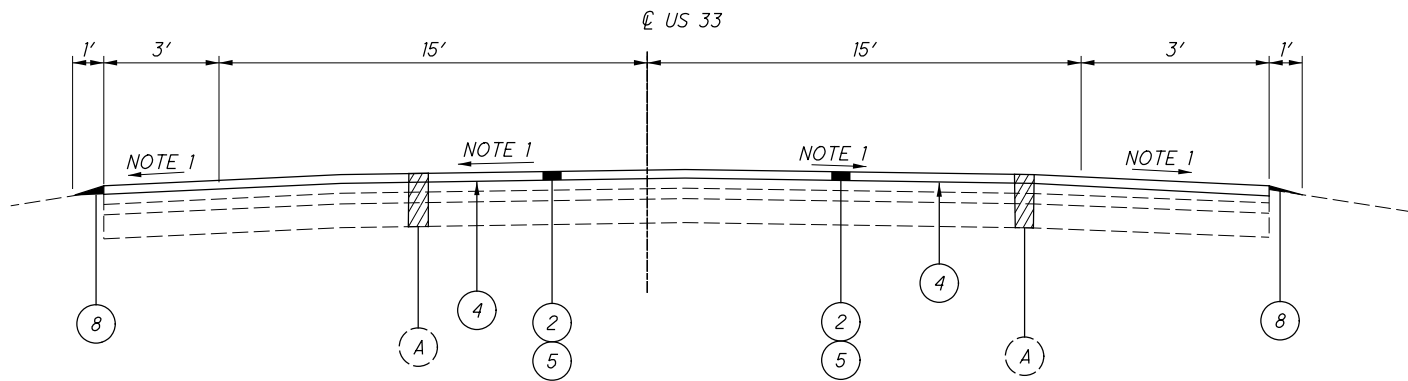
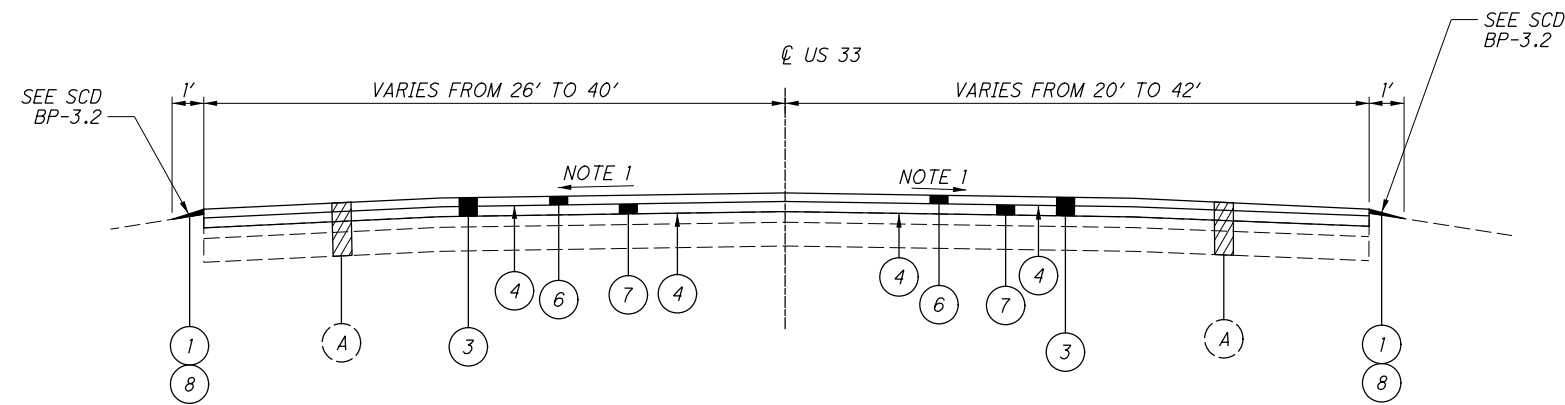


