

SHEET NO.	609		609	609	609				609	609		618		622		622		622		622		622				CALCULATED CJC	CHECKED CNL	
	CURB, TYPE 4-C	FT	FT	FT	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	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				
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								622		622		622		622		622		622		622				CALCULATED CJC	CHECKED CNL
	BARRIER MISC.: CONCRETE BARRIER, TYPE B50	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					
	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	1				
TOTALS CARRIED TO THE GENERAL SUMMARY	48	32			2	2			1	1	13	12		1	5	6		1		1			1	1				

PAVEMENT SUBSUMMARY

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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		407		442		442		442		609		CALCULATED CIVIL	CHECKED CIVIL	
												10.5" ASPHALT CONCRETE BASE, PG64-22	6" AGGREGATE BASE	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 1/2" ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (446), AS PER PLAN, PG76-22M	1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, 19 MM, TYPE A (446)	ANTI-SEGREGATION EQUIPMENT	CURB, TYPE 4-C	CY	CY	GAL	CY	CY	CY			CY
FROM	TO	FT	FT			SF	SF	SF	SF	SF	SF																	
RAMP C5																												
FULL DEPTH SHOULDER CONTD.																												
5081+76.21	5081+98.63	RT	22.42	10.00	0.9911	0.9885	222.20					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			
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			
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			
6010+81.51		RT						17.50					0.57	0.32			0.32		0.08					0.09		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		4.63				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

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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, (441), (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		CALCULATED CIC	CHECKED CWL					
FROM	TO					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 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	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																											1.00					
4170+02.21	4170+91.16	LT	88.95	3.85	44.47	4.30	2.87							53.37	35.58																									
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									1	1	13	12	0	1	5	6	0	1	1	1	1

PAVEMENT CALCULATIONS

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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				
FROM	TO									PAVEMENT PLANING, 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						
										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																			
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			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			

PAVEMENT CALCULATIONS

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TOTALS CARRIED TO PAVEMENT SUBSUMMARY										861	574	-2	-59	-50	-187	121	81	42	28								78	52	36	24
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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	AREA FOR 12" EXTENSION SF	AREA FOR 18" EXTENSION SF	304		305		407		407		441		441		452	609	609	609		SPECIAL				
FROM	TO											FT	FT	SF	SF	SF	SF	SF	SF	SF	CY	SY	GAL	GAL	CY	CY	SY	FT	FT	FT	FT	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		0.74		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					354.83		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			146.56		842.75		46.35		58.99		29.26		40.97			329.77							
207+31.89	207+47.00	LT	15.11	14.82			223.93			15.11			4.43		24.88		1.37		1.74				1.21			15.11							
200+04.62	200+28.61	RT	23.99	11.00			263.89			23.99		35.99		5.55		29.32		1.61		2.05		1.43			23.99								
200+28.61	200+81.85	RT	53.24	11.00	1.0282	1.0563	602.16			49.38		84.36		12.71		66.91		3.68		4.68		3.25											
200+81.85	201+01.09	RT	19.24	10.00			192.40			19.24		28.86		4.10		21.38		1.18		1.50		1.04											
200+28.61	201+01.09	RT	77.16					781.95		77.16		115.74		16.62		86.88		4.78		6.08		4.22			77.16								
201+01.09	202+16.99	RT	115.90	10.00			1159.00			115.90		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			27.30		42.58		6.67		35.27		1.94		2.47		1.22		1.71		27.30							
202+44.29	202+44.64	RT	0.35	12.80			4.48			0.35		0.52		0.09		0.50		0.03		0.02		0.02		0.35									
204+02.12	206+33.97	RT	231.85	16.00			3709.60			231.85		347.78			75.14		412.18		22.67		28.85		14.31										
206+33.97	207+00.26	RT	66.29	19.50			1292.65			66.29		99.43		25.78		143.63		7.90		10.05		4.99		6.98			66.29						
207+00.26	207+74.00	RT	73.74	24.12			1778.61			73.74		110.61		34.99		197.62		10.87		13.83		6.86		9.61			73.74						
FRONT ST																																	
FULL DEPTH																																	
147+75.00	147+87.46	LT	12.46	23.50			292.81			12.46		18.69		5.77		32.53		1.79		2.28		1.13		1.58									
147+87.46	148+19.22	LT	31.76	24.30			771.77			31.76		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		8.95		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		4.26		6.39		1.54												4.26							
148+25.58	148+26.61	LT	1.03					19.17		1.03		1.55		0.38										2.13		1.03							
151+39.35	151+40.35	LT	1.00	28.30			28.30			1.00		1.50		0.55																			
151+40.35	151+44.35	LT	4.00	28.25			113.00			4.00		6.00		2.20																			
151+44.35	152+50.00	LT	105.65	27.17			2870.51			105.65		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			1.00		1.50		0.53																			
147+75.00	147+78.00	RT	3.00	22.79			68.37			3.00		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			32.77		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		5.20		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		4.00		6.00		1.90																			
148+25.58	148+26.61	RT	1.03					24.76		1.03		1.55		0.49											2.75		1.03						
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					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		2.44		3.41				84.20							
152+18.08	152+35.63	RT	17.55	26.38			462.97			17.55		8.90		462.97		51.44		2.83		3.60		1.79		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		1.23		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		0.24		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 79 135 662 306 717 99

