

SHEET NO.	209		254		254		302		302		304		304				305			407				407		441							
	LINEAR GRADING, AS PER PLAN		PAVEMENT PLANING, ASPHALT CONCRETE, 1.25" AVERAGE		PAVEMENT PLANING, ASPHALT CONCRETE, 5" AVERAGE		8" ASPHALT CONCRETE BASE PG64-22		10.5" ASPHALT CONCRETE BASE, PG64-22		5" AGGREGATE BASE		6" AGGREGATE BASE				VARIABLE DEPTH AGGREGATE BASE (9" AVERAGE)			9" CONCRETE BASE, CLASS QC 1P			NON-TRACKING TACK COAT				TACK COAT, 702.13 (0.070 GAL/SY - 1 APPLICATION)		2" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, (448), (UNDER GUARDRAIL), AS PER PLAN				
	STA		SY		SY		CY		CY		CY		CY				CY			SY			GAL				GAL		CY				
	01/IMS/PV	02/IMS/PV	01/IMS/PV	01/IMS/PV	02/IMS/PV	01/IMS/PV	01/IMS/PV	02/IMS/PV	01/IMS/PV	02/IMS/PV	01/IMS/PV	02/IMS/PV	09/MPO/OT	10/IMS/OT/ COL	01/IMS/PV	02/IMS/PV	01/IMS/PV	09/MPO/OT	10/IMS/OT/ COL	01/IMS/PV	02/IMS/PV	09/MPO/OT	10/IMS/OT/ COL	01/IMS/PV	09/MPO/OT	10/IMS/OT/ COL	01/IMS/PV	02/IMS/PV					
3							2612	1742			1256	838			376	251				1459	973												
4							1175	784			282	188			640	427				663	442												
5							1683	1562			773	773			340	227				983	915												
6							610	1178			359	703								343	659												
7							255	2597			153	1484				124				142	1469												
8								1506				928									841												
9							130	952			75	557								74	536												
10	14	24																										39	64				
11	10	36																									29	109					
12											12	8																					
13				861	574				-2	-59										121	81												
14											334			290			1700		1622	94			90			119		114					
15			3595				9				346		27	71		1924	162	-75	416			9	-5		135	12	-6						
16																																	
17											254	460																					
18									142	181	48	61																					
TOTALS CARRIED TO THE GENERAL SUMMARY	24	60	3595	861	574	9	6463	10262	142	181	3842	5813	27	364	1356	1029	3624	162	1547	4295	5916	9	85	254	12	108	68	173					
SHEET NO.	441			441				442		442		442		442		SPECIAL			452			452		601				608		608		823	
	1 1/4" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), AS PER PLAN, PG64-22			1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (448)				1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, 19 MM, TYPE A, (448)		ANTI-SEGREGATION EQUIPMENT		1 1/2" ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (447), AS PER PLAN		1 1/2" ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (446), AS PER PLAN, PG76-22M		PRESSURE RELIEF JOINT, TYPE A			4" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P			12" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P		RIP RAP, WITH GROUT, AS PER PLAN				WALKWAY, MISC.: BRICK PAVEMENT CROSSWALK		WALKWAY MISC.: 6X6 CONCRETE PAVERS		1 1/4" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448)	
	CY			CY				CY		CY		CY		CY		FT			SY			SY		SF				SF		SF		CY	
	01/IMS/PV	09/MPO/OT	10/IMS/OT/ COL	01/IMS/PV	02/IMS/PV	09/MPO/OT	10/IMS/OT/ COL	01/IMS/PV	02/IMS/PV	01/IMS/PV	02/IMS/PV	01/IMS/PV	02/IMS/PV	01/IMS/PV	02/IMS/PV	01/IMS/PV	01/IMS/PV	01/IMS/PV	02/IMS/PV	01/IMS/PV		01/IMS/PV	02/IMS/PV	10/IMS/OT/ COL	01/IMS/PV	02/IMS/PV	01/IMS/PV	02/IMS/PV	01/IMS/PV	02/IMS/PV			
3								433	289	597	398	361	241																				
4								195	130			163	109																				
5								277	257	289	289	237	220																				
6								100	190	139	189	12	55	117	312																		
7								41	433		804		66	34	306																		
8								242							206																		
9								22	157		92	19	84		51																		
10																																	
13								42	28	78	52	36	24																				
14	60		57	83			79										99				135												
15	193	6	-3	96		8	-4														496												
16																																	
18				46	58																												
TOTALS CARRIED TO THE GENERAL SUMMARY	253	6	54	225	58	8	75	1110	1726	1103	1824	828	799	151	875		99		150	191	631					1243	1582	5044	1078	1371	33	41	

PAVEMENT SUBSUMMARY

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CALCULATED
CHECKED
CWL

SHEET NO.	609		609		609		609		609		609		618		622		622		622		622		622		CALCULATED C/C	CHECKED C/NL			
	CURB, TYPE 4-C		CURB, TYPE 6		CURB, MISC.: COLUMBUS 18" GRANITE CURB		CURB, MISC.: COLUMBUS 18" CONCRETE CURB		CURB, MISC.: COMBINATION CURB AND GUTTER, TYPE SPECIAL		4" CONCRETE TRAFFIC ISLAND		RUMBLE STRIPS, (ASPHALT CONCRETE)		CONCRETE BARRIER, SINGLE SLOPE, TYPE B		CONCRETE BARRIER, SINGLE SLOPE, TYPE C1		CONCRETE BARRIER, SINGLE SLOPE, TYPE D		CONCRETE BARRIER, SINGLE SLOPE, TYPE D, AS PER PLAN								
	FT		FT		FT		FT		FT		SY		MILE		FT		FT		FT		FT		FT						
	01/IMS/PV	02/IMS/PV	02/IMS/PV	11/ENH/OT/COL		10/IMS/OT/COL			01/IMS/PV	01/IMS/PV	01/IMS/PV	02/IMS/PV		01/IMS/PV	02/NHS/PV	01/IMS/PV	02/NHS/PV		01/IMS/PV	02/NHS/PV		01/IMS/PV	02/NHS/PV	01/IMS/PV	02/NHS/PV				
3	74	50																											
4	962	641																											
5	855	652																											
6	50	94																											
7																													
8		531	271																										
9		105																											
10											1764	1053																	
12																70	47		48	32		739	528	194	194				
13																													
14				306		717			662																				
15				691					99																				
16				43		47			185					1.0	1.0														
18																													
TOTALS CARRIED TO THE GENERAL SUMMARY	1941	2073	271	1040		764			847	99	1764	1053		1	1	70	47		48	32		739	528	194	194				
SHEET NO.	622		622		304		305		622		622		622		622		622		622		622		622		CALCULATED C/C	CHECKED C/NL			
	BARRIER MISC.: CONCRETE BARRIER, TYPE B50		CONCRETE BARRIER, END ANCHORAGE, REINFORCED, TYPE B		4" AGGREGATE BASE		6" CONCRETE BASE, CLASS CC 1P		CONCRETE BARRIER, END ANCHORAGE, REINFORCED, TYPE C1, AS PER PLAN		CONCRETE BARRIER, END ANCHORAGE, REINFORCED, TYPE D		CONCRETE BARRIER, END ANCHORAGE, REINFORCED, TYPE D, AS PER PLAN		CONCRETE BARRIER, END SECTION, TYPE D		CONCRETE BARRIER, END SECTION, TYPE D, AS PER PLAN "A"		CONCRETE BARRIER, END SECTION, TYPE D, AS PER PLAN "B"		BARRIER TRANSITION								
	FT		EACH		CY		SY		EACH		EACH		EACH		EACH		EACH		EACH		EACH								
	01/IMS/PV	02/NHS/PV	01/IMS/PV	02/NHS/PV	01/IMS/PV	02/NHS/PV	01/IMS/PV	02/NHS/PV	01/IMS/PV	02/NHS/PV	01/IMS/PV	02/NHS/PV	01/IMS/PV	02/NHS/PV	02/NHS/PV	01/IMS/PV	02/NHS/PV		02/NHS/PV		02/NHS/PV		01/IMS/PV	02/NHS/PV					
12	48	32			2	2									1	1	13	12			1		5	6		1		1	1
TOTALS CARRIED TO THE GENERAL SUMMARY	48	32			2	2	14	17	120	153					1	1	13	12			1		5	6		1		1	1

PAVEMENT SUBSUMMARY

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STATION		SIDE	LENGTH (L) FT	AVERAGE WIDTH (W) FT	CURVE CORRECTION RATIO	CURB CORRECTION RATIO	SURFACE AREA (A=L*W) SF	CADD AREA SF	AREA FOR 4" EXTENSION SF	AREA FOR 6" EXTENSION SF	AREA FOR 20" EXTENSION SF	AREA FOR 28" EXTENSION SF	302		304		304		407		442		442		609		CALCULATED CIC	CHECKED CIVIL		
													10.5" ASPHALT CONCRETE BASE, PG64-22 CY		6" AGGREGATE BASE CY		VARIABLE DEPTH AGGREGATE BASE (8" AVERAGE) CY		NON-TRACKING TACK COAT (0.065 GAL/SY - 3 APPLICATION) GAL		1 1/2" ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (447), AS PER PLAN CY		1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, 19 MM, TYPE A (446) CY		ANTI-SEGREGATION EQUIPMENT CY				CURB, TYPE 4-C FT	
FROM	TO												01/IMS/PV	02/NHS/PV	01/IMS/PV	02/NHS/PV	01/IMS/PV	02/NHS/PV	01/IMS/PV	02/NHS/PV	01/IMS/PV	02/NHS/PV	01/IMS/PV	02/NHS/PV	01/IMS/PV	02/NHS/PV				
EASTBOUND I.R. 70																														
FULL DEPTH LANES																														
125+96.00	126+95.71	LT	99.71	24.00	1.0021	2398.07							46.63	31.09	26.65	17.76			26.38	17.59	6.66	4.44	7.77	5.18	14.43	9.62				
128+27.86	129+50.00	LT	122.14	24.00	1.0021	2937.52							57.12	38.08	32.64	21.76			32.31	21.54	8.16	5.44	9.52	6.35	17.68	11.79				
4169+93.98	4175+58.08	LT	564.10	24.00	1.0031	13580.37							264.06	176.04	150.89	100.60			149.38	99.59	37.72	25.15	44.01	29.34	81.73	54.49				
4177+15.06	4177+77.84	LT	62.78	24.00	1.0031	1511.39							29.39	19.59	16.79	11.20			16.63	11.08	4.20	2.80	4.90	3.27	9.10	6.07				
4177+77.84	4186+04.15	LT	826.31	24.00		19831.44							385.61	257.07	220.35	146.90			218.15	145.43	55.09	36.72	64.27	42.85	119.36	79.57				
4186+04.15	4186+25.00	LT	20.85	24.00	0.9959	498.35							9.69	6.46	5.54	3.69			5.48	3.65	1.38	0.92	1.62	1.08	3.00	2.00				
4186+25.00	4186+72.06	LT					81.99						1.59	1.06					1.37	0.91	0.90	0.60	0.23	0.15	0.27	0.18	0.50	0.33		
125+96.00	126+95.68	RT	99.68	12.00	0.9990	1194.96							23.24	15.49	13.28	8.85			13.14	8.76	3.32	2.21	3.87	2.58	7.19	4.79				
128+28.25	129+50.00	RT	121.75	12.00	0.9990	1459.54							28.38	18.92	16.22	10.81			16.05	10.70	4.05	2.70	4.73	3.15	8.78	5.85				
4169+93.98	4175+64.56	RT	570.58	24.00	0.9969	13651.47							265.45	176.96	151.68	101.12			150.17	100.11	37.92	25.28	44.24	29.49	82.16	54.77				
4177+25.72	4177+77.84	RT	52.12	41.43	0.9946	2147.67							41.76	27.84	23.86	15.91			23.62	15.75	5.97	3.98	6.96	4.64	12.93	8.62				
4177+77.84	4186+04.15	RT	826.31	32.59		26929.44							523.63	349.09	299.22	199.48			296.22	197.48	74.80	49.87	87.27	58.18	162.07	108.05				
4186+04.15	4186+20.50	RT	16.35	24.16	1.0042	396.68							7.71	5.14	4.41	2.94			4.36	2.91	1.10	0.73	1.29	0.86	2.39	1.59				
4186+20.50	4186+72.06	RT	51.56	24.00	1.0041	1242.51							24.16	16.11			20.71	13.81	13.67	9.11	3.45	2.30	4.03	2.68	7.48	4.98				
4186+72.06	4196+03.94	RT					10272.67						199.75	133.16			171.21	114.14	113.00	75.33	28.54	19.02	33.29	22.19	61.83	41.21				
4196+03.94	4197+98.56	RT	194.62	5.40		1050.95							20.44	13.62			17.52	11.68	11.56	7.71	2.92	1.95	3.41	2.27	6.33	4.22				
FULL DEPTH SHOULDER																														
125+96.00	126+33.00	LT	37.00	12.74	1.0053	473.88						86.89	10.90	7.27	6.23	4.15			6.17	4.11	1.32	0.88	1.82	1.21						
126+33.00	126+95.75	LT	62.75	12.00	1.0052	756.92							147.34	17.58	11.72	10.05	6.70			9.95	6.63	2.10	1.40	2.93	1.95					
128+27.50	128+95.00	LT	67.50	12.00	1.0052	814.21					113.21		15.83	10.55	10.30	6.87			8.96	5.97	2.26	1.51	2.64	1.76			40.76	27.17		
128+95.00	129+50.00	LT	55.00	11.39	1.0052	629.71					92.24		12.24	8.16	8.02	5.35			6.93	4.62	1.75	1.17	2.04	1.36			33.20	22.14		
4158+61.63	4165+98.74	LT					7502.84						145.89	97.26			125.05	83.36	82.53	55.02	20.84	13.89	24.31	16.21						
4169+82.17	4170+02.21	LT	20.04	14.00	1.0081	282.83							5.50	3.67	3.14	2.10			3.11	2.07	0.79	0.52	0.92	0.61						
4170+02.21	4170+41.79	LT	39.58	14.80	1.0082	590.59							11.48	7.66	6.56	4.37			6.50	4.33	1.64	1.09	1.91	1.28						
4170+41.79	4170+51.68	LT	9.89	15.30	1.0083	152.57							2.97	1.98	1.70	1.13			1.68	1.12	0.42	0.28	0.49	0.33						
4170+51.68	4170+91.16	LT	39.48	16.85	1.0085	670.89							13.05	8.70	7.45	4.97			7.38	4.92	1.86	1.24	2.17	1.45						
4170+91.16	4173+50.00	LT	258.84	15.00	1.0082	3914.44							79.08	52.72	47.37	31.58			44.18	29.45	10.87	7.25	12.69	8.46						
4173+50.00	4174+06.00	LT	56.00	15.20	1.0083	858.26							17.33	11.55	10.37	6.92			9.68	6.46	2.38	1.59	2.78	1.85						
4174+06.00	4174+45.96	LT	39.96	14.65	1.0082	590.21							11.48	7.65	6.56	4.37			6.49	4.33	1.64	1.09	1.91	1.28						
4174+45.96	4174+55.95	LT	9.99	13.90	1.0081	139.99							2.72	1.81	1.56	1.04			1.54	1.03	0.39	0.26	0.45	0.30						
4174+55.95	4174+95.93	LT	39.98	14.20	1.0081	572.31							11.13	7.42	6.36	4.24			6.30	4.20	1.59	1.06	1.85	1.24						
4174+95.93	4175+53.86	LT	57.93	14.20	1.0081	829.27							16.12	10.75	9.21	6.14			9.12	6.08	2.30	1.54	2.69	1.79						
4177+10.18	4177+57.34	LT	47.16	12.46	1.0079	592.26							15.14	10.09	9.05	6.03			8.46	5.64	1.65	1.10	2.43	1.62						
4177+57.34	4177+77.84	LT	20.50	12.38	1.0079	255.79							6.90	4.63	3.92	2.61			3.66	2.44	0.71	0.47	1.05	0.70						
4177+77.84	4180+77.93	LT	300.09	11.94		3583.07							100.03	150.04			700.21	92.52	61.68	55.37	36.91									
4180+77.93	4181+17.93	LT	40.00	11.24		449.60							93.33	11.79	7.86	7.07	4.71			6.58	4.39	1.25	0.83	1.89	1.26					
4181+17.93	4186+04.15	LT	486.22	10.30		5008.07							162.07	243.11			1134.51	134.41	89.61	80.86	53.90									
4186+04.15	4186+25.00	LT	20.85	9.50	0.9901	196.11							6.87	4.75	4.13	2.72			3.00	2.00	0.54	0.36	0.86	0.57						
4186+25.00	4186+39.42	LT	14.42	9.50	0.9901	135.63							4.75	3.13	2.72	1.81			3.37	2.25	2.08	1.38	0.38	0.25	0.59	0.40				
4186+39.42	4187+90.00	LT	150.58				1483.72						50.19	75.29			351.35	40.32	26.88	36.44	24.29	6.17	4.11	4.12	2.75	6.43	4.29			
TOTALS CARRIED TO PAVEMENT SUBSUMMARY													2612	1742	1256	838	376	251	1459	973	361	241	433	289	597	398	74	50		

