SHEET NO.	204 SUBGRADE COMPACTION	204 PROOF ROLLING (1 HOUR/2000 SY)		206 CEMENT (0.75 X T X 115 X 0.05)	206 CURING COAT	206 CEMENT STABILIZED SUBGRADE, 14" DEEP	206 MIXTURE DESIGN FOR CHEMICALLY STABLIZED SOILS	302 6.5 ASPHALT CONCRETE BASE, PG64-22 (449)		304 6" AGGREGATE BASE	304 VARIABLE DEPTH AGGREGATE BASE	407 NON-TRACKING TACK COAT (0.055 GAL/SY - 2 APPLICATIONS)		442 ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (447), PG70-22M	442 ASPHALT CONCRETE INTERMEDIATE COURSE, 12.5 MM, TYPE A (446)	442 ANTI-SEGREGATION EQUIPMENT		452 10" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC1P WITH QC/QA		609 CURB, TYPE 4-C	609 CURB, TYPE 6	609 4" CONCRETE MEDIAN
	SY	HOUR		TON	SY	SY	LS	CY		CY	CY	GAL		CY	CY	CY		SY		FT	FT	SY
2	505	17		977	32358	32358		5712		5372		3461		1300	1521	2116				148		
3	396	15		844	27949	27949		5015		4676		3047		1150	1343	2070				82		
4	1822	41		2402	79540	79540		14527		13506		8840		3342	3903	6908				105		
5	199	9		503	16662	16662		2532		2558		1498		550	643					25		
6	788	36		2139	70842	70842		12620		11786		7661		2891	3374	4953				50		
7	1188	20		1155	38236	38236		6788		6409		4107		1544	1802					51		
8	325	9		488	16158	16158		2466		2488		1460		537	627							
9		3		174	5760	5760		579		944		353		134	156	67		2408				
10		3		124	4104	4104		177		640		106		40	47	38		2710				
11		3		178	5893	5893		216		933		131		49	58	106		4209			327	
12		4		233	7688	7688		265		1214		161		61	71	115		5632			330	
13	114	3		140	4624	4624		269		752		163		62	72			2889				
14	75	2		79	2606	2606		136		447	53	82		26	36			1666				166
15	2117	2								339		107										
TOTALS CARRIED TO THE GENERAL SUMMARY	**7529**	**167**		**9436**	**312420**	**312420**	**LS**	**51302**		**52117**		**31177**		**11686**	**13653**	**16373**		**19514**		**461**	**657**	**166**

SHEET NO.		209 LINEAR GRADING, AS PER PLAN	254 PAVEMENT PLANING, ASPHALT CONCRETE (1.5")	305 9" CONCRETE BASE, CLASS QC1P		407 TACK COAT, 702.13 (0.085 GAL/SY - 1 APPLICATIONS)		408 PRIME COAT, AS PER PLAN (0.4 GAL/SY)		441 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), PG64-22	441 1.5" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, (449) (VARIABLE)	441 2" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, (449), (UNDER GUARDRAIL), AS PER PLAN		617 WATER ((A*0.300)/1000)	617 COMPACTED AGGREGATE, AS PER PLAN (T=2")	617 SHOULDER PREPARATION		618 RUMBLE STRIPS, SHOULDER (ASPHALT CONCRETE)				
		STA	SY	SY		GAL		GAL		CY	CY	CY		MGAL	CY	SY		MILE				
15			4048	1973		512				250	58											
16		61										189										
17		36										111										
18		67										204										
19		27										98										
20								872						6	121	2178						
21								1928						13	268	4819						
22								1331						10	185	3326						
23								1347						10	187	3366						
24								111						8	145	2596						
25								469						4	66	1172						
26								275						2	39	686						
27								304						3	43	758						
28																		18				
29																		1				
TOTALS CARRIED TO THE GENERAL SUMMARY		**191**	**4048**	**1973**		**512**		**6637**		**250**	**58**	**602**		**56**	**1054**	**18901**		**19**				

