

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.

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 DETAILS

THE PAVEMENT MARKING DETAIL SHEETS WILL BE SUPPLIED TO THE CONTRACTOR AT THE PRE-CONSTRUCTION MEETING. FOR ANY LOCATIONS THAT PAVEMENT MARKING DETAILS HAVE NOT BEEN MADE AVAILABLE TO THE CONTRACTOR, IT WILL BE THE CONTRACTORS RESPONSIBILITY TO PUT BACK NEW PAVEMENT MARKINGS IN THE ORIGINAL LOCATIONS.

PAVEMENT MARKING LANE WIDTHS

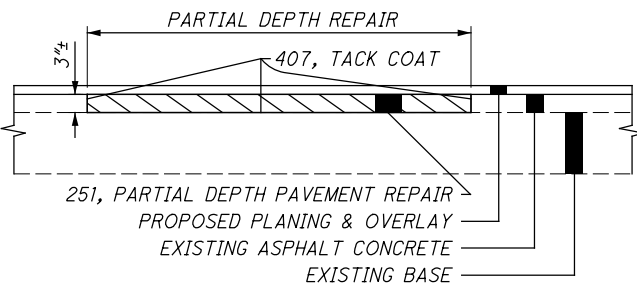
THE NORMAL LANE WIDTH FOR THE PAVEMENT MARKINGS ON THIS PROJECT SHALL BE AS FOLLOWS

ROUTE	S.L.M. TO	S.L.M.	LANE WIDTH
687	1.40	5.23	12
687	5.23	5.24	12
687	5.24	5.26	12

ITEM 251 - PARTIAL DEPTH PAVEMENT REPAIR (441)

A QUANTITY OF THIS ITEM SHALL BE PROVIDED FOR USE AS DIRECTED BY THE ENGINEER. 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. 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), 1100 SQ. YD.



ITEM 424 - FINE GRADED POLYMER ASPHALT CONCRETE, TYPE B (448), AS PER PLAN

703.05 DO NOT USE ANY AGGREGATE FROM A SOURCE DESIGNATED 'SR' OR 'SRH' ACCORDING TO THE OFFICE OF MATERIALS MANAGEMENT (OMM) IN ANY JOB MIX FORMULA (JMF) FOR THIS ITEM.

INTERSECTIONS

INTERSECTIONS WILL BE RESURFACED 10 FT. BEYOND THE EDGE LINE, UNLESS OTHERWISE DIRECTED BY THE ENGINEER OR INDICATED IN THE PLAN. INTERSECTIONS SHALL BE PAVED AFTER COMPLETION OF THE SURFACE COURSE OR WITH THE MAINLINE PAVEMENT IF THIS CAN BE ACCOMPLISHED WITHOUT CHANGING THE VELOCITY AND DIRECTION OF THE PAVER. USE THE SAME ASPHALT CONCRETE AS THE MAINLINE PAVEMENT. A BUTT JOINT, AS PER STANDARD CONSTRUCTION DRAWING BP-3.1, SHALL BE USED TO PROVIDE A SMOOTH TRANSITION TO THE EXISTING PAVEMENT. ANY GRADING OR PRIME NECESSARY TO ACCOMPLISH THIS WORK SHALL BE INCLUDED IN THE COST OF THE ASPHALT SURFACE COURSE.

Removed Manhole Adjusted to Grade, As Per Plan from note

**ITEM 623 - MONUMENT BOX ADJUSTED TO GRADE, AS PER PLAN
 ITEM 638 - VALVE BOX ADJUSTED TO GRADE, AS PER PLAN**

IN ADDITION TO THE REQUIREMENTS OF CMS 623.05 FOR MONUMENT BOXES, OR 638.18 FOR VALVE BOXES, THE CONTRACTOR WILL MAKE A CLEAN CIRCULAR CUT AROUND THE CASTING (A MINIMUM OF 1'-0" OUTSIDE THE CASTING) AND REMOVE AND DISCARD THE EXISTING CASTING. INSTALL A NEW CASTING TO GRADE (ACCORDING TO TOLERANCES AS SHOWN ON STANDARD CONSTRUCTION DRAWING BP-3.1) AFTER THE PAVEMENT SURFACE COURSE HAS BEEN REPLACED.