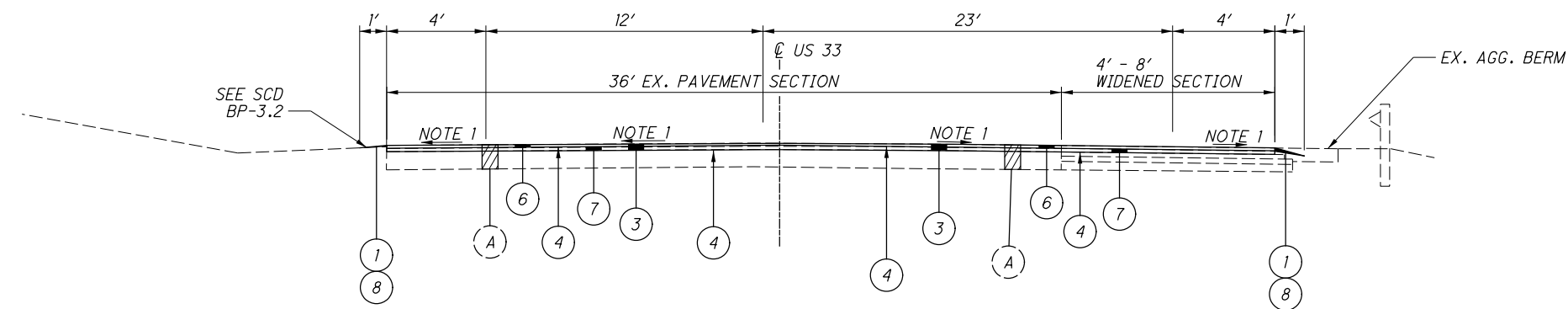
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TYPICAL 1
SLM 4.35 TO SLM 4.86



TYPICAL 2
SLM 4.86 TO SLM 5.17
SLM 5.55 TO SLM 8.77
SKIP OVER STRUCTURE
FRA-33-0738



TYPICAL 3
SLM 5.17 TO SLM 5.55

PAVEMENT LEGEND

- ① ITEM 209 - PREPARING SUBGRADE FOR SHOULDER PAVING
- ② 1.5" ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE
- ③ 3.0" ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE
- ④ ITEM 407 - NON-TRACKING TACK COAT (CMS TABLE 407.6-1)
- ⑤ 1.5" ITEM 441 - ASPHALT CONCRETE SURFACE COURSE, TYPE 1 (446), PG64-22
- ⑥ 1.25" ITEM 441 - ASPHALT CONCRETE SURFACE COURSE, TYPE 1 (446), PG64-22
- ⑦ 1.75" ITEM 441 - ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2 (446)
- ⑧ ITEM 617 - COMPACTED SHOULDER AGGREGATE (AVERAGE 2" DEEP X 1' WIDE)
- (A) EXISTING ASPHALT PAVEMENT

