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SHEET NUM.										PART.	ITEM	ITEM	GRAND	UNIT	DESCRIPTION	SEE SHEET NO.
51	58									01/SAF/PV	EXT	TOTAL				
	2									2	625	26253	2	EACH	LUMINAIRE, CONVENTIONAL, SOLID STATE (LED), AS PER PLAN, ASYMMETRIC, 120V, HIGH OUTPUT	90
	87									87	625	29000	87	FT	TRENCH	
	2									2	625	30706	2	EACH	PULL BOX, 725.08, 24"	
	8									8	625	32000	8	EACH	GROUND ROD	
	2									2	630	79000	2	EACH	SIGN HANGER ASSEMBLY, SPAN WIRE	
	15									15	630	80100	15	SF	SIGN, FLAT SHEET	
	14									14	632	05007	14	EACH	VEHICULAR SIGNAL HEAD, (LED), 3-SECTION, 12" LENS, 1-WAY, POLYCARBONATE, AS PER PLAN	91
	2									2	632	05087	2	EACH	VEHICULAR SIGNAL HEAD, (LED), 5-SECTION, 12" LENS, 1-WAY, POLYCARBONATE, AS PER PLAN	91
	16									16	632	25000	16	EACH	COVERING OF VEHICULAR SIGNAL HEAD	90
	865									865	632	30200	865	FT	MESSANGER WIRE, 7 STRAND, 3/8" DIAMETER WITH ACCESSORIES	
	865									865	632	30600	865	FT	TETHER WIRE, WITH ACCESSORIES	
	200									200	632	40500	200	FT	SIGNAL CABLE, 5 CONDUCTOR, NO. 14 AWG	
	1,840									1,840	632	40700	1,840	FT	SIGNAL CABLE, 7 CONDUCTOR, NO. 14 AWG	
	1,680									1,680	632	42300	1,680	FT	SIGNAL CABLE, 3 CONDUCTOR, NO. 12 AWG (LIGHTING)	
	8									8	632	64000	8	EACH	STRAIN POLE FOUNDATION	
	300									300	632	68300	300	FT	POWER CABLE, 3 CONDUCTOR, NO. 6 AWG	
	255									255	632	69800	255	FT	SERVICE CABLE, 3 CONDUCTOR, NO. 6 AWG	
	2									2	632	70000	2	EACH	POWER SERVICE	
	4									4	632	70400	4	EACH	CONDUIT RISER, 2" DIAMETER	
	6									6	632	83200	6	EACH	STRAIN POLE, TYPE TC-81.10, DESIGN 12	
	2									2	632	85200	2	EACH	COMBINATION STRAIN POLE, TYPE TC-81.10, DESIGN 12	
	2									2	632	90400	2	EACH	SIGNALIZATION, MISC.:CDMA MODEM, FURNISH ONLY	93
	2									2	633	65511	2	EACH	CABINET, TYPE TS-2, AS PER PLAN	91
	2									2	633	67100	2	EACH	CABINET FOUNDATION	
	2									2	633	67200	2	EACH	CONTROLLER WORK PAD	
	2									2	633	75001	2	EACH	UNINTERRUPTIBLE POWER SUPPLY (UPS), 1000 WATT, AS PER PLAN	91
	3									3	633	99000	3	EACH	CONTROLLER ITEM, MISC.:ETHERNET RADIO (UBIQUITY)	91
	2									2	633	99000	2	EACH	CONTROLLER ITEM, MISC.:UNMANAGED ETHERNET SWITCH	91
	60									60	809	64550	60	FT	ETHERNET CABLE, OUTDOOR-RATED	
	6									6	809	69000	6	EACH	ADVANCE RADAR DETECTION	93
	4									4	809	69100	4	EACH	STOP LINE RADAR DETECTION	93
	2									2	809	69123	2	EACH	ATC V6.24 CONTROLLER, AS PER PLAN	91
<b>MAINTENANCE OF TRAFFIC</b>																
	1,659									1,659	202	23000	1,659	SY	PAVEMENT REMOVED	
	108									108	614	11110	108	HOUR	LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE	10
	5,885									5,885	614	11630	5,885	FT	INCREASED BARRIER DELINEATION	
	7									7	614	12346	7	EACH	WORK ZONE IMPACT ATTENUATOR (UNIDIRECTIONAL), 24-INCH WIDE	10
	3									3	614	12348	3	EACH	WORK ZONE IMPACT ATTENUATOR (BIDIRECTIONAL), 24-INCH WIDE	10
	2									2	614	12500	2	EACH	REPLACEMENT SIGN	9
	20									20	614	12600	20	EACH	REPLACEMENT DRUM	9
	137									137	614	13310	137	EACH	BARRIER REFLECTOR, TYPE 1(BI-DIRECTIONAL)	
	137									137	614	13350	137	EACH	OBJECT MARKER, ONE WAY	
	0.22									0.22	614	20550	0.22	MILE	WORK ZONE LANE LINE, CLASS III, 4", 642 PAINT	
	2.09									2.09	614	22100	2.09	MILE	WORK ZONE EDGE LINE, CLASS I, 4", 642 PAINT	11
	0.73									0.73	614	22350	0.73	MILE	WORK ZONE EDGE LINE, CLASS III, 4", 642 PAINT	
	612									612	614	23200	612	FT	WORK ZONE CHANNELIZING LINE, CLASS I, 8", 642 PAINT	
	403									403	614	23680	403	FT	WORK ZONE CHANNELIZING LINE, CLASS III, 8", 642 PAINT	
	239									239	614	26200	239	FT	WORK ZONE STOP LINE, CLASS I, 642 PAINT	
	110									110	614	26610	110	FT	WORK ZONE STOP LINE, CLASS III, 642 PAINT	
	1,948									1,948	615	20000	1,948	SY	PAVEMENT FOR MAINTAINING TRAFFIC, CLASS A	
	2									2	622	41050	2	EACH	PORTABLE BARRIER, "Y" CONNECTOR	
	5,905									5,905	622	41100	5,905	FT	PORTABLE BARRIER, UNANCHORED	
<b>INCIDENTALS</b>																
										LS	614	11000	LS		MAINTAINING TRAFFIC	
										3	619	16010	3	MNTH	FIELD OFFICE, TYPE B	
										LS	623	10000	LS		CONSTRUCTION LAYOUT STAKES AND SURVEYING	
										LS	624	10000	LS		MOBILIZATION	

