

Addendum 1

City of Canton, Ohio
Purchasing Department
218 Cleveland Ave. SW, 4th floor
Canton, Ohio 44702

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

Item/Project

Engineering Department

Responsible Department

Tuesday, August 31, 2021 at 2:00 PM local time

Bids Due

Bid Proposal Submitted By:

Company Name

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.

Item 2:

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. Num.	Item Num.	Item Description	Est. Qty.	Unit	Labor Unit Price	Material Unit Price	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.			

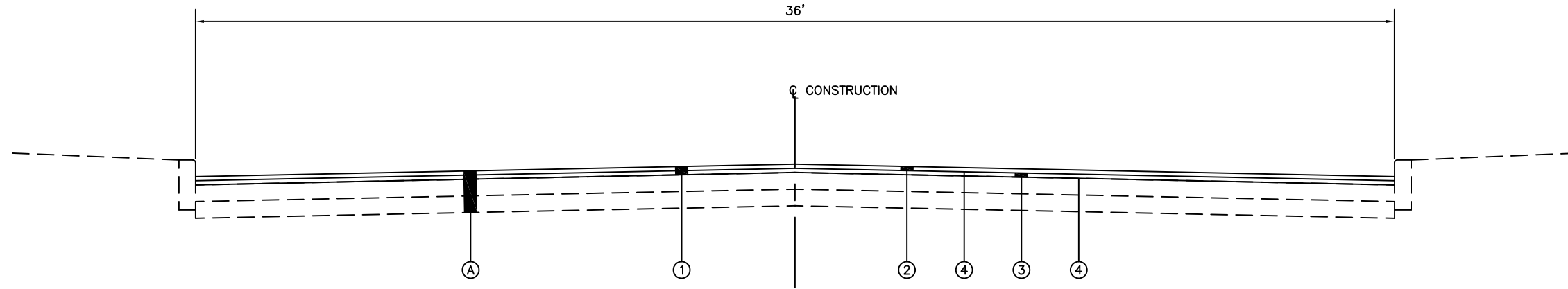
16	304	Aggregate Base	109	C.Y.			
17	407	Tack Coat	1,901	Gal.			
18	441	Asphalt Concrete Intermediate Course, Type 1 , (448)	528	C.Y.			
19	411	Asphalt Concrete Surface Course, Type 1 , (448), PG70-22M	528	C.Y.			
20	611	Catch Basin Adjusted to Grade	2	EA			
21	611	Catch Basin Reconstructed to Grade	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			
TOTAL:							

Base Bid Price in Figures: _____

Base Bid Price in Words: _____

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



LEGEND

- 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

- Ⓐ EXISTING ASPHALT PAVEMENT

DATE: 6/9/21	DRAWN BY: N/L	REVISIONS	BY
H. SCALE: N/A	APPROVED BY:	DESCRIPTION	DATE
V. SCALE: N/A	FIELD BOOK:		
SHEET 2 OF 8	FILE NAME: 3RD ST TYP SECT		

TYPICAL SECTION
3RD ST. SE RESURFACING

OFFICE OF THE CITY ENGINEER
CANTON, OHIO
DANIEL J. MOEGLIN, P.E., CITY ENGINEER
2436 30th STREET N.E. 44705 (330)488-3361

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 DEPARTMENTS.

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

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 TESTED 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 AN ADDITIONAL COST TO THE CITY.

ALL 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 CONSTRUCTION.

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 GOVERNING AGENCIES.

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

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 FULL LOAD.

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 PRESENT.

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 TABULATION.

RESTORATION OF DISTURBED AREAS:

EXISTING DRIVES, BERMS, LAWNS, PAVEMENTS, CURBS, SIDEWALKS, SIGNS, MAILBOXES 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 NUMBER.

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) EXPANSION 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 ARE AS FOLLOWS:

- (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 PROHIBITED.

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 INCHES.

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 500 S.F.
202, CURB REMOVED 100 FEET
608, 5" CONCRETE WALK 500 S.F.
609, CURB, TYPE 6 100 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. THE FOLLOWING ESTIMATED QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY:
ITEM 203, EXCAVATION 100 CU. YD.

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.
255, FULL DEPTH PAVEMENT SAWING 600 FEET

DATE: 6/14/21	BY	DATE	REVISIONS
	H. SCALE: N/A	DESCRIPTION	
V. SCALE: N/A	FIELD BOOK:	3rd St Gen Notes 2	
SHEET 4 OF 8	FILE NAME:		

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 5 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 2 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 2 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) 12 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. E.

