SPEED

= 600 = 35 MPH = 35 MPH

LEGAL SPEED FUNCTIONAL CLASSIFICATION

= MINOR ARTERIAL

**CITY OF CANTON** 

# 3RD STREET SE RESURFACING G.P. 1339

**CANTON, OHIO** 

INDEX OF SHEETS:

# PROJECT DESCRIPTION

THE PROJECT SHALL CONSIST OF MILLING AND RESURFACING THE ROADWAY, PAVEMENT BASE REPAIRS, CONCRETE ROAD REPAIRS, INSTALLATION OF ADA COMPLIANT CURB RAMPS, AND INSTALLATION OF PAVEMENT MARKINGS AND SIGNS. A PORTION OF 3RD ST. SE WILL BE CONVERTED FROM ONE—WAY TO TWO—WAY.

PROJECT EARTH DISTURBED AREA: < 1.0 ACRES
ESTIMATED CONTRACTOR EARTH DISTRUBED AREA: < 1.0 ACRES
NOTICE OF INTENT EARTH DISTURBED AREA: 0 ACRES

# 2019 SPECIFICATIONS

THE STANDARD SPECIFICATIONS OF THE STATE OF OHIO, DEPARTMENT OF TRANSPORTATION AND THE CITY OF CANTON, INCLUDING CHANGES AND SUPPLEMENTAL SPECIFICATIONS LISTED IN THE PROPOSAL SHALL GOVERN THIS IMPROVEMENT.

CITY OF CANTON, OHIO

<u>MAYOR</u>

THOMAS M. BERNABEI

DIRECTOR OF PUBLIC SERVICE
JOHN HIGHMAN

DIRECTOR OF PUBLIC SAFETY
ANDREA PERRY

WARD COUNCIL MEMBER CHRIS SMITH, WARD 4

CITY CIVIL ENGINEER
DANIEL J. MOEGLIN, P.E.

UNDERGROUND UTILITIES

TWO WORKING DAYS

BEFORE YOU DIG

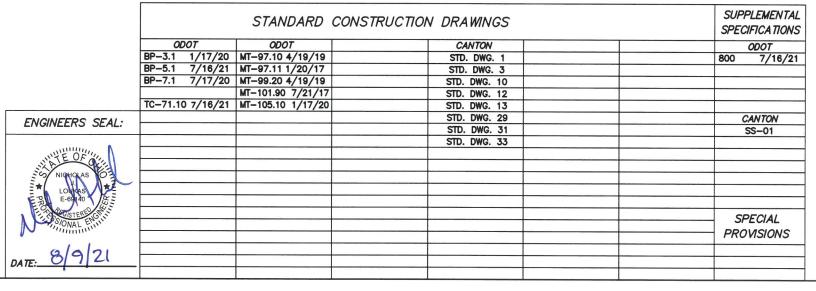
CALL 1-800-362-2764(TOLL FREE)
OHIO UTILITIES PROTECTION SERVICE
NON-MEMBERS

PLAN PREPARED BY:

MUST BE CALLED DIRECTLY

OFFICE OF THE CITY ENGINEER CANTON, OHIO

DANIEL J. MOEGLIN, P.E., CITY ENGINEER 2436 30th STREET N.E. 44705 (330)489-3381



APPROVED

OTY ENGINEER, CITY OF CANTON

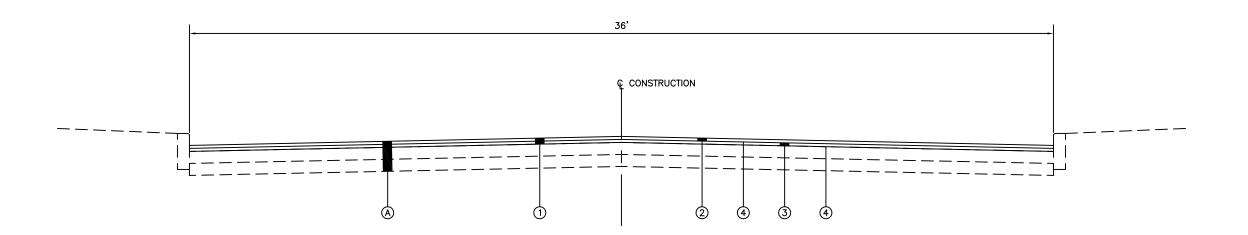
ATE 8/9/21

3RD STREET SE CANTON, OHIO DANIEL J. MOGGLIN, P.E., GITY ENGINEER 2455 3001 STREET NE. 47795 (330)489-3381

PID NO.

SRAL PROJECT NO. 1339

RAILROAD INVOLVEMENT
WHEELING & LAKE ERIE
NORFOLK SOUTHERN



# <u>LEGEND</u>

- 1 254 2 1/4" PAVEMENT PLANING, ASPHALT CONCRETE
- ② 441 1 1/2" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG70-22M
- 3 441 1 1/2" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, (448)
- 4 407 TACK COAT
- A EXISTING ASPHALT PAVEMENT

			-		
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BOOK:				3RD ST ST RESTIREACTING	DANIEL J. MOEGLIN, P.E., CITY ENGI
1010 000 000				5 110 11 110 2111 12 110	CONTRACTOR OF THE AND STATE
NAME: 3RD SI IYP SECI					2430 3001 SINEEL N.E. 44703 (330)489-

# PROJECT SPECIFICATIONS/REQUIREMENTS:

ALL WORK REQUIRED TO COMPLETE THIS IMPROVEMENT SHALL BE PERFORMED IN ACCORDANCE WITH SPECIFICATIONS/REQUIREMENTS OF THE CITY OF CANTON AND THE 2008 EDITION OF THE STATE OF OHIO DEPARTMENT OF TRANSPORTATION CONSTRUCTION AND MATERIAL SPECIFICATIONS, EXCEPT AS HEREIN AMENDED. IN THE CASE OF A CONFLICT BETWEEN THE CITY OF CANTON AND THE OHIO DEPARTMENT OF TRANSPORTATION SPECIFICATIONS/REQUIREMENTS, THE CITY OF CANTON REQUIREMENTS WILL TAKE PRECEDENCE, UNLESS OTHERWISE DIRECTED BY THE CITY ENGINEER.

THE CONTRACTOR SHALL COMPLY WITH THE CITY OF CANTON SUPPLEMENTAL SPECIFICATION 01-00 PROJECT DOCUMENTATION AND SUBMITTAL REQUIREMENTS.

# ADMINISTRATIVE REQUIREMENTS:

THE CONTRACTOR SHALL BE RESPONSIBLE FOR FULLY COMPLYING WITH ALL THE ADMINISTRATIVE DUTIES HEREIN CONTAINED.

THE CONTRACTOR SHALL DESIGNATE TO THE CITY AN EMPLOYEE RESPONSIBLE FOR CORRESPONDENCE, NOTIFICATIONS, AND SUBMITTALS PERTINENT TO THE PROJECT.

#### PRECONSTRUCTION MEETING:

A PRECONSTRUCTION MEETING WITH THE CONTRACTOR, REPRESENTATIVES OF ALL UTILITY COMPANIES, THE CITY OF CANTON ENGINEERING DEPARTMENT AND THE CITY OF CANTON WATER DEPARTMENT IS REQUIRED FOR THIS PROJECT PRIOR TO THE START OF ANY CONSTRUCTION ACTIVITY.

THE CITY ENGINEER WILL CONTACT THE CONTRACTOR TO ARRANGE A MEETING DATE. THE CITY ENGINEER WILL CONTACT THE ABOVE AGENCIES TO CONFIRM THE MEETING DATE.

#### PROJECT SAFETY:

THE CONTRACTOR SHALL MAINTAIN A SAFE WORKING ENVIRONMENT AT THE PROJECT SITE AT ALL TIMES. THE CONTRACTOR SHALL PROPERLY SUPPORT AND/OR MAINTAIN ALL EXCAVATIONS PER APPLICABLE SAFETY REQUIREMENTS AND COMPLY WITH ALL O.S.H.A. REGULATIONS. ADEQUATE BARRICADES, WARNING LIGHTS, SIGNS, FENCING, ETC. SHALL BE ERECTED AROUND THE CONSTRUCTION AREA DURING ALL NON-WORKING HOURS TO ALERT PERSONS OF THE POTENTIAL DANGER ASSOCIATED WITH THE AREA UNDER CONSTRUCTION AS WELL AS TO PREVENT ACCESS BY UNAUTHORIZED PERSONNEL TO THE CONSTRUCTION SITE/AREA. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THE SAFETY OF THE GENERAL PUBLIC AS WELL AS ALL CONSTRUCTION PERSONNEL. PUBLIC STREETS SHALL BE KEPT CLEAN AND FREE OF DEBRIS (MUD, STONE, ETC.) AT ALL TIMES. THE CONTRACTOR SHALL ALERT ALL LOCAL EMERGENCY AGENCIES (FIRE, POLICE, AMBULANCE, ETC.) OF THE NATURE OF THE PROPOSED PROJECT PRIOR TO BEGINNING AND CONSTRUCTION ACTIVITY. ACCESS FOR EMERGENCY VEHICLES SHALL BE MAINTAINED AT ALL TIMES.

# UNDERGROUND UTILITIES:

THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES SHOWN ON THE PLANS WERE OBTAINED BY FIELD OBSERVATIONS, FROM EXISTING RECORDS, AND/OR FROM THE OWNERS OF THE RESPECTIVE UTILITIES. THE INFORMATION AS SHOWN IS BELIEVED TO BE CORRECT; HOWEVER, THE COMPLETENESS AND ACCURACY OF THIS INFORMATION CANNOT BE GUARANTEED. THE CONTRACTOR SHALL BE RESPONSIBLE TO CONTACT ALL THE VARIOUS UTILITY COMPANIES (PUBLIC AND PRIVATE) TO VERIFY THE EXISTENCE, LIMITS AND/OR LOCATION OF ANY UTILITIES WHICH MAY BE ALONG THE ROUTE OR WITHIN THE VICINITY OF THIS IMPROVEMENT.

