SHEET NUMBERS														PARTICIPATION			ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
14-16	17-19	27	28	29	30	31	82	89	90	102	103	112	114	01/SAF/PV	02/STR/PV	03/STR/CV						
																					DRAINAGE	
								6.0						1.1		4.9	602	20000	6.0	CY	CONCRETE MASONRY	
									735					735			605	13300	735	FT	6" UNCLASSIFIED PIPE UNDERDRAINS	
									3969					3158	811		605	14000	3969	FT	6" BASE PIPE UNDERDRAINS	
									105					40	65		611	00410	105	FT	4" CONDUIT, TYPE F FOR UNDERDRAIN OUTLET	
									10					10			611	01500	10	FT	6" CONDUIT, TYPE F	
50														50			611	01500	50	FT	6" CONDUIT, TYPE F, FOR DRAINAGE CONNECTION	
50														50			611	01800	50	FT	8" CONDUIT, TYPE B	
50														50			611	02500	50	FT	8" CONDUIT, TYPE E, FOR DRAINAGE CONNECTION	
50														50			611	03600	50	FT	10" CONDUIT, TYPE E	
								242						242			611	04400	242	FT	12" CONDUIT, TYPE B	
								32						32			611	04600	32	FT	12" CONDUIT, TYPE C	
50														50			611	04600	50	FT	12" CONDUIT, TYPE C, FOR DRAINAGE CONNECTION	
							82							82			611	04900	82	FT	12" CONDUIT, TYPE D, 706.01 OR 706.02	
							42							42			611	04900	42	FT	12" CONDUIT, TYPE D, 706.02	
50														50			611	05200	50	FT	12" CONDUIT, TYPE F	
								28						28			611	06100	28	FT	15" CONDUIT, TYPE C	
								136								136	611	20700	136	FT	48" CONDUIT, TYPE A, 706.02	
								92								92	611	53200	92	FT	48" X 76" CONDUIT, TYPE A, 706.04	
								4						4			611	98150	4	EACH	CATCH BASIN, NO. 3	
								5						5			611	98180	5	EACH	CATCH BASIN, NO. 3A	
									6					2	4		611	99710	6	EACH	PRECAST REINFORCED CONCRETE OUTLET	
																					PAVEMENT	
					16									16			254	01000	16	SY	PAVEMENT PLANING, ASPHALT CONCRETE, 3.0"	
				1142	765									2083	424		301	46000	2507	CY	ASPHALT CONCRETE BASE, PG64-22	
				1460	922		151							2240	293		304	20000	2533	CY	AGGREGATE BASE	
					11									11			304	20001	11	CY	AGGREGATE BASE, AS PER PLAN	16
				1137	507									1368	276		407	20000	1644	GAL	NON-TRACKING TACK COAT	
				238	107										345		441	10000	345	CY	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (446), PG64-22	
				331	148									399	80		441	10200	479	CY	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (446)	
							210							210			452	10010	210	SY	6" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P	
					900									900			452	12010	900	SY	8" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P	
				529	695									1224			516	13600	1224	SF	1" PREFORMED EXPANSION JOINT FILLER	
				2179	1210									3389			609	12000	3389	FT	COMBINATION CURB AND GUTTER, TYPE 2	
				1588	464									2052			609	24510	2052	FT	CURB, TYPE 4-C	
