

SHEET NO.	209		254		254		302		302		304		304				305			407				407		441		CALCULATED C/C	CHECKED C/WL
	STA	SY	SY	SY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	SY	SY	SY	SY	GAL	GAL	GAL	GAL	CY	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						1700			94			90			119		114	
15			3595				9				346		27	71			1924	162	-75	416		9	-5		135	12	-6		
16														3															
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 PAVER CROSSWALK	WALKWAY MISC.: 6X6 CONCRETE PAVERS		1 1/4" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448)		
	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	FT	SY	SY	SY	SY	SF	SF	SF	SF	SF	SF	CY	CY			
3																													
4								433	289	597	398	361	241																
5								195	130			163	109																
6								277	257	289	289	237	220																
7								100	190	139	189	12	55	117	312														
8								41	433		804		66	34	306														
9								242							206														
10								22	157		92	19	84		51														
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												150	191				1243	1582	5044	1	1	33	41	
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

FRA - 70 / 71 - 12.68 / 14.86

SHEET NO.	609		609		609		609		609		609		618		622		622		622		622		622		CALCULATED C/C	CHECKED C/L			
	CURB, TYPE 4-C		CURB, TYPE 6		CURB, MISC.: COLUMBUS 18" GRANITE CURB		CURB, MISC.: COLUMBUS 18" SANDSTONE 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		FT		FT		FT		FT		FT		FT		FT						
	01/IMS/PV	02/IMS/PV	02/IMS/PV	11/ENH/OT/COL		10/IMS/OT/COL	11/ENH/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	141					522																	
15				691									99																
16				43		47							185			1.0	1.0												
18																													
TOTALS CARRIED TO THE GENERAL SUMMARY	1941	2073	271	1040		764	141		707	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/L			
	BARRIER MISC.: CONCRETE BARRIER, TYPE B50		CONCRETE BARRIER, END ANCHORAGE, REINFORCED, TYPE B		4" AGGREGATE BASE		6" CONCRETE BASE, CLASS QC 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	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

FRA - 70 / 71 - 12.68 / 14.86

2/18

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 C/C	CHECKED C/C		
												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
FROM	TO	FT	FT			SF	SF	SF	SF	SF	SF	CY	CY	CY	CY	GAL	CY	CY	CY	CY	CY	CY	FT						
EASTBOUND I.R. 70																													
FULL DEPTH LANES																													
125+96.00	126+95.71	LT	99.71	24.00	1.0021							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							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						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		87.16	130.74			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		18.86	28.29			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		15.87	23.80		111.09	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	10.35		48.29	6.55	4.37	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			51.70	34.47	9.95	6.64	14.85	9.90						
4180+77.93	4181+17.93	LT	40.00	11.24		449.60		13.33	20.00		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			75.00	50.00	13.91	9.27	21.48	14.32						
4186+04.15	4186+25.00	LT	20.85	9.50	0.9901	196.11		6.87	10.31		48.09	5.38	3.59	3.25	2.17			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	7.13		33.26	3.72	2.48			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

FRA - 70 / 71 - 12.68 / 14.86

STATION	SIDE	LENGTH (L)	AVERAGE WIDTH (W)	CURVE CORRECTION RATIO	CURB CURVE CORRECTION RATIO	SURFACE AREA (A=L*W)	CADD AREA	AREA FOR 4" EXTENSION	AREA FOR 6" EXTENSION	AREA FOR 20" EXTENSION	AREA FOR 22" EXTENSION	302		304		304		407		442		442		609		CALCULATED C/C	CHECKED C/C														
												10.5" ASPHALT CONCRETE BASE, PG64-22		6" AGGREGATE BASE		VARIABLE DEPTH AGGREGATE BASE (8" AVERAGE)		NON-TRACKING TACK COAT (0.065 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)		CURB, TYPE 4-C																	
FROM	TO	FT	FT			SF	SF	SF	SF	SF	SF	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 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	194.01		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														
TOTALS CARRIED TO PAVEMENT SUBSUMMARY												1175	784	282	188	640	427	663	442	163	109	195	130			962	641														

PAVEMENT CALCULATIONS
FRA - 70 / 71 - 12.68 / 14.86

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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 C/C	CHECKED C/VL														
												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		GAL		CY		CY		CY		FT															
EASTBOUND I.R. 70												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								
FULL DEPTH SHOULDER CONT'D																																									
4193+45.18	4195+94.13	RT	248.95	10.00		2489.50						414.92	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						250.85	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							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				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				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							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							76.43	76.43	48.82	48.82				43.24	43.24	10.92	10.92	12.74	12.74			166.58	166.58												

PAVEMENT CALCULATIONS

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TOTALS CARRIED TO PAVEMENT SUBSUMMARY												1683	1562	773	773	340	227	983	915	237	220	277</
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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 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	FROM	TO	FROM	TO	FROM	TO	FROM	TO	FROM	TO	FROM	TO	FROM	TO			FROM	TO
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