PAVEMENT CALCULATIONS

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STATION	SIDE	LENGTH (L) FT	AVERAGE WIDTH (W) FT	CURVE CORRECTION RATIO	CURB CORRECTION RATIO	SURFACE AREA (A=L*W) SF	CADD AREA SF	AREA FOR 4" EXTENSION SF	AREA FOR 6" EXTENSION SF	AREA FOR 20" EXTENSION SF	AREA FOR 22" EXTENSION SF	302 10.5" ASPHALT CONCRETE BASE, PG64-22		304 6" AGGREGATE BASE		304 VARIABLE DEPTH AGGREGATE BASE (8" AVERAGE)		407 NON-TRACKING TACK COAT (0.085 GAL/SY - 3 APPLICATION)		442 1 1/2" ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (447), AS PER PLAN		442 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, 19 MM, TYPE A (446)		609 CURB, TYPE 4-C		
												CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	FT	FT		
FROM	TO					SF	SF	SF	SF	SF	SF	CY	CY	CY	CY	CY	CY	GAL	CY	CY	CY	CY	FT	FT		
EASTBOUND I.R. 70																										
FULL DEPTH SHOULDER CONT'D																										
4187+90.00	4188+87.48	LT	97.48	10.26	0.9900	990.14						19.25	12.84			16.50	11.00	10.89	7.26	2.75	1.83	3.21	2.14			
4188+87.48	4190+40.00	LT	152.52	8.67	0.9909	1310.32						25.48	16.99			21.84	14.56	14.41	9.61	3.64	2.43	4.25	2.83			
4190+40.00	4191+54.37	LT	114.37	7.95	0.9917	901.69						17.53	11.69			15.03	10.02	9.92	6.61	2.50	1.67	2.92	1.95			
4191+54.37	4192+63.51	LT	109.14	7.16	0.9917	774.96						15.07	10.05			12.92	8.61	8.52	5.68	2.15	1.44	2.51	1.67			
4192+63.51	4193+45.18	LT	81.67	7.82	0.9912	633.04						12.31	8.21			10.55	7.03	6.96	4.64	1.76	1.17	2.05	1.37			
4193+45.18	4196+99.64	LT	354.46	8.90		3154.69						61.34	40.89			52.58	35.05	34.70	23.13	8.76	5.84	10.22	6.82			
4196+99.64	4198+63.49	LT	163.85	9.08		1487.76						28.93	19.29			24.80	16.53	16.37	10.91	4.13	2.76	4.82	3.21			
4198+63.49	4199+26.94	LT	63.45	8.35		529.81						10.30	6.87			8.83	5.89	5.83	3.89	1.47	0.98	1.72	1.14			
4199+26.94	4200+19.90	LT	92.96	7.54		700.92						13.63	9.09			11.68	7.79	7.71	5.14	1.95	1.30	2.27	1.51			
4200+19.90	4200+83.38	LT	63.48	8.42		534.50						10.39	6.93			8.91	5.94	5.88	3.92	1.48	0.99	1.73	1.15			
4200+83.38	4203+42.95	LT	259.57	9.16		2377.66						46.23	30.82			39.63	26.42	26.15	17.44	6.60	4.40	7.71	5.14			
4203+42.95	4203+82.95	LT	40.00	8.41		336.40						6.54	4.36			5.61	3.74	3.70	2.47	0.93	0.62	1.09	0.73			
4203+82.95	4205+38.70	LT	155.75	7.77		1210.18						23.53	15.69			20.17	13.45	13.31	8.87	3.36	2.24	3.92	2.61			
4205+38.70	4205+78.69	LT	39.99	8.54		341.51						6.64	4.43			5.69	3.79	3.76	2.50	0.95	0.63	1.11	0.74			
4205+78.69	4208+14.66	LT	235.97	9.30		2194.52						42.67	28.45			36.58	24.38	24.14	16.09	6.10	4.06	7.11	4.74			
128+28.25	129+50.00	RT	121.75	12.00	0.9969	1456.47				202.06		28.32	18.88	18.43	12.29			16.02	10.68	4.05	2.70	4.72	3.15	72.74	48.50	
129+50.00	133+80.04	RT	430.04	13.00	0.9968	5572.63				713.58		108.36	72.24			104.77	69.85	61.30	40.87	15.48	10.32	18.06	12.04	256.89	171.26	
133+80.04	134+45.00	RT	64.96	11.74	0.9969	760.27				107.82		14.78	9.86			14.47	9.65	8.36	5.58	2.11	1.41	2.46	1.64	38.82	25.88	
4157+88.17	4158+18.15	RT	30.00				317.74			50.00		6.18	4.12			6.13	4.09	3.50	2.33	0.88	0.59	1.03	0.69	18.00	12.00	
4158+18.15	4159+84.50	RT	166.35	12.68		2109.32		55.45	83.17			42.90	28.60			38.85	25.90	23.91	15.94	5.86	3.91	6.84	4.56			
4159+84.50	4161+44.10	RT	159.60	10.72	0.9845	1684.39		52.23	78.34			34.53	23.02			31.56	21.04	19.20	12.80	4.68	3.12	5.46	3.64			
4161+44.10	4163+70.78	RT	226.68	10.00	0.9847	2232.12		74.21	111.31			45.93	30.62			42.15	28.10	25.51	17.00	6.20	4.13	7.23	4.82			
4163+70.78	4164+98.77	RT	127.99	10.37	0.9846	1306.82		41.89	62.84			26.84	17.89			24.57	16.38	14.91	9.94	3.63	2.42	4.24	2.82			
4164+98.77	4165+91.66	RT	92.89	11.14		1034.79		30.96	46.44			21.17	14.12			19.31	12.87	11.78	7.85	2.87	1.92	3.35	2.24			
4165+91.66	4166+21.70	RT	30.00				326.70			50.00		6.35	4.24			6.28	4.19	3.59	2.40	0.91	0.61	1.06	0.71	18.00	12.00	
4170+04.52	4170+85.14	RT	80.62	7.22	0.9928	577.89				133.26		11.24	7.49	7.90	5.27			6.36	4.24	1.61	1.07	1.87	1.25	47.98	31.98	
4170+85.14	4171+05.03	RT	19.89	13.66	0.9919	269.50						5.24	3.49	2.99	2.00			2.96	1.98	0.75	0.50	0.87	0.58			
4171+05.03	4171+61.45	RT	56.42	12.70	0.9921	710.87						13.82	9.21	7.90	5.27			7.82	5.21	1.97	1.32	2.30	1.54			
4171+61.45	4172+63.03	RT	101.58	11.50	0.9922	1159.06						22.54	15.02	12.88	8.59			12.75	8.50	3.22	2.15	3.76	2.50			
4172+63.03	4173+97.24	RT	134.21	8.75	0.9926	1165.65						22.67	15.11	12.95	8.63			12.82	8.55	3.24	2.16	3.78	2.52			
4177+32.47	4177+77.84	RT	45.37	15.52	0.9917	698.30					82.32	15.18	10.12	8.67	5.78			8.59	5.72	1.94	1.29	2.53	1.69			
4177+77.84	4182+00.31	RT	422.47	16.50		6970.75						774.53	150.60	100.40	86.06	57.37			85.20	56.80	19.36	12.91	25.10	16.73		
4182+00.31	4183+25.00	RT	124.69	18.80		2344.17						228.60	50.03	33.35	28.59	19.06			28.30	18.87	6.51	4.34	8.34	5.56		
4183+25.00	4183+88.93	RT	63.93	19.20		1227.46						117.20	26.15	17.43	14.94	9.96			14.79	9.86	3.41	2.27	4.36	2.91		
4183+88.93	4186+04.15	RT	215.22	14.33		3084.10				358.70		59.97	39.98	38.25	25.50			33.93	22.62	8.57	5.71	9.99	6.66	129.13	86.09	
4186+04.15	4186+20.50	RT	16.35	10.29	1.0101	169.94				27.57		3.30	2.20	2.19	1.46			1.87	1.25	0.47	0.31	0.55	0.37	9.93	6.62	
4186+20.50	4189+25.00	RT	304.50	10.00	1.0100	3075.45				513.44		59.80	39.87	39.88	26.58			33.83	22.55	8.54	5.70	9.97	6.64	184.84	123.23	
4189+25.00	4189+50.00	RT	25.00	11.00	1.0102	277.81				42.17		5.40	3.60			5.33	3.56	3.06	2.04	0.77	0.51	0.90	0.60	15.18	10.12	
4189+50.00	4191+20.51	RT	170.51	7.22	1.0094	1242.65				287.20		24.16	16.11			25.50	17.00	13.67	9.11	3.45	2.30	4.03	2.68	103.39	68.93	
4191+20.51	4191+57.05	RT	36.54	4.43	1.0088	163.30				61.48		3.18	2.12			3.75	2.50	1.80	1.20	0.45	0.30	0.53	0.35	22.13	14.76	
4191+57.05	4192+72.36	RT	115.31	4.22	1.0088	490.89		38.80	58.20			15.77	10.51			14.97	9.98	8.67	5.78	1.36	0.91	2.41	1.61			
4192+72.36	4192+82.76	RT	10.40	4.25	1.0088	44.60				17.50		0.87	0.58			1.04	0.69	0.49	0.33	0.12	0.08	0.14	0.10	6.30	4.20	
4192+82.76	4193+32.76	RT	50.00	7.13	1.0093	359.82				84.21		7.00	4.66			7.40	4.93	3.96	2.64	1.00	0.67	1.17	0.78	30.32	20.21	
4193+32.76	4193+45.18	RT	12.42	10.00	1.0098	125.42				20.94		2.44	1.63			2.44	1.63	1.38	0.92	0.35	0.23	0.41	0.27	7.54	5.03	