# PROJECT COMPLETION:

THE WORK EMBRACED IN THIS CONTRACT SHALL BE COMPLETE 45 CALENDAR DAYS AFTER THE NOTICE PROCEED. SUCH WORK INCLUDES BUT IS NOT LIMITED TO FINAL PAVEMENT MARKINGS, MANHOLE ADJUSTMENTS. AND RESTORATION.

# **UTILITY NOTIFICATION:**

AT LEAST TWO WORKING DAYS PRIOR TO COMMENCING OPERATIONS ON THIS PROJECT, THE CONTRACTOR SHALL NOTIFY THE CITY ENGINEER, THE REGISTERED UTILITY PROTECTION AGENCY/SERVICE, AND THE OWNERS OF ANY OTHER UTILITIES (PUBLIC AND/OR PRIVATE) THAT MAY HAVE UTILITY LINES OR FACILITIES WITHIN THE VICINITY OF THIS PROJECT BUT WHO ARE NOT MEMBERS OF THE REGISTERED UTILITY PROTECTION SERVICE. THE OWNERS OF ANY UNDERGROUND UTILITY FACILITY SHALL, WITHIN 48 HOURS AFTER NOTICE IS RECEIVED, EXCLUDING SATURDAYS, SUNDAYS AND OTHER LEGAL HOLIDAYS; STAKE, MARK OR OTHERWISE DESIGNATE THE EXISTENCE AND/OR LOCATION OF THE UNDERGROUND UTILITY FACILITIES IN THE CONSTRUCTION AREA IN SUCH A MANNER AS TO INDICATE THEIR COURSE TOGETHER WITH THE APPROXIMATE DEPTH AT WHICH THEY WERE INSTALLED. THE MARKING AND/OR LOCATING SHALL BE COORDINATED TO STAY APPROXIMATELY TWO WORKING DAYS AHEAD OF THE PLANNED CONSTRUCTION.

OHIO UTILITIES PROTECTION SERVICE: 1-800-362-2764 (CONTACT NON-MEMBERS DIRECTLY)

THE PRIMARY UTILITIES WITHIN THE CITY OF CANTON AREA:

NATURAL GAS DIST./TRANS.
DOMINION EAST OHIO GAS
320 SPRINGSIDE DR.
AKRON, OHIO 44333
330-664-2541
ATTN: MICAH RISACHER
relocation@dominionenergy.com
EMERGENCY NO.
1-800-521-2600

COMMUNICATIONS CABLE CHARTER (SPECTRUM) 5250 WHIPPLE AVE N.W. NORTH CANTON, OHIO 44720 330-494-9200 ext. 330-555-3009 ATTN: RON ICKES 216-392-7964(CELL)

SANITARY AND STORM SEWER CITY ENGINEER'S OFFICE 2436-30TH ST. N.E. CANTON, OHIO 44705 ATTN: DAN MOEGLIN 330-489-3381

TRAFFIC INTERCONNECT CITY ENGINEER'S OFFICE 2436-30TH ST. N.E. CANTON, OHIO 44705 ATTN: NICK LOUKAS 330-489-3381 TELEPHONE
AT&T
50 WEST BOWERY STREET
AKRON, OHIO 44308
ATTN: STEVE HYLTON
330-384-3055
EMERGENCY NO. - 24 HRS
1-800-572-4545 OPTION#4

ELECTRIC
AMERICAN ELECTRIC POWER
301 CLEVELAND AVE. S.W.
P.O. BOX 24400
CANTON, OHIO 44701-4400
330-438-7739
ATTN: JINA DUPLAIN
330-438-7749
ATTN: KEITH SCHALMO
330-438-7720
EMERGENCY NO.
1-800-672-2017
cantondistrictppr@aep.com

WATER
CANTON WATER DEPT.
2664 HARRISBURG RD. N.E.
CANTON, OHIO 44708
ATTN: BRENT BURRIER OR
LEWI MILLER
330-489-3310

THE CITY ENGINEER'S OFFICE IS TO BE CONTACTED DIRECTLY FOR SANITARY AND STORM SEWER AND TRAFFIC INTERCONNECT FACILITIES LOCATION: 330-489-3381.

# EXPLORATORY BORINGS:

EXPLORATORY SOIL BORING INFORMATION IS NOT THE RESPONSIBILITY OF THE CITY OF CANTON. IT IS THE CONTRACTOR RESPONSIBILITY TO REVIEW ANY AND ALL INFORMATION AVAILABLE. IF CONTRACTOR REQUESTS TO DRILL AND OR EXCAVATE WITHIN THE CITY'S R/W, THE CONTRACTOR SHALL NOTIFY THE CITY ENGINEER AT LEAST 3 WORKING DAYS PRIOR TO THIS WORK. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL UTILITY NOTIFICATION, AS SPECIFIED, ALL TRAFFIC CONTROL, PREMIUM BACKFILL, COMPACTION AND RESTORATION, AS NECESSARY.

# **CONTINGENCY QUANTITIES:**

WHEN SPECIFIED ON PLANS OR SPECIFICATIONS, CONTINGENCY QUANTITIES ARE TO BE PERFORMED ONLY UNDER DIRECTION OF THE CITY ENGINEER. THE DEVELOPER/CONTRACTOR SHALL NOT ORDER ANY CONTINGENCY MATERIAL OR PERFORM ANY WORK UNTIL DIRECTED BY THE ENGINEER. THE ACTUAL WORK LOCATION AND QUANTITIES FOR SUCH ITEMS SHALL BE DOCUMENTED BY THE DEVELOPER/CONTRACTOR AND THE ENGINEER.

# CONSTRUCTION INCIDENTALS

# PLAN DISCREPANCIES:

ANY DISCREPANCIES FROM THE PLAN INFORMATION SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER SO THAT THE APPROPRIATE ADJUSTMENTS IN ALIGNMENT AND/OR GRADE MAY BE MADE PRIOR TO THE START OF CONSTRUCTION OR THE CONTINUATION OF THE ABOVE..

FAILURE BY THE CONTRACTOR TO VERIFY AND/OR DETERMINE EXISTING INFORMATION AS INDICATED WILL RESULT IN THE CONTRACTOR BEING RESPONSIBLE FOR ANY CHANGES NECESSARY TO COMPLETE THE WORK SPECIFIED WITHOUT ADDITIONAL COMPENSATION.

# **VERIFICATION OF UNDERGROUND UTILITIES:**

TTHE CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY THE EXISTENCE AS WELL AS THE ACTUAL LOCATION, ALIGNMENT, AND ELEVATIONS OF ALL EXISTING UTILITIES/FACILITIES WITHIN AND/OR ADJACENT TO THE GENERAL LIMITS OF THESE IMPROVEMENTS INCLUDING WATERLINES, SANITARY AND STORM SEWERS, GAS LINES, COMMUNICATION LINES/BANKS, ELECTRIC LINES, ETC. THIS MAY REQUIRE EXPLORATORY EXCAVATIONS TO BE PERFORMED BY THE CONTRACTOR FOR WHICH HE WILL NOT BE REIMBURSED. THE CONTRACTOR SHALL NOT ASSUME THAT EXISTING UTILITIES/CONDUITS WERE INSTALLED AT TYPICAL/STANDARD DEPTHS OR AT UNIFORM SLOPES/GRADES/DEPTHS BETWEEN ACCESS POINTS (CATCH BASINS, MANHOLES, JUNCTION CHAMBERS, ETC.)

WHERE PLANS PROVIDE FOR A PROPOSED CONDUIT, THE CONTRACTOR SHALL UNCOVER AND DETERMINE THE ELEVATION, SIZE. SLOPE/GRADE AND MATERIAL OF EXISTING UNDERGROUND UTILITIES/CONDUITS ALONG THE ROUTE OF CONSTRUCTION, AS SHOWN ON DRAWINGS OR MARKED AT THE TIME OF CONSTRUCTION BY THE UTILITY OWNER.

# PROTECTION OF UTILITIES:

THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO PROTECT AND SUPPORT EXISTING UTILITIES ENCOUNTERED DURING THE CONSTRUCTION OF THE PROPOSED IMPROVEMENTS AS APPROVED BY THE OWNERS OF THE UTILITY AND THE CITY ENGINEER.

THE CONTRACTOR SHALL BE RESPONSIBLE TO CLOSELY COORDINATE THEIR WORK WITH ALL UTILITY COMPANIES. ANY POTENTIAL DELAYS WILL NOT BE THE RESPONSIBILITY OF THE CITY.

THE CONTRACTOR SHOULD EXPECT AT A MINIMUM ONE SANITARY SEWER LATERAL, ONE ROOF DRAIN, ONE WATER SERVICE, AND ONE GAS SERVICE FOR EACH LOT. ANY OF THE ABOVE UTILITIES DAMAGED DUE TO THE CONTRACTOR'S WORK SHALL BE RESTORED TO THE UTILITY OWNER'S SATISFACTION AT THE CONTRACTOR'S EXPENSE.

THE CONTRACTOR SHALL ADEQUATELY SUPPORT, SHORE UP, OR OTHERWISE PROTECT UNDERGROUND UTILITIES WHENEVER EXPOSED IN THE TRENCH. SUPPORTS SHALL BE EXTENDED A MINIMUM OF 12 INCHES INTO UNDISTURBED EARTH EACH SIDE OF TRENCH. CONTRACTOR SHALL BAND OR TIE UTILITY TO BRIDGING FOR ITS FULL LENGTH. WHERE BRIDGING CANNOT BE SUPPORTED BY A FIRM FOUNDATION, CONTRACTOR SHALL PROVIDE VERTICAL SUPPORT, INCLUDING ANY LATERAL BRACING NECESSARY TO PROVIDE FIRM SUPPORT.