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

SIGNING PLAN

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	274 FOOT
630, SIGN, FLAT SHEET	260 S.F.
630, COVERING OF SIGN	30 EACH
630, REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL	29 EACH
630, REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL	10 EACH
630, REMOVAL OF OVERHEAD MOUNTED SIGN AND DISPOSAL	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 N.E. 44705 (330)488-3381	
GENERAL NOTES 3RD ST. SE RESURFACING	
DATE: 6/14/21	BY:
H. SCALE: N/A	DATE:
V. SCALE: N/A	REVISIONS:
SHEET 5 OF 8	DESCRIPTION:
	DRAWN BY: NUL
	APPROVED BY:
	FIELD BOOK:
	FILE NAME: 3rd St Gen Notes 3

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 50 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, 0.60 MILE

SURFACE COURSE
614, WORK ZONE LANE LINE, CLASS III, 642 PAINT 0.60 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 LUMP SUM PRICE BID FOR ITEM 614 MAINTAINING TRAFFIC.

ITEM 614 - LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR 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:

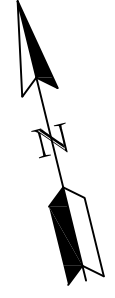
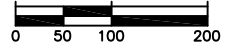
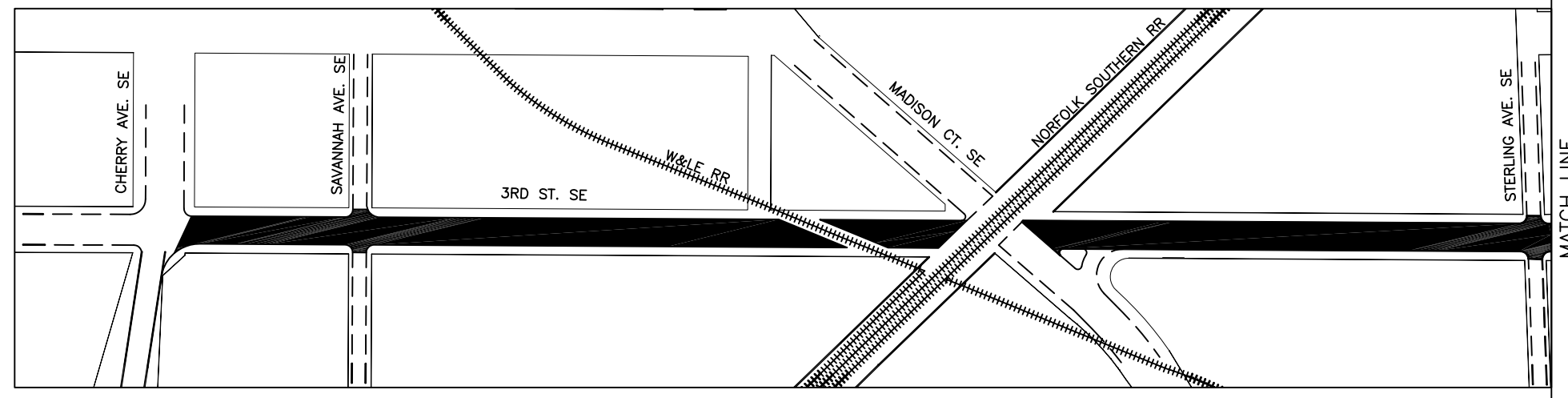
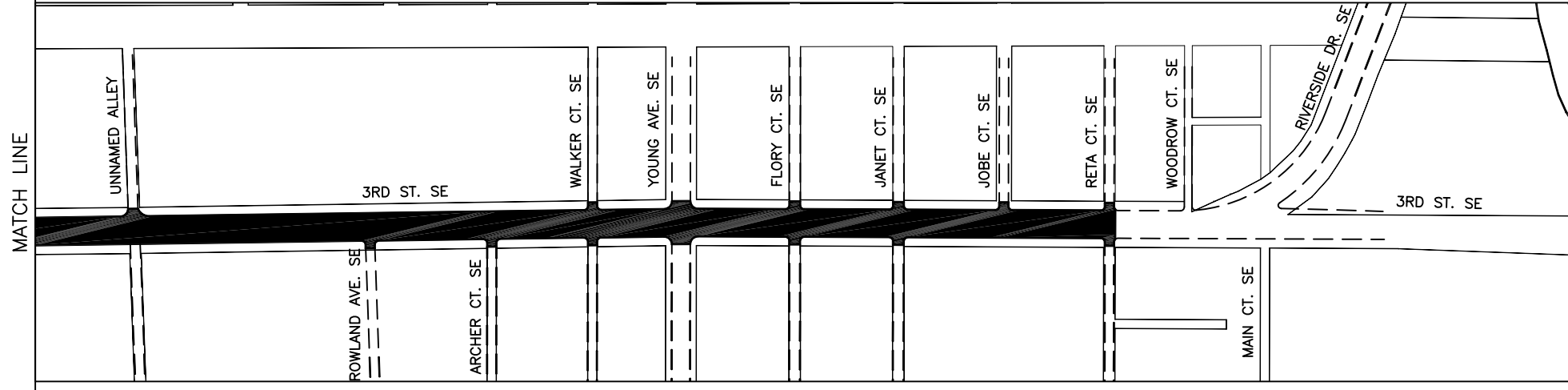
A QUALIFIED FLAGGER SHALL BE EMPLOYED WHERE THE CONTRACTOR'S EQUIPMENT MUST MERGE WITH THE TRAFFIC STREAM. THE CONTRACTOR'S EQUIPMENT SHALL BE EQUIPPED WITH AT LEAST ONE AMBER FLASHING LIGHT. PAVERS, ROLLERS AND OTHER EQUIPMENT MAY NOT BE PARKED ON CLEVELAND AVENUE, BUT MAY BE PARKED ON SIDE STREETS, 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 TO IDENTIFY THE LIMITS OF THE EQUIPMENT. ALL OTHER 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.