PAVEMENT CALCULATIONS

FRA - 70 / 71 - 12.68 / 14.86

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TOTALS CARRIED TO PAVEMENT SUBSUMMARY

1175	784	282	188	640	427	663	442	163	109	195	130	962	641
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STATION	SIDE	LENGTH (L)	AVERAGE WIDTH (W)	CURVE CORRECTION RATIO	CURB CORRECTION RATIO	SURFACE AREA (A=L*W)	CADD AREA	AREA FOR 4" EXTENSION	AREA FOR 6" EXTENSION	AREA FOR 20" EXTENSION	AREA FOR 28" EXTENSION	302		304		304		407		442		442		609		CALCULATED CIC	CHECKED CIVIL		
												10.5" ASPHALT CONCRETE BASE, PG64-22		6" AGGREGATE BASE		VARIABLE DEPTH AGGREGATE BASE (8" AVERAGE)		NON-TRACKING TACK COAT (0.085 GAL/SY - 3 APPLICATION)		1 1/2" ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (447), AS PER PLAN		1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, 19 MM, TYPE A (446)		ANTI-SEGREGATION EQUIPMENT				CURB, TYPE 4-C	
FROM	TO		FT	FT		SF	SF	SF	SF	SF	SF	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	FT	FT					
EASTBOUND I.R. 70																													
FULL DEPTH SHOULDER CONT'D																													
4193+45.18	4195+94.13	RT	248.95	10.00		2489.50						48.41	32.27			48.41	32.27	27.38	18.26	6.92	4.61	8.07	5.38			149.37	99.58		
4195+94.13	4197+44.64	RT	150.51	9.92		1493.06						29.03	19.35			29.07	19.38	16.42	10.95	4.15	2.76	4.84	3.23			90.31	60.20		
4197+44.64	4197+98.56	RT	53.92	9.90		533.81		17.97	26.96	89.87		13.26	8.84			12.04	8.03	7.39	4.93	1.48	0.99	2.11	1.41						
4197+98.56	4200+64.05	RT	265.49	9.97		2646.94						51.47	34.31			44.12	29.41	29.12	19.41	7.35	4.90	8.58	5.72						
4200+64.05	4200+89.05	RT	25.00	11.48		287.00				41.67		5.58	3.72			5.48	3.65	3.16	2.10	0.80	0.53	0.93	0.62		15.00	10.00			
4200+89.05	4205+28.94	RT	439.89	13.00		5718.57				733.15		111.19	74.13			107.53	71.69	62.90	41.94	15.88	10.59	18.53	12.35		263.93	175.96			
WESTBOUND I.R. 70																													
FULL DEPTH SHOULDER																													
186+04.59	187+56.00	LT	151.41				1408.86			252.35		27.39	18.26			27.69	18.46	15.50	10.33	3.91	2.61	4.57	3.04			90.85	60.56		
184+46.44	188+07.13	RT					3891.88					75.68	50.45			64.86	43.24	42.81	28.54	10.81	7.21	12.61	8.41						
NORTHBOUND I.R. 71																													
FULL DEPTH LANES																													
252+86.40	254+00.38	LT	113.98	24.00		2735.52						44.33	44.33	25.33	25.33			25.08	25.08	6.33	6.33	7.39	7.39	13.72	13.72				
254+00.38	264+34.96	LT	1034.58	24.00	1.0031	24906.89						403.58	403.58	230.62	230.62			228.31	228.31	57.65	57.65	67.26	67.26	124.91	124.91				
264+34.96	266+34.96	LT	200.00	24.00	1.0110	4852.80						78.63	78.63	44.93	44.93			44.48	44.48	11.23	11.23	13.11	13.11	24.34	24.34				
266+34.96	271+02.18	LT	467.22	24.00	1.0188	11424.09						185.11	185.11	105.78	105.78			104.72	104.72	26.44	26.44	30.85	30.85	57.29	57.29				
271+02.18	272+46.34	LT	144.16	24.00	1.0010	3463.30						56.12	56.12	32.07	32.07			31.75	31.75	8.02	8.02	9.35	9.35	17.37	17.37				
272+46.34	273+78.43	LT	132.09	24.00	1.0168	3223.42						52.23	52.23	29.85	29.85			29.55	29.55	7.46	7.46	8.71	8.71	16.17	16.17				
252+86.40	254+00.38	RT	113.98	6.00		683.88						11.08	11.08	6.33	6.33			6.27	6.27	1.58	1.58	1.85	1.85	3.43	3.43				
254+00.38	257+13.02	RT	312.64	12.00	0.9984	3745.68						60.69	60.69	34.68	34.68			34.34	34.34	8.67	8.67	10.12	10.12	18.79	18.79				
264+34.96	266+34.96	RT	200.00	2.25	0.9990	449.55						7.28	7.28	4.16	4.16			4.12	4.12	1.04	1.04	1.21	1.21	2.25	2.25				
266+34.96	269+78.10	RT	343.14	4.50	0.9965	1538.73						24.93	24.93	14.25	14.25			14.11	14.11	3.56	3.56	4.16	4.16	7.72	7.72				
269+78.10	271+02.18	RT	124.08	3.30	0.9974	408.40						6.62	6.62	3.78	3.78			3.74	3.74	0.95	0.95	1.10	1.10	2.05	2.05				
271+02.18	271+78.10	RT	75.92	1.05	1.0000	79.72						1.29	1.29	0.74	0.74			0.73	0.73	0.18	0.18	0.22	0.22	0.40	0.40				
FULL DEPTH SHOULDER																													
713+95.10	714+20.10	LT	25.00	10.00		250.00				41.67		4.05	4.05	2.70	2.70			2.29	2.29	0.58	0.58	0.68	0.68			12.50	12.50		
714+20.10	715+09.28	LT	89.18																							44.59	44.59		
258+66.99	264+34.96	LT	567.97	4.00	1.0068	2287.33		190.71	286.06			42.47	42.47	28.24	28.24			37.57	37.57	5.29	5.29	6.18	6.18						
264+34.96	266+34.96	LT	200.00	4.00	1.0238	819.04		68.38	102.57			15.21	15.21	10.12	10.12			13.45	13.45	1.90	1.90	2.21	2.21						
266+34.96	271+02.18	LT	467.22	4.00	1.0408	1945.13		162.59	243.89			36.13	36.13	24.03	24.03			31.95	31.95	4.50	4.50	5.25	5.25						
271+02.18	271+82.90	LT	80.72	4.00	1.0023	323.62		26.97	40.46			6.01	6.01	4.00	4.00			5.32	5.32	0.75	0.75	0.87	0.87						
271+82.90	272+01.00	LT	18.10	4.00	1.0023	72.57				30.24		1.18	1.18	0.95	0.95			0.67	0.67	0.17	0.17	0.20	0.20			9.07	9.07		
272+01.00	272+46.34	LT	45.34	4.00	1.0023	181.78		15.15	22.72	75.75		9.94	9.94	3.16	3.23			2.73	2.73	0.42	0.42	0.76	0.76						
272+46.34	272+50.00	LT	3.66	4.00	1.0363	15.17		1.27	1.90	6.34		0.83	0.83	0.26	0.27			0.23	0.23	0.04	0.04	0.06	0.06						
272+50.00	273+98.00	LT	148.00	4.00	1.0363	613.49		51.26	76.89			11.39	11.39	7.58	7.58			10.08	10.08	1.42	1.42	1.66	1.66						
252+86.40	253+86.40	RT	100.00	12.00		1200.00						19.44	19.44	11.11	11.11			11.00	11.00	2.78	2.78	3.24	3.24						
253+86.40	254+00.38	RT	13.98	10.00		139.80						2.27	2.27	1.29	1.29			1.28	1.28	0.32	0.32	0.38	0.38						
254+00.38	257+13.02	RT	312.64	10.00	0.9987	3122.34						50.59	50.59	28.91	28.91			28.62	28.62	7.23	7.23	8.43	8.43						
260+86.40	264+34.96	RT	348.56	12.00	0.9984	4176.03		115.83	173.74			70.95	70.95	42.96	42.96			38.99	38.99	9.67	9.67	11.28	11.28						
264+34.96	265+60.00	RT	125.04	12.00	0.9924	1489.08		41.13	61.70			25.29	25.29	15.31	15.31			13.90	13.90	3.45	3.45	4.02	4.02						
265+60.00	266+10.00	RT	50.00	13.00	0.9920	644.80		16.43	24.65			10.91	10.91	6.58	6.58			6.01	6.01	1.49	1.49	1.74	1.74						
266+10.00	266+34.96	RT	24.96	14.00	0.9915	346.47				40.98		5.61	5.61	3.59	3.59			3.18	3.18	0.80	0.80	0.94	0.94			12.29	12.29		
266+34.96	269+78.10	RT	343.14	14.00	0.9819	4717.01				555.26		76.43	76.43	48.82	48.82			43.24	43.24	10.92	10.92	12.74	12.74			166.58	166.58		
TOTALS CARRIED TO PAVEMENT SUBSUMMARY												1683	1562	773	773	340	227	983	915	237	220	277	257	289	289	855	652		