6
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 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		609 CURB, TYPE 4-C FT	609 CURB, TYPE 6 FT	CALCULATED C/C	CHECKED C/M														
FROM	TO																																									
RAMP C5													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								
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	91.67		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					227.95						7.39		4.79		4.18			1.06		1.23				18.51															
5062+68.89	5069+27.87	LT	658.98	10.00	1.0101	1.0119	6656.36		222.27	333.41			228.32		139.73		126.79				30.82		35.95																			
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						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 / 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	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							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							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			48	32	739	528	194	194			48	32	2	2																																														

CALCULATED
CIC

CHECKED
CWL

PAVEMENT CALCULATIONS

FRA - 70 / 71 - 12.68 / 14.86

12
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	6" EDGE EXTENSION SF	254		302		304		407		442		442		442				
									PAVEMENT PLACING, ASPHALT CONCRETE, 5" AVERAGE	10.5" ASPHALT CONCRETE BASE, PG64-22	6" AGGREGATE BASE	NON-TRACKING TACK COAT (0.055 GAL/SY - 1 APPLICATION) (0.085 GAL/SY - 1 APPLICATION)	1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, 19 MM, TYPE A (446)	ANTI-SEGREGATION EQUIPMENT	1 1/2" ASPHALT CONCRETE SURFACE COURSE 12.5 MM, TYPE A (447), AS PER PLAN										
FROM	TO								SY	CY	CY	CY	GAL	CY				CY	CY						
MOMENT SLAB DEDUCTIONS									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 C3																									
3000+16.87	3002+88.88	RT	272.01	8.00	0.9999	0.9997	2175.86			-1.21		-40.29													
3002+88.88	3003+50.00	RT	61.12	8.00	0.9945	0.9891	486.27			-0.27		-9.01													
RAMP C5																									
5079+00.00	5079+12.85	LT	12.85	6.00			77.10					-0.79													
5079+12.85	5080+12.79	LT	99.94	6.00	1.0068	1.0084	603.72					-6.15													
5084+36.06	5084+56.78	LT	20.72	6.00	1.0458	1.0513	130.01					-1.32													
5031+13.25	5031+37.85	RT	24.60	6.00	0.9947	0.9941	146.82					-1.50													
5032+84.43	5033+86.76	RT	102.33	6.00	0.9959	0.9953	611.46					-6.23													
5033+86.76	5034+83.94	RT	97.18	6.00	0.9961	0.9955	580.81					-5.92													
5063+64.00	5066+50.00	RT	286.00	6.00	0.9934	0.9937	1704.67					-17.36													
5074+47.22	5076+08.84	RT	161.62	8.00	0.9953	0.9948	1286.88					-0.71													
5076+08.84	5079+12.85	RT	304.01	8.00			2432.08					-1.35													
5079+12.85	5080+19.66	RT	106.81	8.00	0.9906	0.9895	846.45					-0.47													
5081+83.61	5081+98.63	RT	15.02	6.00	0.9901	0.9885	89.23					-0.91													
5081+98.63	5084+20.00	RT	221.37	6.00			1328.22					-13.53													
5084+20.00	5084+56.78	RT	36.78	6.00	0.9652	0.9597	213.00					-2.17													
EASTBOUND I.R. 70																									
RESURFACING																									
4186+25.00	4188+87.47	LT/RT	262.47	28.25			7414.78			494.32	329.55			69.20	46.14	24.03	16.02			44.63	29.75	20.60	13.73		
4188+87.47	4190+40.00	LT/RT	152.53	36.00			5491.08			366.07	244.05			51.25	34.17	17.80	11.86			33.05	22.03	15.25	10.17		
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 IP 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 IP SY	609 CURB, MISC.: COLUMBUS 18" CONCRETE CURB FT	609 CURB, MISC.: COLUMBUS 18" GRANITE CURB FT	609 CURB, MISC.: COLUMBUS 18" SANDSTONE CURB FT	SPECIAL PRESSURE RELIEF JOINT, TYPE A FT	CALCULATED CIC	CHECKED CIVIL					
											FROM	TO	01/IMS/PV	10/IMS/OT/ COL	01/IMS/PV	10/IMS/OT/ COL	01/IMS/PV	10/IMS/OT/ COL	01/IMS/PV	10/IMS/OT/ COL	01/IMS/PV	10/IMS/OT/ COL	01/IMS/PV	10/IMS/OT/ COL	10/IMS/OT/ COL	01/IMS/PV	11/ENH/ OT/COL			10/IMS/OT/ COL	11/ENH/ OT/COL	01/IMS/PV		
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																		
200+28.61	200+41.49	LT	12.88	8.52	0.9782	107.35		12.32			2.22	11.93	0.66	0.83	0.41	0.58																		
200+41.49	200+81.85	LT	40.36	10.00	0.9744	393.27		38.29			7.99	43.70	2.40	3.06	1.52	2.12																		
200+81.85	200+88.85	LT	7.00	13.50		94.50		7.00			1.88	10.50	0.58	0.74	0.36	0.51																		
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																		
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																		