CMS 499 CLASS QCMS CONCRETE (DYE THE CONCRETE SUCH THAT ITS COLOR CLOSELY MATCHES THE COLOR OF THE SURROUNDING PAVEMENT) WILL BE USED FOR BACKFILLING THE FULL PAVEMENT SECTION AND THE JOINT BETWEEN THE ASPHALT AND CONCRETE WILL BE SEALED WITH CMS 702.01 PG BINDER. EPOXY COATED REBAR SHALL BE PLACED IN THE CONCRETE AT 6" MAXIMUM ON CENTER AND A MINIMUM OF 3.5" CLEARANCE FROM THE TOP, BOTTOM AND SIDES. THE CONCRETE WILL BE VIBRATED SUFFICIENTLY TO ELIMINATE AIR POCKETS UNDER THE FRAME.

PAYMENT WILL INCLUDE REMOVAL OF THE EXISTING MATERIAL, INSTALLATION AND FURNISHING OF A NEW CASTING, AND ALL LABOR AND MATERIALS REQUIRED TO COMPLETE THIS ITEM OF WORK AS DESCRIBED.

ITEM 623, MONUMENT BOX ADJUSTED TO GRADE, AS PER PLAN, 1 EACH
 ITEM 638, VALVE BOX ADJUSTED TO GRADE, AS PER PLAN, 5 EACH

CURB RAMPS / DETECTABLE WARNINGS

UNLESS OTHERWISE DIRECTED BY THE ENGINEER, INSTALLATION OF THE CURB RAMPS / DETECTABLE WARNINGS WILL BE PERFORMED PRIOR TO MAINLINE RESURFACING.

ITEM 611 - MANHOLE ADJUSTED TO GRADE

AN ESTIMATED QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY FOR ADJUSTING CATCH BASINS TO GRADE.

EXISTING CASTINGS ARE UNSUITABLE FOR REUSE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE THE CASTINGS OF REQUIRED TYPE, SIZE AND STRENGTH. ENSURE ALL MATERIAL MEETS CMS ITEM 611 AND HAS PRIOR APPROVAL OF THE ENGINEER.

ITEM 611 - CATCH BASIN ADJUSTED TO GRADE, 18 EACH
 ITEM SPECIAL - MISCELLANEOUS METAL, 900 LB

ITEM 611 - MANHOLE RECONSTRUCTED TO GRADE

AN ESTIMATED QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY FOR RECONSTRUCTING CATCH BASINS TO GRADE.

EXISTING CASTINGS ARE UNSUITABLE FOR REUSE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE THE CASTINGS OF REQUIRED TYPE, SIZE AND STRENGTH. ENSURE ALL MATERIAL MEETS CMS ITEM 611 AND HAS PRIOR APPROVAL OF THE ENGINEER.

ITEM 611 - CATCH BASIN RECONSTRUCTED TO GRADE, 18 EACH
 ITEM SPECIAL - MISCELLANEOUS METAL, 900 LB

MANHOLE COVERS

THE CONTRACTOR SHALL SALVAGE 36 EXISTING MANHOLE COVERS THAT ARE APPROXIMATELY 23.5 INCHES IN DIAMETER AND 0.75 - 1 INCHES THICK AND DELIVER THEM TO THE OHIO DEPARTMENT OF TRANSPORTATION (ODOT) GARAGE LOCATED AT 4505 ATLANTIC BLVD. IN CANTON, OHIO. DELIVERY SHALL BE COORDINATED BETWEEN THE CONTRACTOR, PROJECT ENGINEER, AND ODOT COUNTY MANAGER (BRIAN HOOVER, 330-786-4927). ALL WORK INVOLVED WITH THE COORDINATION AND DELIVERY SHALL BE INCIDENTAL TO ITEM 611 - MANHOLE ADJUSTED TO GRADE AND ITEM 611 - MANHOLE RECONSTRUCTED TO GRADE.