CALCULATED SRT

CHECKED CJC

PAVEMENT SUBSUMMARY

SUM-77-24.12

STATION FROM	STATION TO	SIDE	LENGTH (L)	AVERAGE WIDTH (W)	CURVE CORRECTION RATIO	EDGE EXT. CURVE CORRECTION RATIO	SURFACE AREA (A=LxW)	CADD AREA	AREA FOR 4" EXTENSION	AREA FOR 6" EXTENSION	AREA FOR 6.5" EXTENSION	AREA FOR 12" EXTENSION	AREA FOR 18" EXTENSION	AREA FOR 20" EXTENSION	302 6.5" ASPHALT CONCRETE BASE, PG64-22 (449)	304 6" AGGREGATE BASE		407 NON-TRACKING TACK COAT (0.055 GAL/SY - 2 APPLICATIONS)	442 1 1/2" ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (447), PG70-22M	442 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, 12.5 MM, TYPE A (446)	442 ANTI-SEGREGATION EQUIPMENT		609 CURB, TYPE 4-C		204 SUBGRADE COMPACTION	204 PROOF ROLLING (1 HOUR/2000 SY)	206 CEMENT (0.75 X T X 115 X 0.05) LB/SY	206 CURING COAT	206 CEMENT STABILIZED SUBGRADE, 14" DEEP
			FT	FT			SF	SF	SF	SF	SF	SF	SF	SF	CY	CY		GAL	CY	CY	CY		FT		SY	HOUR	TON	SY	SY
		NORTHBOUND I.R. 77 BL																											
FULL DEPTH LANES																													
299+00.00	299+75.00	LT	75.00	12.00			900.00								18.06	16.67		11.00	4.17	4.86	9.03				100.00	0.050			
299+75.00	321+90.50	LT	2215.50	12.00			26586.00								533.36	492.33		324.94	123.08	143.60	266.68					1.477	89.17	2954.00	2954.00
321+90.50	324+90.50	LT	300.00	12.00	0.9990		3596.40								72.15	66.60		43.96	16.65	19.43	36.08					0.200	12.06	399.60	399.60
324+90.50	329+73.70	LT	483.20	12.00	0.9981		5787.38								116.10	107.17		70.73	26.79	31.26	58.05					0.322	19.41	643.04	643.04
329+73.70	352+13.38	LT	2239.68	12.00	0.9985		26835.85								538.37	496.96		327.99	124.24	144.95	269.19					1.491	90.01	2981.76	2981.76
299+00.00	299+75.00	RT	75.00	24.00			1800.00								36.11	33.33		22.00	8.33	9.72	18.05				200.00	0.100			
299+75.00	311+54.59	RT	1179.59	24.00			28310.16								567.95	524.26		346.01	131.07	152.91	283.98					1.573	94.96	3145.57	3145.57
311+54.59	312+54.59	RT	100.00	30.00			3000.00								60.19	55.56		36.67	13.89	16.20	30.09					0.167	10.06	333.33	333.33
312+54.59	315+12.38	RT	257.79	36.00			9280.44								186.18	171.86		113.43	42.97	50.13	93.10					0.516	31.13	1031.16	1031.16
315+12.38	321+90.50	RT	678.12	24.00			16274.88								326.50	301.39		198.92	75.35	87.90	163.25					0.904	54.59	1808.32	1808.32
321+90.50	324+90.50	RT	300.00	24.00	1.0019		7213.68								144.72	133.59		88.17	33.40	38.96	72.36					0.401	24.20	801.52	801.52
324+90.50	329+73.70	RT	483.20	24.00	1.0039		11642.03								233.56	215.59		142.29	53.90	62.88	116.78					0.647	39.05	1293.56	1293.56
329+73.70	335+72.56	RT	598.86	24.00	1.0030		14415.76								289.21	266.96		176.19	66.74	77.86	144.60					0.801	48.35	1601.75	1601.75
335+72.56	348+22.56	RT	1250.00	36.50	1.0046		45834.88								919.53	848.79		560.20	212.20	247.56	459.76					2.546	153.74	5092.76	5092.76
348+22.56	352+14.56	RT	392.00	24.00	1.0030		9436.22								189.31	174.74		115.33	43.69	50.97	94.66					0.524	31.65	1048.47	1048.47
FULL DEPTH SHOULDER																													
299+00.00	299+75.00	LT	75.00	13.00			975.00								19.56	18.06		11.92	4.51	5.27					108.33	0.054			
299+75.00	302+35.00	LT	260.00	13.00			3380.00								67.81	62.59		41.31	15.65	18.26						0.188	11.34	375.56	375.56
302+35.00	304+00.00	LT	165.00	7.30			1204.50		55.00	82.50	89.38			275.00	32.44	31.60		19.43	5.58	8.44						0.095	5.72	189.60	189.60
304+00.00	304+15.00	LT	15.00	4.00			60.00		5.00	7.50	8.13			25.00	1.96	1.96		1.16	0.28	0.50						0.006	0.35	11.74	11.74