CALCULATED C/C	CHECKED C/M	PAVEMENT CALCULATIONS

STATION		SIDE	LENGTH (L)	AVERAGE WIDTH (W)	CURVE CORRECTION RATIO	CURB CURVE CORRECTION RATIO	SURFACE AREA (A=LxW)	CADD AREA	AREA FOR 12" EXTENSION	AREA FOR 36" EXTENSION	254	302	304			305			407			407			441			441			452	609	609	CALCULATED GSC	CHECKED CWL															
FROM	TO										SY	CY	CY	CY	SY	OT/COL	OT/COL	OT/COL	GAL	GAL	GAL	GAL	GAL	GAL	GAL	GAL	GAL	CY	CY	CY	CY	CY	CY			CY	CY	CY	SY	FT	FT									
FRONT ST												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	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							
RESURFACING																																																		
152+50.00	152+57.34	LT	7.34	26.21		192.38					21.38																																							
152+57.34	153+39.21	LT	81.87	26.36		2158.09					239.79																																							
153+39.21	155+20.64	LT	181.43	26.69		4842.37					538.04																																							
152+50.00	155+20.64	RT	270.64	26.12		7069.12					785.46																																							
FULTON ST																																																		
FULL DEPTH																																																		
19+58.05	19+62.00	LT	3.95	3.94		15.56					0.36				1.73																																			
19+62.00	19+66.62	LT	4.62	10.20		47.12					0.96				5.24																																			
19+66.62	19+87.23	LT	20.61	14.64		301.73					5.97				33.53																																			
19+87.23	22+00.00	LT	212.77	31.00		6595.87					126.09				732.87																																			
22+00.00	22+40.00	LT	40.00	30.50		1220.00					23.33				135.56																																			
22+40.00	23+00.00	LT	60.00	30.00		1800.00					34.44				200.00																																			
23+00.00	23+15.00	LT	15.00	29.81		447.15					8.56				49.68																																			
19+85.90	19+87.23	RT	1.33	3.43		4.56					0.11				0.51																																			
19+87.23	20+45.00	RT	57.77	17.00		982.09					19.26				109.12																																			
20+45.00	20+53.00	RT	8.00	21.00		168.00					3.26				18.67																																			
20+53.00	23+00.00	RT	247.00	25.00		6175.00					118.93				686.11																																			
23+00.00	23+15.00	RT	15.00	21.84		327.60					6.34				36.40																																			
MOUND ST																																																		
FULL DEPTH																																																		
11+49.86	11+50.86	LT	1.00	26.88		26.88									0.50																																			
11+68.38	12+33.37	LT						2408.88							44.61																																			
12+52.78	12+53.78	LT	1.00	24.69		24.69									0.46																																			
11+49.86	11+50.86	RT	1.00	18.82		18.82									0.35																																			
11+68.38	12+33.37	RT						1961.03							36.32																																			
12+52.78	12+53.78	RT	1.00	21.75		21.75									0.40																																			
RESURFACING																																																		
12+53.78	12+85.70	LT	31.92	24.90		794.81					88.31				7.51																																			
12+85.70	14+57.28	LT	171.58	24.73		4243.17					471.46				40.07																																			
14+57.28	16+33.38	LT	176.10	24.32		4282.75					475.86				40.45																																			
16+33.38	16+40.67	LT	7.29	25.47		185.68					20.63				1.75																																			
12+53.78	16+40.67	RT	386.89	22.19		8585.09					953.90				81.08																																			
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																																			
5+61.73	6+12.28	RT	50.55	3.69		186.53				151.65	4.61	6.26			2.28																																			
2' BIKE LANE MORPC ADJUSTMENT																																																		
FULTON ST																																																		
19+63.11	23+15.00	LT	351.89	2.00		703.78									-13.03	13.03																																		
LIVINGSTON AVE																																																		
203+66.42	204+02.12	LT	35.70	2.00		71.40									-1.32	1.32																																		
204+02.12	207+39.28	LT	337.16	2.00		674.32									12.49	-12.49																																		
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	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											PAVEMENT CALCULATIONS	
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												

