

I:\ProjectData\07792_FRA-161-14.02_Design\Roadway\Sheets\07792_GG001.dgn_Sheet101_11/30/2020_4:57:55 PM mkatona

SHEET NUM.										PART.				ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
8-9	11-13	17-18	19	20	24	37-40	41	59	63	01/NHS/PV	02/S>2/PV	03/BRO/BR	04/S>2/PV						
ROADWAY																			
						926.25				926.25				202	38001	926.25	FT	GUARDRAIL REMOVED, AS PER PLAN	7
						2				2				202	42011	2	EACH	ANCHOR ASSEMBLY REMOVED, TYPE E, AS PER PLAN	7
						1				1				202	42051	1	EACH	ANCHOR ASSEMBLY REMOVED, TYPE B, AS PER PLAN	7
						7				7				202	47001	7	EACH	BRIDGE TERMINAL ASSEMBLY REMOVED, AS PER PLAN	7
		200		36						236				SPECIAL	20270110	236	FT	PIPE CLEANOUT, 24" AND UNDER	7
				1						1				202	98100	1	EACH	REMOVAL MISC.: EXISTING METAL BARRIER, TYPE TC-41.21	7
					171					171				202	98200	171	FT	REMOVAL MISC.: SLOT DRAIN	7
						281.5			8.5	290				203	20001	290	CY	EMBANKMENT, AS PER PLAN	7
						10.5				10.5				209	15000	10.5	STA	RESHAPING UNDER GUARDRAIL	
		8.15								6.67	1.48			209	60500	8.15	MILE	LINEAR GRADING	
						675				675				606	15050	675	FT	GUARDRAIL, TYPE MGS	
						295				295				606	15100	295	FT	GUARDRAIL, TYPE MGS WITH LONG POSTS	
						1				1				606	26050	1	EACH	ANCHOR ASSEMBLY, MGS TYPE B	
						1				1				606	26151	1	EACH	ANCHOR ASSEMBLY, MGS TYPE E, AS PER PLAN (MASH 2016)	8
						1				1				606	26550	1	EACH	ANCHOR ASSEMBLY, MGS TYPE T	
						4				4				606	35000	4	EACH	BRIDGE TERMINAL ASSEMBLY, TYPE 1	
						3				3				606	35100	3	EACH	BRIDGE TERMINAL ASSEMBLY, TYPE 2	
50										50				606	98000	50	FT	GUARDRAIL, MISC.: ALTERNATIVE GUARDRAIL PLACEMENT	8
										110				608	15001	110	SF	8" CONCRETE WALK, AS PER PLAN	8
										2				608	98200	2	EACH	WALKWAY, MISC.: CURB RAMP, CITY OF COLUMBUS (TYPE C)	8
										4				608	53021	4	SF	DETECTABLE WARNING, AS PER PLAN TYPE E	8
				10						10				622	10100	10	FT	CONCRETE BARRIER, SINGLE SLOPE, TYPE B1	
		130									130			SPECIAL	90010000	130	FT	KWIK KURB, REMOVE AND REPLACE	7
EROSION CONTROL																			
	3									3				616	10000	3	MGAL	WATER	
						89				89				659	00300	89	CY	TOPSOIL	
						845				845				659	10000	845	SY	SEEDING AND MULCHING	
						42				42				659	14000	42	SY	REPAIR SEEDING AND MULCHING	
						42				42				659	15000	42	SY	INTER-SEEDING	
						0.11				0.11				659	20000	0.11	TON	COMMERCIAL FERTILIZER	
						0.17				0.17				659	31000	0.17	ACRE	LIME	
						5				5				659	35000	5	MGAL	WATER	
										2,500	500			832	30000	3,000	EACH	EROSION CONTROL	
DRAINAGE																			
				1						1				611	98630	1	EACH	CATCH BASIN ADJUSTED TO GRADE	
					2					2				611	98690	2	EACH	CATCH BASIN, MISC.:CLEANOUT	8
				1						1				611	99150	1	EACH	INLET ADJUSTED TO GRADE	
				2						2				611	99500	2	EACH	INLET, MISC.: TYPE 2A REPLACEMENT TOP	19
					180					180				839	30000	180	FT	TRENCH DRAIN WITH STANDARD GRATE	
PAVEMENT																			
						6,537				5,301		1,236		251	01041	6,537	SY	PARTIAL DEPTH PAVEMENT REPAIR (ASPHALT CONCRETE BASE), AS PER PLAN, 3"	8
						39				39				251	01041	39	SY	PARTIAL DEPTH PAVEMENT REPAIR (ASPHALT CONCRETE BASE), AS PER PLAN, 4.5"	8
		213,027								184,024	29,003			254	01000	213,027	SY	PAVEMENT PLANING, ASPHALT CONCRETE 1.5"	
		1,465								1,465				254	01001	1,465	SY	PAVEMENT PLANING, ASPHALT CONCRETE, AS PER PLAN, VARIABLE DEPTH 1.75 - 2.0"	8
										8				254	01001	8	SY	PAVEMENT PLANING, ASPHALT CONCRETE, AS PER PLAN, VARIABLE DEPTH (0.0 - 2.0")	19
		18,232								15,784	2,448			407	20000	18,232	GAL	NON-TRACKING TACK COAT	
		8,277								8,277				442	00100	8,277	CY	ANTI-SEGREGATION EQUIPMENT	
		52								52				442	10000	52	CY	ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (446) 1.5"	
		7,892								7,892				442	10001	7,892	CY	ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (446), AS PER PLAN, PG64-22	8
		389								389				442	10001	389	CY	ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (446), AS PER PLAN, PG76-22M	8
		128								107	21			617	10101	128	CY	COMPACTED AGGREGATE, AS PER PLAN	8
										2.5	0.5			617	20000	3	MGAL	WATER	
3		32,209								32,209				872	10000	32,209	FT	VOID REDUCING ASPHALT MEMBRANE (VRAM)	