304+15.00	321+90.50	LT	1775.50	4.00			7102.00		591.83		961.73		2663.25		154.35	160.29		90.42	32.88	38.36						0.543	32.75	1085.03	1085.03
321+90.50	324+90.50	LT	300.00	4.00	0.9977	0.9974	1197.24		99.74		162.08		448.83		26.02	27.02		15.24	5.54	6.47						0.091	5.52	182.90	182.90
324+90.50	329+73.70	LT	483.20	4.00	0.9955	0.9948	1924.10		160.23		260.37		721.03		41.82	43.42		24.50	8.91	10.39						0.147	8.87	293.90	293.90
329+73.70	350+98.38	LT	2124.68	4.00	0.9965	0.9959	8468.97		705.32		1146.15		3173.95		184.05	191.12		107.82	39.21	45.74						0.647	39.05	1293.66	1293.66
350+98.38	351+57.78	LT	59.40	9.94	0.9957	0.9944	587.90		19.69		31.99		88.60		12.19	11.84		7.31	2.72	3.18						0.038	2.27	75.17	75.17
351+57.78	352+12.45	LT	54.67	15.88	0.9949	0.9929	863.73						81.42		17.33	17.50		10.56	4.00	4.67			54.28			0.053	3.17	105.02	105.02
299+00.00	299+75.00	RT	75.00	10.00			750.00		25.00		40.63		112.50		15.55	15.10		9.32	3.47	4.05					95.83	0.048			
299+75.00	303+75.20	RT	400.20	10.00			4002.00		133.40		216.78		600.30		82.96	80.60		49.73	18.53	21.62						0.256	15.44	511.37	511.37
303+75.20	303+93.35	RT	18.15	10.00			181.50						27.22		3.64	3.87		2.22	0.84	0.98			18.15			0.012	0.70	23.19	23.19
303+93.35	304+82.35	RT	89.00	10.00			890.00		29.67	44.50	48.21			148.33	22.32	21.49		13.42	4.12	5.85						0.064	3.89	128.97	128.97
304+82.35	311+54.59	RT	672.24	10.00			6722.40		224.08		364.13		1008.36		139.36	135.38		83.53	31.12	36.31						0.429	25.93	858.97	858.97
311+54.59	312+54.59	RT	100.00	9.00			900.00		33.33		54.17		150.00		18.72	18.29		11.20	4.17	4.86						0.058	3.52	116.67	116.67
312+54.59	315+12.38	RT	257.79	8.00			2062.32		85.93		139.64		386.69		43.10	42.37		25.73	9.55	11.14						0.136	8.21	272.11	272.11
319+54.59	321+90.50	RT	235.91	10.00			2359.10		78.64		127.78		353.87		48.91	47.51		29.31	10.92	12.74						0.151	9.10	301.44	301.44
321+90.50	324+90.50	RT	300.00	10.00	1.0047	1.0055	3014.10		100.55		163.39		452.48		62.49	60.70		37.45	13.95	16.28						0.193	11.63	385.18	385.18
324+90.50	326+90.98	RT	200.48	10.00	1.0094	1.0110	2023.65		67.56		109.79		304.03		41.95	40.76		25.15	9.37	10.93						0.129	7.81	258.63	258.63
326+90.98	327+08.93	RT	17.95	10.00	1.0094	1.0110	181.19						27.22		3.63	3.86		2.21	0.84	0.98			18.15			0.012	0.70	23.16	23.16
327+08.93	328+36.52	RT	127.59	10.00	1.0094	1.0110	1287.89		43.00	64.50	69.87			214.99	32.31	31.12		19.42	5.96	8.47						0.093	5.64	186.69	186.69
328+36.52	329+73.70	RT	137.18	10.00	1.0094	1.0110	1384.69		46.23		75.12		208.03		28.71	27.89		17.21	6.41	7.48						0.088	5.34	176.97	176.97
329+73.70	333+67.27	RT	393.57	10.00	1.0073	1.0086	3964.43		132.32		215.02		595.43		82.19	79.85		49.26	18.35	21.41						0.253	15.29	506.65	506.65
335+72.56	347+22.56	RT	1150.00	8.00	1.0103	1.0113	9294.76		387.67		629.96		1744.49		194.25	190.97		115.97	43.03	50.20						0.613	37.03	1226.58	1226.58
347+22.56	348+22.56	RT	100.00	9.00	1.0075	1.0086	906.75		33.62		54.63		151.29		18.87	18.43		11.29	4.20	4.90						0.059	3.55	117.56	117.56
348+22.56	351+51.86	RT	329.30	10.00	1.0073	1.0086	3317.04		110.71		179.90		498.20		68.77	66.81		41.22	15.36	17.92						0.212	12.80	423.92	423.92
351+51.86	351+59.07	RT	7.21	10.72	1.0074	1.0088	77.86		2.42		3.94		10.91		1.61	1.56		0.97	0.36	0.42						0.005	0.30	9.86	9.86
351+59.07	352+15.72	RT	56.65	11.44	1.0075	1.0090	652.94						85.74		13.10	13.68		7.98	3.02	3.53			57.16			0.041	2.48	82.08	82.08
TOTALS CARRIED TO PAVEMENT SUBSUMMARY															**5712**	**5372**		**3461**	**1300**	**1521**	**2116**		**148**		**505**	**17**	**977**	**32358**	**32358**