ABOVE GROUND (AERIAL) UTILITIES, INCLUDING, BUT NOT LIMITED TO, POWER, TELEPHONE AND CABLE TELEVISION, ETC., SHALL REMAIN IN SERVICE AT ALL TIMES. ANY ANTICIPATED DISRUPTION OF SERVICE SHALL BE WITH THE FULL KNOWLEDGE OF THE UTILITY COMPANY AND REQUIRES ADVANCE NOTICE TO AFFECTED USERS. REMOVAL OF GUY WIRES AND HOLDING OF POLES SHALL BE COMPLETED AS REQUIRED TO COMPLETE THE WORK, SHALL BE AS AGREED UPON BY THE UTILITY COMPANY AND CONTRACTOR, AND SHALL BE AT THE EXPENSE OF CONTRACTOR.

# MAINTENANCE OF UTILITY SERVICES:

THE CONTRACTOR SHALL BE RESPONSIBLE TO MAINTAIN UTILITY SERVICES AT ALL TIMES.

WATER SERVICE MAY BE INTERRUPTED FOR LIMITED PERIODS (4 HOURS MAXIMUM). NO SHUT DOWN SHALL OCCUR WITHOUT WRITTEN PERMISSION OF THE CITY OF CANTON WATER DEPARTMENT. PROPERTY OWNERS AFFECTED BY APPROVED INTERRUPTED SERVICE SHALL BE NOTIFIED 48 HOURS IN ADVANCE BY THE CONTRACTOR.

STORM SEWER AND SANITARY SEWER SERVICES SHALL BE MAINTAINED WITHOUT INTERRUPTION, UNLESS APPROVED BY THE CITY ENGINEER.

IN THE EVENT THAT CONSTRUCTION DISRUPTS THE FLOW OF A SANITARY SEWER, THE CONTRACTOR SHALL IMMEDIATELY RECTIFY THE DISRUPTED SEWER BY EITHER TEMPORARILY FLUMING WITH MATERIALS ACCEPTABLE TO THE ENGINEER OR BYPASSING WITH PUMPS. COST OF MAINTAINING AND REPAIR OF SANITARY SEWERS DISTURBED BY CONSTRUCTION SHALL BE AT THE CONTRACTOR'S EXPENSE.

# **CONSTRUCTION NOISE:**

CONSTRUCTION NOISE ASSOCIATED WITH ANY IMPROVEMENT PROJECT, SHALL BE LIMITED TO LEVELS COMMENSURABLE WITH ADJOINING LAND AND THEIR ASSOCIATED USAGE AS DETERMINED BY THE CITY ENGINEER. IN ORDER TO MINIMIZE ANY ADVERSE CONSTRUCTION NOISE IMPACTS, ANY POWER-OPERATED CONSTRUCTION—TYPE DEVICE SHALL NOT BE OPERATED BETWEEN THE HOURS OF 7:00 P.M. AND 7:00 A.M., UNLESS AUTHORIZED BY THE CITY ENGINEER.

#### CLEANUP AND DISPOSAL:

DURING WORK, KEEP ROADS CLEAN AND WORK AREAS IN AN ORDERLY CONDITION. AT THE END OF THE PROJECT, ALL STREETS AND ROADWAYS EFFECTED BY THIS PROJECT SHALL BE SWEPT.

ALL WASTE MATERIAL GENERATED BY THE PROJECT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REMOVE OFFSITE AT NO COST TO THE CITY.

#### OPEN TRENCH CONSTRUCTION AND TRENCH PROTECTION:

THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL EXCAVATION /TRENCHING PRACTICES FOR THE PROPOSED IMPROVEMENT, OR AS FURTHER SHOWN ON THE PLANS AND SPECIFICATIONS.

THE CONTRACTOR SHALL FOLLOW ALL LOCAL AND STATE REGULATION, INCLUDING FEDERAL REGULATION, PART 1926, SUB PART P FOR ALL APPLICABLE REQUIREMENTS AND RESPONSIBILITIES.

PRIOR TO COMMENCING CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE CITY ENGINEER OF THE PROJECT'S ASSIGNED "COMPETENT PERSON" IN OSHA EXCAVATION STANDARDS.

PROVIDE TRENCH PROTECTION USING A TRENCH BOX, WOOD SHEETING AND BRACING, OR SUCH OTHER METHOD AS DETERMINED BY CONTRACTOR TO MAINTAIN A SAFE WORKING ENVIRONMENT. ALL EXCAVATIONS SHALL COMPLY WITH APPLICABLE LAWS AND REGULATIONS (FEDERAL, STATE AND LOCAL).

FOR WOOD SHEETING AND BRACING USE SOUND LUMBER SUITABLE FOR THE PURPOSE INTENDED, AND ARRANGE SO AS TO SUPPORT THE TRENCH WALLS AND EXISTING STRUCTURES AND UTILITIES.

SHEETING AND BRACING SHALL BE REMOVED BY THE CONTRACTOR AFTER PLACING AND COMPACTING BACKFILL TO A LEVEL AT LEAST 2 FEET ABOVE THE PIPE TOP. DO NOT PULL SHEETING IN INCREMENTS EXCEEDING 3 TO 4 FEET IN ORDER TO AVOID THE DANGER OF BREAKING THE BURIED UTILITY DUE TO THE WEIGHT OF THE BACKFILL. UPON REMOVAL, IMMEDIATELY FILL AND RECOMPACT VOIDS LEFT DUE TO SUCH REMOVAL.

# TRENCH CLOSING AND TEMPORARY TOPPING:

THE CONTRACTOR SHALL BE RESPONSIBLE TO DETERMINE THE NECESSARY LEVELS OF PROTECTION AND SAFEGUARDING OF ALL OPEN TRENCHES, WHEN WORK IS EITHER COMPLETED AT THE END OF THE DAY OR SUSPENDED FOR ANY OTHER REASON.

AS A MINIMUM, THE CITY REQUIRES ALL TRENCHES TO BE TOPPED WITH 4" OF ODOT 304 LIMESTONE FOR TRENCHES WITHIN EXISTING ROADWAY PAVEMENTS WHEN THE ROADWAY WILL BE OPENED TO VEHICULAR TRAFFIC PRIOR TO PAVEMENT REPLACEMENT.

THE TRENCH TOPPING MATERIAL SHALL BE ROLLED OR OTHERWISE COMPLETED AND BE FURNISHED FLUSH WITH THE EXISTING ADJOINING PAVEMENT.

# DUST CONTROL:

THE CONTRACTOR SHALL FURNISH AND APPLY WATER AND CALCIUM CHLORIDE FOR DUST CONTROL AS DIRECTED BY THE ENGINEER. SUFFICIENT QUANTITIES OF CALCIUM CHLORIDE SHALL BE STORED ON THE JOB SITE AT ALL TIMES TO BE USED FOR DUST CONTROL.

# PRESERVATION OF EXISTING STRUCTURES:

THE CONTRACTOR SHALL PERFORM WORK SO AS TO NOT DISTURB, DAMAGE OR DESTROY ANY MAILBOX, PAPER BOX, TELEPHONE OR POWER POLES, SIGNS, FENCES, RETAINING WALLS, LANDSCAPING ITEMS, ETC. ANY ITEM DAMAGED SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE. ANY ITEM DISTURBED OR IN CONFLICT WITH THE WORK TO BE PERFORMED SHALL BE REMOVED AND RESET AT THE CONTRACTOR'S EXPENSE UNLESS OTHERWISE NOTED IN THE PLANS OR SPECIFICATIONS.

# SALVAGED CASTINGS:

WHEN DIRECTED BY THE CITY ENGINEER, ALL CASTINGS SHALL BE CAREFULLY REMOVED AND STORED ON SITE OR DELIVERED TO A LOCATION DESIGNATED BY THE CITY ENGINEER.

OFFICE OF THE CITY ENGINEER CANTON, OHIO
DANIEL J. MOEGLIN, P.E., CITY ENGINEER
2435 30th STREET NE. 47705 (330)469-3381

GENERAL NOTES
3RD ST. SE RESURFACING

6/14/21	DRAWN BY: NJL	REVISIONS	
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AIF. N/A	APPROVED RY-	DESCRIPTION	DAIL
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ALE: N/A	FIELD BOOK:		
1 3 0+ 8	FILE NAME: 3rd St Gen Notes I		

# CONSTRUCTION INCIDENTALS (CONTINUED):

#### TESTING OF UTILITIES:

ALL NEWLY CONSTRUCTED WATERLINES AND SANITARY SEWERS (INCLUDING LATERALS) MUST BE INSTALLED AND TESTED IN ACCORDANCE WITH APPLICABLE STANDARDS (AWWA, ETC.) PER THE OHIO ENVIRONMENTAL PROTECTION AGENCY, AND PER THE REQUIREMENTS OF THE CITY OF CANTON WATER AND ENGINEERING

SANITARY SEWERS SHALL BE TESTED BY THE CONTRACTOR IN ACCORDANCE WITH THE FOLLOWING CITY OF CANTON'S SUPPLEMENTAL

05-01 SANITARY SEWER TELEVISION (CLOSED CIRCUIT TV) INSPECTION AND DOCUMENTATION PROCEDURE

ANY SANITARY SEWER PRE-CLEANING REQUIRED TO GAIN ACCESS TO THE AREA TO BE TELEVISED SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL ANTICIPATE THE NEED TO CLEAN THE ENTIRE SEWER BETWEEN THE CLOSEST UPSTREAM AND DOWNSTREAM MANHOLES.

DEFECTS IDENTIFIED BY CCTV WITHIN THE NEW SANITARY SEWER OR AT THE CONNECTION POINT BETWEEN THE EXISTING AND PROPOSED SANITARY SEWER SHALL BE CORRECTED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE CITY.

COSTS ASSOCIATED WITH TESTING REQUIREMENTS SHALL BE INCLUDED IN THE COST OF THE CONDUIT.

#### CONSTRUCTION LAYOUT:

THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CONSTRUCTION LAYOUT UTILIZING PERTINENT PLAN DATA. THE CITY ENGINEER WILL NOT BE RESPONSIBLE FOR STAKING HORIZONTAL OR VERTICAL CONTROL. CONSTRUCTION LAYOUT SHALL BE IN ACCORDANCE WITH ODOT 623 CONSTRUCTION LAYOUT STAKES.

