

UTILITIES

THE CONTRACTOR SHALL USE THE FOLLOWING PROCEDURE AT EACH LOCATION WHERE WORK IS PERFORMED, IN ACCORDANCE WITH SECTIONS 105.07 AND 107.16 IN THE CONSTRUCTION AND MATERIALS SPECIFICATIONS.

THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER, OHIO811, THE OHIO DEPARTMENT OF TRANSPORTATION DISTRICT 4 HEADQUARTERS (MICHELLE CHANEY AT 330-786-2267) AND ALL NON REGISTERED UTILITY OWNERS AT LEAST TWO (2) WORKING DAYS PRIOR TO COMMENCING CONSTRUCTION OPERATIONS IN ALL AREAS.

THE LOCATION OF EXISTING UNDERGROUND UTILITIES ARE NOT SHOWN ON THE PLANS, BUT CAN BE OBTAINED FROM THE OWNERS OF THE UTILITIES. THE CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO UTILITIES.

- Ashtabula County Dept. of Environmental Services (water)

ATTN: Ed Spoor
P. O. Box 520
36 West Walnut Street
Jefferson, OH 44047
Phone: (440) 576-3722
Cell: (440) 969-4772
ELSpoor@ashtabulacounty.us

- Ashtabula County Dept. of Environmental Services (sewer)

ATTN: Kyle Butcher
P. O. Box 520
36 West Walnut Street
Jefferson, OH 44047
Phone: (440) 576-3722
Cell: (440) 969-4925
RKButcher@ashtabulacounty.us

- Aqua Ohio (Stark County)

ATTN: Zach Tallmadge
6650 South Ave.
Boardman, OH 44512
330-397-0776
814-490-5755 Cell
ztallmadge@aquaamerica.com

- Charter

ATTN: Jason Sprague
2904 State Road
Ashtabula, OH 44004
216-575-8016 Ext 216-555-5740
440-361-0024 Cell
jason.sprague@charter.com

- Dominion Energy

ATTN: Micah Risacher
320 Springside Drive
Suite 320
Akron, OH 44333
330-664-2638
440-371-1533 Cell
Micah.J.Risacher@dominionenergy.com

- GreatWave Communications

ATTN Don Zappitelli
224 State St.
Conneaut, OH 44030
(440) 593-7100
donzapp@greatwavcom.com

- The Illuminating Company

ATTN: John Zassick
6896 Miller Road
Brecksville, Ohio 44141
440-546-8706
216-538-1580 Cell
jmzassick@firstenergycorp.com

- Windstream

ATTN: Ramon French
205 S. Hambden Street
Chardon, OH 44024
440-285-5537
440-958-7866 Cell
ramon.french@windstream.com

WORK LIMITS

THE WORK LIMITS SHOWN ON THESE PLANS ARE FOR PHYSICAL CONSTRUCTION ONLY. PROVIDE THE INSTALLATION AND OPERATION OF ALL WORK ZONE TRAFFIC CONTROL AND WORK ZONE TRAFFIC CONTROL DEVICES REQUIRED BY THESE PLANS WHETHER INSIDE OR OUTSIDE THESE WORK LIMITS.

PROFILE AND ALIGNMENT

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

PAVEMENT MARKING LANE WIDTHS

THE NORMAL LANE WIDTH FOR THE PAVEMENT MARKINGS ON THIS PROJECT SHALL BE AS FOLLOWS:

ROUTE	S.L.M. TO S.L.M.	LANE WIDTH
ATB-11NB	22.16 TO 29.04	12'
ATB-11SB	22.16 TO 29.04	12'

ITEM 617 - COMPACTED AGGREGATE, AS PER PLAN

IN LOW SHOULDER AREAS EXCEEDING 1", AND ADJACENT TO THE SAFETY EDGE, OR AS DIRECTED BY THE ENGINEER, RECYCLED ASPHALT PAVEMENT (RAP) SHALL BE USED IN AREAS ADJACENT TO THE PAVED BERM. THE RAP SHALL HAVE A MINIMUM PG CONTENT OF 4.5% AND MEET THE FOLLOWING GRADATION. ONCE THE STOCKPILE MEETS THE GRADATION, THE PG CONTENT OF THE RAP SHALL BE DETERMINED PER 441.03. THE RAP ANALYSIS MUST BE SUBMITTED TO THE ENGINEER FOR APPROVAL 2 WEEKS PRIOR TO USE. METHOD OF MEASUREMENT SHALL BE AS PER 617.06. PLACEMENT AND COMPACTION SHALL MEET THE REQUIREMENTS OF ITEM 617. ALL MATERIALS, LABOR, EQUIPMENT, TOOLS AND INCIDENTALS NECESSARY TO COMPLETE THE WORK SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 617 COMPACTED AGGREGATE, AS PER PLAN.

