

ITEM 304 - AGGREGATE BASE, AS PER PLAN

THIS ITEM SHALL CONFORM TO ITEM 304 OF THE OHIO DEPARTMENT OF TRANSPORTATION CONSTRUCTION AND MATERIAL SPECIFICATIONS. THE QUANTITY PROVIDED IN THE PAVEMENT CALCULATIONS IN THE OFFICE CALCULATIONS, HAS BEEN ESTIMATED USING A 8" THICKNESS.

THE CONTRACTOR MUST FIRST FIELD VERIFY THE THICKNESS OF THE EXISTING AGGREGATE BASE AND DETERMINE THE DEPTH OF EXISTING SUBGRADE PRIOR TO PLACING OF THIS ITEM. IF THE EXISTING SUBGRADE IS FOUND TO BE AT A HIGHER ELEVATION THAN THE PROPOSED SUBGRADE (WHEN ASSUMING A PROPOSED 8" AGGREGATE BASE), THE CONTRACTOR SHALL PROVIDE THE RESULTS OF THE INVESTIGATION TO THE PROJECT ENGINEER. THE ENGINEER SHALL THEN DIRECT THE CONTRACTOR TO ADJUST THE THICKNESS OF THIS ITEM ACCORDINGLY.

IF THE ACTUAL QUANTITY USED IS LESS THAN THE AMOUNT BID, THE ENGINEER WILL DETERMINE THE CU. YDS. FOR NON-PAYMENT BY TAKING THE DIFFERENCE IN DEPTHS AND MULTIPLYING BY AREA OF PAVEMENT.

ITEM 202 - PAVEMENT REMOVED

PAYMENT FOR PAVEMENT REMOVED SHALL INCLUDE THE ENTIRE PAVEMENT BUILD UP (SEE TYPICAL SECTION FOR EXISTING PAVEMENT SECTION).

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

ITEM 202 - PAVEMENT REMOVED 200 SY

ITEM 253 - PAVEMENT REPAIR

THIS ITEM SHALL CONSIST OF FULL-DEPTH PAVEMENT REPAIR WITHIN THE PROJECT LIMITS THAT ARE DEEMED IN POOR CONDITION. PRIOR TO PAVEMENT MILLING AND AT THE DIRECTION OF THE ENGINEER, THE CONTRACTOR AND PROJECT ENGINEER SHALL WALK THE PROJECT SITE AND MARK LIMITS OF REPAIR. THE CONTRACTOR SHALL SAWCUT AND REMOVE MARKED PAVEMENT, PERFORM SUBGRADE COMPACTION AND PLACE ITEM 301, ASPHALT CONCRETE BASE, PG64-22, (449) IN TWO LIFTS (10" MINIMUM OVERALL THICKNESS) TO THE TOP OF ADJACENT ASPHALT PAVEMENT. ITEM 407, TACK COAT SHALL BE PLACED BETWEEN LIFTS.

ALL REQUIREMENTS OF C&MS 253 SHALL STILL BE MET.

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

ITEM 253 - PAVEMENT REPAIR 200 SY

ITEM 875 - LONGITUDINAL JOINT ADHESIVE

THE CONTRACTOR SHALL APPLY HOT ASPHALTIC JOINT ADHESIVE TO COLD LONGITUDINAL CONSTRUCTION JOINTS IN ASPHALT CONCRETE SURFACE PAVEMENT. SEE SUPPLEMENTAL SPECIFICATION 875 FOR STANDARD APPLICATION DETAILS.

PAVEMENT RESTORATION FOR PIPE INSTALLATIONS AND/OR REMOVALS

THE DRAINAGE SUBSUMMARY PROVIDES QUANTITIES FOR PAVEMENT RESTORATION FOLLOWING INSTALLATION OF PIPE CROSSING AT STA. 195+00 AND STA. 202+00.

THE QUANTITIES ARE BASED ON:

- A TRENCH WIDTH EQUAL TO FOUR TIMES THE PIPE DIAMETER
- A 301 THICKNESS OF 10 INCHES
- A 304 THICKNESS OF 8 INCHES

PROVIDE ANY MATERIALS USED OUTSIDE THE LIMITS STATED ABOVE AT NO ADDITIONAL COST.