DATE: 8/6/21		DRAWN BY: NUL		REVISIONS		BY	
H. SCALE: N/A		APPROVED BY:		DESCRIPTION		DATE	
V. SCALE: N/A		FIELD BOOK:		MAINTENANCE OF TRAFFIC			
SHEET 6 OF 8		FILE NAME: 3rd St. MOT		3RD ST. SE RESURFACING			
OFFICE OF THE CITY ENGINEER CANTON, OHIO				DANIEL J. MOEGLIN, P.E., CITY ENGINEER 2436 30th STREET N.E. 44705 (330)489-3381			

				4	5	6	8		ITEM	ITEM EXT.	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
													ROADWAY	
							61		202	23000	61	SY	PAVEMENT REMOVED	
				500			2520		202	30000	3020	SF	WALK REMOVED	
				100			474		202	32500	574	FT	CURB REMOVED	
				100					203	30000	100	CY	EXCAVATION	
				500					608	12000	500	SF	5" CONCRETE WALK	
							2520		608	52001	2520	SF	CURB RAMP, AS PER PLAN	4
				100					609	26000	100	FT	CURB, TYPE 6	4
							66		659	10000	66	SY	SEEDING AND MULCHING	
													PAVEMENT	
				400					251	01000	400	SY	PARTIAL DEPTH PAVEMENT REPAIR	4
				400					253	01001	400	SY	PAVEMENT REPAIR, AS PER PLAN	4
				1000					254	01600	1000	SY	PATCHING PLANED SURFACE	4
							12666		254	01000	12,666	SY	PAVEMENT PLANING, ASPHALT CONCRETE	
				90					255	10010	90	SY	FULL DEPTH PAVEMENT REMOVAL AND RIGID PAVEMENT REPLACEMENT, CLASS QC1	4
				600					255	20000	600	FT	FULL DEPTH PAVEMENT SAWING	4
							9		301	46000	9	CY	ASPHALT CONCRETE BASE, PG64-22	
				100			9		304	20000	109	CY	AGGREGATE BASE	
							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	
													SEWERS & WATER	
					5				611	98630	5	EACH	CATCH BASIN ADJUSTED TO GRADE	5
					2				611	98634	2	EACH	CATCH BASIN RECONSTRUCTED TO GRADE	5
					5				611	99655	5	EACH	MANHOLE ADJUSTED TO GRADE, AS PER PLAN (STORM)	5
					12				611	99655	12	EACH	MANHOLE ADJUSTED TO GRADE, AS PER PLAN (SANITARY)	5
					2				611	99660	2	EACH	MANHOLE RECONSTRUCTED TO GRADE	
							17500		611	99820	17500	POUNDS	SPECIAL - MISCELLANEOUS METAL	5
					5				638	10800	5	EACH	VALVE BOX ADJUSTED TO GRADE	5
													TRAFFIC CONTROL	
					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	
					10				630	86002	10	EACH	REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL	
					2				630	87400	2	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	
					150				644	00400	150	FT	CHANNELIZING LINE, 8"	
					74				644	00500	74	FT	STOP LINE	
					240				644	00600	1050	FT	CROSSWALK LINE	
					2				644	01000	2	EACH	RAILROAD SYMBOL MARKING	
					9				644	01300	9	EACH	LANE ARROW	
					23				644	19000	23	EACH	SHARED LANE MARKING	
													MAINTENANCE OF TRAFFIC	
						40			614	11100	40	HOUR	LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE	6
					50				614	12460	50	EACH	ASPHALT CONCRETE FOR MAINTAINING TRAFFIC	6
					16				614	13000	16	EACH	WORK ZONE SIGN (ALL PHASES)	
					1.2				614	20400	1.2	MILE	WORK ZONE LANE LINE, CLASS II	
					0.6				614	20550	0.6	MILE	WORK ZONE LANE LINE, CLASS III, 642 PAINT	
													MISCELLANEOUS	
									614	11000	LUMP		MAINTAINING TRAFFIC	
									623	10000	LUMP		CONSTRUCTION LAYOUT STAKING	
									624	10000	LUMP		MOBILIZATION	