CALCULATED SRT

CHECKED CJC

PAVEMENT CALCULATIONS

SUM-77-24.12

STATION FROM	STATION TO	SIDE	LENGTH (L)	AVERAGE WIDTH (W)	CURVE CORRECTION RATIO	EDGE EXT. CURVE CORRECTION RATIO	SURFACE AREA (A=LxW)	CADD AREA	AREA FOR 4" EXTENSION	AREA FOR 6" EXTENSION	AREA FOR 6.5" EXTENSION	AREA FOR 12" EXTENSION	AREA FOR 18" EXTENSION	AREA FOR 20" EXTENSION	302 6.5" ASPHALT CONCRETE BASE, PG64-22 (449)	304 6" AGGREGATE BASE		407 NON-TRACKING TACK COAT (0.055 GAL/SY - 2 APPLICATIONS)	442 1 1/2" ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (447), PG70-22M	442 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, 12.5 MM, TYPE A (446)	442 ANTI-SEGREGATION EQUIPMENT		609 CURB, TYPE 4-C		204 SUBGRADE COMPACTION	204 PROOF ROLLING (1 HOUR/2000 SY)	206 CEMENT (0.75 X T X 115 X 0.05) LB/SY	206 CURING COAT	206 CEMENT STABILIZED SUBGRADE, 14" DEEP
			FT	FT			SF	SF	SF	SF	SF	SF	SF	SF	CY	CY		GAL	CY	CY	CY		FT		SY	HOUR	TON	SY	SY
		SOUTHBOUND I.R. 77 BL																											
FULL DEPTH LANES																													
399+00.00	399+15.00	LT	15.00	24.00			360.00								7.22	6.67		4.40	1.67	1.94	3.61				40.00	0.020			
399+15.00	399+75.00	LT	60.00	24.60			1476.00								29.61	27.33		18.04	6.83	7.97	14.80				164.00	0.082			
399+75.00	401+25.26	LT	150.26	26.70			4011.94								80.49	74.30		49.03	18.57	21.67	40.24					0.223	13.46	445.77	445.77
401+25.26	409+71.79	LT	846.53	36.67	0.9952		30893.25								619.77	572.10		377.58	143.02	166.86	309.88					1.716	103.62	3432.58	3432.58
409+71.79	411+65.00	LT	193.21	47.07			9094.39								182.45	168.41		111.15	42.10	49.12	91.22					0.505	30.50	1010.49	1010.49
411+65.00	414+27.45	LT	262.45	24.00			6298.80								126.36	116.64		76.99	29.16	34.02	63.18					0.350	21.13	699.87	699.87
414+27.45	422+73.97	LT	846.52	24.00	1.0031		20379.46								408.85	377.40		249.08	94.35	110.07	204.42					1.132	68.36	2264.38	2264.38
422+73.97	427+61.56	LT	487.59	24.00			11702.16								234.77	216.71		143.03	54.18	63.21	117.39					0.650	39.25	1300.24	1300.24
427+61.56	427+66.24	LT	4.68	36.00			168.48								3.38	3.12		2.06	0.78	0.91	1.69					0.009	0.57	18.72	18.72
427+66.24	430+06.94	LT	240.70	36.00	0.9966		8635.74								173.25	159.92		105.55	39.98	46.64	86.62					0.480	28.97	959.53	959.53
430+06.94	431+06.94	LT	100.00	30.00	0.9972		2991.60								60.02	55.40		36.56	13.85	16.16	30.01					0.166	10.03	332.40	332.40
431+06.94	431+16.24	LT	9.30	24.00	0.9978		222.71								4.47	4.12		2.72	1.03	1.20	2.23					0.012	0.75	24.75	24.75
431+16.24	448+03.37	LT	1687.13	24.00	0.9955		40308.91								808.67	746.46		492.66	186.62	217.72	404.34					2.239	135.20	4478.77	4478.77
448+03.37	451+05.44	LT	302.07	24.00	0.9969		7227.21								144.99	133.84		88.33	33.46	39.04	72.50					0.402	24.24	803.02	803.02
399+00.00	399+75.00	RT	75.00	12.00			900.00								18.06	16.67		11.00	4.17	4.86	9.03				100.00	0.050			
399+75.00	401+25.26	RT	150.26	12.00			1803.12								36.17	33.39		22.04	8.35	9.74	18.09					0.100	6.05	200.35	200.35
401+25.26	409+71.79	RT	846.53	12.00	1.0016		10174.61								204.12	188.42		124.36	47.10	54.96	102.06					0.565	34.13	1130.51	1130.51
409+71.79	414+27.45	RT	455.66	12.00			5467.92								109.70	101.26		66.83	25.31	29.53	54.84					0.304	18.34	607.55	607.55
414+27.45	422+73.97	RT	846.52	12.00	0.9984		10141.99								203.47	187.81		123.96	46.95	54.78	101.73					0.563	34.02	1126.89	1126.89
422+73.97	427+66.24	RT	492.27	12.00			5907.24								118.51	109.39		72.20	27.35	31.91	59.26					0.328	19.81	656.36	656.36