ITEM 517 - RAILING, PIPE, AS PER PLAN

THE CONTRACTOR SHALL PROVIDE HANDRAIL IN ACCORDANCE WITH STANDARD CONSTRUCTION DRAWING RM-2.1 AND C&MS 517 WHERE DETAILED IN THE PLANS. A CONCRETE FOOTER WITH MINIMUM DIMENSIONS OF 6" WIDE BY 6" DEEP SHALL BE PROVIDED THE ENTIRE LENGTH OF THE HANDRAIL. THE TOP OF FOOTER SHALL BE FLUSH WITH THE TOP OF SIDEWALK. PEJF SHALL BE PROVIDED AT THE INTERFACE BETWEEN SIDEWALK AND FOOTER. IN ADDITION TO THE MATERIAL REQUIREMENTS OF THE SCD AND C&MS, THE HANDRAIL SHALL INCLUDE SHOP-FABRICATED OR FIELD-WELDED ANTI-SKATEBOARDING GUARDS AT A MAXIMUM SPACING OF FIVE FEET C/C. HANDRAIL SHOP DRAWINGS SHALL BE PROVIDED TO THE ENGINEER FOR APPROVAL PRIOR TO FABRICATION OR CONSTRUCTION.

PAYMENT FOR THE ABOVE WORK SHALL BE MADE AT THE UNIT PRICE BID FOR ITEM 517, RAILING, PIPE, AS PER PLAN, LINEAR FOOT, AND SHALL INCLUDE ALL LABOR, TOOLS, EQUIPMENT AND MATERIALS NECESSARY TO CONSTRUCT A COMPLETE AND FUNCTIONAL HANDRAIL SYSTEM, INCLUDING BUT NOT LIMITED TO HANDRAIL, POSTS, FOOTER, PEJF, ANTI-SKATEBOARD GUARDS AND ALL RELATED HARDWARE NOT SEPARATELY SPECIFIED.

PLAN NOTE - ELECTRONIC TICKETING

PURPOSE:
PROVIDE ELECTRONIC MATERIAL TICKETS IN AN ELECTRONIC FORMAT DIRECTLY RECORDED FROM THE MATERIAL LOADING SOURCE.

PROVIDE ELECTRONIC MATERIAL TICKETS FOR THE FOLLOWING MATERIALS:

- AGGREGATE
 - ASPHALT CONCRETE
 - PORTLAND CONCRETE
- (SELECT ONLY THOSE THAT APPLY TO THE PROJECT. DELETE THE MATERIALS WHICH ARE NOT USED)

THIS NOTE IN NO WAY SUPERSEDES ANY OTHER COMMERCIAL REGULATIONS OR ANY OTHER LEGAL REQUIREMENTS REGULATING THE TRANSPORTATION OF COMMERCIAL MATERIALS.

REQUIREMENTS:
AT THE PRE-CONSTRUCTION MEETING, SUBMIT AN ELECTRONIC TICKETING PLAN TO THE ENGINEER DESCRIBING THE PROPOSED ELECTRONIC TICKET DELIVERY METHOD. THE ELECTRONIC MATERIAL TICKET SHALL CONTAIN INFORMATION AS REQUIRED PER THE APPLICABLE MATERIAL SPECIFICATION FOR WEIGHT MEASUREMENT AND OTHER MATERIAL CHARACTERISTICS. PROVIDE AN EXAMPLE(S) OR A "MOCK-UP" OF THE PROPOSED ELECTRONIC TICKET TO SHOW THE DETAILS ON WHAT IS TO BE TRANSMITTED TO THE DEPARTMENT. NAMING OF THE ELECTRONIC MATERIAL TICKET FILES SHALL BE DISTINCT SUCH THAT THE TICKET'S REPRESENTED MATERIAL IS EASILY DETERMINED; INCLUDE THE PROPOSED NAMING CONVENTION. DELIVERY MAY BE THROUGH A PRODUCER WEBSITE UPLOAD ACCESSIBLE TO THE ENGINEER, ODOT PROJECT SPECIFIC SHAREPOINT DOCUMENTATION SITE UPLOAD, OR ANOTHER SECURE ELECTRONIC TRANSMITTAL MEANS. EMAILING OF A TICKET TO AN ODOT CONTACT IS ACCEPTABLE BUT IS NOT PREFERRED. THE ELECTRONIC TICKETING PLAN SHALL IDENTIFY A CONTINGENCY METHOD FOR MANUALLY CAPTURING AND DELIVERING TICKET INFORMATION IF ELECTRONIC TRANSMISSION IS TEMPORARILY UNAVAILABLE. AN ELECTRONIC TICKETING PLAN WHICH INCLUDES SOLELY THE USE OF DIGITAL PHOTOS OF PAPER TICKETS IS NOT ACCEPTABLE.