					811									811			609	26000	811	FT	CURB, TYPE 6	
					810									810			609	31000	810	FT	COMBINATION CURB AND GUTTER, TYPE 9	
				718	208									926			609	70000	926	SY	4" CONCRETE MEDIAN	
																					LIGHTING	
												30		30			625	00450	30	EACH	CONNECTION, FUSED PULL APART	
												18		18			625	00480	18	EACH	CONNECTION, UNFUSED PERMANENT	
												10		10			625	10490	10	EACH	LIGHT POLE, CONVENTIONAL, AT12B40	
												10		10			625	14100	10	EACH	LIGHT POLE FOUNDATION, 24" X 8' DEEP	
												708		708			625	23200	708	FT	NO. 4 AWG 2400 VOLT DISTRIBUTION CABLE	
												1410		1410			625	23400	1410	FT	NO. 10 AWG POLE AND BRACKET CABLE	
												1058		1058			625	24320	1058	FT	1-1/2" DUCT CABLE WITH THREE NO. 4 AWG 2400 VOLT CABLES	
												196		196			625	25902	196	FT	CONDUIT, JACKED OR DRILLED, 725.04, 3"	
												10		10			625	26253	10	EACH	LUMINAIRE, CONVENTIONAL, SOLID STATE (LED), AS PER PLAN, IES-II, LED, 15000-16300 LUMENS	111
												918		918			625	29002	918	FT	TRENCH, 24" DEEP	
												7		7			625	30700	7	EACH	PULL BOX, 725.08, 18"	
												10		10			625	32000	10	EACH	GROUND ROD	
												1		1			625	34001	1	EACH	POWER SERVICE, AS PER PLAN	111
												918		918			625	36010	918	FT	UNDERGROUND WARNING/MARKING TAPE	
												1		1			625	76000	1	EACH	ARC FLASH CALCULATIONS AND LABEL, HIGHWAY LIGHTING	

CALCULATED KLM
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GENERAL SUMMARY

DEL-61-4.71

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LOCATION												DESIGN				QUANTITIES																			REMARKS
SHEET	COUNTY	ROUTE	BEG STA	END STA	BEG SLM	END SLM	BASELINE	BEG STA	END STA	LENGTH	SIDE	TYPICAL SECTION	LENGTH	AVG. WIDTH	PAVEMENT AREA	202 PAVEMENT REMOVED	204 SUBGRADE COMPACTION	204 PROOF ROLLING	301 ASPHALT CONCRETE BASE COURSE, PG64-22		304 AGGREGATE BASE (UNDER PAVEMENT)		304 AGGREGATE BASE (UNDER CURB AND GUTTER OR CURB)		304 AGGREGATE BASE (SHOULDER)		407 NON-TRACKING TACK COAT	441 ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (446), PG64-22		441 ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2 (446)		516 1" PREFORMED EXPANSION JOINT FILLER	609 COMBINATION CURB AND GUTTER, TYPE 2	609 CURB, TYPE 4-C	609 4" CONCRETE MEDIAN	
										MI			FT	FT	SY	SY	SY	HOUR	IN	CY	IN	CY	IN	CY	IN	CY	GAL	IN	CY	IN	CY	SF	FT	FT	SY	
32	DEL	61	229+94.12	234+28.72	4.355	4.437				0.082		EX. 1	435	29.7	1432	1432																				
33	DEL	61	234+28.72	235+27.97	4.437	4.456				0.019		EX. 1	99	55.8	615	615																				INTERSECTION
34	DEL	61	235+27.97	241+18.53	4.456	4.568				0.112		EX. 1	591	27.8	1827	1827																				
