

W:\Projects\Projects K-0\WAMUM0014\06389\Design\Roadway\Sheets\06389\_G000.dgn Sheet 6/27/2022 5:05:05 PM rmurray

SHEET NUM.										PART.				ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
21	22	23	53	54	56	231	232	OFF CALC	01/NHS/PV	02/SAF/PV	03/CMQ/PV	04/NHS/PV							
																	<b>ROADWAY</b>		
					22,870					22,870				201	11000	LS	CLEARING AND GRUBBING		
					7,542					7,542				202	23000	SY	PAVEMENT REMOVED		
					553					553				202	30000	SF	WALK REMOVED		
					72					72				202	30600	SY	CONCRETE MEDIAN REMOVED		
														202	30700	FT	CONCRETE BARRIER REMOVED		
					4,989					4,989				202	32000	FT	CURB REMOVED		
					1,516					1,516				202	32500	FT	CURB AND GUTTER REMOVED		
			1,198							1,198				202	35100	FT	PIPE REMOVED, 24" AND UNDER		
					306					306				202	38000	FT	GUARDRAIL REMOVED		
			35							35				202	58100	EACH	CATCH BASIN REMOVED		
			7							7				202	58500	EACH	CATCH BASIN ABANDONED		
				5,721						3,657	2,064			203	10000	CY	EXCAVATION		
				6,040						5,301	739			203	20000	CY	EMBANKMENT		
					347	242		5,037	5,037	589				204	10000	SY	SUBGRADE COMPACTION		
10										10				204	45000	hour	PROOF ROLLING		
	465									465				204	13000	CY	EXCAVATION OF SUBGRADE		
	465									465				204	30010	CY	GRANULAR MATERIAL, TYPE B		
	1,393									1,393				204	50000	SY	GEOTEXTILE FABRIC		
					71,316						71,316			608	10000	SF	4" CONCRETE WALK		
					6,264						6,264			608	52000	SF	CURB RAMP		
		3									3			623	38500	EACH	MONUMENT ASSEMBLY, TYPE C		
																	<b>EROSION CONTROL</b>		
		3									3			659	00100	EACH	SOIL ANALYSIS TEST		
	3,836		268							4,104				659	00300	CY	TOPSOIL		
	34,553									34,553				659	10000	SY	SEEDING AND MULCHING		
	1,728									1,728				659	14000	SY	REPAIR SEEDING AND MULCHING		
	1,728									1,728				659	15000	SY	INTER-SEEDING		
	4.89									4.89				659	20000	TON	COMMERCIAL FERTILIZER		
	7.14									7.14				659	31000	ACRE	LIME		
	140									140				659	35000	MGAL	WATER		
	311									311				659	40000	MSF	MOWING		
			2,411							2,411				670	00700	SY	DITCH EROSION PROTECTION		
																	<b>DRAINAGE</b>		
																	STORM WATER POLLUTION PREVENTION PLAN		
																	STORM WATER POLLUTION PREVENTION INSPECTIONS		
																	STORM WATER POLLUTION PREVENTION INSPECTION SOFTWARE		
								178,482		178,482				832	30000	EACH	EROSION CONTROL		
																	<b>DRAINAGE</b>		
		50									50			605	13300	FT	6" UNCLASSIFIED PIPE UNDERDRAINS		
							8,685			8,685				605	14020	FT	6" BASE PIPE UNDERDRAINS WITH GEOTEXTILE FABRIC		
		50					580			630				611	00510	FT	6" CONDUIT, TYPE F FOR UNDERDRAIN OUTLETS		
			8							8				611	03100	FT	10" CONDUIT, TYPE B		
			3,900							3,900				611	04400	FT	12" CONDUIT, TYPE B		
			30							30				611	10400	FT	24" CONDUIT, TYPE B		
			42							42				611	13400	FT	30" CONDUIT, TYPE B		
			1,574							1,574				611	04600	FT	12" CONDUIT, TYPE C		
			30							30				611	98150	EACH	CATCH BASIN, NO. 3		
			43							43				611	98180	EACH	CATCH BASIN, NO. 3A		
			22							22				611	98390	EACH	CATCH BASIN, NO. 7		
			13							13				611	98470	EACH	CATCH BASIN, NO. 2-2B		
		3	15							18				611	98630	EACH	CATCH BASIN ADJUSTED TO GRADE		
			4							4				611	98634	EACH	CATCH BASIN RECONSTRUCTED TO GRADE		
		8								8				611	99150	EACH	INLET ADJUSTED TO GRADE		
			10							10				611	99574	EACH	MANHOLE, NO. 3		
		2	21							23				611	99654	EACH	MANHOLE ADJUSTED TO GRADE		
			1							1				611	99660	EACH	MANHOLE RECONSTRUCTED TO GRADE		
		4,000								4,000				SPECIAL	61199820	LB	MISCELLANEOUS METAL	23	
		2								2				638	10800	EACH	VALVE BOX ADJUSTED TO GRADE		