CATCH BASIN ADJUSTED TO GRADE

AN ESTIMATED QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY FOR ADJUSTING CATCH BASINS TO GRADE.

EXISTING CASTINGS MAY PROVE TO BE UNSUITABLE FOR REUSE, AS DETERMINED BY THE ENGINEER. IT IS THE CONTRACTORS RESPONSIBILITY TO PROVIDE THE CASTINGS OF REQUIRED TYPE, SIZE AND STRENGTH. ENSURE ALL MATERIAL MEETS CMS ITEM 611 AND HAS PRIOR APPROVAL OF THE ENGINEER.

ITEM 611 - CATCH BASIN ADJUSTED TO GRADE, 10 EACH
 ITEM SPECIAL - MISCELLANEOUS METAL, 500 LB

CATCH BASIN RECONSTRUCTED TO GRADE

AN ESTIMATED QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY FOR RECONSTRUCTING CATCH BASINS TO GRADE.

EXISTING CASTINGS MAY PROVE TO BE UNSUITABLE FOR REUSE, AS DETERMINED BY THE ENGINEER. IT IS THE CONTRACTORS RESPONSIBILITY TO PROVIDE THE CASTINGS OF REQUIRED TYPE, SIZE AND STRENGTH. ENSURE ALL MATERIAL MEETS CMS ITEM 611 AND HAS PRIOR APPROVAL OF THE ENGINEER.