CALCULATED JTO CHECKED JDH  
**GENERAL SUMMARY**  
**UNI-42-4.51 / 4.68**  
 50  
 106

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SHEET NUM.										PART.		ITEM	ITEM	GRAND	UNIT	DESCRIPTION	SEE SHEET NO.
						9	10	11	54				EXT	TOTAL			
									1,659			202	23000	1,659	SY	PAVEMENT REMOVED	
							108					614	1110	108	HOUR	LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE	10
							LS					614	11000	LS		MAINTAINING TRAFFIC	9
									7			614	12346	7	EACH	WORK ZONE IMPACT ATTENUATOR (UNIDIRECTIONAL), 24-INCH WIDE	10
									3			614	12348	3	EACH	WORK ZONE IMPACT ATTENUATOR (BIDIRECTIONAL), 24-INCH WIDE	10
						2						614	12500	2	EACH	REPLACEMENT SIGN	9
						20						614	12600	20	EACH	REPLACEMENT DRUM	9
									137			614	13310	137	EACH	BARRIER REFLECTOR, TYPE 1 (BI-DIRECTIONAL)	
									137			614	13350	137	EACH	OBJECT MARKER, ONE WAY	
								5,885				614	11630	5,885	FT	INCREASED BARRIER DELINEATION	11
									0.22			614	20550	0.22	MILE	WORK ZONE LANE LINE, CLASS III, 4", 642 PAINT	
									2.09			614	22100	2.09	MILE	WORK ZONE EDGE LINE, CLASS I, 4", 642 PAINT	
									612			614	23200	612	FT	WORK ZONE CHANNELIZING LINE, CLASS I, 8", 642 PAINT	
									0.73			614	22350	0.73	MILE	WORK ZONE EDGE LINE, CLASS III, 4", 642 PAINT	
									403			614	23680	403	FT	WORK ZONE CHANNELIZING LINE, CLASS III, 8", 642 PAINT	
									239			614	26200	239	FT	WORK ZONE STOP LINE, CLASS I, 642 PAINT	
									110			614	26610	110	FT	WORK ZONE STOP LINE, CLASS III, 642 PAINT	
									1,948.0			615	20000	1,948.0	SY	PAVEMENT FOR MAINTAINING TRAFFIC, CLASS A	
									2			622	41050	2	EACH	PORTABLE BARRIER, "Y" CONNECTOR	
									5905			622	41100	5905	FT	PORTABLE BARRIER, UNANCHORED	
TOTALS ON THIS SHEET HAVE BEEN CARRIED TO THE GENERAL SUMMARY																	