427+66.24	431+16.24	RT	350.00	12.00	1.0011		4204.62								84.35	77.86		51.39	19.47	22.71	42.18					0.234	14.10	467.18	467.18
431+16.24	448+03.37	RT	1687.13	12.00	1.0022		20290.10								407.05	375.74		247.99	93.94	109.59	203.53					1.127	68.06	2254.46	2254.46
448+03.37	451+05.81	RT	302.44	12.00	1.0016		3635.09								72.93	67.32		44.43	16.83	19.63	36.46					0.202	12.19	403.90	403.90
FULL DEPTH SHOULDER																													
399+00.00	399+15.00	LT	15.00	10.00			150.00		5.00		8.13		22.50		3.11	3.02		1.86	0.69	0.81					19.17	0.010			
399+15.00	399+75.00	LT	60.00	9.40			564.00		20.00		32.50		90.00		11.72	11.42		7.02	2.61	3.05					72.67	0.036			
399+75.00	400+15.00	LT	40.00	8.40			336.00		13.33		21.67		60.00		7.01	6.87		4.19	1.56	1.81						0.022	1.33	44.00	44.00
400+15.00	401+25.26	LT	110.26	8.00			882.08		36.75		59.72		165.39		18.43	18.12		11.01	4.08	4.76						0.058	3.51	116.39	116.39
401+25.26	405+66.12	LT	440.86	8.00	0.9921	0.9911	3499.02		145.65		236.67		655.40		73.12	71.88		43.66	16.20	18.90						0.231	13.93	461.60	461.60
405+66.12	406+56.18	LT	90.06	8.00	0.9919	0.9908	714.64		29.74	44.62	48.33			148.72	18.81	18.26		11.28	3.31	4.90						0.055	3.31	109.56	109.56
406+56.18	406+74.56	LT	18.38	8.00	0.9914	0.9948	145.78						27.43		2.92	3.21		1.78	0.67	0.79			18.28			0.010	0.58	19.25	19.25
406+74.56	409+71.79	LT	297.23	8.00	0.9958	0.9903	2367.85		98.12		159.44		441.52		49.47	48.62		29.54	10.96	12.79						0.156	9.42	312.15	312.15
409+71.79	411+65.00	LT	193.21	8.00			1545.68		64.40		104.66		289.81		32.30	31.75		19.29	7.16	8.35						0.102	6.16	203.94	203.94
414+30.79	422+73.97	LT	843.18	10.00	1.0060	1.0073	8482.39		283.11		460.06		1274.00		175.85	170.84		105.40	39.27	45.82						0.542	32.72	1084.04	1084.04
422+73.97	423+07.25	LT	33.28	10.00			332.80		11.09		18.03		49.92		6.90	6.70		4.14	1.54	1.80						0.021	1.28	42.52	42.52
427+61.56	427+66.24	LT	4.68	8.00			37.44		1.56	2.34	2.54			7.80	0.99	0.96		0.59	0.17	0.26						0.003	0.17	5.74	5.74
427+66.24	428+19.00	LT	52.76	8.00	0.9926	0.9918	418.96		17.44	26.16	28.34			87.21	11.03	10.71		6.61	1.94	2.88						0.032	1.94	64.23	64.23
428+19.00	428+37.20	LT	18.20	8.00	0.9926	0.9918	144.52						27.08		2.90	3.18		1.77	0.67	0.78			18.05			0.010	0.58	19.07	19.07
428+37.20	430+06.94	LT	169.74	8.00	0.9926	0.9918	1347.87		56.12		91.19		252.52		28.17	27.69		16.82	6.24	7.28						0.089	5.37	177.82	177.82
430+06.94	431+06.94	LT	100.00	9.00	0.9936	0.9983	894.24		33.28		54.07		149.75		18.61	18.18		11.13	4.14	4.83						0.058	3.50	116.00	116.00
431+06.94	431+16.24	LT	9.30	10.00	0.9991	0.9926	92.92		3.08		5.00		13.85		1.93	1.87		1.15	0.43	0.50						0.006	0.36	11.86	11.86
431+16.24	448+03.37	LT	1687.13	10.00	0.9892	0.9873	16689.09		555.23		902.26		2498.56		345.95	336.05		207.37	77.26	90.14						1.066	64.36	2131.96	2131.96
448+03.37	449+75.83	LT	172.46	10.00	0.9925	0.9912	1711.67		56.98		92.59		256.41		35.48	34.47		21.27	7.92	9.25						0.109	6.60	218.68	218.68
449+75.83	450+57.03	LT	81.20	11.63	0.9923	0.9908	937.08		26.82		43.58		120.68		19.34	18.66		11.62	4.34	5.06						0.059	3.55	117.53	117.53
450+57.03	451+03.08	LT	46.05	13.25	0.9921	0.9904	605.34						68.41		12.14	12.48		7.40	2.80	3.27			45.61			0.037	2.26	74.86	74.86
TOTALS CARRIED TO PAVEMENT SUBSUMMARY															**5015**	**4676**		**3047**	**1150**	**1343**	**2070**		**82**		**396**	**15**	**844**	**27949**	**27949**