PAVEMENT CALCULATIONS

FRA - 70 / 71 - 12.68 / 14.86

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STATION		SIDE	LENGTH (L) FT	AVERAGE WIDTH (W) FT	CURVE CORRECTION RATIO	CURB CURVE CORRECTION RATIO	SURFACE AREA (A=L*W) SF	CADD AREA SF	AREA FOR 4" EXTENSION SF	AREA FOR 6" EXTENSION SF	AREA FOR 20" EXTENSION SF	AREA FOR 28" EXTENSION SF	302 10.5" ASPHALT CONCRETE BASE, PG64-22 CY		304 6" AGGREGATE BASE CY		407 NON-TRACKING TACK COAT (0.065 GAL/SY - 3 APPLICATION) GAL		442 1 1/2" ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (447), AS PER PLAN CY		442 1 1/2" ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (446), AS PER PLAN, PG76- 22M CY		442 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, 19 MM, TYPE A (446) CY		442 ANTI-SEGREGATION EQUIPMENT CY		609 CURB, TYPE 4-C FT		CALCULATED CIC	CHECKED CIVIL		
FROM	TO																						01/IMS/PV	02/NHS/PV	01/IMS/PV	02/NHS/PV	01/IMS/PV	02/NHS/PV			01/IMS/PV	02/NHS/PV
NORTHBOUND I.R. 71																																
FULL DEPTH SHOULDER CONT'D																																
269+78.10	270+80.00	RT	101.90	14.00	0.9855	0.9745	1405.91						165.50	22.78	22.78	14.55	14.55	12.89	12.89	3.25	3.25					3.80	3.80		49.65	49.65		
270+80.00	270+85.00	RT	5.00	14.00	0.9855	0.9745	68.99		1.62	2.44	8.12		1.34	1.34	0.80	0.80	0.75	0.75	0.16	0.16					0.21	0.21						
270+85.00	271+02.18	RT	17.18	13.66	0.9857	0.9750	231.32		5.58	8.38	27.92		4.49	4.49	2.68	2.68	2.51	2.51	0.54	0.54					0.72	0.72						
271+02.18	271+35.00	RT	32.82	12.66	0.9993	0.9987	415.21		10.93	16.39	54.63		8.19	8.19	4.91	4.91	4.57	4.57	0.96	0.96					1.31	1.31						
271+35.00	271+78.10	RT	43.10	12.00	0.9993	0.9988	516.84		14.35	21.52	71.75		10.29	10.29	6.18	6.18	5.75	5.75	1.20	1.20					1.65	1.65						
271+78.10	272+46.34	RT	68.24	12.00	0.9995	0.9990	818.47		22.72	34.09	113.62		16.30	16.30	9.79	9.79	9.10	9.10	1.89	1.89					2.61	2.61						
272+46.34	272+46.93	RT	0.59	12.00	0.9916	0.9832	7.02		0.19	0.29	0.97		0.14	0.14	0.08	0.08	0.08	0.08	0.02	0.02					0.02	0.02						
272+46.93	273+05.93	RT	59.00	13.75	0.9904	0.9808	803.46		19.29	28.93	96.45		15.60	15.60	9.31	9.31	8.72	8.72	1.86	1.86					2.51	2.51						
273+05.93	273+56.18	RT	50.25	13.70	0.9904	0.9809	681.82		16.43	24.65	82.15		13.24	13.24	7.91	7.91	7.40	7.40	1.58	1.58					2.13	2.13						
RAMP A5																																
FULL DEPTH LANES																																
5003+23.96	5004+66.41	LT	142.45	14.00	1.0046		2003.47							64.93		37.10		36.73		9.28							10.82		20.10			
5004+66.41	5006+94.28	LT	227.87	16.00	1.0052		3664.88							118.77		67.87		67.19		16.97							19.79		36.76			
5006+94.28	5007+72.64	LT	78.36	16.00	1.0052		1260.28							40.84		23.34		23.11				5.83				6.81		12.64				
5007+72.64	5012+18.10	LT	445.46	16.00			7127.36							230.98		131.99		130.67				33.00				38.50		71.50				
5012+18.10	5015+06.97	LT	288.87	16.00	1.0158		4694.95							152.15		86.94		86.07				21.74				25.36		47.10				
FULL DEPTH SHOULDER																																
5006+94.28	5007+72.64	LT	78.36	4.00	1.0092	1.0105	316.32		26.39	39.59				11.75		7.81		6.36				8.79				1.71						
5007+72.64	5012+18.10	LT	445.46	4.00			1781.84		148.49	222.73				66.17		44.00		35.84				49.50				9.62						
5012+18.10	5015+07.72	LT	289.62	4.00	1.0277	1.0316	1190.57		99.59	149.39				44.23		29.42		23.96				33.07				6.43						
5003+23.96	5004+50.00	RT	126.04	10.00	0.9967	0.9935	1256.24							40.71		23.26		23.03		5.82					6.79							
5004+50.00	5004+66.41	RT	16.41	10.00	0.9967	0.9935	163.56		5.43	8.15				5.61		3.43		3.11		0.76					0.88							
5004+66.41	5006+94.28	RT	227.87	10.00	0.9967	0.9935	2271.18		75.46	113.19				77.88		47.65		43.25		10.51					12.27							
5006+94.28	5007+44.28	RT	50.00	9.00	0.9971	0.9941	448.70		16.57	24.85				15.48		9.54		8.58				12.46				2.42						
5007+44.28	5007+72.64	RT	28.36	8.00	0.9974	0.9948	226.29		9.40	14.11				7.87		4.89		4.35				6.29				1.22						
5007+72.64	5012+18.10	RT	445.46	8.00			3563.68		148.49	222.73				123.91		76.99		68.51				98.99				19.25						
5012+18.10	5013+90.00	RT	171.90	8.00	0.9921	0.9842	1364.34		56.39	84.59				47.41		29.44		26.22				37.90				7.37						
5013+90.00	5014+34.17	RT	44.17	8.00	0.9921	0.9842	350.57				72.45			11.36		7.83		6.43				1.62				1.89				43.47		
5014+34.17	5015+05.98	RT	71.81	8.00	0.9921	0.9842	569.94		23.56	35.34	117.79			24.77		15.14		13.76				2.64				3.91						
RAMP C3																																
FULL DEPTH LANES																																
3000+16.87	3002+46.97	LT	230.10	14.00	1.0009		3224.30							104.49		59.71		59.11		14.93					17.42		32.35					
3002+46.97	3002+88.88	LT	41.91	16.00	1.0010		671.23							21.75		12.43		12.31		3.11					3.63		6.74					
3002+88.88	3004+13.88	LT	125.00	16.00	1.0108		2021.60							65.51		37.44		37.06		9.36					10.92		20.28					
3004+13.88	3007+82.91	LT	369.03	16.00	1.0164		6001.31							194.49		111.14		110.02		27.78					32.41		60.19					
3007+82.91	3009+00.00	LT	117.09	16.00			1873.44							60.71		34.69		34.35		8.67					10.12		18.79					
FULL DEPTH SHOULDER																																
3004+35.94	3007+82.91	LT	346.97	4.00	1.0369	1.0410	1439.09		120.40	180.60				53.47		35.57		28.96				39.97				7.77						
3007+82.91	3008+75.00	LT	92.09	4.00			368.36		30.70	46.05				13.68		9.10		7.41				10.23				1.99						
3008+75.00	3009+00.00	LT	25.00	3.54			88.50		8.33	12.50				3.34		2.26		1.80				2.46				0.48						
TOTALS CARRIED TO PAVEMENT SUBSUMMARY													610	1178	359	703	343	659	12	55	117	312	100	190	139	189	50	94				

PAVEMENT CALCULATIONS

FRA - 70 / 71 - 12.68 / 14.86

STATION		SIDE	LENGTH (L) FT	AVERAGE WIDTH (W) FT	CURVE CORRECTION RATIO	CURB CURVE CORRECTION RATIO	SURFACE AREA (A=L*W) SF	CADD AREA SF	AREA FOR 4" EXTENSION SF	AREA FOR 6" EXTENSION SF	AREA FOR 20" EXTENSION SF	AREA FOR 28" EXTENSION SF	302		304		304		407		442		442		442		CALCULATED CIC	CHECKED CIVIL															
FROM	TO												01/IMS/PV CY	02/NHS/PV CY	01/IMS/PV CY	02/NHS/PV CY	01/IMS/PV CY	02/NHS/PV CY	01/IMS/PV CY	02/NHS/PV CY	01/IMS/PV CY	02/NHS/PV CY	01/IMS/PV CY	02/NHS/PV CY	01/IMS/PV CY	02/NHS/PV CY			01/IMS/PV CY	02/NHS/PV CY	01/IMS/PV CY	02/NHS/PV CY	01/IMS/PV CY	02/NHS/PV CY	01/IMS/PV CY	02/NHS/PV CY							
RAMP C3																																											
FULL DEPTH SHOULDER CONT'D																																											
3000+16.87	3002+88.88	RT	272.01	10.00	0.9993	0.9987	2718.20						88.09	50.34					49.83				12.58	14.68																			
3002+88.88	3003+50.00	RT	61.12	10.00	0.9932	0.9865	607.04						19.67	11.24					11.13				2.81	3.28																			
3003+50.00	3004+13.88	RT	63.88	10.00	0.9932	0.9865	634.46	21.01	31.51	105.03			26.69	15.83					14.58				2.94	4.16																			
3004+13.88	3004+35.94	RT	22.06	10.00	0.9897	0.9795	218.33	7.20	10.80	36.01			9.18	5.44					5.01				1.01	1.43																			
3004+35.94	3005+35.94	RT	100.00	8.00	0.9918	0.9836	793.44	32.79	49.18				27.57	17.12					15.25				3.67	4.29																			
3005+35.94	3007+82.91	RT	246.97	6.00	0.9938	0.9877	1472.63		81.31	121.97			52.34	33.29					28.74				6.82	7.95																			
3007+82.91	3008+00.00	RT	17.09	6.00			102.54	5.70	8.55				3.65	2.32					2.00				0.47	0.55																			
3008+00.00	3009+00.00	RT	100.00	7.86			786.00	33.33	50.00				27.36	17.02					15.12				3.64	4.25																			
RAMP C5																																											
FULL DEPTH LANES																																											
5024+38.21	5028+92.28	LT	454.07	6.00	1.0006		2726.05						88.34	50.48					49.98				12.62	14.72	27.34																		
5028+92.28	5030+35.26	LT	142.98	12.00	1.0012		1717.82						55.67	31.81					31.49				7.95	9.28	17.23																		
5030+35.26	5031+34.48	LT	99.22	13.00	1.0013		1291.54						41.86	23.92					23.68				5.98	6.98	12.96																		
5032+67.33	5034+97.48	LT	230.15	12.00	1.0012		2765.11						89.61	51.21					50.69				12.80	14.94	27.74																		
5034+97.48	5036+30.43	LT	132.95	12.00			1595.40						51.70	29.54					29.25				7.39	8.62	16.01																		
5036+30.43	5039+05.43	LT	275.00	14.00			3850.00						124.77	71.30					70.58				17.82	20.79	38.61																		
5039+05.43	5041+17.78	LT	212.35	16.00			3397.60						110.11	62.92					62.29				15.73	18.35	34.08																		
5041+17.78	5041+57.96	LT	40.18	16.00	0.9965		640.63						20.76	11.86					11.74				2.97	3.46	6.43																		
5062+27.15	5069+27.87	LT	700.72	24.00	1.0042		16887.91						547.29	312.74					309.61				78.18	91.22	169.40																		
5069+27.87	5069+99.95	LT	72.08	12.00	1.0021		866.78						28.09	16.05					15.89				4.01	4.68	8.69																		
5069+99.95	5071+16.53	LT	116.58	12.00	1.0016		1401.20						45.41	25.95					25.89				6.49	7.57	14.06																		
5074+42.45	5076+08.84	LT	166.39	12.00	1.0016		1999.87						64.81	37.03					36.86				9.26	10.80	20.06																		
5076+08.84	5079+12.85	LT	304.01	12.00			3648.12						118.23	67.56					66.88				16.89	19.70	36.59																		
5079+12.85	5080+13.82	LT	100.97	12.00	1.0031		1215.40						39.39	22.51					22.28				5.63	6.56	12.19																		
5081+70.91	5081+98.63	LT	27.72	12.00	1.0031		333.67						10.81	6.18					6.12				1.54	1.80	3.34																		
5081+98.63	5083+86.06	LT	187.43	12.00			2249.16						72.89	41.65					41.23				10.41	12.15	22.56																		
5083+86.06	5084+20.00	LT	33.94	16.07			545.42						17.68	10.10					10.00				2.53	2.95	5.48																		
5084+20.00	5084+36.06	LT	16.06	22.07	1.0202		361.60						11.72	6.70					6.63				1.67	1.95	3.62																		
5084+36.06	5084+56.78	LT	20.72	24.00	1.0220		508.22						16.47	9.41					9.32				2.35	2.75	5.10																		
5024+38.21	5031+34.48	RT	696.27	12.00	0.9988		8345.21						270.45	154.54					153.00				38.64	45.07	83.71																		
5032+67.33	5034+83.90	RT	216.57	12.00	0.9988		2595.72						84.12	48.07					47.59				12.02	14.02	26.04																		
5062+06.35	5069+99.95	RT	793.60	12.00	0.9979		9503.20						307.97	175.99					174.23				44.00	51.33	95.33																		
5069+99.95	5071+16.53	RT	116.58	12.00	0.9984		1396.72						45.26	25.87					25.61				6.47	7.54	14.01																		
5074+42.45	5076+08.84	RT	166.39	12.00	0.9984		1993.49						64.60	36.92					36.55				9.23	10.77	20.00																		
5076+08.84	5079+12.85	RT	304.01	12.00			3648.12						118.23	67.56					66.88				16.89	19.70	36.59																		
5079+12.85	5080+13.82	RT	100.97	12.00	0.9969		1207.88						39.14	22.37					22.14				5.59	6.52	12.11																		
5081+70.91	5081+98.63	RT	27.72	12.00	0.9969		331.61						10.75	6.14					6.08				1.54	1.79	3.33																		
5081+98.63	5084+20.00	RT	221.37	12.00			2656.44						86.09	49.19					48.70				12.30	14.35	26.65																		
5084+20.00	5084+56.78	RT	36.78	12.00	0.9890		436.51						14.15	8.08					8.00				2.02	2.36	4.38																		
TOTALS CARRIED TO PAVEMENT SUBSUMMARY													255	2597	153	1484									124	142	1469			66	34	306	41	433									