AT THE CITY ENGINEER'S REQUEST THE CONTRACTOR SHALL MAKE AVAILABLE ALL SURVEY FIELD NOTES FOR REVIEW.

# **EXISTING MONUMENTATION:**

THE CONTRACTOR SHALL PRESERVE ALL CORNERSTONES, IRON PINS. CONCRETE MONUMENTS AND/OR ANY TYPE OF LAND MONUMENT. (HE SHALL HAVE ALL MONUMENTS IN THE PROXIMITY OF THE WORK REFERENCED.) THE CONTRACTOR SHALL REPLACE/RESET ANY DISTURBED OR DAMAGED MONUMENTS AND SHALL FURNISH A CERTIFICATION BY A REGISTERED SURVEYOR THAT THE MONUMENTS HAVE BEEN RESTORED.

# **DEWATERING OPERATIONS:**

WHEN DEEMED NECESSARY, THE CONTRACTOR MAY INSTALL DEWATERING EQUIPMENT PRIOR TO THE COMMENCEMENT OF

THE PROPOSED LOCATION OF WELL POINTS, HEADER PIPE, ELECTRICAL DISTRIBUTION, GENERATORS AND DISCHARGE PIPES, ETC. SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL PERMITS FOR THE INSTALLATION AND SUBSEQUENT REMOVAL OF DEWATERING EQUIPMENT AS MAY BE NECESSARY PER STATE AND LOCAL

INSTALLATION OF ALL ELECTRICAL EQUIPMENT, INCLUDING GROUNDING AND PROTECTION SHALL BE THE RESPONSIBILITY OF THE

CONTRACTOR SHALL PROVIDE ALL COMBUSTIBLE ENGINE DRIVEN GENERATORS WITH "HOSPITAL GRADE" MUFFLERS. MUFFLERS SHALL BE RATED, AT A MAXIMUM OF 67 dB AT 23 FEET AWAY RUNNING

# INSPECTION:

ALL WORK REQUIRED FOR THIS IMPROVEMENT SHALL BE SUBJECT TO INSPECTION BY THE CITY OF CANTON OR THEIR DESIGNATED REPRESENTATIVE. THE CONTRACTOR SHALL GIVE A 48 HOUR NOTICE BEFORE STARTING ANY WORK ON THIS PROJECT AND SHALL KEEP THE CITY INFORMED OF HIS/HER CONSTRUCTION SCHEDULE. NO WORK SHALL BE PERFORMED UNLESS AN AUTHORIZED INSPECTOR IS

# EARTHWORK / SITE WORK

#### EASEMENTS AND RIGHT-OF WAY:

THE CONTRACTOR SHALL STAY WITHIN THE PROPERTIES, EASEMENTS, AND/OR RIGHT-OF-WAY PROVIDED AT ALL TIMES. NO MATERIAL SHALL BE STORED NOR ANY WORK PERFORMED ON PRIVATE PROPERTY. DISTURBANCE OF EXISTING FEATURES AND/OR IMPROVEMENTS SHALL BE KEPT TO AN ABSOLUTE MINIMUM AND AS APPROVED BY THE CITY ENGINEER/PROPERTY OWNER.

# SUITABILITY OF SITE:

THE CITY OF CANTON WILL NOT BE RESPONSIBLE FOR THE TYPE AND/OR SUITABILITY OF THE MATERIAL UNDERLYING THE PROJECT SITE. THE CONTRACTOR MUST APPRAISE THEMSELVES OF ANY EXISTING SITE CONDITIONS WHICH MAY AFFECT THEIR BID OR THE PERFORMANCE OF THE REQUIRED WORK. THE CONTRACTOR SHALL PERFORM ANY INVESTIGATIONS AND/OR TESTING NECESSARY TO ADEQUATELY DETERMINE/ESTIMATE TO THEIR SATISFACTION OF ALL SITE CONDITIONS WHICH COULD AFFECT THE PERFORMANCE OF THE PROPOSED IMPROVEMENTS. THIS COULD INCLUDE BUT NOT BE LIMITED TO UNSUITABLE AND/OR UNSTABLE SOIL/SUBSURFACE CONDITIONS, ROCK, WATER (PERCHED OR FREE), SPRINGS, ETC.

# REMOVAL/REPLACEMENT OF UNSUITABLE MATERIAL:

THE CONTRACTOR SHALL UNDERCUT AND REPLACE UNSUITABLE MATERIAL ENCOUNTERED DURING INSTALLATION OF THE PROPOSED UTILITIES AND ROADWAY IN ACCORDANCE WITH O.D.O.T. ITEM NO. 603 AND 203, OR AS FURTHER DESCRIBED HEREIN.

IF PLANS ALLOW FOR A CONTINGENCY ITEM FOR SUCH REMOVAL/REPLACEMENT. THE CITY WILL DOCUMENT THE LOCATION OF AREAS OF SUCH REMOVAL/REPLACEMENT FOR FINAL QUANTITY

#### **RESTORATION OF DISTURBED AREAS:**

EXISTING DRIVES, BERMS, LAWNS, PAVEMENTS, CURBS, SIDEWALKS, SIGNS, MAILBOXÉS OR OTHER APPURTENANCES DISTURBED DURING CONSTRUCTION BUT NOT SPECIFICALLY DESIGNATED FOR REMOVAL/REPLACEMENT SHALL BE RESTORED TO A CONDITION EQUAL TO THAT WHICH EXISTED PRIOR TO CONSTRUCTION AND TO THE COMPLETE SATISFACTION OF THE CITY ENGINEER. RESTORATION OF EXISTING ROADWAYS SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE CITY, TOWNSHIP, COUNTY, AND/OR OTHER AGENCIES HAVING AUTHORITY. COST FOR THE RESTORATION OF THESE ITEMS WILL BE THE RESPONSIBILITY OF THE DEVELOPER/CONTRACTOR. NO PUBLIC ROADWAY SHALL BE DISTURBED WITHOUT PRIOR WRITTEN APPROVAL FROM THE GOVERNING AGENCY AND ACQUISITION OF NECESSARY PERMITS.

# ROADWAY / PAVEMENT / WALK / CURB

# ASPHALT CONCRETE:

CONTRACTOR SHALL SUBMIT APPLICABLE APPROVED JMF FOR ACCEPTANCE BY THE ENGINEER PRIOR TO USE. ASSOCIATED REPORTS AND DAILY PLANT PRODUCTION REPORTS SHALL BE SUBMITTED. ASPHALT DELIVERY TICKETS SHALL INCLUDE JMF

# ASPHALT BINDER PRICE ADJUSTMENT:

THIS PROJECT WILL COMPLY WITH CMS 401.20 ASPHALT BINDER PRICE ADJUSTMENT.

# AGGREGATE BASE, AS PER PLAN:

THE REQUIREMENTS OF ODOT 304 SHALL APPLY; DEVIATIONS FROM THIS ARE AS FOLLOWS:

(1) NO OPEN HEARTH BASIC-OXYGEN STEEL OR GRANULAR SLAG SHALL BE PERMITTED.

# CONCRETE WALK AND DRIVE APPROACHES AS PER PLAN:

THE REQUIREMENTS OF ODOT 608 CONCRETE WALKS AND RAMPS SHALL APPLY; DEVIATIONS FROM THIS ARE AS FOLLOWS:

- (1) CONCRETE MIX COARSE AGGREGATE SHALL BE LIMESTONE ONLY.
- (2) EXPANSIONS JOINTS (1/2") SHALL BE PLACED AT THE TRANSVERSE JOINTS OF THE WALK AT INTERVALS NOT TO EXCEED 30 FEET IN LENGTH.

# CAST IN PLACE CONCRETE CURB, AS PER PLAN:

REQUIREMENTS OF ODOT 609 SHALL APPLY; DEVIATIONS FROM THIS

- (1) CONCRETE MIX COARSE AGGREGATE SHALL BE LIMESTONE ONLY.
- (2) CONSTRUCTION JOINTS FOR STAND-UP CURB AND COMBINATION CURB/GUTTER SHALL BE DOWELED. DOWELS SHALL BE (2) #5 BAR, 18" IN LENGTH EQUALLY SPACED.
- (3) CURB SHALL BE CORED OR SLEEVED 3-1/2" FOR 3" DRAIN OUTLETS AT THE LOCATIONS DETERMINED BY CITY ENGINEER OR DEVELOPER, OR AS SPECIFIED ON PLAN. NOTCH CUTTING OF CURB IS

# RESTRICTED WORK SCHEDULE:

NO CONCRETE FINISH WORK OR PERMANENT ASPHALT SHALL BE PLACED FROM NOVEMBER 15TH TO APRIL 15TH UNLESS WRITTEN APPROVAL IS GRANTED BY THE CITY ENGINEER.

# ASPHALT/CONCRETE:

IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY THE ENGINEER 48 HOURS IN ADVANCE OF BEGINNING WORK WHICH REQUIRES COMPACTION TESTING AND/OR PRE-POUR INSPECTION PRIOR TO PLACEMENT OF ASPHALT OR CONCRETE. WORK WILL NOT PROCEED UNTIL TESTING AND/OR INSPECTION HAS BEEN COMPLETED AND APPROVED BY THE CITY ENGINEER.

# PROFILE AND ALIGNMENT:

PLACE THE PROPOSED PAVEMENT TO FOLLOW THE ALIGNMENT AND PROFILE OF THE EXISTING PAVEMENT. PLAVE THE PROPOSED ASPHALT CONCRETE OVERLAY AS SHOWN ON THE TYPICAL SECTIONS.

# PARTIAL DEPTH PAVEMENT REPAIR:

A QUANTITY OF THIS ITEM SHALL BE PROVIDED FOR USE AS DIRECTED BY THE ENGINEER. THE ITEM CONSIST OF REPAIRING EXISTING LOCATIONS EXHIBITING SURFACE DETERIORATION. REPAIR SHALL BE PERFORMED AS FOLLOWS:

REMOVE EXISTING ASPHALT BASE AND REPLACE WITH 3" OF ITEM 448 ASPHALT CONCRETE, TYPE 2. THE ASPHALT CONCRETE SHALL BE COMPACTED WITH A TYPE 1 PNEUMATIC TIRE ROLLER AND A STEEL WHEEL ROLLER AS PER 401.13.