THE DEPARTMENT RECOGNIZES THAT VARIOUS DIGITAL TICKETING SYSTEMS MAY BE COMMERCIALY AVAILABLE AND USED TO ACCOMMODATE INDIVIDUAL CONTRACTORS AND MATERIAL SUPPLIER CAPABILITIES. THE CONTRACTOR MAY PROVIDE A DIGITAL TICKETING SYSTEM GIVING SECURE ACCESS TO ORGANIZED DIGITAL DATA. IF UTILIZED, THE DIGITAL TICKETING SYSTEM MAY ALSO BE ACCESSIBLE BY REAL-TIME MONITORING WITH A MOBILE COMMUNICATION DEVICE SUCH AS A TABLET, SMARTPHONE, ETC. THROUGH MOBILE DEVICE APPLICATIONS ("MOBILE APP") IF ACCEPTABLE TO THE DEPARTMENT. IF A DIGITAL TICKETING SYSTEM REQUIRES A MOBILE APP, THE MOBILE APP SHALL BE AT NO COST TO THE DEPARTMENT. THE DIGITAL DATA MUST BE ABLE TO BE EXPORTED IN A FORMAT USABLE BY THE ENGINEER UPON REQUEST (I.E. MICROSOFT WORD, MICROSOFT EXCEL, PDF FORMATS).

DELIVER EACH ELECTRONIC MATERIAL TICKET TO THE ENGINEER PRIOR TO THE PLACEMENT OF MATERIAL, BUT NOT PRIOR TO THE LOADING OF MATERIAL AT THE SOURCE.

PROVIDE THE ENGINEER A DAILY MATERIAL SUMMARY REPORT BY THE END OF THE DAY'S HAULING ACTIVITIES, OR AT A TIME AS APPROVED BY THE ENGINEER. THE DAILY MATERIAL SUMMARY REPORT INCLUDES SUMMARY INFORMATION LISTED FOR EACH MATERIAL AS OUTLINED IN THE RESPECTIVE MATERIAL SPECIFICATION.

PAYMENT:
COSTS FOR THE ELECTRONIC TICKETING SHALL BE INCIDENTAL TO THE PROJECT.

ENVIRONMENTAL COMMITMENTS

NO IN-STREAM WORK PERMITTED

THE PROJECT INVOLVES CONSTRUCTION ACTIVITIES THAT WILL OCCUR ON THE BRIDGE CARRYING US-62 OVER RACCOON CREEK. NO WORK WITHIN THE STREAM WILL OCCUR, INCLUDING THE PLACEMENT OF TEMPORARY OR PERMANENT FILL, OR FORDING THE STREAM. NO DEBRIS MAY BE SWEEPED OR WASHED INTO THE STREAM.

CONSTRUCTION ACTIVITY NOTIFICATION

CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER A MINIMUM OF 21 DAYS PRIOR TO THE START OF CONSTRUCTION ACTIVITIES, LANE RESTRICTIONS, LANE CLOSURES, AND ROAD CLOSURES. THE PROJECT ENGINEER WILL FORWARD THIS INFORMATION TO THE DISTRICT 5 PUBLIC INFORMATION OFFICER (PIO), WHEREAS THE PIO WILL NOTIFY THE LOCAL EMERGENCY SERVICES, AFFECTED SCHOOLS AND BUSINESSES, AND ANY OTHER IMPACTED LOCAL PUBLIC AGENCIES OF ANY OF THE ABOVE-MENTIONED ITEMS VIA MEDIA SOURCES.