202+16.96	202+44.29	LT	27.33	10.98	0.9808	294.32		26.28			5.94	32.70	1.80	2.29	1.14	1.59																		
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																		
203+66.42	204+02.12	LT	38.33				354.83	38.33			7.28		39.43	2.17	2.76	1.64	1.92																	
204+02.12	207+31.89	LT	329.77	23.00		7584.71		329.77			146.56	842.75	46.35	58.99	29.26	40.97																		
207+31.89	207+47.00	LT	15.11	14.82		223.93		15.11			4.43	24.88	1.37	1.74	0.86	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																		
200+28.61	200+81.85	RT	53.24	11.00	1.0282	602.16		84.36	12.71		66.91	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	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	4.22																		
201+01.09	202+16.99	RT	115.90	10.00		1159.00		173.85	24.68		128.78	128.78	7.08	9.01	4.47	6.26																		
202+16.99	202+44.29	RT	27.30	11.40	1.0199	317.41		42.58	6.67		35.27	35.27	1.94	2.47	1.22	1.71																		
202+44.29	202+44.64	RT	0.35	12.80		4.48		0.52	0.09		0.50	0.50	0.03	0.03	0.02	0.02																		
204+02.12	206+33.97	RT	231.85	16.00		3709.60		347.78		75.14	412.18	412.18	22.67	28.85	14.31	20.04																		
206+33.97	207+00.26	RT	66.29	19.50		1292.65		99.43		25.78	143.63	143.63	7.90	10.05	4.99	6.98																		
207+00.26	207+74.00	RT	73.74	24.12		1778.61		110.61		34.99	197.62	197.62	10.87	13.83	6.86	9.61																		
FRONT ST																																		
FULL DEPTH																																		
147+75.00	147+87.46	LT	12.46	23.50		292.81		18.69	5.77		32.53	32.53	1.79	2.28	1.13	1.58																		
147+87.46	148+19.22	LT	31.76	24.30		771.77		47.64	15.17		85.75	85.75	4.72	6.00	2.98	4.17																		
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																		
148+21.47	148+25.58	LT	4.26				76.81			6.39	1.54																							
148+25.58	148+26.61	LT	1.03				19.17			1.55	0.38																							
151+39.35	151+40.35	LT	1.00	28.30		28.30		1.50		0.55																								
151+40.35	151+44.35	LT	4.00	28.25		113.00		6.00	2.20																									
151+44.35	152+50.00	LT	105.65	27.17		2870.51		158.47	56.09		318.95	318.95	17.54	22.33	11.07	15.50																		
155+20.64	155+21.64	LT	1.00	26.95		26.95		1.50		0.53																								
147+75.00	147+78.00	RT	3.00	22.79		68.37		4.50	1.35		7.60	7.60	0.42	0.53	0.26	0.37																		
147+78.00	148+10.77	RT	32.77	22.75		745.52		49.16	14.72		82.84	82.84	4.56	5.80	2.88	4.03																		
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																		
148+21.47	148+25.58	RT	4.00				96.67			6.00	1.90																							
148+25.58	148+26.61	RT	1.03				24.76			1.55	0.49																							
151+39.35	151+40.35	RT	1.00	26.60		26.60		1.00		0.51																								
151+40.35	151+44.35	RT	4.00	26.60		106.40		2.00		2.01																								
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	10.57																		
151+40.35	152+18.08	RT	84.20	7.50		631.50			84.20	13.25	70.17	70.17	3.86	4.91	2.44	3.41																		
152+18.08	152+35.63	RT	17.55	26.38		462.97		17.55		8.90	51.44	51.44	2.83	3.60	1.79	2.50																		
152+35.63	152+47.66	RT	12.03	26.43		317.95		12.03		6.11	35.33	35.33	1.94	2.47	1.23	1.72																		
152+47.66	152+50.00	RT	2.34	26.59		62.22		2.34		1.20	6.91	6.91	0.38	0.48	0.24	0.34																		
155+20.64	155+21.64	RT	1.00	25.66		25.66		1.00		0.49																								
148+48.20	148+61.92	LT/RT	36.30				1061.59			54.45	20.67																							
TOTALS CARRIED TO PAVEMENT SUBSUMMARY											334	290	1700	1622	94	90	119	114	60	57	83	79	135	522	306	717	141	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	609	609	304			618	
									WALKWAY, MISC.: BRICK PAYER CROSSWALK SY	CURB, MISC.: COLUMBUS 18" GRANITE CURB FT	CURB, MISC.: COLUMBUS 18" SANDSTONE CURB FT	CURB, MISC.: COLUMBUS 18" CONCRETE CURB FT	6" AGGREGATE BASE CY			RUMBLE STRIPS, (ASPHALT CONCRETE) MILE	
FROM	TO								10/IMS/OT/ COL	11/ENH/ OT/COL	11/ENH/ OT/COL	01/IMS/PV	01/IMS/PV	02/NHS/PV	10/IMS/OT/ COL	01/IMS/PV	02/NHS/PV
WEST MOUND ST																	
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

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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	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									CY		CY		CY		SY		SY		SF		SF		CY		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

18
18

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