IT IS NOT THE INTENT TO REPAIR EVERY DETERIORATED AREA WITHIN THE PROJECT. THE ENGINEER SHALL DETERMINE WHICH AREAS ARE TO BE REPAIRED. UNLESS OTHERWISE DIRECTED BY THE ENGINEER, THIS ITEM SHALL BE PERFORMED AFTER THE COMPLETION OF PAVEMENT PLANING. ALSO, THIS ITEM SHALL COMMENCE WITHIN 7 DAYS OF THE COMPLETION OF PAVEMENT PLANING. PAYMENT SHALL BE BASED ON THE ACTUAL NUMBER OF SQUARE YARDS OF PAVEMENT REPAIR. THE FOLLOWING ESTIMATED QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY:

ITEM 251, PARTIAL DEPTH PAVEMENT REPAIR (441) 400 SQ. YD.

# ITEM 253 - PAVEMENT REPAIR. AS PER PLAN:

A QUANTITY OF THIS ITEM SHALL BE PROVIDED FOR USE AS DIRECTED BY THE ENGINEER. THE ITEM CONSIST OF CUTTING AND REMOVING DETERIORATED PAVEMENT FULL DEPTH AND REPLACING WITH NEW MATERIAL AS FOLLOWS:

COMPOSITE BRICK AND COMPOSITE CONCRETE PAVEMENT: REMOVE BRICK/CONCRETE AND BASE MATERIAL UP TO 12" AND REPLACE WITH LIKE DEPTH OF ITEM 304 AGGREGATE BASE AND 452 CONCRETE. CONCRETE DEPTH SHALL BE 6" MIN AND 9" MAX.

ASPHALT PAVEMENT: REMOVE EXISTING ASPHALT BASE UP TO 12" AND REPLACE WITH ITEM 301 ASPHALT CONCRETE BASE, PG64-22. THE MAXIMUM COMPACTED DEPTH OF ANY ONE LAYER SHALL BE 6

IT IS NOT THE INTENT TO REPAIR EVERY DETERIORATED AREA WITHIN THE PROJECT. THE ENGINEER SHALL DETERMINE WHICH AREAS ARE TO BE REPAIRED. UNLESS OTHERWISE DIRECTED BY THE ENGINEER, THIS ITEM SHALL BE PERFORMED AFTER THE COMPLETION OF PAVEMENT PLANING. ALSO, THIS ITEM SHALL COMMENCE WITHIN 7
DAYS OF THE COMPLETION OF PAVEMENT PLANING. PAYMENT SHALL BE BASED ON THE ACTUAL NUMBER OF SQUARE YARDS OF PAVEMENT REMOVED AND REPLACED TO THE LIMITS DESIGNATED BY THE ENGINEER. THE FOLLOWING ESTIMATED QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY:

ITEM 253, PAVEMENT REPAIR, AS PER PLAN 400 SQ, YD,

# ITEM 254 - PATCHING PLANED SURFACE

A QUANTITY OF THIS ITEM SHALL BE PROVIDED FOR USE AS DIRECTED BY THE ENGINEER.

THE FOLLOWING ESTIMATED QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY:

ITEM 254, PATCHING PLANED SURFACE

# 1000 SQ. YD.

# WALK AND CURB REPLACEMENT

IT MAY BE NECESSARY TO REPLACE WALK AND CURB ADJACENT TO RECONSTRUCTED CATCH BASINS. THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY FOR USE IN SUCH SITUATIONS AS DIRECTED BY THE ENGINEER.

202, WALK REMOVED	<u>500</u> S.F.
202, CURB REMOVED	<u>100</u> FEET
608, 5" CONCRETE WALK	<u>500</u> S.F.
609, CURB, TYPE 6	<u>100</u> FEET

# ITEM 608 - CURB RAMP, AS PER PLAN

CURB RAMPS SHALL BE CONSTRUCTED IN ACCORDANCE WITH CANTON CITY STANDARD DRAWING #33. CURB RAMP TYPE AT EACH LOCATION SHALL BE DETERMINED IN THE FIELD BY THE CONTRACTOR WITH CONCURRENCE BY THE ENGINEER.

UNLESS OTHERWISE DIRECTED BY THE ENGINEER, CURB RAMPS SHALL BE INSTALLED PRIOR TO RESURFACING.

# ITEM 203 - EXCAVATION:

THIS ITEM OF WORK SHALL CONSIST OF REMOVING AND DISPOSING OF ALL UNSUITABLE MATERIAL BY EXCAVATING THE EXISTING SUBGRADE AND SUBBASE TO AN AVERAGE DEPTH OF 6" OR AS DIRECTED BY THE ENGINEER. EXACT LIMITS OF REMOVAL SHALL BE DETERMINED BY THE ENGINEER. ALL EQUIPMENT, LABOR, TOOLS, AND INCIDENTALS NECESSARY TO COMPLETE THIS ITEM SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 203, EXCAVATION. FOLLOWING ESTIMATED QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY: 100 CU. YD.

ITEM 203, EXCAVATION

# ITEM 304 - AGGREGATE BASE:

THE FOLLOWING ESTIMATED QUANTITY HAS BEEN PROVIDED AND SHALL BE USED AS DIRECTED BY THE ENGINEER TO BACKFILL AREAS WHICH WERE EXCAVATED UNDER ITEM 203 EXCAVATION. THE FOLLOWING ESTIMATED QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY:

ITEM 304, AGGREGATE BASE

100 CU. YD.

# CONCRETE STREET REPAIR

SEVERAL AREAS OF THE CONCRETE PAVEMENT REQUIRE SPOT REPAIRS. THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY FOR USE IN SUCH SITUATIONS AS DIRECTED BY THE ENGINEER.

255. FULL DEPTH PAVEMENT REMOVAL AND RIGID PAVEMENT REPLACEMENT, CLASS QC1 90 S.Y. 600 FEET 255, FULL DEPTH PAVEMENT SAWING

CITY ENGINEER

V, OHIO
P.E., CITY ENGINEER CANTON, LJ. MOEGLIN, P.I. 30th STREET N.E. 44: OFFICE DANIEL 2436

RESURFACING

NOTES

# SANITARY SEWERS / STORM SEWERS

# **SEWER STANDARDS:**

ALL SANITARY/STORM SEWER CONDUITS AND APPURTENANCES SHALL BE CONSTRUCTED ACCORDING TO APPLICABLE CITY AND/OR ODOT STANDARD DRAWINGS AND SPECIFICATIONS EFFECTIVE AT THE TIME OF CONSTRUCTION, UNLESS SPECIFIED OTHERWISE ON THE PLANS.

# ITEM 611 - CATCH BASIN RECONSTRUCTED TO GRADE:

THIS ITEM SHALL INCLUDE ALL NECESSARY MATERIALS AS PER THE CMS. THE CITY MAY PROVIDE CASTINGS. IF THE ENGINEER DETERMINES THAT A CASTING MUST BE REPLACED AND CASTING IS NOT PROVIDED BY THE CITY, PAYMENT FOR THE CASTING WILL BE MADE UNDER ITEM 611 — SPECIAL — MISCELLANEOUS METAL.

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY FOR USE AS DIRECTED BY THE ENGINEER.

611, CATCH BASIN RECONSTRUCTED TO GRADE <u>5</u> EACH

# ITEM 611 - CATCH BASIN ADJUSTED TO GRADE:

THIS ITEM SHALL INCLUDE ALL NECESSARY MATERIALS AS PER THE CMS. THE CITY MAY PROVIDE CASTINGS. IF THE ENGINEER DETERMINES THAT A CASTING MUST BE REPLACED AND CASTING IS NOT PROVIDED BY THE CITY, PAYMENT FOR THE CASTING WILL BE MADE UNDER ITEM 611 — SPECIAL — MISCELLANEOUS METAL.

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY FOR USE AS DIRECTED BY THE ENGINEER.

611, CATCH BASIN ADJUSTED TO GRADE <u>2</u> EACH

#### ITEM 611 - MANHOLE RECONSTRUCTED TO GRADE:

THIS ITEM SHALL INCLUDE ALL NECESSARY MATERIALS AS PER THE CMS. THE CITY MAY PROVIDE CASTINGS. IF THE ENGINEER DETERMINES THAT A CASTING MUST BE REPLACED AND CASTING IS NOT PROVIDED BY THE CITY, PAYMENT FOR THE CASTING WILL BE MADE UNDER ITEM 611 — SPECIAL — MISCELLANEOUS METAL.

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY FOR USE AS DIRECTED BY THE ENGINEER.

611, MANHOLE RECONSTRUCTED TO GRADE <u>2</u> EACH

# ITEM 611 - MANHOLE ADJUSTED TO GRADE, AS PER PLAN:

MANHOLE ADJUSTMENTS SHALL BE PERFORMED AS PER CITY OF CANTON STANDARD DRAWING #13. THIS ITEM SHALL INCLUDE ALL MATERIALS REQUIRED AS PER THE STANDARD DRAWING. IF THE ENGINEER DETERMINES THAT AN EXISTING CASTING MUST BE REPLACED THE CITY MAY PROVIDE A NEW CASTING. IF THE ENGINEER DETERMINES THAT A CASTING MUST BE REPLACED AND CASTING IS NOT PROVIDED BY THE CITY, PAYMENT FOR THE CASTING WILL BE MADE UNDER ITEM 611 — SPECIAL — MISCELLANEOUS METAL

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY FOR USE AS DIRECTED BY THE ENGINEER.