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SHEET NO.	REFERENCE NO.	LOCATION	STATION		LENGTH FT	AVERAGE WIDTH FT	SIDE	GRAPHICAL GENERATED AREA SF	202	614	614	614	614	614	614	614	614	614	614	614	614	615	622	622			
			PAVEMENT REMOVED SY	WORK ZONE IMPACT ATTENUATOR (BIDIRECTIONAL), 24-INCH WIDE EACH					WORK ZONE IMPACT ATTENUATOR (UNIDIRECTIONAL), 24-INCH WIDE EACH	BARRIER REFLECTOR, TYPE 1 (BI-DIRECTIONAL, Y/R) EACH	BARRIER REFLECTOR, TYPE 1 (BIDIRECTIONAL, W/R) EACH	OBJECT MARKER, ONE WAY EACH	WORK ZONE EDGE LINE, CLASS I, 4", 642 PAINT (WHITE) MILE	WORK ZONE EDGE LINE, CLASS I, 4", 642 PAINT (YELLOW) MILE	WORK ZONE CHANNELIZING LINE, CLASS I. 8", 642 PAINT FT	WORK ZONE STOP LINE, CLASS I, 642 PAINT FT	WORK ZONE EDGE LINE, CLASS III, 4", 642 PAINT (WHITE) MILE	WORK ZONE EDGE LINE, CLASS III, 4", 642 PAINT (YELLOW) MILE	WORK ZONE CHANNELIZING LINE, CLASS III. 8", 642 PAINT FT	WORK ZONE STOP LINE, CLASS III, 642 PAINT FT	WORK ZONE LANE LINE, CLASS III, 4" 642 PAINT MILE	PAVEMENT FOR MAINTAINING TRAFFIC, CLASS A SY	PORTABLE BARRIER, UNANCHORED FT	PORTABLE BARRIER, "Y" CONNECTOR EACH			
		PHASE 1																									
17		RAMP D NO QUANTITIES THIS SHEET																									
18	ELW1 PMT1	RAMP D RAMP D	1062+28 1063+22	1072+30 1072+26	904	3.6	LT RT	3274.0						0.19										363.8			
19	SL1 PMT2 SL2 SL3	RAMP D US 42 US 42 US 42	1072+23 236+33 236+68 237+80	1072+30 237+06	74	13.4	LT LT/RT LT RT	983.0																19 24 40	109.2		
20		RAMP C NO QUANTITIES THIS SHEET																									
21		RAMP A NO QUANTITIES THIS SHEET																									
22	SL4 SL5 PMT3 SL6 ELW2 PMT4	US 42 US 42 US 42 RAMP B RAMP B RAMP B	246+90 245+80 246+52 1069+96 1069+96 1070+01	247+25 1070+03 1079+50 1078+00	73	13.4	LT RT LT/RT RT RT LT	978.0						0.18										26 38 21	108.7		
23		RAMP B NO QUANTITIES THIS SHEET						2908.6																323.2			
24		RAMP B NO QUANTITIES THIS SHEET																									
		PHASE 2																									
25	ELY1 IA1 PB1	RAMP D US 33 US 33	1061+58 1061+63 1061+95	1072+33 1062+05			LT RT RT				1					0.20									10		
26	PBY1 PB2 PB3 PMT5 ELW3	US 33 US 33 RAMP D RAMP D RAMP D	1062+05 1062+16 1062+17 1063+06 1063+73	1064+11 1072+10 1072+26 1072+43	920	5.1	RT RT LT LT RT	4727.0				21	6	6	21		0.16								525.2		
27	SL7 ELW4	RAMP D RAMP C	1072+33 1071+28	1072+43 1076+13			LT/RT LT																	30	0.02		
28		RAMP S NO QUANTITIES THIS SHEET																									
SUBTOTALS THIS SHEET											1	23	6	29	0.63	0.20		198						1,430.1	1,213	1	
TOTALS CARRIED TO NEXT SHEET											1	23	6	29	0.63	0.20		198							1,430.1	1,213	1