NOTE 1 - MAINTAIN EXISTING GRADE

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SHEET NUM.										PART.				ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
6-8	11-12	17	18	19	24	25	26	28	31	01/NHS/PV	02/NHS/PV	03/NHS/PV	04/NHS/CUL						
ROADWAY																			
LS											LS			201	11001	LS	CLEARING AND GRUBBING, AS PER PLAN	6	
							64						64	202	35200	64	FT	PIPE REMOVED, OVER 24"	
				50									50	202	38000	50	FT	GUARDRAIL REMOVED	
				1								1		202	42041	1	EACH	ANCHOR ASSEMBLY REMOVED, TYPE T, AS PER PLAN	6
						1							1	202	58101	1	EACH	CATCH BASIN REMOVED, AS PER PLAN	25
						1							1	202	62001	1	EACH	JUNCTION BOX REMOVED, AS PER PLAN	25
2											2			202	98100	2	EACH	REMOVAL MISC.: STONE PILLAR REMOVED	7
1											1			202	98100	1	EACH	REMOVAL MISC.: BOULDER REMOVED	7
22											22			202	98100	22	EACH	REMOVAL MISC.: BOULDERS REMOVED AT QUARRY NORTH DRIVE	7
						90							90	202	98200	90	FT	REMOVAL MISC.: 3" GALVANIZED METAL PIPE	25
25											25			202	98200	25	FT	REMOVAL MISC.: FENCE	6
							20						20	202	98200	20	FT	REMOVAL MISC.: UNGROUTED STACKED STONE WALL	25
110											110			202	98200	110	FT	REMOVAL MISC.: STONE WALL REMOVED	6
							13						13	203	10000	13	CY	EXCAVATION	6
				358							354		4	203	20001	358	CY	EMBANKMENT, AS PER PLAN	6
		7.82								0.43	7.39			209	72050	7.82	MILE	PREPARING SUBGRADE FOR SHOULDER PAVING	6
				50									50	606	13000	50	FT	GUARDRAIL, TYPE 5	
				1,375							1,250		125	606	15050	1,375	FT	GUARDRAIL, TYPE MGS	
				37.5									37.5	606	17360	37.5	FT	GUARDRAIL, TYPE MGS, LONG-SPAN	
				3							1		2	606	26150	3	EACH	ANCHOR ASSEMBLY, MGS TYPE E (NCHRP OR MASH 2016)	
				2							2			606	26550	2	EACH	ANCHOR ASSEMBLY, MGS TYPE T	
100											100			606	98000	100	FT	GUARDRAIL, MISC.: ALTERNATIVE GUARDRAIL PLACEMENT	7
4											1			623	39500	4	EACH	MONUMENT BOX ADJUSTED TO GRADE	
EROSION CONTROL																			
							7.5						7.5	601	11000	7.5	SY	RIPRAP, TYPE D	
							5						5	601	32100	5	CY	ROCK CHANNEL PROTECTION, TYPE B WITH FILTER	
								3						616	10000	3	MGAL	WATER	
						358					358			659	00300	358	CY	TOPSOIL	
						2,137					2,114		23	659	10000	2,137	SY	SEEDING AND MULCHING	
						107					107			659	14000	107	SY	REPAIR SEEDING AND MULCHING	
						107					107			659	15000	107	SY	INTER-SEEDING	
						0.29					0.29			659	20000	0.29	TON	COMMERCIAL FERTILIZER	
						0.44					0.44			659	31000	0.44	ACRE	LIME	
						12					12			659	35000	12	MGAL	WATER	
										150	750	50	50	832	30000	1,000	EACH	EROSION CONTROL	
DRAINAGE																			
							1.68						1.68	602	20000	1.68	CY	CONCRETE MASONRY	
							56						56	611	19200	56	FT	42" CONDUIT, TYPE A 707.04 (1/2") (0.079), 707.04 (1") (0.079), 707.07 ALUMINIZED	
								370					370	611	97400	370	FT	CONDUIT, MISC.: PIPE CLEANOUT	25
4											4			611	98630	4	EACH	CATCH BASIN ADJUSTED TO GRADE	
							1						1	611	98690	1	EACH	CATCH BASIN, MISC.: CLEAN AND REPAIR EXISTING CATCH BASIN	25
4											4			611	99654	4	EACH	MANHOLE ADJUSTED TO GRADE	
PAVEMENT																			
81					806							887		251	01041	887	SY	PARTIAL DEPTH PAVEMENT REPAIR (ASPHALT CONCRETE BASE), AS PER PLAN , TYPE 1	6
4					6,419						6,380	43		251	01041	6,423	SY	PARTIAL DEPTH PAVEMENT REPAIR (ASPHALT CONCRETE BASE), AS PER PLAN , TYPE 2	6
		10,771									10,771			254	01000	10,771	SY	PAVEMENT PLANING, ASPHALT CONCRETE, 1.5"	
		94,852									94,852			254	01000	94,852	SY	PAVEMENT PLANING, ASPHALT CONCRETE, 3.0"	
		14,333									13,417			407	20000	14,333	GAL	NON-TRACKING TACK COAT	
											448			441	10000	448	CY	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (446), PG64-22, 1.5"	
											3,334			441	10000	3,334	CY	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (446), PG64-22, 1.25"	
											4,610			441	10200	4,610	CY	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (446), 1.75"	
											496			617	10100	530	CY	COMPACTED AGGREGATE	
3											0.5	2.5		617	25000	3	MGAL	WATER	