GENERAL SUMMARY

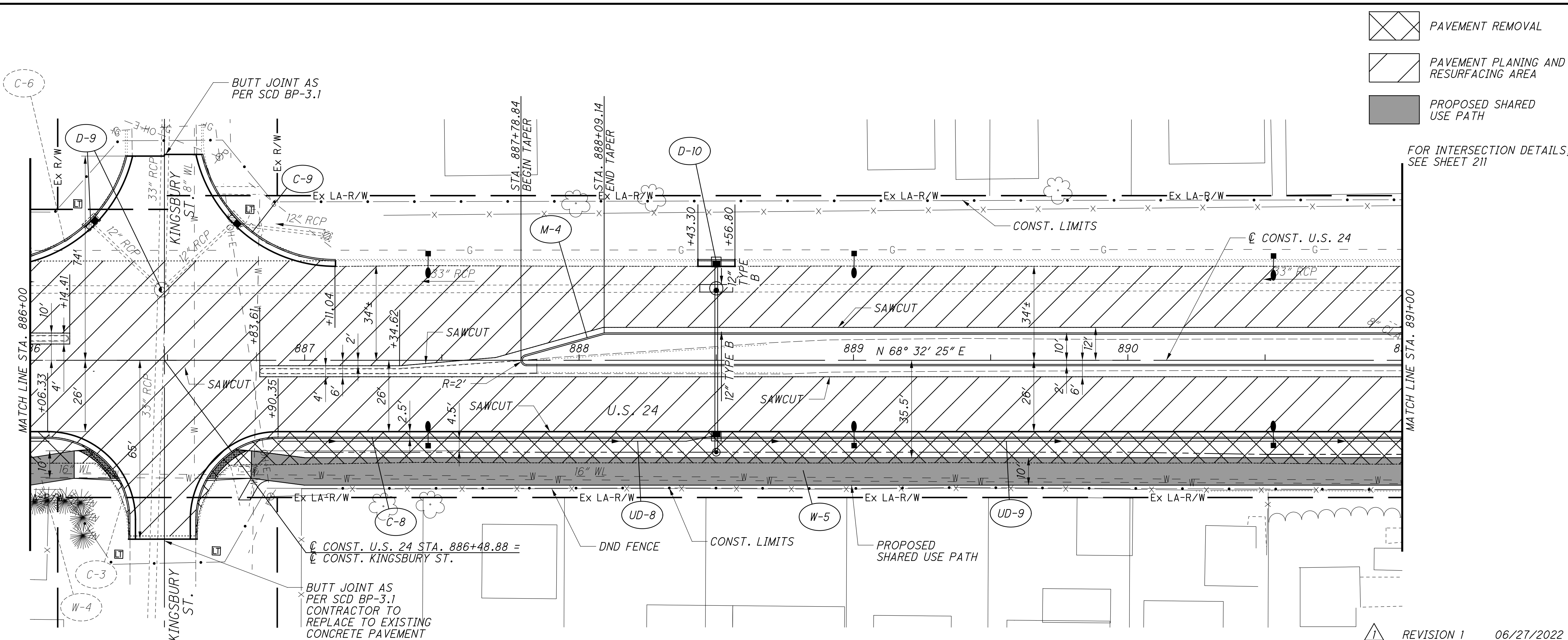
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370

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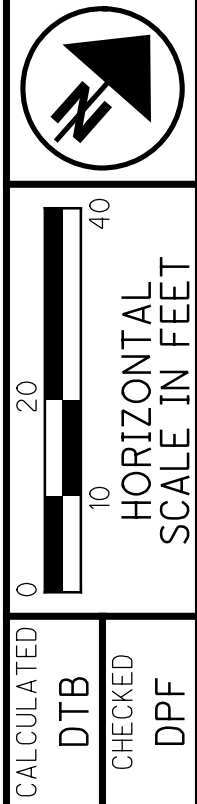


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- PAVEMENT REMOVAL
- PAVEMENT PLANING AND RESURFACING AREA
- PROPOSED SHARED USE PATH