611, MANHOLE ADJUSTED TO GRADE, AS PER PLAN (STORM)
\_5\_ EACH

611, MANHOLE ADJUSTED TO GRADE, AS PER PLAN (SANITARY)  $\underline{\hspace{0.1cm}}$  EACH

# ITEM 604 - SPECIAL - MISCELLANEOUS METAL:

EXISTING CASTINGS MAY PROVE TO BE UNSUITABLE FOR REUSE, AS DETERMINED BY THE ENGINEER. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE THE CASTINGS OF THE REQUIRED TYPE, SIZE, AND STRENGTH (HEAVY OR LIGHT DUTY) FOR THE PARTICULAR STRUCTURE IN QUESTION. ALL MATERIAL SHALL MEET CITY STANDARDS AND ITEM 611 OF THE CMS AND SHALL HAVE THE PRIOR APPROVAL OF THE ENGINEER.

THE FOLLOWING ESTIMATED QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY FOR USE AS DIRECTED BY THE ENGINEER.

611, SPECIAL - MISCELLANEOUS METAL 17,500 POUNDS

THE CONTRACTOR IS CAUTIONED TO USE EXTREME CARE IN THE REMOVAL, STORAGE AND REPLACEMENT OF ALL EXISTING CASTINGS. CASTINGS DAMAGED BY THE NEGLIGENCE OF THE CONTRACTOR, AS DETERMINED BY THE ENGINEER, SHALL BE REPLACED WITH THE PROPER NEW CASTING AT THE EXPENSE OF THE CONTRACTOR.

# WATER MAIN / SERVICES

# WATER VALVE BOX ADJUSTMENTS:

THE CANTON WATER DEPARTMENT IS RESPONSIBLE FOR THE ADJUSTMENT OF WATER VALVES BOXES. THE CONTRACTOR SHALL COORDINATE WITH THE CITY WATER DEPARTMENT ON ALL WATER VALVE ADJUSTMENTS.

IF THE CITY WATER DEPARTMENT CANNOT PERFORM THE WORK ON ANY VALVE BOXES THAT REQUIRES ADJUSTMENT, THE CONTRACTOR SHALL MAKE NECESSARY ADJUSTMENTS AS DIRECTED BY THE ENGINEER. THE CANTON WATER DEPARTMENT WILL PROVIDE THE NECESSARY CASTINGS TO THE CONTRACTOR. PAYMENT FOR SUCH WORK WILL BE PERFORMED UNDER ITEM 638 — VALVE BOX ADJUSTED TO GRADE.

THE FOLLOWING ESTIMATED QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY FOR USE AS DIRECTED BY THE ENGINEER.

638, VALVE BOX ADJUSTED TO GRADE \_5 EACH

# TRAFFIC:

# EXISTING STREET NAME AND TRAFFIC CONTROL SIGNS:

WHERE WORK REQUIRES THE MOVEMENT OF EXISTING SIGNS (STOP SIGNS, SPEED LIMIT SIGNS, NO PARKING SIGNS, ETC.). THE CONTRACTOR IS REQUIRED TO MAINTAIN THE FUNCTION OF ALL TRAFFIC CONTROL SIGNS. ALL SIGNS REMOVED BY THE CONTRACTOR SHALL BE STORED ON SITE AND REINSTALLED BY THE CONTRACTOR, UNLESS OTHERWISE NOTED.

# TWO-WAY CONVERSION

AS PART OF THIS PROJECT, 3RD ST. SE WILL BE CONVERTED FROM ONE-WAY TO TWO-WAY BETWEEN STERLING AVE. AND TUSCARAWAS ST. F.

# PAVEMENT MARKING PLAN

A PAVEMENT MARKING PLAN WILL BE PROVIDED TO THE CONTRACTOR AT OR PRIOR TO THE PRE—CONSTRUCTION MEETING. THE FOLLOWING QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY FOR USE IN IMPLEMENTING THE PAVEMENT MARKING PLAN.

644, LANE LINE, 4"	<u>0.33</u> MILE
644, CENTER LINE	0.40 MILE
644, CHANNELIZING LINE, 8"	<u>150</u> FOOT
644, STOP LINE	<u>74</u> FOOT
644, CROSSWALK LINE	<u>240</u> FOOT
644, RAILROAD SYMBOL MARKING	<u>2</u> EACH
644, LANE ARROW	<u>9</u> ЕАСН
644, SHARED LANE MARKING	<u>23</u> EACH

#### <u>SIGNING PLAN</u>

DISPOSAL

A SIGNING PLAN WILL BE PROVIDED TO THE CONTRACTOR AT OR PRIOR TO THE PRE-CONSTRUCTION MEETING. THE FOLLOWING QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY FOR USE IN IMPLEMENTING THE PAVEMENT MARKING PLAN.

630, GROUND MOUNTED SUPPORT, NO. 3 POST	<u>274</u> FOOT
630, SIGN, FLAT SHEET	260 S.F.
630, COVERING OF SIGN	<u>30</u> EACH
630, REMOVAL OF GROUND MOUNTED SIGN AND	DISPOSAL
	<u>29</u> EACH
6.30. REMOVAL OF GROUND MOUNTED POST SUPE	PORT AND

630, REMOVAL OF OVERHEAD MOUNTED SIGN AND DISPOSAL

10 EACH

2 EACH

# POST CONSTRUCTION INCIDENTALS

# RELEASE OF RETAINER/BONDS:

PRIOR TO THE RELEASE OF RETAINER/CONSTRUCTION BOND BY THE CITY OF CANTON, THE CONTRACTOR SHALL HAVE COMPLETED THE ENGINEER'S PROJECT PUNCHLIST AND SUBMIT. FINAL WAIVER OF LIEN, IN ACCORDANCE WITH CITY SS 01-00.

OFFICE OF THE CITY ENGINEER CANTON, OHIO
DANIEL J. MOEGLIN, P.E., CITY ENGINEER
2436 30th STREET NE. 44705 (330)489-3381

GENERAL NOTES 3RD ST. SE RESURFACING

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# **MAINTAINING TRAFFIC:**

THE CONTRACTOR SHALL MAINTAIN TRAFFIC ADJACENT TO AND THROUGH THE PROJECT AS DESCRIBED BELOW AND IN ACCORDANCE WITH THE REQUIREMENTS OF THE OHIO DEPARTMENT OF TRANSPORTATION MANUAL OF CONSTRUCTION AND MATERIALS SPECIFICATIONS ITEM 614 MAINTAINING TRAFFIC. THE CONTRACTOR SHALL FURNISH, MAINTAIN, AND REMOVE ALL SIGNS, FLAGS, FLAGMEN, WATCHMEN, BARRICADES, SIGN SUPPORTS, CONES, BARRELS, AND INCIDENTALS IN CONFORMANCE WITH THE MOST RECENT REVISIONS OF THE CURRENT EDITION OF THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS AND THE FOLLOWING:

#### PAVING OPERATIONS

- 1. THE CONTRACTOR MUST MAINTAIN ONE LANE OF TRAFFIC AT ALL TIMES. DURING WORKING HOURS, IF ONE LANE CAN NOT BE MAINTAINED, FLAGGERS MAY BE USED. DURING NON-WORKING HOURS, A MINIMUM OF ONE TEN FOOT LANE THE EXISTING PAVEMENT OR COMPLETED PAVEMENT AT ALL TIMES.
- 2. CONES SHALL NOT BE ACCEPTABLE TRAFFIC CONTROL DEVICES FOR LANE RESTRICTIONS OR LANE REDUCTIONS THAT ARE IN OPERATION ONE—HALF HOUR AFTER SUNSET OR ONE—HALF HOUR BEFORE SUNRISE. ALL NIGHTTIME LANE RESTRICTIONS SHALL REQUIRE DRUMS OR BARRICADES AT A MINIMUM SPACING OF FIFTY (50) FEET.
- 3. THE CONTRACTOR SHALL FURNISH, ERECT, MAINTAIN, AND SUBSEQUENTLY REMOVE ALL FLAGS, BARRICADES, SIGNS, AND SIGN SUPPORTS AND FURNISH AND MAINTAIN ALL FLAGGERS, WATCHERS AND INCIDENTALS RELATED THERETO.
- 4. ALL FULL DEPTH PAVEMENT REMOVAL AND REPLACEMENT OPERATIONS SHALL BE COMPLETED THE SAME DAY THE EXCAVATION IS MADE. IF THE CONTRACTOR CANNOT COMPLETE THE WORK, THE EXCAVATION SHALL BE BACKFILLED.
- 5. ONLY DURING OFF-PEAK PERIODS (I.E. ANY PERIOD OTHER THAN 6-8AM AND 3-6PM) SHALL THE CONTRACTOR INSTALL AND SUBSEQUENTLY RESET ALL TRAFFIC CONTROL NECESSARY FOR THE WORK ZONE FOR EACH CONSTRUCTION PHASE.
- 6. IN ADDITION TO THE REQUIREMENTS OF 614 WORK ZONE PAVEMENT MARKINGS (<614.11>), AT THE END OF EACH DAY OF WORK, THE CONTRACTOR SHALL REPLACE (WITH WORK ZONE MARKINGS) ALL LANE, CENTER, STOP OR CHANNELIZING LANES THAT WERE REMOVED OR COVERED DURING THE PAVEMENT REMOVAL OR PAVEMENT PLACING OPERATIONS. QUANTITIES FOR SUCH PLACEMENT ARE CARRIED AS PART OF THE ITEMS LISTED UNDER 614 WORK ZONE PAVEMENT MARKINGS.
- 7. A QUANTITY OF <u>50</u> CU. YD. OF 614 ASPHALT CONCRETE FOR MAINTAINING TRAFFIC SHALL BE PROVIDED FOR USE IN MAINTAINING PAVEMENT, SHOULDERS, AND OTHER LOCATIONS PRIOR TO RESURFACING, AS DIRECTED BY THE ENGINEER.
- 8. PRIOR TO OPENING TO TRAFFIC EACH LANE SHALL BE IN A SAFE, PASSABLE CONDITION. ALL TRANSVERSE JOINTS SHALL EXTEND ACROSS THE FULL LANE WIDTH AND EACH LANE SHALL BE FREE FROM UNEVEN LONGITUDINAL JOINTS. THE CONTRACTOR SHALL PROVIDE ASPHALT WEDGES FOR TRANSVERSE JOINTS WHEREVER THERE ARE PAVEMENT ELEVATION DIFFERENCES.
- 9. ACCESS SHALL BE MAINTAINED AT ALL TIMES FOR EMERGENCY AND FIRE DEPARTMENT VEHICLES.
- 10. THE CONTRACTOR SHALL MAINTAIN ACCESS TO LOCAL RESIDENCES AND BUSINESSES DURING CONSTRUCTION. IN THE EVENT A DRIVE ACCESS NEEDS TO BE CLOSED, THE CONTRACTOR SHALL GIVE NOTICE OF CLOSURE AND DURATION TO THE PROPERTY OWNER 24 HOURS IN ADVANCE. CONTRACTOR SHALL ARRANGE FOR ALTERNATE PARKING AND REASONABLE ACCESS FOR THOSE PROPERTY OWNERS AFFECTED BY DRIVE CLOSURES.
- 11. A QUANTITY OF ITEM 614 WORK ZONE MARKING SIGN HAS BEEN INCLUDED IN THE PLAN. THE QUANTITY SHALL INCLUDE, BUT IS NOT LIMITED TO, THE FOLLOWING SIGNS: W8-1 [BUMP], W8-11 [UNEVEN LANES SYMBOL]. THESE QUANTITIES SHALL BE AS PER <614.04>.