GENERAL SUMMARY

FRA - 33-4.35

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SHEET NUM.										PART.				ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
6-8	11-12	17	18	19	24	25	26	28	31	01/NHS/PV	02/NHS/PV	03/NHS/PV	04/NHS/CU L						
WATER WORK																			
4											4			SPECIAL	63820500	4	EACH	VALVE BOX ADJUSTED TO GRADE, CITY OF COLUMBUS	7
TRAFFIC CONTROL																			
								686		9	677			621	00100	686	EACH	RPM	
								686		9	677			621	54000	686	EACH	RAISED PAVEMENT MARKER REMOVED	
				22							19		3	626	00110	22	EACH	BARRIER REFLECTOR, TYPE 2, BI-DIRECTIONAL	
								8.86		1.02	7.84			644	00104	8.86	MILE	EDGE LINE, 6"	
								0.78			0.78			644	00204	0.78	MILE	LANE LINE, 6"	
										0.1	5.29			644	00300	5.39	MILE	CENTER LINE, 4"	
											3,075			644	00400	3,075	FT	CHANNELIZING LINE, 8"	
											658			644	00500	658	FT	STOP LINE	
											677			644	00600	677	FT	CROSSWALK LINE	
											1,556	85	1,471	644	00700	1,556	FT	TRANSVERSE/DIAGONAL LINE	
								27			27			644	01300	27	EACH	LANE ARROW	
TRAFFIC SIGNALS																			
									1	1				625	18401	1	EACH	BRACKET ARM, 20', AS PER PLAN	29
									2	2				625	18511	2	EACH	BRACKET ARM, 30', AS PER PLAN	29
									19	19				625	31510	19	EACH	PULL BOX REMOVED	
									8	8				632	90400	8	EACH	SIGNALIZATION, MISC.: DETECTOR LOOP, CITY OF COLUMBUS	29
									8	8				632	90400	8	EACH	SIGNALIZATION, MISC.: LOOP DETECTOR TIE-IN, CITY OF COLUMBUS	29
									493	493				632	90500	493	FT	SIGNALIZATION, MISC.: LASH AND RELASH MESSENGER WIRE	29
									LS	LS				632	90300	LS		SIGNALIZATION, MISC.: LOOP LEAD-IN REMOVAL	29
									10	10				809	69000	10	EACH	ADVANCE RADAR DETECTION	
									7	7				809	69100	7	EACH	STOP LINE RADAR DETECTION	
MAINTENANCE OF TRAFFIC																			
	180									20	140		20	614	11110	180	HOUR	LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE	
													LS	614	12420	LS		DETOUR SIGNING	
	6									1	5			614	12460	6	EACH	WORK ZONE MARKING SIGN	
	2										1.5		0.5	614	18601	2	SNMT	PORTABLE CHANGEABLE MESSAGE SIGN, AS PER PLAN	12
	1.56										1.56			614	20550	1.56	MILE	WORK ZONE LANE LINE, CLASS III, 4", 642 PAINT	
	10.64									0.2	10.44			614	21550	10.64	MILE	WORK ZONE CENTER LINE, CLASS III, 642 PAINT	
	5,010										5,010			614	23680	5,010	FT	WORK ZONE CHANNELIZING LINE, CLASS III, 8", 642 PAINT	
	171										171			614	26610	171	FT	WORK ZONE STOP LINE, CLASS III, 642 PAINT	
INCIDENTALS																			
										LS	LS	LS	LS	614	11000	LS		MAINTAINING TRAFFIC	
										LS	LS	LS	LS	623	10001	LS		CONSTRUCTION LAYOUT STAKES AND SURVEYING, AS PER PLAN	7
										LS	LS	LS	LS	624	10000	LS		MOBILIZATION	

GENERAL SUMMARY

FRA - 33 - 4.35

CALCULATED	MAK	CHECKED	DKR
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SHEET NO.	LOCATION	625			632				809									
		BRACKET ARM, 20', AS PER PLAN EACH	BRACKET ARM, 30', AS PER PLAN EACH	PULL BOX REMOVED EACH	SIGNALIZATION, MISC.: DETECTOR LOOP, CITY OF COLUMBUS EACH	SIGNALIZATION, MISC.: LOOP DETECTOR TIE-IN, CITY OF COLUMBUS EACH	SIGNALIZATION, MISC.: UNLASH AND RELASH MESSENGER WIRE FT	SIGNALIZATION MISC.: LOOP LEAD-IN REMOVAL LUMP	ADVANCE RADAR DETECTION EACH	STOP LINE RADAR DETECTION EACH								
31	US 33 AND RIVERSIDE GREEN				8	8												
32	US 33 AND CRANSTON DRIVE			4			88	LUMP	2	2								
33	US 33 AND HENDERSON ROAD		1	4			135	LUMP	3	1								
34	US 33 AND LANE ROAD / PARK ENTRANCE		1	5			122	LUMP	2	2								
35	US 33 AND MCCOY ROAD	1		6			148	LUMP	3	2								
TOTALS CARRIED TO GENERAL SUMMARY		1	2	19	8	8	493	LUMP	10	7								

CALCULATED MAK	CHECKED DAC	US 33 SIGNAL QUANTITIES	FRA - 33-4.35	31
				36