FOR INTERSECTION DETAILS, SEE SHEET 211



CALCULATED DTB CHECKED DPF

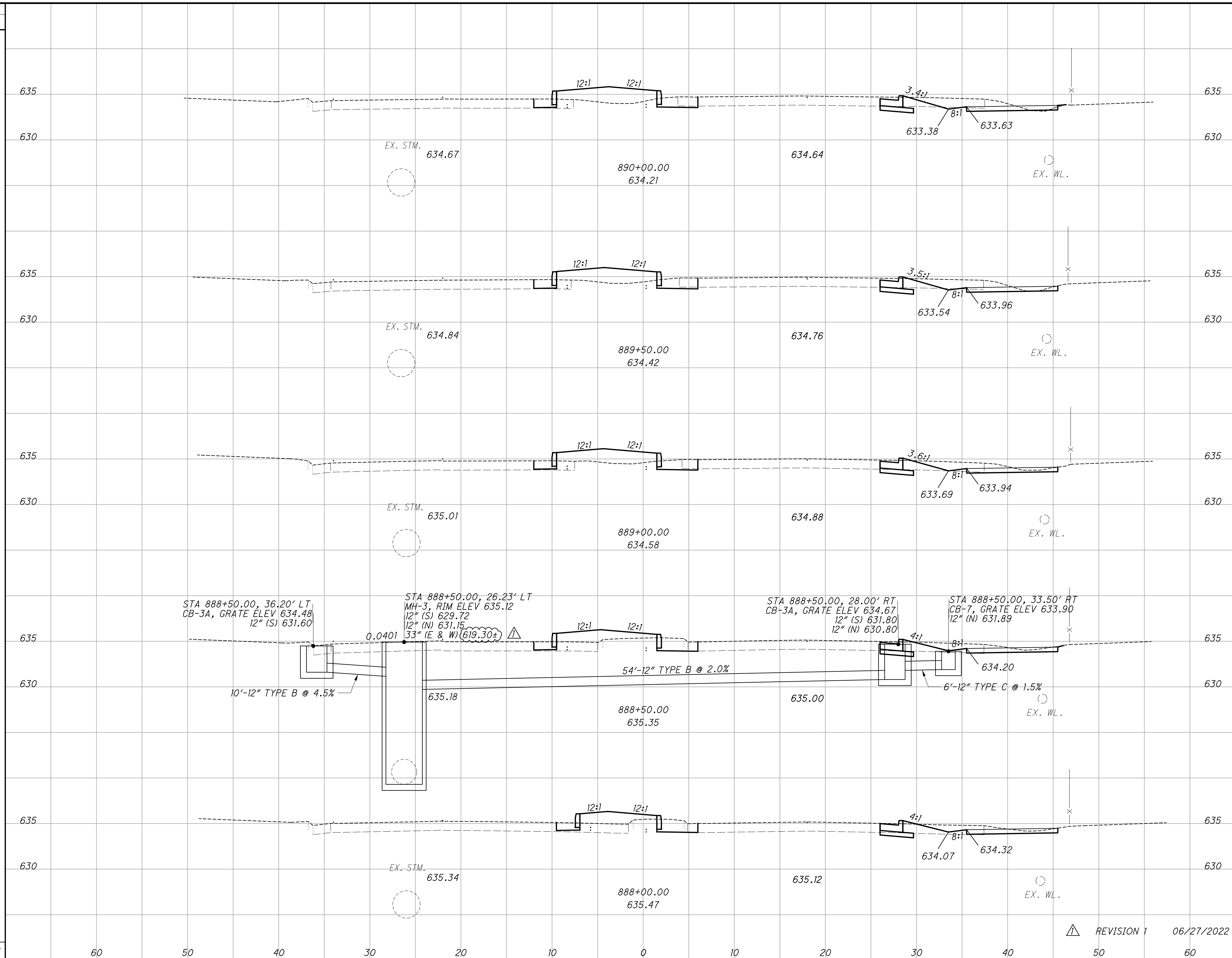
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EXIST. PROFILE GRADE	634.82	634.89	634.92	634.98	634.98	634.97	634.90	634.85	634.80	634.75	634.70	634.66	634.61	634.56	634.51	634.47	634.42	634.37	634.32	634.27	634.23	634.18	634.13	634.08	634.03	633.98	633.93	633.88	633.83	633.78	633.73	633.68	633.63	633.58	633.53	633.48	633.43	633.38	633.33	633.28	633.23	633.18	633.13	633.08	633.03	632.98	632.93	632.88	632.83	632.78	632.73	632.68	632.63	632.58	632.53	632.48	632.43	632.38	632.33	632.28	632.23	632.18	632.13	632.08	632.03	631.98	631.93	631.88	631.83	631.78	631.73	631.68	631.63	631.58	631.53	631.48	631.43	631.38	631.33	631.28	631.23	631.18	631.13	631.08	631.03	630.98	630.93	630.88	630.83	630.78	630.73	630.68	630.63	630.58	630.53	630.48	630.43	630.38	630.33	630.28	630.23	630.18	630.13	630.08	630.03	629.98	629.93	629.88	629.83	629.78	629.73	629.68	629.63	629.58	629.53	629.48	629.43	629.38	629.33	629.28	629.23	629.18	629.13	629.08	629.03	628.98	628.93	628.88	628.83	628.78	628.73	628.68	628.63	628.58	628.53	628.48	628.43	628.38	628.33	628.28	628.23	628.18	628.13	628.08	628.03	627.98	627.93	627.88	627.83	627.78	627.73	627.68	627.63	627.58	627.53	627.48	627.43	627.38	627.33	627.28	627.23	627.18	627.13	627.08	627.03	626.98	626.93	626.88	626.83	626.78	626.73	626.68	626.63	626.58	626.53	626.48	626.43	626.38	626.33	626.28	626.23	626.18	626.13	626.08	626.03	625.98	625.93	625.88	625.83	625.78	625.73	625.68	625.63	625.58	625.53	625.48	625.43	625.38	625.33	625.28	625.23	625.18	625.13	625.08	625.03	624.98	624.93	624.88	624.83	624.78	624.73	624.68	624.63	624.58	624.53	624.48	624.43	624.38	624.33	624.28	624.23	624.18	624.13	624.08	624.03	623.98	623.93	623.88	623.83	623.78	623.73	623.68	623.63	623.58	623.53	623.48	623.43	623.38	623.33	623.28	623.23	623.18	623.13	623.08	623.03	622.98	622.93	622.88	622.83	622.78	622.73	622.68	622.63	622.58	622.53	622.48	622.43	622.38	622.33	622.28	622.23	622.18	622.13	622.08	622.03	621.98	621.93	621.88	621.83	621.78	621.73	621.68	621.63	621.58	621.53	621.48	621.43	621.38	621.33	621.28	621.23	621.18	621.13	621.08	621.03	620.98	620.93	620.88	620.83	620.78	620.73	620.68	620.63	620.58	620.53	620.48	620.43	620.38	620.33	620.28	620.23	620.18	620.13	620.08	620.03	619.98	619.93	619.88	619.83	619.78	619.73	619.68	619.63	619.58	619.53	619.48	619.43	619.38	619.33	619.28	