CALCULATED SRT

CHECKED CJC

PAVEMENT CALCULATIONS

SUM-77-24.12

STATION FROM	STATION TO	SIDE	LENGTH (L)	AVERAGE WIDTH (W)	CURVE CORRECTION RATIO	EDGE EXT. CURVE CORRECTION RATIO	SURFACE AREA (A=LxW)	CADD AREA	AREA FOR 4" EXTENSION	AREA FOR 6" EXTENSION	AREA FOR 6.5" EXTENSION	AREA FOR 18" EXTENSION	AREA FOR 20" EXTENSION	AREA FOR 33.75" EXTENSION	302 6.5" ASPHALT CONCRETE BASE, PG64-22 (449)	304 6" AGGREGATE BASE		407 NON-TRACKING TACK COAT (0.055 GAL/SY - 2 APPLICATIONS)	442 1 1/2" ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (447), PG70-22M	442 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, 12.5 MM, TYPE A (446)	442 ANTI-SEGREGATION EQUIPMENT		609 CURB, TYPE 4-C		204 SUBGRADE COMPACTION	204 PROOF ROLLING (1 HOUR/2000 SY)	206 CEMENT (0.75 X T X 115 X 0.05) LB/SY	206 CURING COAT	206 CEMENT STABILIZED SUBGRADE, 14" DEEP
			FT	FT			SF	SF	SF	SF	SF	SF	SF	SF	CY	CY		GAL	CY	CY	CY		FT		SY	HOUR	TON	SY	SY
		SOUTHBOUND I.R. 77 BL CONTD.																											
FULL DEPTH SHOULDER																													
399+00.00	399+75.00	RT	75.00	13.00			975.00					112.50			19.56	18.06		11.92	4.51	5.27					108.33	0.054			
399+75.00	401+25.26	RT	150.26	13.00			1953.38					225.39			39.19	36.17		23.87	9.04	10.55						0.121	7.31	242.09	242.09
401+25.26	402+33.30	RT	108.04		CADD		1482.05					162.06			29.73	27.45		18.11	6.86	8.00						0.091	5.51	182.68	182.68
402+33.30	403+49.00	RT	115.70	12.00	1.0047	1.0063	1394.93		38.81	58.21	63.07			327.46	36.50	34.86		22.00	6.46	9.62						0.105	6.31	209.16	209.16
403+49.00	403+67.03	RT	18.03	12.00	1.0047	1.0063	217.38					27.22			4.36	4.03		2.66	1.01	1.17			18.14			0.014	0.82	27.18	27.18
403+67.03	404+00.00	RT	32.97	12.00	1.0047	1.0063	397.50		11.06		17.97	49.77			8.20	7.90		4.93	1.84	2.15						0.025	1.50	49.70	49.70
404+00.00	404+40.00	RT	40.00	8.00	1.0042	1.0052	321.34		13.40		21.78	60.31			6.72	6.60		4.01	1.49	1.74						0.021	1.28	42.41	42.41
404+40.00	404+97.98	RT	57.98	4.00	1.0037	1.0042	232.78		19.41		31.54	87.34			5.06	5.25		2.96	1.08	1.26						0.018	1.07	35.57	35.57
404+97.98	405+86.61	RT	88.63	4.00	1.0037	1.0042	355.83		29.67	44.50	48.21		148.34		11.60	11.60		6.89	1.65	2.96						0.035	2.10	69.62	69.62
405+86.61	406+04.68	RT	18.07	4.00	1.0037	1.0042	72.55					27.22			1.46	1.34		0.89	0.34	0.39			18.15			0.006	0.33	11.09	11.09
406+04.68	409+71.79	RT	367.11	4.00	1.0068	1.0042	1478.43		122.88		199.69	552.98			32.13	33.35		18.82	6.84	7.99						0.113	6.81	225.71	225.71
409+71.79	414+27.45	RT	455.66	4.00			1822.64		151.89		246.82	683.49			39.61	41.14		23.20	8.44	9.84						0.139	8.41	278.46	278.46
414+27.45	422+73.97	RT	846.52	4.00	0.9963	0.9958	3373.55		280.99		456.61	1264.45			73.32	76.13		42.95	15.62	18.22						0.258	15.56	515.33	515.33
422+73.97	426+94.12	RT	420.15	4.00			1680.60		140.05		227.58	630.23			36.53	37.93		21.40	7.78	9.08						0.128	7.75	256.76	256.76
426+94.12	427+66.24	RT	72.12	4.00			288.48		24.04	36.06	39.06		120.20		9.40	9.40		5.58	1.34	2.40						0.028	1.70	56.43	56.43
427+66.24	427+83.11	RT	16.87	4.00	1.0026	1.0030	67.66		5.64	8.46	9.17		28.20		2.21	2.21		1.31	0.31	0.56						0.007	0.40	13.24	13.24
427+83.11	428+01.25	RT	18.14	4.00	1.0026	1.0030	72.75					27.29			1.46	1.35		0.89	0.34	0.39			18.19			0.006	0.34	11.12	11.12
428+01.25	431+16.24	RT	314.99	4.00	1.0026	1.0030	1263.24		105.31		171.13	473.90			27.46	28.51		16.08	5.85	6.82						0.097	5.83	193.02	193.02
431+16.24	448+03.37	RT	1687.13	4.00	1.0052	1.0060	6783.61		565.75		919.35	2545.88			147.44	153.12		86.37	31.41	36.64						0.518	31.29	1036.61	1036.61
448+03.37	448+60.00	RT	56.63	4.00	1.0036	1.0041	227.34		18.95		30.80	85.29			4.94	5.13		2.89	1.05	1.23						0.017	1.05	34.74	34.74
448+60.00	450+56.97	RT	196.97	7.94	1.0041	1.0052	6776.19		66.00		107.25	2543.85			137.27	175.80		83.22	31.37	36.60						0.518	31.26	1035.56	1035.56
450+56.97	450+74.50	RT	17.53	12.23	1.0047	1.0063	227.58					26.46			4.57	4.70		2.78	1.05	1.23			17.64			0.014	0.85	28.23	28.23
450+74.50	451+06.68	RT	32.18	12.58	1.0047	1.0064	1571.29					48.58			31.52	30.00		19.20	7.27	8.49			32.39			0.090	5.43	179.99	179.99
		NORTHBOUND I.R. 77 CL																											
FULL DEPTH LANES																													
657+69.45	658+90.97	RT	121.52	36.00	1.0123		4428.53								88.84	82.01		54.13	20.50	23.92	44.42					0.246	14.85	492.06	492.06
658+90.97	689+48.70	RT	3057.73	36.00			110078.28								2208.36	2038.49		1345.40	509.62	594.56	1104.18					6.115	369.22	12230.92	12230.92
689+48.70	689+68.80	STATION EQUATION																											
689+68.80	698+47.82	RT	879.02	36.00			31644.72								634.85	586.01		386.77	146.50	170.92	317.42					1.758	106.14	3516.08	3516.08
698+47.82	700+19.35	SUSPEND AND RESUME EXISTING BRIDGE TO REMAIN																											
700+19.35	743+50.00	RT	4330.65	36.00			155903.40								3127.69	2887.10		1905.49	721.78	842.07	1563.85					8.661	522.93	17322.60	17322.60
743+50.00	744+50.00	RT	100.00	36.00			3600.00								72.22	66.67		44.00	16.67	19.44	36.11				400.00	0.200			
744+50.00	771+17.81	RT	2667.81	36.00			96041.16								1926.75	1778.54		1173.84	444.64	518.74	963.38					5.336	322.14	10671.24	10671.24
771+17.81	773+02.02	SUSPEND AND RESUME EXISTING BRIDGE TO REMAIN																											
773+02.02	773+08.30	RT	6.28	36.00			226.08								4.54	4.19		2.76	1.05	1.22	2.27					0.013	0.76	25.12	25.12
773+08.30	774+00.00	RT	91.70	36.00	1.0011		3304.83								66.30	61.20		40.39	15.30	17.85	33.15					0.184	11.08	367.20	367.20
774+00.00	775+00.00	RT	100.00	42.00	1.0012		4205.04								84.36	77.87		51.39	19.47	22.71	42.18					0.234	14.10	467.23	467.23
775+00.00	780+07.89	RT	507.89	48.00	1.0013		24410.41								489.72	452.04		298.35	113.01	131.85	244.86					1.356	81.88	2712.27	2712.27
780+07.89	781+08.30	RT	100.41	36.00	1.0011		3618.74								72.60	67.01		44.23	16.75	19.55	36.30					0.201	12.14	402.08	402.08
781+08.30	781+06.64	STATION EQUATION																											
781+06.64	799+15.64	RT	1809.00	36.00			65124.00								1306.50	1206.00		795.96	301.50	351.75	653.25					3.618	218.44	7236.00	7236.00
799+15.64	801+50.00	RT	234.36	69.35			16252.87								326.06	300.98		198.65	75.24	87.79	163.03					0.903	54.51	1805.87	1805.87
801+50.00	802+75.00	RT	125.00	65.75			8218.75								164.88	152.20		100.45	38.05	44.39	82.44				913.19	0.457			
802+75.00	817+00.00	RT	1425.00	50.25			71606.25								1436.55	1326.04		875.19	331.51	386.76	718.27					3.978	240.18	7956.25	7956.25
817+00.00	819+75.00	RT	275.00	36.00			9900.00								198.61	183.33		121.00	45.83	53.47	99.30					0.550	33.21	1100.00	1100.00
819+75.00	820+75.00	RT	100.00	36.00			3600.00								72.22	66.67		44.00	16.67	19.44	36.11				400.00	0.200			
820+75.00	842+00.00	RT	2125.00	36.00			76500.00								1534.72	1416.67		935.00	354.17	413.19	767.36					4.250	256.59	8500.00	8500.00
TOTALS CARRIED TO PAVEMENT SUBSUMMARY															**14527**	**13506**		**8840**	**3342**	**3903**	**6908**		**105**		**1822**	**41**	**2402**	**79540**	**79540**