STATION		SIDE	LENGTH (L) FT	AVERAGE WIDTH (W) FT	CURVE CORRECTION RATIO	CURB CURVE CORRECTION RATIO	SURFACE AREA (A=L*W) SF	CADD AREA SF	AREA FOR 4" EXTENSION SF	AREA FOR 6" EXTENSION SF	AREA FOR 20" EXTENSION SF	AREA FOR 28" EXTENSION SF	302 10.5" ASPHALT CONCRETE BASE, P664-22 CY		304 6" AGGREGATE BASE CY		407 NON-TRACKING TACK COAT (0.065 GAL/SY - 3 APPLICATION) GAL		442 1 1/2" ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (447), AS PER PLAN CY		442 1 1/2" ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (446), AS PER PLAN, P676- 22M CY		442 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, 19 MM, TYPE A (446) CY		609	609	CALCULATED C/C	CHECKED C/W															
FROM	TO												01/IMS/PV	02/NHS/PV	01/IMS/PV	02/NHS/PV	01/IMS/PV	02/NHS/PV	01/IMS/PV	02/NHS/PV	01/IMS/PV	02/NHS/PV	01/IMS/PV	02/NHS/PV	01/IMS/PV	02/NHS/PV	01/IMS/PV	02/NHS/PV	01/IMS/PV	02/NHS/PV	02/NHS/PV	02/NHS/PV											
RAMP C5																																											
FULL DEPTH SHOULDER																																											
5032+65.73	5034+97.48	LT	231.75	10.00	1.0035	1.0045	2325.61						387.99	75.37	50.25		42.64					10.77	12.56			232.79																	
5034+97.48	5036+25.00	LT	127.52	10.00			1275.20						212.53	41.33	27.55		23.38					5.90	6.89			127.52																	
5036+25.00	5036+30.43	LT	5.43	10.00			54.30	1.81	2.71					1.86	1.14		1.03					0.25	0.29																				
5036+30.43	5039+05.43	LT	275.00	8.00			2200.00	91.67	137.50					76.50	47.53		42.29					10.19	11.88																				
5039+05.43	5041+17.78	LT	212.35	6.00			1274.10	70.78	106.18					45.30	28.84		24.87					5.90	6.88																				
5041+17.78	5041+34.21	LT	16.43	6.00	0.9935	0.9921	97.94		5.43	8.15				3.48	2.22		1.91					0.45	0.53																				
5041+34.21	5041+57.96	LT	23.75	6.00	0.9935	0.9921	141.57							4.59	3.35		2.60					0.66	0.76			23.56																	
5062+50.38	5062+68.89	LT	18.51																																								
5062+68.89	5069+27.87	LT	658.98	10.00	1.0101	1.0119	6656.36	227.95						228.32	139.73		126.79					30.82	35.95					18.51															
5074+89.25	5076+08.84	LT	119.59	4.00	1.0037	1.0042	480.13		40.03	60.05				17.83	11.86		9.66					2.22	2.59																				
5076+08.84	5078+81.85	LT	273.01	4.00			1092.04		91.00	136.50				40.55	26.96		21.97					5.06	5.90																				
5078+81.85	5079+00.00	LT	18.15	4.00			72.60							2.35	1.90		1.33					0.34	0.39			18.15																	
5079+00.00	5079+12.85	LT	12.85	4.00			51.40							2.36	1.35		1.34					0.24	0.39																				
5079+12.85	5080+10.75	LT	97.90	4.00	1.0073	1.0084	394.46							18.12	10.35		10.25					1.83	3.02																				
5081+66.63	5081+98.63	LT	32.00	4.00	1.0073	1.0084	128.93							4.18	3.38		2.36					0.60	0.70					32.27															
5081+98.63	5084+20.00	LT	221.37	4.00			885.48							28.70	23.23		16.23					4.10	4.78					221.37															
5084+20.00	5084+36.06	LT	16.06	4.00	1.0331	1.0368	66.37							2.15	1.74		1.22					0.31	0.36					16.65															
5084+36.06	5084+56.78	LT	20.72	4.00	1.0476	1.0513	86.83							2.81	1.61		1.59					0.40	0.47																				
5024+38.21	5025+38.21	RT	100.00	10.95	0.9964	0.9953	1091.06		33.18	49.77				37.24	22.66		20.71					5.05	5.89																				
5025+38.21	5030+50.04	RT	511.83	10.00	0.9965	0.9955	5100.39		169.84	254.76				174.92	107.03		97.14					23.61	27.55																				
5030+50.04	5031+00.04	RT	50.00	14.00	0.9961	0.9947	697.27		16.58	24.87				23.54	14.14		13.14					3.23	3.77																				
5031+00.04	5031+23.25	RT	23.21	17.45	0.9958	0.9940	403.31							13.07	8.18		7.39					1.87	2.18			23.07																	
5031+23.25	5031+35.85	RT	12.60	16.61	0.9959	0.9942	208.43							6.75	3.86		3.82					0.96	1.13																				
5032+69.04	5033+86.76	RT	117.72	10.91	0.9964	0.9953	1279.70							41.47	23.70		23.46					5.92	6.91																				
5033+86.76	5034+83.94	RT	97.18	10.00	0.9965	0.9955	968.40							31.38	17.93		17.75					4.48	5.23																				
5039+05.43	5041+17.78	RT	212.35	6.00			1274.10		70.78	106.18				45.30	28.84		24.87					5.90	6.88																				
5041+17.78	5041+32.96	RT	15.18	6.00	1.0013	1.0026	91.20		5.07	7.61				3.24	2.06		1.78					0.42	0.49																				
5041+32.96	5041+57.96	RT	25.00	6.00	1.0013	1.0026	150.20							4.87	3.56		2.75					0.70	0.81			25.07																	
5061+87.48	5062+01.26	RT	13.78					78.03						2.53	1.87		1.43					0.36	0.42					13.78															
5062+01.26	5062+81.58	RT	80.32	10.00	0.9941	0.9923	798.46		26.57	39.85				27.38	16.75		15.21					3.70	4.31																				
5062+81.58	5063+31.58	RT	50.00	11.00	0.9939	0.9920	546.65		16.53	24.80				18.65	11.35		10.38					2.53	2.95																				
5063+31.58	5063+49.88	RT	18.30	12.00	0.9937	0.9916	218.22							7.07	4.60		4.00					1.01	1.18			18.15																	
5063+49.88	5063+64.00	RT	14.12	12.00	0.9937	0.9916	168.37		4.67	7.00				6.70	4.03		3.74					0.78	1.07																				
5063+64.00	5066+50.00	RT	286.00	12.00	0.9937	0.9916	3410.38							110.52	63.16		62.52					15.79	18.42																				
5066+50.00	5066+64.12	RT	14.12	12.00	0.9937	0.9916	168.37		4.67	7.00				6.70	4.03		3.74					0.78	1.07																				
5066+64.12	5067+14.12	RT	50.00	11.00	0.9939	0.9920	546.65		16.53	24.80				18.65	11.35		10.38					2.53	2.95																				
5067+14.12	5069+99.95	RT	285.83	10.00	0.9941	0.9923	2841.44		94.54	141.81				97.45	59.62		54.12					13.15	15.35																				
5069+99.95	5070+95.32	RT	95.37	10.00	0.9955	0.9942	949.41		31.61	47.41				32.56	19.92		18.08					4.40	5.13																				
5070+95.32	5071+25.49	RT	30.17					263.63						8.54	5.81		4.83					1.22	1.42			30.17																	
5074+49.39	5076+08.84	RT	159.45	10.00	0.9955	0.9942	1587.32							51.44	29.39		29.10					7.35	8.57																				
5076+08.84	5079+12.85	RT	304.01	10.00			3040.10							98.52	56.30		55.74					14.07	16.42																				
5079+12.85	5080+17.60	RT	104.75	10.00	0.9911	0.9885	1038.18							33.64	19.23		19.03					4.81	5.61																				
TOTALS CARRIED TO PAVEMENT SUBSUMMARY																																											
														1506		928		841						206		242						531		271									

PAVEMENT CALCULATIONS

FRA - 70 / 71 - 12.68

STATION	SIDE	LENGTH (L) FT	AVERAGE WIDTH (W) FT	CURVE CORRECTION RATIO	CURB CORRECTION RATIO	SURFACE AREA (A=L*W) SF	CADD AREA SF	AREA FOR 4" EXTENSION SF	AREA FOR 6" EXTENSION SF	AREA FOR 20" EXTENSION SF	AREA FOR 28" EXTENSION SF	302 10.5" ASPHALT CONCRETE BASE, PG64-22 CY		304 6" AGGREGATE BASE CY		407 NON-TRACKING TACK COAT (0.065 GAL/SY - 3 APPLICATION) GAL		442 1 1/2" ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (447), AS PER PLAN CY		442 1 1/2" ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (446), AS PER PLAN, PG76- 22M CY		442 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, 19 MM, TYPE A (446) CY		442 ANTI-SEGREGATION EQUIPMENT CY		609 CURB, TYPE 4-C FT															
												01/IMS/PV	02/NHS/PV	01/IMS/PV	02/NHS/PV	01/IMS/PV	02/NHS/PV	01/IMS/PV	02/NHS/PV	01/IMS/PV	02/NHS/PV	01/IMS/PV	02/NHS/PV	01/IMS/PV	02/NHS/PV	01/IMS/PV	02/NHS/PV	01/IMS/PV	02/NHS/PV	01/IMS/PV	02/NHS/PV										
RAMP C5																																									
FULL DEPTH SHOULDER CONTD.																																									
5081+76.21	5081+98.63	RT	22.42	10.00	0.9911	0.9885	222.20						7.20	4.11	4.07					1.03	1.20																				
5081+98.63	5084+20.00	RT	221.37	10.00			2213.70						71.74	40.99	40.58					10.25	11.96																				
5084+20.00	5084+56.78	RT	36.78	10.00	0.9688	0.9597	356.32						11.55	6.60	6.53					1.65	1.92																				
RAMP C6																																									
FULL DEPTH LANES																																									
6000+00.00	6001+83.07	LT	183.07	12.00			2196.84						71.19	40.68	40.28					10.17	11.87					22.04															
6005+03.02	6006+78.48	LT	175.46	12.00	1.0022		2110.15						68.38	39.08	38.69					9.77	11.40					21.17															
6006+78.48	6010+12.24	LT	333.76	12.00	1.0022		4013.93						130.08	74.33	73.59			18.58		21.68	40.26					40.26															
6010+12.24	6010+81.51	LT	69.27	12.00	1.0016		832.57						26.98	15.42	15.26			3.85		4.50	8.35					8.35															
6010+81.51		RT						17.50					0.57	0.32	0.32			0.08		0.09	0.17					0.17															
FULL DEPTH SHOULDER																																									
6000+00.00	6000+50.00	LT	50.00	9.00			450.00	16.67	25.00				15.53	9.57	8.61					2.08	2.43																				
6000+50.00	6001+51.38	LT	101.38	8.00			811.04	33.79	50.69				28.20	17.52	15.59					3.75	4.38																				
6001+51.38	6001+80.33	LT	28.95	8.00			231.60	9.65	14.47				8.05	5.00	4.45					1.07	1.25																				
6004+99.82	6005+66.44	LT	66.62	8.00	1.0059	1.0074	536.10			111.85			17.37	12.00	9.83					2.48	2.90					67.11															
6005+66.44	6006+03.73	LT	37.29	8.00	1.0059	1.0074	300.08			62.61			9.72	6.72	5.50					1.39	1.62					37.57															
6006+03.73	6006+78.48	LT	74.75	8.00	1.0059	1.0074	601.53						19.49	11.14	11.03					2.78	3.25																				
6006+78.48	6007+78.48	LT	100.00	6.00	1.0055	1.0066	603.30						19.55	11.17	11.06			2.79		3.26																					
6007+78.48	6009+10.70	LT	132.22	4.00	1.0052	1.0059	531.63						17.23	9.85	9.75			2.46		2.87																					
6005+65.11	6005+66.44	RT	1.33	8.00			10.64	0.44	0.66				0.37	0.23	0.20					0.05	0.06																				
6005+66.44	6006+78.48	RT	112.04	8.00	0.9985	0.9970	894.98	37.23	55.85				31.12	19.33	17.20					4.14	4.83																				
6006+78.48	6009+00.00	RT	221.52	8.00	0.9985	0.9970	1769.50	73.62	110.43				61.52	38.22	34.02			8.19		9.56																					
6009+00.00	6010+12.24	RT	112.24	10.23	0.9981	0.9962	1146.03	37.27	55.91				39.25	23.98	21.81			5.31		6.19																					
6010+12.24	6010+36.04	RT	23.80	12.92	0.9983	0.9966	306.97	7.91	11.86				10.40	6.27	5.80			1.42		1.66																					
6010+36.04	6010+81.51	RT	45.47	13.61	0.9982	0.9964	617.73	15.10	22.65				20.88	12.56	11.65			2.86		3.34																					
6010+81.51		RT	8.32					63.38	2.77	4.16			2.21	1.38	1.22			0.29		0.34																					
GORE AREAS																																									
EB I.R. 70/ RAMP C5																																									
5028+92.28	5031+36.48	LT					1800.55						58.35	33.34	33.01			8.34		9.73																					
RAMP C5/ RAMP C3																																									
3002+46.97	3004+35.94	LT					1000.90						32.44	18.54	18.35					5.41																					
NB S.R. 315/ NB I.R. 71																																									
254+00.38	258+66.99	LT					3796.96						61.52	61.52	35.16	35.16	34.81	34.81	8.79	8.79	10.25	10.25																			
NB I.R. 71/ RAMP A5																																									
5004+66.41	5006+94.28	LT					2244.83						72.75	41.57	41.16			10.39		12.12																					
RAMP C5/ RAMP C6																																									
5069+27.87	5071+18.62	LT					208.55						6.76	3.86	3.82			0.97		1.13																					
5074+40.30	5074+89.25	LT					1221.47						39.58	22.62	22.39			5.65		6.60																					
RAMP C6/ EB I.R. 70																																									
6009+10.70	6010+81.51	LT					1852.00						36.01	24.01	20.58	13.72	20.37	13.58	5.14	3.43	6.00	4.00																			
TOTALS CARRIED TO PAVEMENT SUBSUMMARY												130	952	75	557	74	536	19	84	51	22	157	92	105																	

PAVEMENT CALCULATIONS

FRA - 70 / 71 - 12.68 / 14.86

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CALCULATED
CIC
CHECKED
CIVIL