619.23	619.18	619.13	619.08	619.03	618.98	618.93	618.88	618.83	618.78	618.73	618.68	618.63	618.58	618.53	618.48	618.43	618.38	618.33	618.28	618.23	618.18	618.13	618.08	618.03	617.98	617.93	617.88	617.83	617.78	617.73	617.68	617.63	617.58	617.53	617.48	617.43	617.38	617.33	617.28	617.23	617.18	617.13	617.08	617.03	616.98	616.93	616.88	616.83	616.78	616.73	616.68	616.63	616.58	616.53	616.48	616.43	616.38	616.33	616.28	616.23	616.18	616.13	616.08	616.03	615.98	615.93	615.88	615.83	615.78	615.73	615.68	615.63	615.58	615.53	615.48	615.43	615.38	615.33	615.28	615.23	615.18	615.13	615.08	615.03	614.98	614.93	614.88	614.83	614.78	614.73	614.68	614.63	614.58	614.53	614.48	614.43	614.38	614.33	614.28	614.23	614.18	614.13	614.08	614.03	613.98	613.93	613.88	613.83	613.78	613.73	613.68	613.63	613.58	613.53	613.48	613.43	613.38	613.33	613.28	613.23	613.18	613.13	613.08	613.03	612.98	612.93	612.88	612.83	612.78	612.73	612.68	612.63	612.58	612.53	612.48	612.43	612.38	612.33	612.28	612.23	612.18	612.13	612.08	612.03	611.98	611.93	611.88	611.83	611.78	611.73	611.68	611.63	611.58	611.53	611.48	611.43	611.38	611.33	611.28	611.23	611.18	611.13	611.08	611.03	610.98	610.93	610.88	610.83	610.78	610.73	610.68	610.63	610.58	610.53	610.48	610.43	610.38	610.33	610.28	610.23	610.18	610.13	610.08	610.03	609.98	609.93	609.88	609.83	609.78	609.73	609.68	609.63	609.58	609.53	609.48	609.43	609.38	609.33	609.28	609.23	609.18	609.13	609.08	609.03	608.98	608.93	608.88	608.83	608.78	608.73	608.68	608.63	608.58	608.53	608.48	608.43	608.38	608.33	608.28	608.23	608.18	608.13	608.08	608.03	607.98	607.93	607.88	607.83	607.78	607.73	607.68	607.63	607.58	607.53	607.48	607.43	607.38	607.33	607.28	607.23	607.18	607.13	607.08	607.03	606.98	606.93	606.88	606.83	606.78	606.73	606.68	606.63	606.58	606.53	606.48	606.43	606.38	606.33	606.28	606.23	606.18	606.13	606.08	606.03	605.98	605.93	605.88	605.83	605.78	605.73	605.68	605.63	605.58	605.53	605.48	605.43	605.38	605.33	605.28	605.23	605.18	605.13	605.08	605.03	604.98	604.93	604.88	604.83	604.78	604.73	604.68	604.63	604.58	604.53	604.48	604.43	604.38	604.33	604.28	604.23	604.18	604.13	604.08	604.03	603.98	603.93	603.88	603.83	603.78	603.73	603.68	603.63	603.58	603.53	603.48	603.43	603.38	603.33	603.28	603.23	603.18	603.13	603.08	603.03	602.98
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SEEDING  
END WIDTH SQ. YDS.  
19  
103  
18  
100  
18  
72  
8  
67  
16  
64  
406