CALCULATED SRT
CHECKED CJC

PAVEMENT CALCULATIONS

SUM-77-24.12

STATION		SIDE	LENGTH (L)	AVERAGE WIDTH (W)	CURVE CORRECTION RATIO	EDGE EXT. CURVE CORRECTION RATIO	SURFACE AREA (A=LxW)	CADD AREA	AREA FOR 4" EXTENSION	AREA FOR 6" EXTENSION	AREA FOR 6.5" EXTENSION	AREA FOR 12" EXTENSION	AREA FOR 18" EXTENSION	AREA FOR 20" EXTENSION	302 6.5" ASPHALT CONCRETE BASE, PG64-22 (449)	304 6" AGGREGATE BASE		407 NON-TRACKING TACK COAT (0.055 GAL/SY - 2 APPLICATIONS)	442 1 1/2" ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (447), PG70-22M	442 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, 12.5 MM, TYPE A (446)			609 CURB, TYPE 4-C		204 SUBGRADE COMPACTION	204 PROOF ROLLING (1 HOUR/2000 SY)	206 CEMENT (0.75 X T X 115 X 0.05) LB/SY	206 CURING COAT	206 CEMENT STABILIZED SUBGRADE, 14" DEEP
FROM	TO		FT	FT			SF	SF	SF	SF	SF	SF	SF	SF	CY	CY		GAL	CY	CY			FT		SY	HOUR	TON	SY	SY
		NORTHBOUND I.R. 77 CL CONTD.																											
FULL DEPTH SHOULDER																													
657+71.01	657+75.70	RT/IN	4.69	13.97	1.0059	1.0041	65.91		1.57		2.55		7.06		1.35	1.30		0.82	0.31	0.36						0.004	0.24	8.11	8.11
657+75.70	658+90.97	RT/IN	115.27	11.67	1.0062	1.0047	1353.54		38.60		62.73		173.72		27.93	26.94		16.78	6.27	7.31						0.085	5.12	169.70	169.70
658+90.97	660+25.00	RT/IN	134.03	6.68			895.32		44.68		72.60		201.04		18.86	18.75		11.22	4.15	4.84						0.061	3.68	121.82	121.82
660+25.00	664+11.42	RT/IN	386.42	4.00			1545.68		128.81		209.31		579.63		33.59	34.89		19.68	7.16	8.35						0.118	7.13	236.15	236.15
664+11.42	666+11.42	RT/IN	200.00	8.00			1600.00		66.67		108.33		300.00		33.44	32.87		19.96	7.41	8.64						0.106	6.37	211.11	211.11
666+72.48	689+48.70	RT/IN	2276.22	4.00			9104.88		758.74		1232.95		3414.33		197.88	205.49		115.92	42.15	49.18						0.696	41.99	1391.02	1391.02
689+48.70	689+68.80	STATION EQUATION																											
689+68.80	697+75.00	RT/IN	806.20	4.00			3224.80		268.73		436.69		1209.30		70.09	72.78		41.06	14.93	17.42						0.246	14.87	492.68	492.68
697+75.00	698+25.24	RT/IN	50.24	9.03			453.67		16.75		27.21		75.36		9.44	9.22		5.65	2.10	2.45						0.029	1.77	58.78	58.78
698+25.24	698+48.03	RT/IN	22.79	14.05			320.20		7.60		12.34		34.18		6.58	6.30		3.96	1.48	1.73						0.020	1.19	39.38	39.38
698+48.03	700+19.43	SUSPEND AND RESUME EXISTING BRIDGE TO REMAIN																											
700+19.43	700+24.43	RT/IN	5.00	13.22			66.10		1.67		2.71		7.50		1.36	1.31		0.82	0.31	0.36						0.004	0.25	8.18	8.18
700+24.43	702+55.00	RT/IN	230.57	8.61			1985.21		76.86		124.89		345.86		41.37	40.50		24.73	9.19	10.72						0.130	7.82	259.01	259.01
702+55.00	743+50.00	RT/IN	4095.00	4.00			16380.00		1365.00		2218.13		6142.50		356.00	369.69		208.54	75.83	88.47						1.251	75.54	2502.50	2502.50
743+50.00	744+50.00	RT/IN	100.00	4.00			400.00		33.33		54.17		150.00		8.69	9.03		5.09	1.85	2.16					61.11	0.031			
744+50.00	751+97.42	RT/IN	747.42	4.00			2989.68		249.14		404.85		1121.13		64.98	67.48		38.06	13.84	16.15						0.228	13.79	456.76	456.76
751+97.42	753+97.42	RT/IN	200.00	8.00			1600.00		66.67		108.33		300.00		33.44	32.87		19.96	7.41	8.64						0.106	6.37	211.11	211.11
754+58.45	770+40.00	RT/IN	1581.55	4.00			6326.20		527.18		856.67		2372.33		137.49	142.78		80.54	29.29	34.17						0.483	29.18	966.50	966.50
770+40.00	770+78.90	RT/IN	38.90	7.89			306.92		12.97		21.07		58.35		6.42	6.31		3.83	1.42	1.66						0.020	1.23	40.59	40.59
770+78.90	771+17.72	RT/IN	38.82	11.78			457.30		12.94		21.03		58.23		9.43	9.10		5.67	2.12	2.47						0.029	1.73	57.28	57.28
771+17.72	773+01.68	SUSPEND AND RESUME EXISTING BRIDGE TO REMAIN																											
773+01.68	773+04.05	RT/IN	2.37	11.84			28.06		0.79		1.28		3.56		0.58	0.56		0.35	0.13	0.15						0.002	0.11	3.51	3.51