STATION		SIDE	LENGTH (L) FT	AVERAGE WIDTH (W) FT	CURVE CORRECTION RATIO	CURB CURVE CORRECTION RATIO	SURFACE AREA (A=L*W) SF	CADD AREA SF	209		441		609		CALCULATED CIC		CHECKED CIVIL	
									FROM	TO	LINEAR GRADING, AS PER PLAN CY	2' ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, (44B), (UNDER GUARDRAIL), AS PER PLAN CY	4" CONCRETE TRAFFIC ISLAND SY					
FROM TO									STA	CY	SY							
CONCRETE TRAFFIC ISLAND																		
EASTBOUND I.R. 70																		
4170+05.70	4170+85.14	RT			CADD		756.66					50.44	33.63					
4181+18.33	4191+57.05	RT			CADD		15666.72					1044.45	696.30					
4192+72.36	4197+44.64	RT			CADD		7259.66					483.98	322.65					
RAMP C6																		
6004+96.45	6005+66.44	LT	69.99	5.00	1.0085	1.0094	352.92					39.21						
6005+66.44	6006+03.73	LT	37.29	5.00	1.0085	1.0094	188.03					20.89						
LIVINGSTON AVE																		
200+04.24	200+41.44	LT	37.20	5.50			204.60					22.73						
200+41.44	200+81.63	LT			CADD		308.99					34.33						
200+81.63	200+88.64	LT	7.01	6.00			42.06					4.67						
200+88.64	202+10.14	LT	121.50	2.50			303.75					33.75						
202+10.14	202+17.15	LT	7.01	6.00			42.06					4.67						
202+17.15	202+45.73	LT	28.58	7.81			223.21					24.80						
PAVING UNDER GUARDRAIL																		
EASTBOUND I.R. 70																		
4157+88.17	4158+18.16	RT	29.99	4.50			134.95		0.18	0.12	0.50	0.33						
4158+18.16	4159+84.50	RT	166.34	5.00			831.70		1.00	0.67	3.08	2.05						
4159+84.50	4161+44.10	RT	159.60	5.00	0.9804		782.36		0.96	0.64	2.90	1.93						
4161+44.10	4163+70.78	RT	226.68	5.00	0.9808		1111.64		1.36	0.91	4.12	2.74						
4163+70.78	4164+98.77	RT	127.99	5.00	0.9806		627.53		0.77	0.51	2.32	1.55						
4164+98.77	4165+91.66	RT	92.89	5.00			464.45		0.56	0.37	1.72	1.15						
4165+91.66	4166+41.70	RT	50.04	4.50			225.18		0.30	0.20	0.83	0.56						
NORTHBOUND I.R. 71																		
260+73.65	264+34.96	LT	361.31	5.00	1.0080		1821.00		1.81	1.81	5.62	5.62						
264+34.96	266+34.96	LT	200.00	5.00	1.0279		1027.90		1.00	1.00	3.17	3.17						
266+34.96	271+02.18	LT	467.22	5.00	1.0479		2448.00		2.34	2.34	7.56	7.56						
271+02.18	271+82.90	LT	80.72	5.00	1.0027		404.69		0.40	0.40	1.25	1.25						
271+82.90	272+01.00	LT	18.10	5.00	1.0027		90.74		0.09	0.09	0.28	0.28						
251+98.00	252+72.43	RT	74.43	2.00			148.86		0.37	0.37	0.46	0.46						
265+51.85	265+60.00	RT	8.15	6.76	0.9838		54.20		0.04	0.04	0.17	0.17						
265+60.00	266+10.00	RT	50.00	4.59	0.9839		225.81		0.25	0.25	0.70	0.70						
266+10.00	266+34.96	RT	24.96	2.50	0.9840		61.40		0.12	0.12	0.19	0.19						
266+34.96	269+78.10	RT	343.14	2.50	0.9690		831.26		1.72	1.72	2.57	2.57						
269+78.10	270+80.00	RT	101.90	2.50	0.9725		247.74		0.51	0.51	0.76	0.76						
RAMP A5																		
5008+46.34	5012+18.10	LT	371.76	5.00			1858.80			3.72		11.47						
5012+18.10	5015+07.72	LT	289.62	5.00	1.0366		1501.10			2.90		9.27						
5009+36.52	5009+60.85	RT	33.46			CADD	163.69			0.33		1.01						
5009+60.85	5012+18.10	RT	257.25	3.00			771.75			2.57		4.76						
5012+18.10	5013+90.00	RT	171.90	3.00	0.9812		506.00			1.72		3.12						
5013+90.00	5014+34.17	RT	44.17	2.50	0.9817		108.40			0.44		0.67						
TOTALS CARRIED TO PAVEMENT SUBSUMMARY									14	24	39	64	1764	1053				

PAVEMENT CALCULATIONS
FRA - 70 / 71 - 12.68 / 14.86

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STATION		SIDE	LENGTH (L) FT	AVERAGE WIDTH (W) FT	CURVE CORRECTION RATIO	CURB CURVE CORRECTION RATIO	SURFACE AREA (A=L*W) SF	CADD AREA SF	209		441																		CALCULATED CIC	CHECKED CIVIL					
FROM	TO								LINEAR GRADING, AS PER PLAN		2' ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, (44B), (UNDER GUARDRAIL), AS PER PLAN																								
									STA		CY																		PAVEMENT CALCULATIONS						
									01/IMS/PV	02/NHS/PV	01/IMS/PV	02/NHS/PV																	FRA - 70 / 71 - 12.68 / 14.86						
PAVING UNDER GUARDRAIL																																			
RAMP C3																																			
3004+51.96	3007+82.91	LT	330.95	5.00	1.0461		1731.03		3.31		10.69																								
3007+82.91	3008+75.00	LT	92.09	5.00			460.45		0.92		2.84																								
3008+75.00	3009+00.00	LT	25.00	5.00			125.00		0.25		0.77																								
3004+35.94	3005+35.94	RT	100.00	5.00	0.9785		489.25		1.00		3.02																								
3005+35.94	3007+82.91	RT	246.97	5.00	0.9826		1213.36		2.47		7.49																								
3007+82.91	3008+00.00	RT	17.09	5.00			85.45		0.17		0.53																								
3008+00.00	3009+00.00	RT	100.00	5.00			500.00		1.00		3.09																								
RAMP C5																																			
5040+39.70	5041+17.78	LT	78.08	5.00			390.40			0.78		2.41																							
5041+17.78	5041+34.21	LT	16.43	5.00	0.9911		81.42			0.16		0.50																							
5041+34.21	5041+67.53	LT	33.32	4.50	0.9912		148.62			0.33		0.92																							
5062+42.40	5062+68.89	LT	26.49	4.50	1.0127		120.72			0.26		0.75																							
5062+68.89	5069+27.87	LT	658.98	5.00	1.0127		3336.75			6.59		20.60																							
5074+89.25	5076+08.84	LT	119.59	5.00	1.0048	1.0045	600.82			1.20		3.71																							
5076+08.84	5079+00.00	LT	291.16	5.00			1455.80			2.91		8.99																							
5024+38.21	5025+38.21	RT	100.00	5.00	0.9948		497.40			1.00		3.07																							
5025+38.21	5030+50.04	RT	511.83	5.00	0.9950		2546.35			5.12		15.72																							
5030+50.04	5031+00.04	RT	50.00	5.00	0.9942		248.55			0.50		1.53																							
5031+00.04	5031+23.25	RT	23.21	4.50	0.9934		103.76			0.23		0.64																							
5039+05.43	5039+23.72	RT	18.29					142.71		0.18		0.88																							
5039+23.72	5041+17.78	RT	194.06	5.00			970.30			1.94		5.99																							
5041+17.78	5041+32.96	RT	15.18	5.00	1.0037		76.18			0.15		0.47																							
5041+32.96	5041+65.88	RT	32.92	4.50	1.0036		148.67			0.33		0.92																							
5061+86.88	5062+01.26	RT	14.38	4.50	0.9915		64.16			0.14		0.40																							
5062+01.26	5063+64.00	RT	162.74	5.00	0.9914		806.70			1.63		4.98																							
5066+50.00	5069+99.95	RT	349.95	5.00	0.9914	0.9941	1734.70			3.50		10.71																							
5069+99.95	5070+95.32	RT	95.37	5.00	0.9936	0.9955	473.80			0.95		2.92																							
5070+95.32	5071+25.49	RT	30.17	4.50	0.9937	0.9957	134.91			0.30		0.83																							
RAMP C6																																			
6000+00.00	6000+50.00	LT	50.00	5.00			250.00			0.50		1.54																							
6000+50.00	6001+51.38	LT	101.38	5.00			506.90			1.01		3.13																							
6001+51.38	6001+81.30	LT	29.92	4.50			134.64			0.30		0.83																							
6005+64.29	6005+66.44	RT	2.15	5.00			10.75			0.02		0.07																							
6005+66.44	6009+00.00	RT	333.56	5.00	0.9961		1661.30			3.34		10.25																							
6009+00.00	6010+12.24	RT	112.24	5.00	0.9953		558.56			1.12		3.45																							
6010+12.24	6010+36.04	RT	23.80	5.00	0.9959		118.51			0.24		0.73																							
6010+36.04	6010+81.51	RT	45.47	5.00	0.9957		226.37			0.45		1.40																							
6010+81.51		RT	8.22					41.11		0.08		0.25																							
TOTALS CARRIED TO PAVEMENT SUBSUMMARY									10	36	29	109																							

STATION	SIDE	LENGTH (L) FT	AVERAGE WIDTH (W) FT	AREA FOR 6" EXTENSION SF	304		622		622		622		622		622		622		622		622		622		622		622		622		622		622																																			
					6" AGGREGATE BASE CY	CONCRETE BARRIER, SINGLE SLOPE, TYPE B FT	CONCRETE BARRIER, SINGLE SLOPE, TYPE C1 FT	CONCRETE BARRIER, SINGLE SLOPE, TYPE D FT	CONCRETE BARRIER, SINGLE SLOPE, TYPE D, AS PER PLAN FT	BARRIER MISC.: CONCRETE BARRIER, TYPE B80 FT	CONCRETE BARRIER, END ANCHORAGE, REINFORCED, TYPE B EACH	CONCRETE BARRIER, END ANCHORAGE, REINFORCED, TYPE C1, AS PER PLAN EACH	CONCRETE BARRIER, END ANCHORAGE, REINFORCED, TYPE D EACH	CONCRETE BARRIER, END ANCHORAGE, REINFORCED, TYPE D, AS PER PLAN EACH	CONCRETE BARRIER, END SECTION, TYPE D EACH	CONCRETE BARRIER, END SECTION, TYPE D, AS PER PLAN "A" EACH	CONCRETE BARRIER, END SECTION, TYPE D, AS PER PLAN "B" EACH	BARRIER TRANSITION EACH																																																		
FROM	TO				01/IMS/ PV	02/NHS/ PV	01/IMS/ PV	02/NHS/ PV	01/IMS/ PV	02/NHS/ PV	01/IMS/ PV	02/NHS/ PV	01/IMS/ PV	02/NHS/ PV	01/IMS/ PV	02/NHS/ PV	01/IMS/ PV	02/NHS/ PV	01/IMS/ PV	02/NHS/ PV	01/IMS/ PV	02/NHS/ PV	01/IMS/ PV	02/NHS/ PV	01/IMS/ PV	02/NHS/ PV	01/IMS/ PV	02/NHS/ PV	01/IMS/ PV	02/NHS/ PV	01/IMS/ PV	02/NHS/ PV																																				
BARRIER																																																																				
EASTBOUND I.R. 70																																																																				
124+78.14	126+97.69	LT	219.55				131.73	87.82																																																												
4170+02.21	4170+91.16	LT	88.95	3.85	44.47	4.30	2.87																																																													
4174+06.00	4175+52.07	LT	146.07	3.70	73.04	6.82	4.54																																																													
4181+17.93	4187+89.40	LT	671.47																																																																	
4177+34.85	4183+88.93	RT	654.08																																																																	
4191+57.05	4192+72.36	RT	115.31																																																																	
4197+44.64	4197+98.56	RT	53.92																																																																	
NORTHBOUND I.R. 71																																																																				
272+01.00	272+50.00	LT	49.00																																																																	
252+72.40	256+72.79	RT	400.39																																																																	
270+80.03	273+05.93	RT	225.90																																																																	
RAMP A5																																																																				
5014+34.17	5015+05.98	RT	71.81																																																																	
RAMP C3																																																																				
3003+50.00	3004+35.94	RT	85.94																																																																	
RAMP C5																																																																				
5079+00.00	5080+10.32	RT	110.32																																																																	
5063+49.88	5063+64.00	RT	14.00																																																																	
5066+50.00	5066+64.12	RT	14.00																																																																	
DEDUCTIONS																																																																				
OVERHEAD SIGN FOUNDATIONS			10.00																																																																	
MEDIAN INLETS			20.00																																																																	
LIGHT TOWER FOUNDATIONS/PULLBOX			8.00																																																																	
END ANCHORAGES			15.00																																																																	
END SECTIONS			14.00																																																																	
TRANSITION			20.00																																																																	
TOTALS CARRIED TO PAVEMENT SUBSUMMARY					12	8	70	47																																																												