GENERAL SUMMARY

FRA - 161 - 14.02

CALCULATED
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ITEM 254 PAVEMENT PLANING, AS PER PLAN (VARIABLE DEPTH) 0" - 2":

THIS ITEM IS INTENDED TO BE USED FOR THE LID REPLACEMENT OF THE TWO TYPE 2A INLETS AT STATIONS 777+95L & 777+95R. IT IS INTENDED TO RESTORE THE OPENING FOR THE INLET. SEE DETAIL SHEET 21.

ITEM 611 - INLET MISC.: TYPE NO. 2A REPLACEMENT TOP:

THIS ITEM SHALL BE TO REPLACE THE TOP SLAB AND STANDARD 28" UPPER BOX UNIT AND APRON FOR THE TYPE 2A-10 INLETS. THE SLAB REPLACEMENT SHALL INCLUDE A NEW CASTING AND LID. THE CONCRETE APRON AND SHOULDER AREA SHALL BE CONSTRUCTED AS SHOWN IN THE DETAIL ON SHEET 21. THE APRON DEPRESSED AREA SHALL BE MILLED TO A VARIABLE DEPTH SUCH THAT THE OPENING SHALL BE RESTORED TO 4" ONCE THE 1 1/2" OVERLAY IS PLACED. THIS ITEM SHALL BE AS PER STANDARD CONSTRUCTION DRAWING I-1.2 AND SHALL INCLUDE ALL LABOR, TOOLS, EQUIPMENT AND MATERIALS NECESSARY TO CONSTRUCT A COMPLETE TYPE 2A PAVEMENT INLET AS SHOWN IN THE STANDARD CONSTRUCTION DRAWING.

ITEM SPECIAL - PIPE CLEANOUT, 24" AND UNDER

THIS WORK SHALL CONSIST OF REMOVING SEDIMENT AND DEBRIS FROM THE EXISTING DRAINAGE CONDUITS AS DIRECTED BY THE ENGINEER.

ALL MATERIAL REMOVED SHALL BE DISPOSED OF AS PER 105.16 AND 105.17. ALL SEWERS SHALL BE CLEANED OUT TO THE SATISFACTION OF THE ENGINEER.

CLEANOUT OF THE PIPE SHALL BE PAID FOR AT THE UNIT PRICE BID FOR ITEM SPECIAL - PIPE CLEANOUT, 24" AND UNDER. THIS PRICE SHALL INCLUDE THE COST FOR MATERIAL, EQUIPMENT, LABOR, AND ALL INCIDENTALS REQUIRED TO COMPLETE THE CLEANOUT.

A QUANTITY OF 200' OF ITEM SPECIAL - PIPE CLEANOUT, 24" & UNDER IS CARRIED TO THE GENERAL SUMMARY.

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DRAINAGE NOTES

FRA - 161 - 14.02