THE FOLLOWING QUANTITIES SHALL BE USED FOR THE MAINTENANCE OF TRAFFIC ON THIS PROJECT:

PLANED SURFACE

614, WORK ZONE LANE LINE, CLASS II, 0.60 MILE 614, WORK ZONE MARKING SIGN (ALL PHASES), 16 EACH

INTERMEDIATE SURFACE

614, WORK ZONE LANE LINE, CLASS II, <u>0.60</u> MILE

SURFACE COURSE

614, WORK ZONE LANE LINE, CLASS III, 642 PAINT <u>0.60</u> MILE

#### TWO-WAY CONVERSION

IN ORDER TO FACILITATE THE CONVERSION OF 3RD ST. FROM ONE-WAY TO TWO-WAY, THE FOLLOWING STEPS SHALL BE TAKEN.

- 1. FOLLOWING THE COMPLETION SURFACE COURSE PAVING, WORK ZONE LANE LINE, CLASS III SHALL BE APPLIED.
- 2. APPROPRIATE SIGN WORK SHALL BE PERFORMED AND CONFLICTING SIGNS COVERED.
- 3. WHEN PERMANENT PAVEMENT MARKINGS ARE INSTALLED, SIGNS SHALL BE UNCOVERED.

STEP 2 SHOULD OCCUR AS CLOSE TO STEP 3 AS POSSIBLE IN ORDER TO REDUCE DRIVER CONFUSION AND MINIMIZE CHANCES OF SIGN COVERINGS COMING OFF.

THE WORK ZONE LANE LINE, CLASS III MARKINGS NEED NOT BE REMOVED PRIOR TO INSTALLATION OF PERMANENT CENTER LINE.

# TRAFFIC CONTROL INSPECTOR:

THE CONTRACTOR SHALL DESIGNATE AN INDIVIDUAL OTHER THAN THE SUPERINTENDENT AND SUBJECT TO THE APPROVAL OF THE ENGINEER, TO CONTINUOUSLY INSPECT ALL TRAFFIC CONTROL DEVICES WHENEVER CONSTRUCTION WORK IS BEING PERFORMED WITHIN THE WORK LIMITS OF THE PROJECT. THE DESIGNATED INDIVIDUAL SHALL ALSO INSPECT ALL TRAFFIC DEVICES AT THE BEGINNING AND AT THE END OF EACH WORK DAY. THE DESIGNATED INDIVIDUAL OR QUALIFIED REPRESENTATIVE SHALL ALSO BE AVAILABLE ON AN AROUND THE CLOCK BASIS TO REPAIR AND/OR REPLACE DAMAGED OR MISSING TRAFFIC CONTROL DEVICES. THESE INDIVIDUALS SHALL BE EQUIPPED WITH CELLULAR PHONES AND THEIR NAMES AND PHONE NUMBERS SHALL BE GIVEN TO THE PROJECT ENGINEER AT THE PRE—CONSTRUCTION MEETING. THE DESIGNATED INDIVIDUAL MAY HAVE OTHER CONSTRUCTION RELATED DUTIES AS LONG AS IMMEDIATE ATTENTION IS GIVEN TO TRAFFIC CONTROL. PAYMENT FOR THE SERVICES OF THE TRAFFIC CONTROL INSPECTOR SHALL BE INCLUDED IN THE LUNP SUM PRICE BID FOR ITEM 614 MAINTAINING TRAFFIC.

#### <u>ITEM 614 — LAW ENFORCEMENT OFFICER WITH PARTOL CAR FOR</u> ASSISTANCE:

IN ADDITION TO THE REQUIREMENTS OF CMS 614 AND THE OMUTCD, A UNIFORMED LAW ENFORCEMENT OFFICER (LEO) WITH AN OFFICIAL PATROL CAR (CAR WITH TOP—MOUNTED EMERGENCY FLASHING LIGHTS AND COMPLETE MARKINGS OF THE APPROPRIATE LAW ENFORCEMENT AGENCY) SHALL BE PROVIDED FOR CONTROLLING TRAFFIC AS DIRECTED BY THE ENGINEER FOR THE FOLLOWING TASKS:

1. FOR LANE CLOSURES: DURING INITIAL SET—UP PERIODS, TEAR DOWN PERIODS, SUBSTANTIAL SHIFTS OF A CLOSURE POINT OR WHEN NEW LANE CLOSURE ARRANGEMENTS ARE INITIATED.

LAW ENFORCEMENT OFFICERS SHOULD NOT BE USED WHERE THE OMUTCD INTENDS THAT FLAGGERS BE USED. THE LEO'S ARE CONSIDERED TO BE EMPLOYED BY THE CONTRACTOR AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR THEIR ACTIONS. ALTHOUGH THEY ARE EMPLOYED BY THE CONTRACTOR, THE PROJECT ENGINEER SHALL HAVE CONTROL OVER THEIR PLACEMENT. THE OFFICIAL PATROL CAR SHALL BE A PUBLIC SAFETY VEHICLE AS REQUIRED BY THE OHIO REVISED CODE.

THE CONTRACTOR SHALL MAKE ARRANGEMENTS FOR THESE SERVICES WITH:

CITY OF CANTON POLICE DEPARTMENT 221 THIRD STREET S.W. CANTON, OHIO 44702 330-489-3111

LAW ENFORCEMENT OFFICERS WITH PATROL CAR REQUIRED BY THE TRAFFIC MAINTENANCE TASKS ABOVE SHALL BE PAID FOR ON A UNIT PRICE (HOURLY) BASIS UNDER ITEM 614, LAW ENFORCEMENT OFFICER WITH PATROL CAR. THE FOLLOWING ESTIMATED QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY:

ITEM 614, LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE 40 HOURS

THE HOURS PAID SHALL INCLUDE MINIMUM SHOW—UP TIME REQUIRED BY THE LAW ENFORCEMENT AGENCY INVOLVED.

IF THE CONTRACTOR WISHES TO UTILIZE LEO'S FOR FLAGGING AND TRAFFIC CONTROL OTHER THAN FOR THAT REQUIRED IN THESE PLANS, HE MAY DO SO AT HIS OWN EXPENSE. PAYMENT FOR THE EXCESS ABOVE THE CONTRACT REQUIREMENTS WILL BE INCLUDED UNDER ITEM 614 MAINTAINING TRAFFIC.

# RAILROAD COORDINATION

THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION WITH THE APPROPRIATE RAILROAD WHEN WORKING NEAR/ACROSS TRACKS. EACH RAILROAD MAY REQUIRE FLAGGERS DURING THE CONTRACTOR'S OPERATIONS

THE CONTRACTOR SHALL COORDINATE AND MAKE ARRANGEMENTS FOR THESE SERVICES WITH:

WHEELING AND LAKE ERIE RAILWAY COMPANY HEIDI ROWLANDS, FLAGGING SCHEDULER 330-767-7229

NORFOLK SOUTHERN BRYAN TAYLOR, TRACK SUPERVISOR 412-495-3940

COST OF RAILROAD FLAGGERS SHALL BE INCLUDED UNDER ITEM 614 MAINTAINING TRAFFIC.

# CONTRACTOR'S EQUIPMENT - OPERATION AND STORAGE:

A QUALIFIED FLAGGER SHALL BE EMPLOYED WHERE THE CONTRACTOR'S EQUIPMENT MUST MERGE WITH THE TRAFFIC STREAM. THE CONTRACTOR'S EQUIPMENT SHALL BE EQUIPPED WITH AT LEAST ONE AMBER FLASHING LIGHT. PAVERS, ROLLERS AND OTHER EQUIPMENT MAY NOT BE PARKED ON CLEVELAND AVENUE, BUT MAY BE PARKED ON SIDE STREETS, WITH THE ENGINEER'S APPROVAL, WHEN PAVING OPERATIONS ARE SCHEDULED TO CONTINUE WITHIN THE NEXT WORKDAY. OTHERWISE THE EQUIPMENT SHALL BE STORED AT A STORAGE AREA OUTSIDE THE R/W, THE LOCATION OF WHICH SHALL HAVE PRIOR APPROVAL OF THE ENGINEER. WHEN PARKING ALONG A SIDE STREET, ADEQUATE BARRICADES AND LIGHTS SHALL BE PLACED ON THE PAVEMENT SIDE OF THE EQUIPMENT, INCLUDING PRIVATE VEHICLES, SHALL BE STORAGE AT THE APPROVED CONTRACTOR'S STORAGE AREA. NO EQUIPMENT SHALL BE PARKED ON PRIVATE PROPERTY UNLESS PRIOR APPROVAL OF THE OWNER AND THE PROJECT ENGINEER HAS BEEN GRANTED.