CALCULATED
CIC

CHECKED
CWL

PAVEMENT CALCULATIONS

FRA - 70 / 71 - 12.68 / 14.86

12
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STATION	SIDE	LENGTH (L) FT	AVERAGE WIDTH (W) FT	CURVE CORRECTION RATIO	CURB CURVE CORRECTION RATIO	SURFACE AREA (A=L*W) SF	CADD AREA SF	6" EDGE EXTENSION SF	254		302		304		407		442		442		442					
									PAVEMENT PLANING, ASPHALT CONCRETE, 5" AVERAGE SY	10.5" ASPHALT CONCRETE BASE, PG64-22 CY	6" AGGREGATE BASE CY	NON-TRACKING TACK COAT (0.055 GAL/SY - 1 APPLICATION) (0.085 GAL/SY - 1 APPLICATION) GAL	1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, 19 MM, TYPE A (446) CY	ANTI-SEGREGATION EQUIPMENT CY	1 1/2" ASPHALT CONCRETE SURFACE COURSE 12.5 MM TYPE A (447), AS PER PLAN CY											
FROM	TO								01/IMS/PV	02/NHS/PV	01/IMS/PV	02/NHS/PV	01/IMS/PV	02/NHS/PV	01/IMS/PV	02/NHS/PV	01/IMS/PV	02/NHS/PV	01/IMS/PV	02/NHS/PV	01/IMS/PV	02/NHS/PV				
MOMENT SLAB DEDUCTIONS																										
RAMP C3																										
3000+16.87	3002+88.88	RT	272.01	8.00	0.9999	0.9997	2175.86																			
3002+88.88	3003+50.00	RT	61.12	8.00	0.9945	0.9891	486.27																			
RAMP C5																										
5079+00.00	5079+12.85	LT	12.85	6.00			77.10																			
5079+12.85	5080+12.79	LT	99.94	6.00	1.0068	1.0084	603.72																			
5084+36.06	5084+56.78	LT	20.72	6.00	1.0458	1.0513	130.01																			
5031+13.25	5031+37.85	RT	24.60	6.00	0.9947	0.9941	146.82																			
5032+84.43	5033+86.76	RT	102.33	6.00	0.9959	0.9953	611.46																			
5033+86.76	5034+83.94	RT	97.18	6.00	0.9961	0.9955	580.81																			
5063+64.00	5066+50.00	RT	286.00	6.00	0.9934	0.9937	1704.67																			
5074+47.22	5076+08.84	RT	161.62	8.00	0.9953	0.9948	1286.88																			
5076+08.84	5079+12.85	RT	304.01	8.00			2432.08																			
5079+12.85	5080+19.66	RT	106.81	8.00	0.9906	0.9895	846.45																			
5081+83.61	5081+98.63	RT	15.02	6.00	0.9901	0.9885	89.23																			
5081+98.63	5084+20.00	RT	221.37	6.00			1328.22																			
5084+20.00	5084+56.78	RT	36.78	6.00	0.9652	0.9597	213.00																			
EASTBOUND I.R. 70																										
RESURFACING																										
4186+25.00	4188+87.47	LT/RT	262.47	28.25			7414.78																			
4188+87.47	4190+40.00	LT/RT	152.53	36.00			5491.08																			
TOTALS CARRIED TO PAVEMENT SUBSUMMARY									861	574	-2	-59	-50	-187	121	81	42	28					78	52	36	24

PAVEMENT CALCULATIONS

FRA - 70 / 71 - 12.68 / 14.86

CALCULATED
CIC
CHECKED
CIVIL

13
18

STATION		SIDE	LENGTH (L) FT	AVERAGE WIDTH (W) FT	CURVE CORRECTION RATIO	CURB CURVE CORRECTION RATIO	SURFACE AREA (A=L*W) SF	CADD AREA SF	AREA FOR 6" EXTENSION SF	AREA FOR 12" EXTENSION SF	AREA FOR 18" EXTENSION SF	304 6" AGGREGATE BASE CY		305 9" CONCRETE BASE, CLASS QC 1P SY		407 NON-TRACKING TACK COAT (0.085 GAL/SY - 1 APPLICATION) GAL		407 TACK COAT, 702.13 (0.070 GAL/SY - 1 APPLICATION) GAL		441 1 1/4" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), AS PER PLAN, PG64-22 CY		441 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (448) CY		452 12" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P SY	609 CURB, MISC.; COLUMBIUS 18" CONCRETE CURB FT	609 CURB, MISC.; COLUMBIUS 18" GRANITE CURB FT	609 CURB, MISC.; COLUMBIUS 18" CONCRETE CURB FT		SPECIAL PRESSURE RELIEF JOINT, TYPE A FT	CALCULATED C/C	CHECKED C/W
FROM	TO											FT	FT																		
LIVINGSTON AVE																															
FULL DEPTH																															
200+04.62	200+28.61	LT	23.99	3.75		89.96				23.99		2.11		10.00		0.55		0.70		0.35		0.49			23.99						
200+28.61	200+41.49	LT	12.88	8.52	0.9782	0.9564	107.35			12.32		2.22		11.93		0.66		0.83		0.41		0.58			12.32						
200+41.49	200+81.85	LT	40.36	10.00	0.9744	0.9488	393.27			38.29		7.99		43.70		2.40		3.06		1.52		2.12			38.29						
200+81.85	200+88.85	LT	7.00	13.50			94.50			7.00		1.88		10.50		0.58		1.84		0.36		0.51			7.00						
200+88.85	202+09.96	LT	121.11	17.00			2058.87			121.11		40.37		228.76		12.58		16.01		7.94		11.12			121.11						
202+09.96	202+16.96	LT	7.00	13.50			94.50			7.00		1.88		10.50		0.58		0.74		0.36		0.51			7.00						
202+16.96	202+44.29	LT	27.33	10.98	0.9808	0.9617	294.32			26.28		5.94		32.70		1.80		2.29		1.14		1.59			26.28						
202+44.29	202+45.37	LT	1.08	11.98			12.94			1.08		0.26		1.44		0.08		0.10		0.05		0.07			1.08						
203+66.42	204+02.12	LT	38.33							38.33		7.28		39.43		2.17		2.76		1.64		1.92			38.33						
204+02.12	207+31.89	LT	329.77	23.00			7584.71			329.77																					
207+31.89	207+47.00	LT	15.11	14.82			223.93			15.11				4.43				1.37		1.74		1.21									
200+04.62	200+28.61	RT	23.99	11.00			263.89			35.99		5.55		29.32		1.61		2.05		1.02		1.43			23.99						
200+28.61	200+81.85	RT	53.24	11.00	1.0282	1.0563	602.16			84.36		12.71		66.91		3.68		4.68		2.32		3.25									
200+81.85	201+01.09	RT	19.24	10.00			192.40			28.86		4.10		21.38		1.18		1.50		0.74		1.04									
200+28.61	201+01.09	RT	77.16							781.95		115.74		16.62		86.88		4.78		6.08		3.62			77.16						
201+01.09	202+16.99	RT	115.90	10.00			1159.00			173.85		24.68		128.78		7.08		9.01		4.47		6.26			115.90						
202+16.99	202+44.29	RT	27.30	11.40	1.0199	1.0398	317.41			42.58		6.67		35.27		1.94		2.47		1.22		1.71			28.39						
202+44.29	202+44.64	RT	0.35	12.80			4.48			0.52		0.09		0.50		0.03		0.03		0.02		0.02			0.35						
204+02.12	206+33.97	RT	231.85	16.00			3709.60			347.78																					
206+33.97	207+00.26	RT	66.29	19.50			1292.65			99.43				75.14		412.18				28.85		14.31			231.85						
207+00.26	207+74.00	RT	73.74	24.12			1778.61			110.61				25.78		143.63				10.05		4.99			66.29						
207+74.00														34.99		197.62				13.83		6.86			73.74						
FRONT ST																															
FULL DEPTH																															
147+75.00	147+87.46	LT	12.46	23.50			292.81			18.69		5.77		32.53		1.79		2.28		1.13		1.58			12.46						
147+87.46	148+19.22	LT	31.76	24.30			771.77			47.64		15.17		85.75		4.72		6.00		2.98		4.17			31.76						
148+19.22	148+21.47	LT	8.95					108.13		13.43		2.25		12.01		0.66		0.84		0.42		0.58			8.95						
148+21.47	148+25.58	LT	4.26					76.81		6.39		1.54													4.26						
148+25.58	148+26.61	LT	1.03					19.17		1.55				0.38								2.13			1.03						
151+39.35	151+40.35	LT	1.00	28.30			28.30			1.50				0.55										3.14		1.00					
151+40.35	151+44.35	LT	4.00	28.25			113.00			6.00		2.20												4.00		28.29					
151+44.35	152+50.00	LT	105.65	27.17			2870.51			158.47		56.09		318.95		17.54		22.33		11.07		15.50			105.65						
155+20.64	155+21.64	LT	1.00	26.95			26.95			1.50				0.53										2.99							
147+75.00	147+78.00	RT	3.00	22.79			68.37			4.50		1.35		7.60		0.42		0.53		0.26		0.37			3.00						
147+78.00	148+10.77	RT	32.77	22.75			745.52			49.16		14.72		82.84		4.56		5.80		2.88		4.03			32.77						
148+10.77	148+21.47	RT	5.20					182.64		7.80		3.53		20.29		1.12		1.42		0.70		0.99			5.20						
148+21.47	148+25.58	RT	4.00					96.67		6.00		1.90													4.00						
148+25.58	148+26.61	RT	1.03					24.76		1.55				0.49										2.75		1.03					
151+39.35	151+40.35	RT	1.00	26.60			26.60					1.00												2.96		1.00					
151+40.35	151+44.35	RT	4.00	26.60			106.40			2.00				2.01											4.00		26.60				
151+44.35	152+18.08	RT	73.73	26.54			1956.79			36.86				36.92		217.42		11.96		15.22		7.55			73.73						
151+40.35	152+18.08	RT	84.20	7.50			631.50			84.20				13.25		70.17		3.86		4.91		3.41			84.20						
152+18.08	152+35.63	RT	17.55	26.38			462.97			17.55				8.90		51.44		2.83		3.60		2.50			17.55						
152+35.63	152+47.66	RT	12.03	26.43			317.95			12.03				6.11		35.33		1.94		2.47		1.72			12.03						
152+47.66	152+50.00	RT	2.34	26.59			62.22			2.34				1.20		6.91		0.38		0.48		0.34			2.34						
155+20.64	155+21.64	RT	1.00	25.66			25.66			1.00				0.49										2.85							
148+48.20	148+61.92	LT/RT	36.30											20.67										117.95		36.30					
TOTALS CARRIED TO PAVEMENT SUBSUMMARY												334	290	1700	1622	94	90	119	114	60	57	83	79	135	662	306	717		99		
<table border="1" style="float: right;"> <tr> <td>PAVEMENT CALCULATIONS</td> <td>FRA - 70 / 71 - 12.68 / 14.86</td> </tr> <tr> <td></td> <td style="border: 2px solid black; border-radius: 50%; padding: 10px;"> <div style="text-align: center;">14 18</div> </td> </tr> </table>																												PAVEMENT CALCULATIONS	FRA - 70 / 71 - 12.68 / 14.86		<div style="text-align: center;">14 18</div>
PAVEMENT CALCULATIONS	FRA - 70 / 71 - 12.68 / 14.86																														
	<div style="text-align: center;">14 18</div>																														