MODIFIED GRADATION SHALL APPLY:

SIEVE	TOTAL PERCENT PASSING
1- 1/2"	100
3/4"	50-100
NO. 4	35-70
NO. 30	9-33
NO. 200	0-13

corrected item

PAVEMENT TRANSITION AT STRUCTURES

THE CONTRACTOR SHALL USE ITEM 254, PAVEMENT PLANING, ASPHALT CONCRETE, AND, IF NECESSARY, ITEM 251, PARTIAL DEPTH PAVEMENT REPAIRS, AS DIRECTED BY THE PROJECT ENGINEER, TO PROVIDE SMOOTH TRANSITIONS FROM THE APPROACH PAVEMENT TO THE APPROACH SLABS AT ALL STRUCTURES ON MAINLINE ATB-11. THIS WORK SHALL BE IN ACCORDANCE WITH STANDARD CONSTRUCTION DRAWING BP-3.1

ITEM 618 - RUMBLE STRIPS

TRANSVERSE RUMBLE STRIPS SHALL BE INSTALLED AT THE FOLLOWING LOCATIONS FOR EACH LANE OF TRAFFIC IN ACCORDANCE WITH SCD BP-9.2:

- ATB-11 NB, SLM 28.76
- ATB-11 NB, SLM 28.81
- ATB-11 NB, SLM 28.86
- ATB-11 NB, SLM 28.89
- ATB-11 NB, SLM 28.90

618, RUMBLE STRIPS, TRANSVERSE (ASPHALT CONCRETE), 10 EACH

ITEM 255 - FULL DEPTH REMOVAL AND RIGID REPLACEMENT; CLASS QC1

A QUANTITY OF THIS ITEM SHALL BE PROVIDED FOR USE AS DIRECTED BY THE ENGINEER. THIS ITEM SHALL CONSIST OF CUTTING AND REMOVING DETERIORATED PAVEMENT FULL DEPTH AND PLACING 12" +/- 0.5" OF CLASS QC1 CONCRETE. IT IS NOT THE INTENT TO REPAIR EVERY DETERIORATED AREA WITHIN THE PROJECT.

THE ENGINEER SHALL DETERMINE WHICH AREAS ARE TO BE REPAIRED. PAYMENT SHALL BE BASED ON THE ACTUAL NUMBER OF SQUARE YARDS OF PAVEMENT REMOVED AND REPLACED TO THE LIMITS DESIGNATED BY THE ENGINEER. THE REPAIR LOCATIONS MUST BE DOCUMENTED FOR FUTURE REFERENCE. EXISTING ASPHALT PATCHES SHALL ALSO BE CONSIDERED AREAS THAT NEED REPAIRED.

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY:

- 255, FULL DEPTH REMOVAL AND RIGID REPLACEMENT, CLASS QC1, 1,500 SY
- ITEM 255 - FULL DEPTH PAVEMENT SAWING, 9,000 FT

ITEM 203 - EXCAVATION (FOR PAVEMENT REPAIR)

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 INCHES 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 (FOR PAVEMENT REPAIR). THE FOLLOWING ESTIMATED QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY:

- 203, EXCAVATION (FOR PAVEMENT REPAIR), 250 CU YD

ITEM 304 - AGGREGATE BASE (FOR PAVEMENT REPAIR)

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 (FOR PAVEMENT REPAIR). THE FOLLOWING ESTIMATED QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY:

- 304, AGGREGATE BASE (FOR PAVEMENT REPAIR), 250 CU. YD.

ITEM 408 - PRIME COAT, AS PER PLAN

APPLY "MC-70" AT A RATE OF 0.4 GALLONS PER SQUARE YARD, OR AS DETERMINED BY THE ENGINEER, TO THE COMPLETED COMPACTED AGGREGATE SHOULDER.

ITEM 251 - PARTIAL DEPTH PAVEMENT REPAIR (441) (LONGITUDINAL)

A QUANTITY OF THIS ITEM SHALL BE PROVIDED FOR USE AS DIRECTED BY THE ENGINEER TO REPAIR PAVEMENT IN THE LONGITUDINAL DIRECTION. THE ITEM SHALL CONSIST OF REPAIRING EXISTING LOCATIONS EXHIBITING SURFACE DETERIORATION AND PLACING ITEM 441 ASPHALT CONCRETE, TYPE 2. THE ASPHALT CONCRETE SHALL BE COMPACTED WITH A TYPE I 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. PAVEMENT REPAIRS WILL BE MARKED IN THE FIELD BY THE PROJECT ENGINEER ACCORDING TO CMS 251.02. SHOULD THE CONTRACTOR ELECT TO REPAIR OUTSIDE OF THE MARKED AREAS THE CONTRACTOR SHALL NOT BE PAID FOR THE ADDITIONAL AREA. MINIMUM WIDTH IS 2'. UNLESS OTHERWISE DIRECTED BY THE ENGINEER, THIS ITEM SHALL BE PERFORMED AFTER THE COMPLETION OF MAINLINE PAVEMENT PLANING AND PRIOR TO THE PLACEMENT OF ASPHALT ON THE MILLED SURFACE. 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:

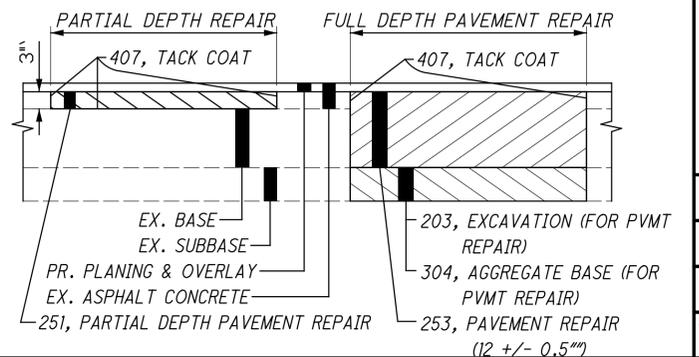
- 251, PARTIAL DEPTH PAVEMENT REPAIR (441) (LONGITUDINAL), 2000 SQ. YD.

ITEM 251 - PARTIAL DEPTH PAVEMENT REPAIR (441) (TRANSVERSE)

A QUANTITY OF THIS ITEM SHALL BE PROVIDED FOR USE AS DIRECTED BY THE ENGINEER TO REPAIR PAVEMENT IN THE TRANSVERSE DIRECTION. THE ITEM SHALL CONSIST OF REPAIRING EXISTING LOCATIONS EXHIBITING SURFACE DETERIORATION AND PLACING ITEM 441 ASPHALT CONCRETE, TYPE 2. THE ASPHALT CONCRETE SHALL BE COMPACTED WITH A TYPE I 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. PAVEMENT REPAIRS WILL BE MARKED IN THE FIELD BY THE PROJECT ENGINEER ACCORDING TO CMS 251.02. SHOULD THE CONTRACTOR ELECT TO REPAIR OUTSIDE OF THE MARKED AREAS THE CONTRACTOR SHALL NOT BE PAID FOR THE ADDITIONAL AREA. MINIMUM WIDTH IS 2'. UNLESS OTHERWISE DIRECTED BY THE ENGINEER, THIS ITEM SHALL BE PERFORMED AFTER THE COMPLETION OF MAINLINE PAVEMENT PLANING AND PRIOR TO THE PLACEMENT OF ASPHALT ON THE MILLED SURFACE. 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:

- 251, PARTIAL DEPTH PAVEMENT REPAIR (441) (TRANSVERSE), 2000 SQ. YD.



DESIGN AGENCY



DESIGNER	MRS
REVIEWER	TJP
PROJECT ID	01-31-23
SHEET	84625
TOTAL	P.4
	36

SR 11/E. 21ST ST. INTERCHANGE RAMP CLOSURES					
RAMP	PROPOSED WORK	PERMITTED CLOSURE TIME	DURATION	DETOUR ROUTE	APPROX. NUMBER OF PCMS
RAMP F-1 (SR 11 NB TO E. 21ST ST.)	RAMP PAVING	7:00 PM TO 6:00 AM WEEKLY	3 NIGHTS	SR 11 NB TO US 20, USE US 20 TO STATE RD. NB	3
RAMP F-2 (E. 21ST ST. TO SR 11 NB)	RAMP PAVING	7:00 PM TO 6:00 AM WEEKLY	3 NIGHTS	SR 11 SB, USE US 20 RAMPS	3
RAMP F-3 (E. 21ST ST. TO SR 11 SB)	RAMP PAVING	7:00 PM TO 6:00 AM WEEKLY	3 NIGHTS	STATE RD. SB TO US 20	3
RAMP F-4 (SR 11 SB TO E. 21ST ST.)	RAMP PAVING	7:00 PM TO 6:00 AM WEEKLY	3 NIGHTS	SR 11 SB, USE US 20 RAMPS	3

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SR 11/ SR 84 INTERCHANGE RAMP CLOSURES					
RAMP	PROPOSED WORK	PERMITTED CLOSURE TIME	DURATION	DETOUR ROUTE	APPROX. NUMBER OF PCMS
RAMP D-1 (SR 11 NB TO SR 84)	RAMP PAVING	7:00 PM TO 6:00 AM WEEKLY	3 NIGHTS	SR 11 NB, USE US 20 RAMPS	3
RAMP D-2 (SR 84 TO SR 11 NB)	RAMP PAVING	7:00 PM TO 6:00 AM WEEKLY	3 NIGHTS	SR 11 SB, USE SEVEN HILLS RAMPS	3
RAMP D-3 (SR 84 TO SR 11 SB)	RAMP PAVING	7:00 PM TO 6:00 AM WEEKLY	3 NIGHTS	SR 11 NB, USE US 20 RAMPS	3
RAMP D-4 (SR 11 SB TO SR 84)	RAMP PAVING	7:00 PM TO 6:00 AM WEEKLY	3 NIGHTS	SR 11 SB, USE SEVEN HILLS RAMPS	3

DESIGN AGENCY



DESIGNER
 MRS
 REVIEWER
 LB 01-13-23
 PROJECT ID
 84625
 SHEET TOTAL
 P.10A 36