OFFICE OF THE CITY ENGINEER
CANTON, OHIO
DANIEL J. MOEGLIN, P.E., CITY ENGINEER
2436 JOHN STREET N.E. 44706 (330)469-3381

MAINTENANCE OF TRAFFIC 3RD ST. SE RESURFACING

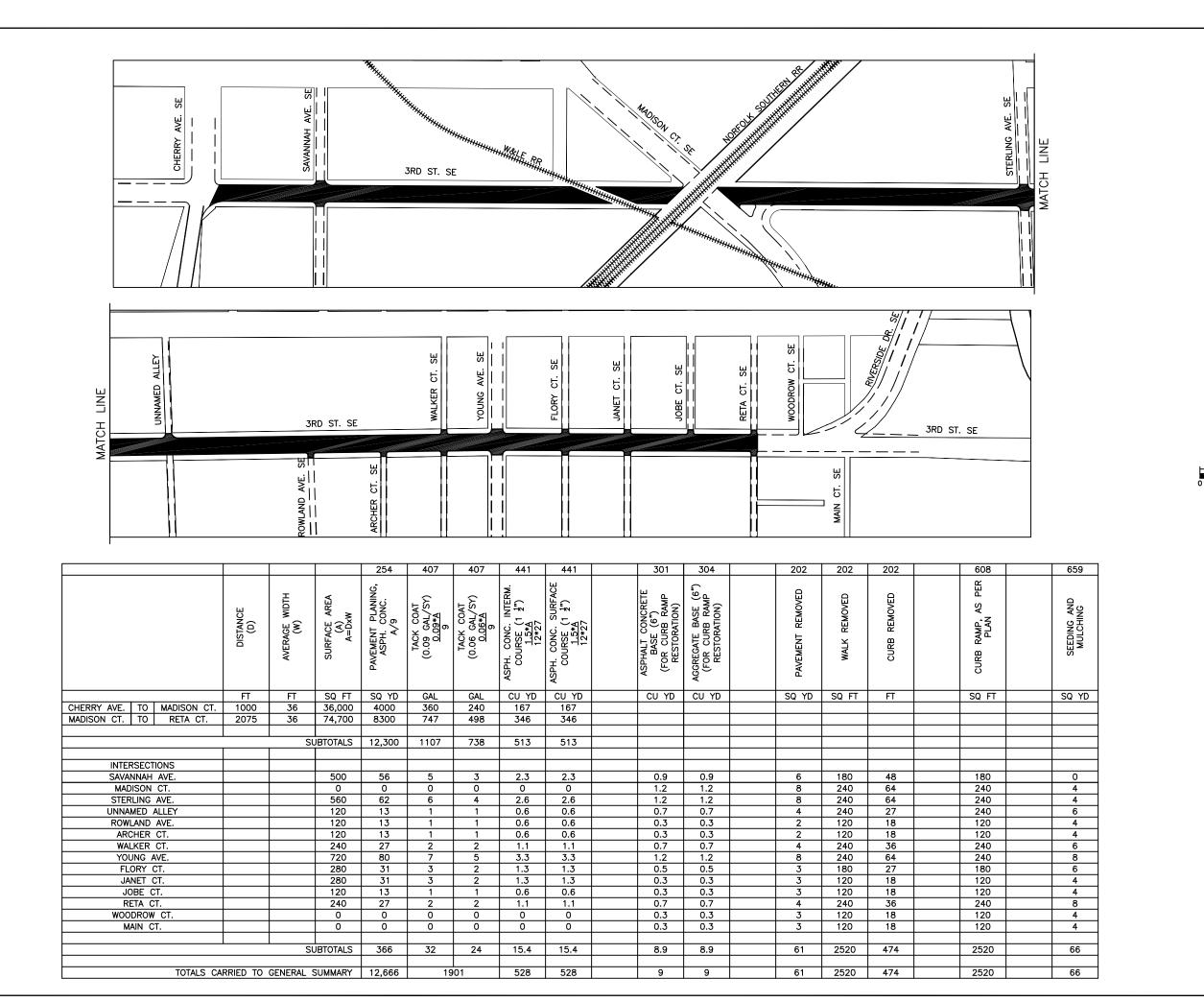
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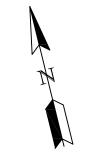
								ITEM	GRAND		
			4	5	6	8	ITEM	EXT.	TOTAL	UNIT	DESCRIPTION
	+			_	<u> </u>						DOADWAY
											ROADWAY
						61	202	23000	61	SY	PAVEMENT REMOVED
	++	$\longmapsto$	500 100		-	2520 474	202 202	30000 32500	3020 574	SF FT	WALK REMOVED  CURB REMOVED
	++		100		<del>                                     </del>	+/+	203	30000	100	CY	EXCAVATION
			500				608	12000	500	SF	5" CONCRETE WALK
	++	$\longrightarrow$	100			2520	608	52001	2520	SF	CURB RAMP, AS PER PLAN
	+	$\vdash$	100				609	26000	100	FT	CURB, TYPE 6
	+					66	659	10000	66	SY	SEEDING AND MULCHING
											PAVEMENT
	+	$\vdash$	400				251	01000	400	SY	PARTIAL DEPTH PAVEMENT REPAIR
	+		400				253	01001	400	SY	PAVEMENT REPAIR, AS PER PLAN
			1000				254	01600	1000	SY	PATCHING PLANED SURFACE
	$\longrightarrow$					12666	254	01000	12,666	SY	PAVEMENT PLANING, ASPHALT CONCRETE
	+	$\vdash$	90				255	10010	90	SY	FULL DEPTH PAVEMENT REMOVAL AND RIGID PAVEMENT REPLACEMENT, CLASS QC1
	+		600		<del> </del>		255	20000	600	FT	FULL DEPTH PAVEMENT SAWING
	+	$\Box$				9	301	46000	9	CY	ASPHALT CONCRETE BASE, PG64-22
	+	<del>                                     </del>	100		-	9	304	20000	109	CY	AGGREGATE BASE
	+	<del>                                     </del>				1901	407	10000	1901	GAL	TACK COAT
 						528	441	50200	528	CY	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, (448)
						528	441	50100	528	CY	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG70-22M
 	++	$\longrightarrow$									
	+	$\longrightarrow$									
											SEWERS & WATER
				5			611	98630	5	EACH	CATCH BASIN ADJUSTED TO GRADE
 	++	$\longrightarrow$		2			611	98634	2	EACH	CATCH BASIN RECONSTRUCTED TO GRADE
	+	$\vdash$		5 12			611 611	99655 99655	5 12	EACH EACH	MANHOLE ADJUSTED TO GRADE, AS PER PLAN (STORM) MANHOLE ADJUSTED TO GRADE, AS PER PLAN (SANITARY)
	+			2			611	99660	2	EACH	MANHOLE RECONSTRUCTED TO GRADE
	$\longrightarrow$			17500			611	99820	17500	POUNDS	SPECIAL - MISCELLANEOUS METAL
	++	$\vdash$		5			638	10800	5	EACH	VALVE BOX ADJUSTED TO GRADE
							000	10000	<del>                                     </del>	LACIT	VALVE BOX ADVOSTED TO GRADE
											TRAFFIC CONTROL
	+	$\vdash$		274			630	03100	274	FT	GROUND MOUNTED SUPPORT, NO. 3 POST
	+			260			630	80100	260	SF	SIGN, FLAT SHEET
				30			630	83000	30	EACH	COVERING OF SIGN
				29			630	84900	29	EACH	REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL
	+	$\longrightarrow$		10			630	86002	10	EACH	REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL
	+	<del>                                     </del>					630	87400		EACH	REMOVAL OF OVERHEAD MOUNTED SIGN AND DISPOSAL
 				0.33			644	00200	0.33	MILE	LANE LINE, 4"
				0.40			644	00300	0.40	MILE	CENTER LINE
 	+	<del>                                     </del>		150 74			644 644	00400 00500	150 74	FT	CHANNELIZING LINE, 8" STOP LINE
	+	<del>                                     </del>		240	<del>                                     </del>	<del>                                     </del>	644	00500	1050	FT FT	CROSSWALK LINE
	+ +			2			644	01000	2	EACH	RAILROAD SYMBOL MARKING
				9			644	01300	9	EACH	LANE ARROW
	+	$\Box$		23			644	19000	23	EACH	SHARED LANE MARKING
 	+	<del>                                     </del>			-						
 	+										MAINTENANCE OF TRAFFIC
 											MAINTENANCE OF TRAFFIC
	$\bot$	$\Box$			40		614	11100	40	HOUR	LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE
	+	$\vdash$			50 16		614 614	12460 13000	50 16	EACH EACH	ASPHALT CONCRETE FOR MAINTAINING TRAFFIC  WORK ZONE SIGN (ALL PHASES)
 	+				1.2		614	20400	1.2	MILE	WORK ZONE SIGN (ALL PHASES)  WORK ZONE LANE LINE, CLASS II
 					0.6		614	20550	0.6	MILE	WORK ZONE LANE LINE, CLASS III, 642 PAINT
	+	<del>                                     </del>									
											MISCELLANEOUS
	+						614	11000	LUMP		MAINTAINING TRAFFIC
	+						623	10000	LUMP		CONSTRUCTION LAYOUT STAKING
							004	10000	LUMP		MOBILIZATION
							624	10000	LUMP		MOBILIZATION
							624	10000	LOMP		MOBILIZATION
							624	10000	LOMP		MOBILIZATION

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GENERAL SUMMARY 3RD ST. SE RESURFACING

	REVISIONS 8/13/2	8/13/21 NJL
: Gen Sum		





SE RESURFACING PLAN ST. 3RD

OFFICE OF THE CITY ENGINEER CANTON, OHIO
DANIEL J. MOEGLIN, P.E., CITY ENGINEER
2435 30th STREET N.E. 47005 (330)489-3381

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SHEET 8 OF 8	FILE NAME: Plan 1		