STATION		SIDE	LENGTH (L) FT	AVERAGE WIDTH (W) FT	CURVE CORRECTION RATIO	CURB CURVE CORRECTION RATIO	SURFACE AREA (A=LxW) SF	CADD AREA SF	AREA FOR 12" EXTENSION SF	AREA FOR 36" EXTENSION SF	254	302	304			305			407			407			441			441			452	609	609	CALCULATED GCC	CHECKED CWL	
FROM	TO										PAVEMENT PLANING, ASPHALT CONCRETE, 1.25" AVERAGE SY	8" ASPHALT CONCRETE BASE PG64-22 CY	6" AGGREGATE BASE CY			9" CONCRETE BASE, CLASS QC 1P SY			NON-TRACKING TACK COAT (0.055 GAL/SY - 1 OR 2 APPLICATION) OR (0.085 GAL/SY - 1 APPLICATION) GAL			TACK COAT, 702.13 (0.070 GAL/SY - 1 APPLICATION) GAL			1 1/4" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), AS PER PLAN, PG64-22 CY			1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (448) CY			12" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P SY	CURB, MISC.: COLUMBUS 18" GRANITE CURB FT	CURB, MISC.: COMBINATION CURB AND GUTTER, TYPE SPECIAL FT			
											01/IMS/PV	01/IMS/PV	01/IMS/PV	09/MPO/OT	10/IMS/OT/COL	01/IMS/PV	09/MPO/OT	10/IMS/OT/COL	01/IMS/PV	09/MPO/OT	10/IMS/OT/COL	01/IMS/PV	09/MPO/OT	10/IMS/OT/COL	01/IMS/PV	09/MPO/OT	10/IMS/OT/COL	01/IMS/PV	09/MPO/OT	10/IMS/OT/COL	01/IMS/PV	11/ENH/OT/COL	01/IMS/PV			
FRONT ST																																				
RESURFACING																																				
152+50.00	152+57.34	LT	7.34	26.21		192.38					21.38										1.82						0.74									
152+57.34	153+39.21	LT	81.87	26.36		2158.09					239.79										20.38						8.33									
153+39.21	155+20.64	LT	181.43	26.69		4842.37					538.04										45.73						18.68									
152+50.00	155+20.64	RT	270.64	26.12		7069.12					785.46										66.76						27.27									
FULTON ST																																				
FULL DEPTH																																				
19+58.05	19+62.00	LT	3.95	3.94		15.56						0.36			1.73					0.10				0.12			0.06			0.08				3.95		
19+62.00	19+66.62	LT	4.62	10.20		47.12						0.96			5.24					0.29				0.37			0.18			0.25			4.62			
19+66.62	19+87.23	LT	20.61	14.64		301.73						5.97			33.53					1.84				2.35			1.16			1.63			20.61			
19+87.23	22+00.00	LT	212.77	31.00		6595.87						126.09			732.87					40.31				51.30			25.45			35.63			212.77			
22+00.00	22+40.00	LT	40.00	30.50		1220.00						23.33			135.56					7.46				9.49			4.71			6.59			40.00			
22+40.00	23+00.00	LT	60.00	30.00		1800.00						34.44			200.00					11.00				14.00			6.94			9.72			60.00			
23+00.00	23+15.00	LT	15.00	29.81		447.15						8.56			49.68					2.73				3.48			1.73			2.42			15.00			
19+85.90	19+87.23	RT	1.33	3.43		4.56						0.11			0.51					0.03				0.04			0.02			0.02			1.33			
19+87.23	20+45.00	RT	57.77	17.00		982.09						19.26			109.12					6.00				7.64			3.79			5.30			57.77			
20+45.00	20+53.00	RT	8.00	21.00		168.00						3.26			18.67					1.03				1.31			0.65			0.91			8.00			
20+53.00	23+00.00	RT	247.00	25.00		6175.00						118.93			686.11					37.74				48.03			23.82			33.35			247.00			
23+00.00	23+15.00	RT	15.00	21.84		327.60						6.34			36.40					2.00				2.55			1.26			1.77			15.00			
MOUND ST																																				
FULL DEPTH																																				
11+49.86	11+50.86	LT	1.00	26.88		26.88									0.50																	2.99	1.00			
11+68.38	12+33.37	LT					2408.88								44.61																	267.65				
12+52.78	12+53.78	LT	1.00	24.69		24.69									0.46																	2.74	1.00			
11+49.86	11+50.86	RT	1.00	18.82		18.82									0.35																	2.09	1.00			
11+68.38	12+33.37	RT					1961.03								36.32																	217.89				
12+52.78	12+53.78	RT	1.00	21.75		21.75									0.40																	2.42	1.00			
RESURFACING																																				
12+53.78	12+85.70	LT	31.92	24.90		794.81					88.31																3.07									
12+85.70	14+57.28	LT	171.58	24.73		4243.17					471.46																16.37									
14+57.28	16+33.38	LT	176.10	24.32		4282.75					475.86																16.52									
16+33.38	16+40.67	LT	7.29	25.47		185.68					20.63																0.72									
12+53.78	16+40.67	RT	386.89	22.19		8585.09					953.90																33.12									
SOUDER AVE																																				
FULL DEPTH																																				
5+65.70	6+13.55	LT	47.85	3.63		173.70			143.55		4.29	5.88								2.12						0.67			0.94				47.85			
5+61.73	6+12.28	RT	50.55	3.69		186.53			151.65		4.61	6.26								2.28						0.72			1.01				50.55			
2' BIKE LANE MORPC ADJUSTMENT																																				
FULTON ST																																				
19+63.11	23+15.00	LT	351.89	2.00		703.78						-13.03	13.03		-78.20	78.20			-4.30	4.30			-5.47	5.47		-2.72	2.72		-3.80	3.80						
LIVINGSTON AVE																																				
203+66.42	204+02.12	LT	35.70	2.00		71.40						-1.32	1.32		-7.93	7.93			-0.44	0.44			-0.56	0.56		-0.28	0.28		-0.39	0.39						
204+02.12	207+39.28	LT	337.16	2.00		674.32						12.49	-12.49		74.92	-74.92			4.12	-4.12			5.24	-5.24		2.60	-2.60		3.64	-3.64						
TOTALS CARRIED TO PAVEMENT SUBSUMMARY											3595	9	346	27	71	1924	162	-75	416	9	-5	135	12	-6	193	6	-3	96	8	-4	496	691	99			

PAVEMENT CALCULATIONS
FRA - 70 / 71 - 12.68 / 14.86

STATION		SIDE	LENGTH (L) FT	AVERAGE WIDTH (W) FT	CURVE CORRECTION RATIO	CURB CURVE CORRECTION RATIO	SURFACE AREA (A=L*W) SF	CADD AREA SF	AREA FOR 18" EXTENSION SF	608		609		304			618		CALCULATED C/C	CHECKED C/W				
FROM	TO									WALKWAY, MISC.: BRICK PAVER CROSSWALK SY	CURB, MISC.: COLUMBUS 18" GRANITE CURB FT	CURB, MISC.: COLUMBUS 18" CONCRETE CURB FT	6" AGGREGATE BASE CY	RUMBLE STRIPS (ASPHALT CONCRETE) MILE										
WEST MOUND ST										10/IMS/OT/ COL	11/ENH/ OT/COL	10/IMS/OT/ COL	01/IMS/PV	01/IMS/PV	02/NHS/PV	10/IMS/OT/ COL	01/IMS/PV	02/NHS/PV						
23+48.52	25+21.36	LT	184.88										184.88											
CROSSWALK TREATMENT																								
FRONT ST																								
148+26.61	148+48.20	LT/RT	46.74		CADD		1071.71	70.11	1141.82			46.74			1.30									
151+19.35	151+39.35	LT/RT	42.78		CADD		1140.76	64.17	1204.93	42.78				1.19										
155+21.64	155+35.89	LT/RT			CADD		762.59		762.59															
MOUND ST																								
11+50.86	11+69.68	LT/RT			CADD		957.51		957.51															
12+33.37	12+52.78	LT/RT			CADD		976.86		976.86															
RUMBLE STRIPS																								
EASTBOUND I.R. 70																								
125+96.00	126+97.69	LT	101.69												0.01	0.01								
128+26.12	129+50.00	LT	123.88												0.01	0.01								
119+98.35	126+97.69	RT	699.34												0.08	0.05								
128+26.12	134+45.00	RT	618.88												0.07	0.05								
NORTHBOUND I.R. 71																								
252+86.40	257+67.00	RT	480.60												0.05	0.05								
257+67.00	258+90.12	RT	123.12												0.01	0.01								
258+67.00	263+12.50	LT	445.50												0.04	0.04								
260+86.40	263+12.50	RT	226.10												0.02	0.02								
TOTALS CARRIED TO PAVEMENT SUBSUMMARY										5044	43	47	185			3		1	1					

PAVEMENT CALCULATIONS

FRA - 70 / 71 - 12.68 / 14.86

STATION		SIDE	LENGTH (L) FT	AVERAGE WIDTH (W) FT	CURVE CORRECTION RATIO	CURB CURVE CORRECTION RATIO	SURFACE AREA (A=L*W) SF	CADD AREA SF	AREA FOR 6" EXTENSION SF	AREA FOR 36" EXTENSION SF	304												CALCULATED CIC	CHECKED CIVIL	
FROM	TO										CY														
APPROACH SLABS												01/IMS/PV	02/NHS/PV												
EASTBOUND I.R. 70																									
126+97.69	127+27.68	LT	29.99	37.67	1.0033	1.0066	1133.45		15.09		12.76	8.51													
127+96.18	128+26.12	LT	29.94	37.67	1.0033	1.0066	1131.56		15.07		12.74	8.49													
175+62.88	175+92.88	LT	30.00					1180.39	15.00		13.28	8.85													
176+86.60	177+16.60	LT	30.00					1145.68	15.00		12.90	8.60													
126+97.69	127+27.68	RT	29.99	12.00	0.9990	0.9979	359.52				3.99	2.66													
127+96.18	128+26.12	RT	29.94	12.00	0.9990	0.9979	358.92				3.99	2.66													
175+62.88	175+92.88	RT	30.00					1803.28	15.00		20.20	13.47													
176+86.60	177+16.60	RT	30.00					1763.00	15.00		19.76	13.17													
RAMP A5																									
5015+06.59	5015+36.59	LT	30.00	21.67	0.9953	0.9905	647.04		14.86			12.26													
5015+06.59	5015+36.59	RT	30.00	9.67	0.9979	0.9958	289.49		14.94			5.64													
RAMP C5																									
5031+36.94	5031+66.94	LT	30.00					1026.12				19.00													
5032+35.51	5032+65.51	LT	30.00					1134.11				21.00													
5041+57.96	5041+87.96	LT	30.00	23.67	0.9948	0.9897	706.41		14.85			13.36													
5061+83.35	5062+13.35	LT	30.00	35.67	0.9922	0.9844	1061.75		14.77			19.94													
5071+18.62	5071+48.62	LT	30.00	12.00	1.0016	1.0031	360.58					6.68													
5074+10.30	5074+40.30	LT	30.00	12.00	1.0016	1.0031	360.58					6.68													
5080+15.86	5080+45.86	LT	30.00	17.67	1.0046	1.0093	532.54		15.14			10.14													
5081+38.82	5081+68.82	LT	30.00	17.67	1.0046	1.0093	532.54		15.14			10.14													
5031+36.94	5031+66.94	RT	30.00	23.67	0.9959	0.9917	707.19		14.88			13.37													
5032+35.51	5032+65.51	RT	30.00	23.67	0.9959	0.9917	707.19		14.88			13.37													
5041+57.96	5041+87.96	RT	30.00	7.67	1.0017	1.0033	230.49		15.05			4.55													
5061+83.35	5062+13.35	RT	30.00	23.67	0.9959	0.9917	707.19		14.88			13.37													
5071+18.62	5071+48.62	RT	30.00	23.67	0.9969	0.9938	707.90		14.91			13.39													
5074+10.30	5074+40.30	RT	30.00	23.67	0.9969	0.9938	707.90		14.91			13.39													
5080+15.86	5080+45.86	RT	30.00	23.67	0.9938	0.9876	705.70		14.81			13.34													
5081+38.82	5081+68.82	RT	30.00	23.67	0.9938	0.9876	705.70		14.81			13.34													
5084+56.78	5085+95.85	LT/RT	139.07					7243.79				134.14													
RAMP C6																									
6001+86.80	6002+16.50	LT	29.70	21.67	1.0028	1.0057	645.40		14.93			12.23													
6004+73.62	6005+02.85	LT	29.23	21.67	1.0028	1.0057	635.19		14.70			12.04													
6001+86.80	6002+16.50	RT	29.70					110.52				2.05													
6004+73.62	6005+02.85	RT	29.23					548.31				10.15													
FRONT ST																									
148+61.92	148+86.92	LT/RT	25.00					3961.68			73.36														
150+88.81	151+19.35	LT/RT	30.54					4348.89			80.54														

TOTALS CARRIED TO PAVEMENT SUBSUMMARY

254 460

PAVEMENT CALCULATIONS

FRA - 70 / 71 - 12.68 / 14.86

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STATION		SIDE	LENGTH (L) FT	AVERAGE WIDTH (W) FT	CURVE CORRECTION RATIO	CURB CURVE CORRECTION RATIO	SURFACE AREA (A=L*W) SF	CADD AREA SF	AREA FOR 6" EXTENSION SF	304		304		304		305		452		608		601		823		441					
FROM	TO									4" AGGREGATE BASE CY		5" AGGREGATE BASE CY		6" AGGREGATE BASE CY		6" CONCRETE BASE, CLASS QC 1P SY		4" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P SY		WALKWAY MISC.: 6X6 CONCRETE PAVERS SF		RIP RAP WITH GROUT, AS PER PLAN SF		1 1/4" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), AS PER PLAN, PG64-22 CY		1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (448) CY					
										01/IMS/PV	02/NHS/PV	01/IMS/PV	02/NHS/PV	01/IMS/PV	02/NHS/PV	01/IMS/PV	02/NHS/PV	01/IMS/PV	02/NHS/PV	01/IMS/PV	02/NHS/PV	01/IMS/PV	02/NHS/PV	01/IMS/PV	02/NHS/PV	01/IMS/PV	02/NHS/PV				
BIKE PATH																															
FULL DEPTH																															
8+48.00	11+53.75	LT/RT	305.75	10.00		3057.50								24.91	31.71			149.48	190.24												
8+48.00	11+53.75	LT	305.75	4.00		1223.00				6.640	8.460					59.79	76.10			538.12	684.88										
8+48.00	11+53.75	RT	305.75	4.00		1223.00				6.640	8.460					59.79	76.10			538.12	684.88										
8+48.00	11+53.75	LT	305.75				955.12							7.78	9.90									420.25	534.87						
8+48.00	11+53.75	RT	305.75				1869.40							15.23	19.39								822.54	1046.86							
BIKE PATH DETOUR																															
FULL DEPTH																															
3+62.36	15+00.62	LT	1138.26	5.00		5691.30		569.13				42.51	54.10											9.66	12.30	13.53	17.21				
15+00.62	15+56.56	LT	55.94	5.00		279.70		27.97				2.09	2.66											0.47	0.60	0.66	0.85				
15+56.56	19+39.59	LT	383.03	5.00		1915.15		191.52				14.30	18.21											3.25	4.14	4.55	5.79				
19+39.59	22+57.27	LT	317.68	5.00		1588.40		158.84				11.86	15.10											2.70	3.43	3.77	4.80				
3+62.36	15+00.62	RT	1138.26	5.00		5691.30		569.13				42.51	54.10											9.66	12.30	13.53	17.21				
15+00.62	15+56.56	RT	55.94	5.00		279.70		27.97				2.09	2.66											0.47	0.60	0.66	0.85				
15+56.56	19+39.59	RT	383.03	5.00		1915.15		191.52				14.30	18.21											3.25	4.14	4.55	5.79				
19+39.59	22+57.27	RT	317.68	5.00		1588.40		158.84				11.86	15.10											2.70	3.43	3.77	4.80				

PAVEMENT CALCULATIONS

FRA - 70 / 71 - 12.68 / 14.86

CALCULATED
CIC
CHECKED
CIVIL

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14 17 142 181 48 61 120 153 150 191 1077 1370 1243 1582 33 41 46 58