CALCULATED SSS CHECKED hjt  
**MAINTENANCE OF TRAFFIC ESTIMATED QUANTITIES**  
**UNI-42-4.51 / 4.68**

6/25/2020 4:08:13 PM ssopraseuth  
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SHEET NO.	REFERENCE NO.	LOCATION	STATION		LENGTH FT	AVERAGE WIDTH FT	SIDE	GRAPHICAL GENERATED AREA SF	202	614	614	614	614	614	614	614	614	614	614	614	614	615	622	622			
			PAVEMNET REMOVED SY	WORK ZONE IMPACT ATTENUATOR (BIDIRECTIONAL), 24-INCH WIDE EACH					WORK ZONE IMPACT ATTENUATOR (UNIDIRECTIONAL), 24-INCH WIDE EACH	BARRIER REFLECTOR, TYPE 1 (BT-DIRECTIONAL, Y/R) EACH	BARRIER REFLECTOR, TYPE 1 (BIDIRECTIONAL, W/R) EACH	OBJECT MARKER, ONE WAY EACH	WORK ZONE EDGE LINE, CLASS I, 4", 642 PAINT (WHITE) MILE	WORK ZONE EDGE LINE, CLASS I, 4", 642 PAINT (YELLOW) MILE	WORK ZONE CHANNELIZING LINE, CLASS I. 8", 642 PAINT FT	WORK ZONE STOP LINE, CLASS I, 642 PAINT FT	WORK ZONE EDGE LINE, CLASS III, 4", 642 PAINT (WHITE) MILE	WORK ZONE EDGE LINE, CLASS III, 4", 642 PAINT (YELLOW) MILE	WORK ZONE CHANNELIZING LINE, CLASS III. 8", 642 PAINT FT	WORK ZONE STOP LINE, CLASS III, 642 PAINT FT	WORK ZONE LANE LINE, CLASS III, 4" 642 PAINT MILE	PAVEMENT FOR MAINTAINING TRAFFIC, CLASS A SY	PORTABLE BARRIER, UNANCHORED FT	PORTABLE BARRIER, "Y" CONNECTOR EACH			
			FROM	TO					FT	FT	SY	EACH	EACH	EACH	EACH	EACH	MILE	MILE	FT	FT	MILE	MILE	FT	FT	MILE	SY	FT
		PHASE 2 (CONTINUED)																									
29		RAMP A NO QUANTITIES THIS SHEET																									
30	SL8 ELW6 ELY2 PMT8 PB4	RAMP B RAMP B RAMP B RAMP B RAMP B	1069+77 1069+77 1069+92 1069+94 1070+16	1069+92 1078+51 1079+50 1078+98 1079+84	904	5.2	4661.0								0.17	0.18											
31	PB5 PBY2 PB6	US 33 US 33 US 33	1077+92 1079+82 1079+94.5	1079+82																							
32	IA4	US 33	1080+04.5																								
		PHASE 3																									
33	IA5 PB7 ELW7	RAMP D RAMP D RAMP D	1060+07 1060+40 1060+50	1072+10 1072+29																							
34	CH1 CH2 ELY3 RP1	RAMP D RAMP D RAMP D RAMP D	1062+56 1062+56 1063+99 1063+22	1062+93 1062+99 1072+25 1072+26	904	3.6	3274.0	363.8																			
35	SL9 ELW8 ELY4	RAMP D RAMP B RAMP C	1072+25 1071+11 1071+25	1072+29 1075+58 1076+43																							
		US 42 - RAMP D CLOSURE US 42 - RAMP C CLOSURE	234+93 235+56	239+60 238+77																							
36		RAMP C NO QUANTITIES THIS SHEET																									
37		RAMP A NO QUANTITIES THIS SHEET																									
38	SL10 ELW10 ELY5 RP2 PB9	RAMP B RAMP B RAMP B RAMP B RAMP B	1069+96 1069+96 1070+01 1070+01 1070+16	1070+01 1080+21 1078+02 1078+00 1081+20	799	3.6	2908.6	323.2																			
39	CH3 CH4	RAMP B RAMP B	1078+02 1078+07	1079+12 1080+10																							
40	IA6	RAMP B	1081+20																								
		US 42 - RAMP A CLOSURE US 42 - RAMP B CLOSURE	244+95 245+05	248+35 245+03																							
SUBTOTALS THIS SHEET								687	3	2	21	87	108	0.67	0.59	612	41										
SUBTOTALS PREVIOUS SHEET										1	23	6	29	0.63	0.20		198										
TOTALS CARRIED TO NEXT SHEET								687	3	7	44	93	137	1.29	0.79	612	239										