DATE: 8/6/21	REVISIONS	8/13/21	N/L
H. SCALE: N/A	FIXED TITLE BLOCK		
V. SCALE: N/A			
SHEET 7 OF 8			
DRAWN BY: N/L APPROVED BY: FIELD BOOK: FILE NAME: Gen Sum			
OFFICE OF THE CITY ENGINEER CANTON, OHIO DANIEL J. MOEGLIN, P.E., CITY ENGINEER 2436 30th STREET N.E. 44705 (330)488-3381			
GENERAL SUMMARY 3RD ST. SE RESURFACING			

			DISTANCE (D)	AVERAGE WIDTH (W)	SURFACE AREA (A) A=DxW	PAVEMENT PLANING, ASPH. CONC. A/9	TACK COAT (0.09 GAL/SY) 0.09*A	TACK COAT (0.06 GAL/SY) 0.06*A	ASPH. CONC. INTERM. COURSE (1 1/2") 1.5*A 12*27	ASPH. CONC. SURFACE COURSE (1 1/2") 1.5*A 12*27		ASPHALT CONCRETE BASE (6") (FOR CURB RAMP RESTORATION)	AGGREGATE BASE (6") (FOR CURB RAMP RESTORATION)		PAVEMENT REMOVED	WALK REMOVED	CURB REMOVED		CURB RAMP, AS PER PLAN	SEEDING AND MULCHING	
			FT	FT	SQ FT	SQ YD	GAL	GAL	CU YD	CU YD		CU YD	CU YD		SQ YD	SQ FT	FT		SQ FT	SQ YD	
CHERRY AVE.	TO	MADISON CT.	1000	36	36,000	4000	360	240	167	167											
MADISON CT.	TO	RETA CT.	2075	36	74,700	8300	747	498	346	346											
SUBTOTALS						12,300	1107	738	513	513											
INTERSECTIONS																					
SAVANNAH AVE.					500	56	5	3	2.3	2.3		0.9	0.9		6	180	48		180	0	
MADISON CT.					0	0	0	0	0	0		1.2	1.2		8	240	64		240	4	
STERLING AVE.					560	62	6	4	2.6	2.6		1.2	1.2		8	240	64		240	4	
UNNAMED ALLEY					120	13	1	1	0.6	0.6		0.7	0.7		4	240	27		240	6	
ROWLAND AVE.					120	13	1	1	0.6	0.6		0.3	0.3		2	120	18		120	4	
ARCHER CT.					120	13	1	1	0.6	0.6		0.3	0.3		2	120	18		120	4	
WALKER CT.					240	27	2	2	1.1	1.1		0.7	0.7		4	240	36		240	6	
YOUNG AVE.					720	80	7	5	3.3	3.3		1.2	1.2		8	240	64		240	8	
FLORY CT.					280	31	3	2	1.3	1.3		0.5	0.5		3	180	27		180	6	
JANET CT.					280	31	3	2	1.3	1.3		0.3	0.3		3	120	18		120	4	
JOBE CT.					120	13	1	1	0.6	0.6		0.3	0.3		3	120	18		120	4	
RETA CT.					240	27	2	2	1.1	1.1		0.7	0.7		4	240	36		240	8	
WOODROW CT.					0	0	0	0	0	0		0.3	0.3		3	120	18		120	4	
MAIN CT.					0	0	0	0	0	0		0.3	0.3		3	120	18		120	4	
SUBTOTALS						366	32	24	15.4	15.4		8.9	8.9		61	2520	474		2520	66	
TOTALS CARRIED TO GENERAL SUMMARY						12,666	1901	528	528			9	9		61	2520	474		2520	66	



DATE: 6/4/20
SHEET 8 OF 8

DRAWN BY: NJL
APPROVED BY:
FIELD BOOK:
FILE NAME: Plan 1

REVISIONS	FIXED TITLE BLOCK
8/13/21	NJL

PLAN
3RD ST. SE RESURFACING

OFFICE OF THE CITY ENGINEER
CANTON, OHIO
DANIEL J. MOEGLIN, P.E., CITY ENGINEER
2436 30th STREET N.E. 44705 (330)488-3381