GENERAL NOTES

DESIGN AGENCY



DESIGNER

AJP

REVIEWER

JDH 12-20-21

PROJECT ID

110861

SHEET TOTAL

P.7 89

1 4-6-2022 - PAVEMENT REPAIR THICKNESS ADDED

LIC-62-3.64


MODEL: Sheet PAPER SIZE: 17x11 (in.) DATE: 2022-04-07 TIME: 10:35:55 AM USER: matt.phillips
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OFFICE CALCS	P.7	P.8	P.28	P.29	P.30	P.55	P.59	P.73					PART. 01/SAF/PV	ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
					10								10	611	04600	10	FT	DRAINAGE CONTINUED	
					140								140	611	04900	140	FT	12" CONDUIT, TYPE D	
					50								50	611	08900	50	FT	21" CONDUIT, TYPE B	
					89								89	611	09100	89	FT	21" CONDUIT, TYPE C	
					485								485	611	09400	485	FT	21" CONDUIT, TYPE D	
					18								18	611	10400	18	FT	24" CONDUIT, TYPE B	
					36								36	611	10600	36	FT	24" CONDUIT, TYPE C	
					6								6	611	98180	6	EACH	CATCH BASIN, NO. 3A	
					12								12	611	98470	12	EACH	CATCH BASIN, NO. 2-2B	
					1								1	611	99586	1	EACH	MANHOLE, NO. 3 WITH 108" BASE I.D. AND 12" WEIR	
		20											20	613	41200	20	CY	LOW STRENGTH MORTAR BACKFILL	
					1								1	895	10040	1	EACH	MANUFACTURED WATER QUALITY STRUCTURE, TYPE 4	P.6
																		PAVEMENT	
	200												200	253	01000	200	SY	PAVEMENT REPAIR	
5,359													5,359	254	01000	5,359	SY	PAVEMENT PLANING, ASPHALT CONCRETE, 1.5"	
317					6	58							381	301	56000	381	CY	ASPHALT CONCRETE BASE, PG64-22, (449)	
27													27	304	20000	27	CY	AGGREGATE BASE	
540					4								544	304	20001	544	CY	AGGREGATE BASE, AS PER PLAN	P.7
659						23							682	407	20000	682	GAL	NON-TRACKING TACK COAT	
						17							17	441	70000	17	CY	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), PG64-22	
229													229	441	70100	229	CY	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), PG70-22M	
141													141	441	70300	141	CY	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (449)	
			1,904										1,904	609	12000	1,904	FT	COMBINATION CURB AND GUTTER, TYPE 2	
			74										74	609	26000	74	FT	CURB, TYPE 6	
324													324	875	10000	324	LB	LONGITUDINAL JOINT ADHESIVE	
																		WATER WORK	
				2									2	638	10400	2	EACH	FIRE HYDRANT ADJUSTED TO GRADE	
				4									4	638	10800	4	EACH	VALVE BOX ADJUSTED TO GRADE	
				3									3	638	10900	3	EACH	SERVICE BOX ADJUSTED TO GRADE	
																		TRAFFIC CONTROL	
							12						12	626	00110	12	EACH	BARRIER REFLECTOR, TYPE 2 (BIDIRECTIONAL)	
							113						113	630	03100	113	FT	GROUND MOUNTED SUPPORT, NO. 3 POST	
							1						1	630	08600	1	EACH	SIGN POST REFLECTOR	
								2					2	630	79100	2	EACH	SIGN HANGER ASSEMBLY, MAST ARM	
								4					4	630	79500	4	EACH	SIGN SUPPORT ASSEMBLY, POLE MOUNTED	
							51.1	30.6					81.7	630	80100	81.7	SF	SIGN, FLAT SHEET	
							16						16	630	84900	16	EACH	REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL	
							13						13	630	86002	13	EACH	REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL	
							0.4						0.4	644	00100	0.4	MILE	EDGE LINE, 4"	
							0.67						0.67	644	00300	0.67	MILE	CENTER LINE	
							296						296	644	00400	296	FT	CHANNELIZING LINE, 8"	
							104						104	644	00500	104	FT	STOP LINE	
							224						224	644	00600	224	FT	CROSSWALK LINE	
							621						621	644	00700	621	FT	TRANSVERSE/DIAGONAL LINE	
							13						13	644	01300	13	EACH	LANE ARROW	
							0.08						0.08	646	10000	0.08	MILE	EDGE LINE, 4"	
							0.08						0.08	646	10200	0.08	MILE	CENTER LINE	
																		TRAFFIC SIGNALS	
								34					34	625	25400	34	FT	CONDUIT, 2", 725.04	
								8					8	625	25500	8	FT	CONDUIT, 3", 725.04	
								9					9	625	25600	9	FT	CONDUIT, 4", 725.04	
								197					197	625	25902	197	FT	CONDUIT, JACKED OR DRILLED, 725.04, 3"	
								51					51	625	29000	51	FT	TRENCH	
								3					3	625	30700	3	EACH	PULL BOX, 725.08, 18"	
								1					1	625	30706	1	EACH	PULL BOX, 725.08, 24"	
								5					5	625	32000	5	EACH	GROUND ROD	P.66
								51					51	625	36010	51	FT	UNDERGROUND WARNING/MARKING TAPE	

GENERAL SUMMARY

LIC-62-3.64

MODEL: Sheet PAPER: 34x22 (in.) DATE: 2022-04-08 TIME: 6:11:45 AM USER: matt.phillips \\10.120.108.51\share\124468_LIC-62-3.64\10_Production\Worksheets\110861\400-Engineering\Roadway\Sheets\110861_CG002.dgn

DESIGN AGENCY

 DESIGNER
 AJP
 REVIEWER
 JDH 12-20-21
 PROJECT ID
 110861
 SHEET TOTAL
 P.26 89