CALCULATED SSS CHECKED hjt  
**MAINTENANCE OF TRAFFIC ESTIMATED QUANTITIES**  
**UNI-42-4.51 / 4.68**

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SHEET NO.	REFERENCE NO.	LOCATION	STATION		LENGTH FT	AVERAGE WIDTH FT	SIDE	GRAPHICAL GENERATED AREA SF	202	614	614	614	614	614	614	614	614	614	614	614	614	615	622	622			
			PAVEMENT REMOVED SY	WORK ZONE IMPACT ATTENUATOR (BIDIRECTIONAL), 24-INCH WIDE EACH					WORK ZONE IMPACT ATTENUATOR (UNIDIRECTIONAL), 24-INCH WIDE EACH	BARRIER REFLECTOR, TYPE 1 (BI-DIRECTIONAL, Y/R) EACH	BARRIER REFLECTOR, TYPE 1 (BIDIRECTIONAL, W/R) EACH	OBJECT MARKER, ONE WAY EACH	WORK ZONE EDGE LINE, CLASS I, 4", 642 PAINT (WHITE) MILE	WORK ZONE EDGE LINE, CLASS I, 4", 642 PAINT (YELLOW) MILE	WORK ZONE CHANNELIZING LINE, CLASS I. 8", 642 PAINT FT	WORK ZONE STOP LINE, CLASS I, 642 PAINT FT	WORK ZONE EDGE LINE, CLASS III, 4", 642 PAINT (WHITE) MILE	WORK ZONE EDGE LINE, CLASS III, 4", 642 PAINT (YELLOW) MILE	WORK ZONE CHANNELIZING LINE, CLASS III. 8", 642 PAINT FT	WORK ZONE STOP LINE, CLASS III, 642 PAINT FT	WORK ZONE LANE LINE, CLASS III, 4" 642 PAINT MILE	PAVEMENT FOR MAINTAINING TRAFFIC, CLASS A SY	PORTABLE BARRIER, UNANCHORED FT	PORTABLE BARRIER, "Y" CONNECTOR EACH			
		PHASE 4																									
41		RAMP D NO QUANTITIES THIS SHEET																									
42	ELY6	RAMP D	1062+71	1072+31	960																						
	ELW12	RAMP D	1063+22	1072+87	997																0.19	0.18					
	RP3	RAMP D	1063+22	1072+26	904	4.9	LT	4440.0	493.3																		
	LL1	RAMP D	1064+78	1071+34	656																		0.12				
43	CH6	RAMP D	1071+34	1072+34	100																	100					
43	SL11	RAMP D	1072+30	1072+47																			50				
		RAMP C NO QUANTITIES THIS SHEET																						7			
44		RAMP C NO QUANTITIES THIS SHEET																									
45		RAMP A NO QUANTITIES THIS SHEET																									
46	CH7	RAMP B	1069+43	1072+46	303																		303				
	LL2	RAMP B	1072+46	1077+26	480																			0.09			
	ELW13	RAMP B	1069+50	1078+74	965																0.18						
	SL12	RAMP B	1069+79	1069+97																			53				
	ELY7	RAMP B	1069+90	1079+00	910																	0.17					
46	RP4	RAMP B	1070+30	1078+74	844	5.1	RT	4306.0	478.4																		
47		RAMP B NO QUANTITIES THIS SHEET																									
48		RAMP B NO QUANTITIES THIS SHEET																									
SUBTOTALS THIS SHEET								972	3	7	44	93	137	1.29	0.79	612	239			0.37	0.35	403	110	0.22			
SUBTOTALS PREVIOUS SHEET								687																			
<b>TOTALS CARRIED TO MOT SUBSUMMARY</b>								1,659	3	7	137	137		2.09		612	239			0.73		403	110	0.22	1,948.0	5,905	2

MAINTENANCE OF TRAFFIC ESTIMATED QUANTITIES

UNI-42-4.51 / 4.68

CALCULATED  
SSS  
CHECKED  
hjt