35	DEL	61	241+18.53	245+06.15	4.568	4.641				0.073		EX. 1	388	28.5	1227	1227																				
36	DEL	656	0+55.72	8+50.08	0.011	0.161				0.150		EX. 2	794	21.0	1857	1857																				
38	WILSON		280+10.83	280+38.30						0.005	LT	3C	27	3.9	12	12																				
38	WILSON		280+10.83	280+38.30						0.005	RT	3C	27	3.9	12	12																				
38	WILSON		280+38.30	284+67.25						0.081		EX. 3	429	19.6	936	936																				
32	DEL	61	229+94.12	230+04.12	4.355	4.357				0.002		1A	10	29.7	33		36	0.01	9.0	9	6.0	6					6	1.25	1.1	1.75	1.6					
32	DEL	61	230+04.12	230+13.99	4.357	4.359				0.002		2A	10	23.7	26		26	0.01	9.0	7	6.0	4	9.0	2			4	1.25	0.9	1.75	1.3		20			
33	DEL	61	230+13.99	231+56.88	4.359	4.386	SR	80+00.00	81+42.49	0.027		3A	142	27.2	430		430	0.19	9.0	108	6.0	72	9.0	24			71	1.25	15	1.75	21		284			
33	DEL	61	231+56.88	232+07.78	4.386	4.395	SR	81+42.49	81+93.81	0.010	RT	4A	51	14.9	85		85	0.04	9.0	21	6.0	14	9.0	4			14	1.25	3	1.75	4		51			
33	DEL	61	232+07.78	233+56.02	4.395	4.423	SR	81+93.81	83+51.56	0.030	RT	4A	158	16.3	286		286	0.12	9.0	72	6.0	48	9.0	13			47	1.25	10	1.75	14		158			
33	DEL	61	233+52.36	233+91.41			SR	83+51.56		0.009	RT	4A	46	5.7	29		29	0.02	9.0	7	6.0	5	9.0	4			5	1.25	1	1.75	1		46			
33							SR	81+40.98	83+24.66			4A	184	4.6	93						4.0	10	6.0	4								127		381	93	SPLITTER ISLAND
33							SR	83+02.66	83+41.67			4A	39	17.5	76						4.0	8	6.0	1								52		155	76	SPLITTER ISLAND
33	DEL	61	231+53.98	233+30.02	4.385	4.419	SL	71+41.83	73+26.63	0.035	LT	4A	185	14.7	302		302	0.13	9.0	76	6.0	50	9.0	15			50	1.25	10	1.75	15		185			
33	DEL	61	233+30.02	233+51.76	4.419	4.423	SL	73+26.63	73+51.26	0.005	LT	4A	25	16.8	46		46	0.02	9.0	12	6.0	8	9.0	2			8	1.25	2	1.75	2		25			
34	DEL	61	236+62.16	236+93.95	4.481	4.487	NR	30+14.49	30+51.40	0.007	RT	5A	37	17.6	72		72	0.03	9.0	18	6.0	12	9.0	3			12	1.25	3	1.75	4		37			
34	DEL	61	236+93.95	238+15.43	4.487	4.510	NR	30+51.40	31+83.13	0.025	RT	5A	132	14.6	213		213	0.09	9.0	53	6.0	36	9.0	11			35	1.25	7	1.75	10		132			
34							NR	30+10.86	30+61.97			5A	51	17.8	101						4.0	11	6.0	2								56		169	101	SPLITTER ISLAND
34							NR	30+42.74	31+84.60			5A	142	8.4	133						4.0	15	6.0	3								103		310	133	SPLITTER ISLAND
34	DEL	61	236+04.03	236+50.99			NL		40+05.92	0.009	LT	5A	49	6.0	33		33	0.02	9.0	8	6.0	6	9.0	4			5	1.25	1	1.75	2		49			
34	DEL	61	236+48.23	237+69.79	4.479	4.502	NL	40+05.92	41+34.08	0.024	LT	5A	128	16.4	233		233	0.10	9.0	58	6.0	39	9.0	11			38	1.25	8	1.75	11		128			
34	DEL	61	237+69.79	238+12.71	4.502	4.510	NL	41+34.08	41+76.90	0.008	LT	5A	43	14.9	71		71	0.03	9.0	18	6.0	12	9.0	4			12	1.25	2	1.75	3		43			