ITEM 611 - CATCH BASIN RECONSTRUCTED TO GRADE, 5 EACH
 ITEM SPECIAL - MISCELLANEOUS METAL, 250 LB

Added note and quantities

Adjusted note to include both manhole adjusted and reconstructed to grade

Added note and quantities

GENERAL NOTES

DESIGN AGENCY




DESIGNER	RMK
REVIEWER	MJA 02-17-2022
PROJECT ID	114922
SHEET	TOTAL
P.3	13

SHEET NUM.												PART.	ITEM	ITEM	GRAND	UNIT	DESCRIPTION	SEE SHEET NO.
3	4	5	7	8	9	12	13					01/S>2/PV	EXT	TOTAL				
ROADWAY																		
					78							78	202	23000	78	SY	PAVEMENT REMOVED	
					2,002							2,002	202	30000	2,002	SF	WALK REMOVED	
					171							171	202	32500	171	FT	CURB AND GUTTER REMOVED	
					1							1	203	10000	1	CY	EXCAVATION (FOR WALK OR CURB RAMP INSTALLATION)	
					347							347	608	10000	347	SF	4" CONCRETE WALK	
					1,700							1,700	608	52000	1,700	SF	CURB RAMP	
					1							1	623	39500	1	EACH	MONUMENT BOX ADJUSTED TO GRADE	
1					1							1	623	39501	1	EACH	MONUMENT BOX ADJUSTED TO GRADE, AS PER PLAN	
EROSION CONTROL																		
					2							2	659	00300	2	CY	TOPSOIL	
					14							14	659	10000	14	SY	SEEDING AND MULCHING	
												3,000	832	30000	3,000	EACH	EROSION CONTROL	
DRAINAGE																		
	10											10	611	98631	10	EACH	CATCH BASIN ADJUSTED TO GRADE, AS PER PLAN	
	5											5	611	98635	5	EACH	CATCH BASIN RECONSTRUCTED TO GRADE, AS PER PLAN	
	18											18	611	99654	18	EACH	MANHOLE ADJUSTED TO GRADE	
	18											18	611	99660	18	EACH	MANHOLE RECONSTRUCTED TO GRADE	
	2,550											2,550	SPECIAL	61199820	2,550	LB	MISCELLANEOUS METAL	
PAVEMENT																		
	1,100											1,100	251	01000	1,100	SY	PARTIAL DEPTH PAVEMENT REPAIR (441)	
					12,172	133						12,304	407	20000	12,305	GAL	NON-TRACKING TACK COAT (@ 0.09 GAL/SY)	
					4,696	52						4,748	424	14001	4,748	CY	FINE GRADED POLYMER ASPHALT CONCRETE, TYPE B, (448), AS PER PLAN (T=1 1/4")	
						136						136	609	12000	136	FT	COMBINATION CURB AND GUTTER, TYPE 2	
					135,239	1,473						136,712	897	01010	136,712	SY	PAVEMENT PLANING, ASPHALT CONCRETE, CLASS A (T=1 1/4")	
WATER WORK																		
	5											5	638	10801	5	EACH	VALVE BOX ADJUSTED TO GRADE, AS PER PLAN	
TRAFFIC CONTROL																		
						1,233						1,233	621	00100	1,233	EACH	RPM	
						987						987	621	54000	987	EACH	RAISED PAVEMENT MARKER REMOVED	
							7.72					7.72	646	10110	7.72	MILE	LANE LINE, 6"	
							8.29					8.29	646	10200	8.29	MILE	CENTER LINE	
							5,150					5,150	646	10310	5,150	FT	CHANNELIZING LINE, 12"	
							728					728	646	10400	728	FT	STOP LINE	
							1,491					1,491	646	10520	1,491	FT	CROSSWALK LINE, 24"	
							210					210	646	10600	210	FT	TRANSVERSE/DIAGONAL LINE	
							121					121	646	20300	121	EACH	LANE ARROW	
							515					515	646	20504	515	FT	DOTTED LINE, 6"	
MAINTENANCE OF TRAFFIC																		
					200							200	614	11110	200	HOUR	LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE	
					25							25	614	12460	25	EACH	WORK ZONE MARKING SIGN	
					10							10	614	13000	10	CY	ASPHALT CONCRETE FOR MAINTAINING TRAFFIC	
					16							16	614	18601	16	SNMT	PORTABLE CHANGEABLE MESSAGE SIGN, AS PER PLAN	
					7.72							7.72	614	20010	7.72	MILE	WORK ZONE LANE LINE, CLASS I, 6"	
					7.72							7.72	614	20560	7.72	MILE	WORK ZONE LANE LINE, CLASS III, 6", 642 PAINT	
					3.86							3.86	614	21000	3.86	MILE	WORK ZONE CENTER LINE, CLASS I	
					3.86							3.86	614	21550	3.86	MILE	WORK ZONE CENTER LINE, CLASS III, 642 PAINT	
					5,130							5,130	614	23000	5,130	FT	WORK ZONE CHANNELIZING LINE, CLASS I, 8"	
					723							723	614	23680	723	FT	WORK ZONE CHANNELIZING LINE, CLASS III, 8", 642 PAINT	
					723							723	614	26000	723	FT	WORK ZONE STOP LINE, CLASS I	
					5,130							5,130	614	26610	5,130	FT	WORK ZONE STOP LINE, CLASS III, 642 PAINT	
					16							16	809	69001	16	EACH	ADVANCE RADAR DETECTION, AS PER PLAN	
					19							19	809	69101	19	EACH	STOP LINE RADAR DETECTION, AS PER PLAN	
INCIDENTALS																		
												LS	614	11000	LS		MAINTAINING TRAFFIC	
												6	619	16010	6	MNTH	FIELD OFFICE, TYPE B	
												LS	623	10000	LS		CONSTRUCTION LAYOUT STAKES AND SURVEYING	
												LS	624	10000	LS		MOBILIZATION	

Adjusted values of manhole and miscellaneous metal

GENERAL SUMMARY

DESIGN AGENCY

 DESIGNER
RMK
 REVIEWER
 M.J.A 02-17-2022
 PROJECT ID
 114922
 SHEET TOTAL
 P.6 13