END AREA		VOLUME		CALCULATED		CHECKED	
CUT	FILL	CUT	FILL	SV	SV	DFP	DFP
10	16	19	29				
10	15	19	27				
10	14	19	22				
11	10	19	18				
10	9	14	9				
90	105						

CROSS SECTIONS U.S. 24  
STA. 888+00.00 TO STA. 890+00.00  
LUC-24-15.61  
128  
370

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SHEET NUM.										PART.	ITEM	ITEM	GRAND	UNIT	DESCRIPTION	SEE SHEET NO.
286	287	289	293	297	301	305	309	313	317	02/SAF/ PV		EXT	TOTAL			
<b>TRAFFIC SIGNALS</b>																
		184	327	154	240	266	177		189	1,537	611	96600	1,537	FT	CONDUIT, BORED OR JACKED, 3", 725.04	
		107	228	98	86	137	116			772	611	96600	772	FT	CONDUIT, BORED OR JACKED, 4", 725.04	
60										60	614	11110	60	HOUR	LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE	
		791	1,034	666	644	951	786		1,259	6,131	625	23306	6,131	FT	NO. 10 AWG 600 VOLT DISTRIBUTION CABLE	
		214	184	107	219	234	204		139	1,301	625	25402	1,301	FT	CONDUIT, 2", 725.05	
		184	327	154	240	266	177		189	1,537	625	25500	1,537	FT	CONDUIT, 3", 725.04	
		63	78	40	24	250	42		155	652	625	25502	652	FT	CONDUIT, 3", 725.05	
		107	228	98	86	137	116			772	625	25600	772	FT	CONDUIT, 4", 725.04	
		60	20	38	46	24	70		6	264	625	25602	264	FT	CONDUIT, 4", 725.05	
							186	198	718	1,102	625	25920	1,102	FT	CONDUIT, MISC.:REUSE OF EXISTING	260
		290	223	141	238	496	284		281	1,953	625	29000	1,953	FT	TRENCH	
		5	4	4	4	4	5		4	30	625	30706	30	EACH	PULL BOX 725.08, 24"	
		5	2	5	5	5	5		4	31	625	32000	31	EACH	GROUND ROD	
		10	8	10	8	7	11		6	60	632	05006	60	EACH	VEHICULAR SIGNAL HEAD, (LED), 3-SECTION, 12" LENS, 1-WAY, POLYCARBONATE, BLACK	
		1	4			3	3		3	14	632	05086	14	EACH	VEHICULAR SIGNAL HEAD, (LED), 5-SECTION, 12" LENS, 1-WAY, POLYCARBONATE, BLACK	
		8	8	8	8	8	8		6	54	632	20730	54	EACH	PEDESTRIAN SIGNAL HEAD (LED), TYPE D2, COUNTDOWN	
		11	12	10	8	10	14		9	74	632	25000	74	EACH	COVERING OF VEHICULAR SIGNAL HEAD	
		8	8	8	8	8	8		6	54	632	26000	54	EACH	PEDESTRIAN PUSHBUTTON	
		310	287	128	128	280	321		96	1,550	632	40200	1,550	FT	SIGNAL CABLE, 2 CONDUCTOR, NO. 14 AWG	
		1,120	1,523	556	160	963	1,443		819	6,584	632	40500	6,584	FT	SIGNAL CABLE, 5 CONDUCTOR, NO. 14 AWG	