34	DEL	61	238+12.71	239+01.80	0.000	0.017	NL	41+76.90	42+65.64	0.017		6A	89	27.2	268		268	0.12	9.0	67	6.0	45	9.0	15			44	1.25	9	1.75	13		178			
34	DEL	61	239+01.80	239+26.90	4.502	4.507	NL	42+65.64	42+90.74	0.005		6A	25	25.1	70		70	0.03	9.0	18	6.0	12	9.0	4			12	1.25	2	1.75	3		50			
34	DEL	61	239+26.90	240+51.57	4.532	4.555				0.024		7A	125	35.1	486		523	0.18	9.0	126	6.0	87					81	1.25	17	1.75	24					
35	DEL	61	240+51.57	241+18.53	4.555	4.568				0.013		7A	67	39.8	296		315	0.11	9.0	76	6.0	53					50	1.25	10	1.75	14					
35	DEL	61	241+18.53	243+83.26	4.555	4.605				0.050		7A	265	39.7	1167		1244	0.42	9.0	300	6.0	207					196	1.25	42	1.75	57					
35	DEL	61	243+83.26	245+06.15	4.568	4.591				0.023		7A	123	35.1	479		516	0.17	9.0	124	6.0	86					80	1.25	17	1.75	23					
34	DEL	656	1+05.43	1+64.54			ER		90+21.48	0.011	RT	1B	59	10.0	66		66	0.03	9.0	17	6.0	11	9.0	5			11	1.25	2	1.75	3		59			
36	DEL	656	1+64.54	4+11.38	0.031	0.078	ER	90+21.48	92+68.09	0.047	RT	1B	247	16.3	447		447	0.19	9.0	112	6.0	75	9.0	21			74	1.25	16	1.75	22		247			
34							ER	90+10.90	90+34.81			1B	24	19.2	51						4.0	6	6.0	1								35		106	51	SPLITTER ISLAND
34							ER	90+34.46	90+65.43			1B	31	15.4	53						4.0	6	6.0	1								32		96	53	SPLITTER ISLAND
36							ER	90+90.63	92+69.57			1B	179	10.6	211						4.0	23	6.0	3								124		371	211	SPLITTER ISLAND
36	DEL	656	2+01.31	2+38.13	0.038	0.045	ER	90+57.70	90+94.61	0.007			37	13.7	56		56	0.02	9.0	14	6.0	9					9	1.25	2	1.75	3					DRIVE CROSSOVER
34	DEL	656	1+75.89	2+48.21	0.033	0.047	EL	20+05.44	20+93.25	0.017	LT	1B	88	17.0	166		166	0.07	9.0	42	6.0	28	9.0	7			27	1.25	6	1.75	8		88			
36	DEL	656	2+48.21	4+12.46	0.047	0.078	EL	20+93.25	22+58.04	0.031	LT	1B	165	14.5	265		265	0.11	9.0	66	6.0	44	9.0	14			44	1.25	9	1.75	13		165			
36	DEL	656	4+12.46	5+19.39	0.045	0.065	EL	22+58.04	23+65.53	0.020		2B	107	27.5	328		328	0.14	9.0	82	6.0	55					54	1.25	11	1.75	16		214			
36	DEL	656	5+19.39	5+29.39	0.000	0.002	EL	23+65.53	23+75.50	0.002		2B	10	25.3	28		28	0.01	9.0	7	6.0	5					5	1.25	1.0	1.75	1.4		20			
36	DEL	656	5+29.39	6+61.08	0.100	0.125				0.025		3B	132	26.9	394		434	0.15	9.0	103	6.0	72			8.0	7	66	1.25	14	1.75	19					
36	DEL	656	6+61.08	7+08.88	0.125	0.134				0.009		3B	48	23.9	127		141	0.05	9.0	33	6.0	24			8.0	2	21	1.25	4	1.75	6					
37	DEL	656	7+08.88	8+50.08	0.134	0.161				0.027		3B	141	21.1	331		374	0.13	9.0	88	6.0	62			8.0	7	56	1.25	11	1.75	16					
TOTALS CARRIED TO GENERAL SUMMARY																7918	7103	2.74		1742		1266		178		16	1137		238		331	529	2179	1588	718	
																					TOTAL			1460												

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PAVEMENT SUBSUMMARY

DEL-61-4.71

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