		2,268	2,859	1,894	1,951	2,956	2,454		4,585	18,967	632	40700	18,967	FT	SIGNAL CABLE, 7 CONDUCTOR, NO. 14 AWG	
		81	78	70	76	66	99		57	527	632	62810	527	FT	INTERCONNECT CABLE, MISC.:ETHERNET RADIO	260
		4	1	4	4	4	4		3	24	632	64010	24	EACH	SIGNAL SUPPORT FOUNDATION	
		8	7	5	8	8	8		5	49	632	64020	49	EACH	PEDESTAL FOUNDATION	
		49	48	38	132	30	42			339	632	68200	339	FT	POWER CABLE, 2 CONDUCTOR, NO. 6 AWG	
		812	1,042	685	660	967	806	425	1,270	6,667	632	69900	6,667	FT	SERVICE CABLE, 3 CONDUCTOR, NO. 4 AWG	
		1		1	1	1	1		1	6	632	70000	6	EACH	POWER SERVICE	
			1							1	632	70001	1	EACH	POWER SERVICE, AS PER PLAN, REUSE OF EXISTING	260
							1			1	632	80700	1	EACH	SIGNAL SUPPORT, MISC.: TC-12.31, DESIGN 10, INSTALLATION ONLY, AS PER PLAN	285
		1		2						3	632	80700	3	EACH	SIGNAL SUPPORT, MISC.: TC-81.22, DESIGN 2, INSTALLATION ONLY, AS PER PLAN	285
					3	2	1		1	7	632	80700	7	EACH	SIGNAL SUPPORT, MISC.: TC-81.22, DESIGN 4, INSTALLATION ONLY, AS PER PLAN	285
					1		2			3	632	80700	3	EACH	SIGNAL SUPPORT, MISC.: TC-81.22, DESIGN 12, INSTALLATION ONLY, AS PER PLAN	285
		3		2		2			2	9	632	80700	9	EACH	SIGNAL SUPPORT, MISC.: TC-81.22, DESIGN 13, INSTALLATION ONLY, AS PER PLAN	285
			4					2		6	632	80700	6	EACH	SIGNAL SUPPORT, MISC.:FIELD PAINTING, BLACK	287
		8	7	5	8	8	8		5	49	632	89900	49	EACH	PEDESTAL, 8', TRANSFORMER BASE, BLACK	
								3		3	632	90010	3	EACH	PEDESTAL, MISC.:FIELD PAINTING, BLACK	287
		1		1	1	1	1		1	6	632	90100	6	EACH	REMOVAL OF TRAFFIC SIGNAL INSTALLATION	
			4					2		6	632	90206	6	EACH	REUSE OF SIGNAL SUPPORT	
		1	1	1	1	1	1		1	7	633	65510	7	EACH	CABINET, TYPE TS-2	
		1	1	1	1	1	1		1	7	633	67100	7	EACH	CABINET FOUNDATION	
		1	1		1				1	4	633	67200	4	EACH	CONTROLLER WORK PAD	
		1	1	1	1	1	1		1	7	633	75000	7	EACH	UNINTERRUPTIBLE POWER SUPPLY (UPS), 1000 WATT	
		4	4	4	4	4	4		3	27	809	69100	27	EACH	STOP LINE RADAR DETECTION	
		1	1	1	1	1	1		1	7	809	69122	7	EACH	ATC CONTROLLER	
		1	1	1	1	1	1		1	7	815	30000	7	EACH	SPREAD SPECTRUM RADIO	
	LS								LS	815		30100	LS		TRAINING FOR SPREAD SPECTRUM RADIO	

**TRAFFIC SIGNAL GENERAL SUMMARY**  
**LUC - 24 - 15.61**

REVISION 1 06/27/2022