773+04.05	773+08.30	RT/IN	4.25	11.75			49.94		1.42		2.30		6.38		1.03	0.99		0.62	0.23	0.27						0.003	0.19	6.26	6.26
773+08.30	775+00.00	RT/IN	191.70	7.83	1.0006	1.0005	1501.91		63.93		103.89		287.69		31.41	30.92		18.75	6.95	8.11						0.099	6.00	198.84	198.84
775+00.00	781+08.30	RT/IN	608.30	4.00	1.0007	1.0006	2434.90		202.89		329.69		913.00		52.92	54.95		31.00	11.27	13.15						0.186	11.23	371.99	371.99
781+08.30	781+06.64	STATION EQUATION																											
781+06.64	801+50.00	RT/IN	2043.36	4.00			8173.44		681.12		1106.82		3065.04		177.64	184.47		104.06	37.84	44.15						0.624	37.70	1248.72	1248.72
801+50.00	802+75.00	RT/IN	125.00	4.00			500.00		41.67		67.71		187.50		10.87	11.28		6.37	2.31	2.70					76.39	0.038			
802+75.00	819+75.00	RT/IN	1700.00	4.00			6800.00		566.67		920.83		2550.00		147.79	153.47		86.57	31.48	36.73						0.519	31.36	1038.89	1038.89
819+75.00	820+75.00	RT/IN	100.00	4.00			400.00		33.33		54.17		150.00		8.69	9.03		5.09	1.85	2.16					61.11	0.031			
820+75.00	836+86.42	RT/IN	1611.42	4.00			6445.68		537.14		872.85		2417.13		140.09	145.48		82.06	29.84	34.81						0.492	29.73	984.76	984.76
836+86.42	838+86.42	RT/IN	200.00	8.00			1600.00		66.67		108.33		300.00		33.44	32.87		19.96	7.41	8.64						0.106	6.37	211.11	211.11
839+47.46	842+00.00	RT/IN	252.54	4.00			1010.16		84.18		136.79		378.81		21.95	22.80		12.86	4.68	5.46						0.077	4.66	154.33	154.33
657+68.18	657+74.40	RT/OUT	6.22	12.02	1.0184	1.0200	76.14		2.11		3.44		9.52		1.57	1.51		0.94	0.35	0.41						0.005	0.29	9.52	9.52
657+74.40	658+25.00	RT/OUT	50.60	11.01	1.0183	1.0197	567.30		17.20		27.95		77.40		11.73	11.34		7.04	2.63	3.06						0.036	2.16	71.63	71.63
658+25.00	658+90.97	RT/OUT	65.97	10.00			659.70		21.99		35.73		98.96		13.68	13.29		8.20	3.05	3.56						0.042	2.54	84.30	84.30
658+90.97	678+15.85	RT/OUT	1924.88	10.00			19248.80		641.63		1042.64		2887.32		399.04	387.65		239.18	89.11	103.97						1.230	74.25	2459.57	2459.57
678+15.85	678+34.00	RT/OUT	18.15	10.00			181.50						27.22		3.64	3.87		2.22	0.84	0.98			18.15			0.012	0.70	23.19	23.19
678+34.00	679+03.00	RT/OUT	69.00	10.00			690.00		23.00	34.50	37.38			115.00	17.30	16.66		10.40	3.19	4.53						0.050	3.02	99.99	99.99
679+03.00	689+48.70	RT/OUT	1045.70	10.00			10457.00		348.57		566.42		1568.55		216.78	210.59		129.94	48.41	56.48						0.668	40.34	1336.17	1336.17
689+48.70	689+68.80	STATION EQUATION																											
689+68.80	698+15.00	RT/OUT	846.20	10.00			8462.00		282.07		458.36		1269.30		175.42	170.42		105.15	39.18	45.71						0.541	32.64	1081.26	1081.26
698+15.00	698+22.43	RT/OUT	7.43	10.75			79.87		2.48		4.02		11.14		1.65	1.60		0.99	0.37	0.43						0.005	0.31	10.11	10.11
698+22.43	698+41.65	RT/OUT	19.22	11.49			220.84		6.41		10.41		28.83		4.56	4.40		2.74	1.02	1.19						0.014	0.84	27.74	27.74
698+41.65	698+47.80	RT/OUT	6.15	11.49			70.66						9.23		1.42	1.48		0.86	0.33	0.38			6.15			0.004	0.27	8.88	8.88
TOTALS CARRIED TO PAVEMENT SUBSUMMARY															2532	2558		1498	550	643			25		199	9	503	16662	16662

CALCULATED SRT
CHECKED ACC

PAVEMENT CALCULATIONS

SUM-77-24.12

STATION FROM	STATION TO	SIDE	LENGTH (L)	AVERAGE WIDTH (W)	CURVE CORRECTION RATIO	EDGE EXT. CURVE CORRECTION RATIO	SURFACE AREA (A=LxW)	CADD AREA	AREA FOR 4" EXTENSION	AREA FOR 6" EXTENSION	AREA FOR 6.5" EXTENSION	AREA FOR 12" EXTENSION	AREA FOR 18" EXTENSION	AREA FOR 20" EXTENSION	302 6.5" ASPHALT CONCRETE BASE, PG64-22 (449)	304 6" AGGREGATE BASE		407 NON-TRACKING TACK COAT (0.055 GAL/SY - 2 APPLICATIONS)	442 1 1/2" ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (447), PG70-22M	442 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, 12.5 MM, TYPE A (446)	442 ANTI-SEGREGATION EQUIPMENT		609 CURB, TYPE 4-C		204 SUBGRADE COMPACTION	204 PROOF ROLLING (1 HOUR/2000 SY)	206 CEMENT (0.75 X T X 115 X 0.05) LB/SY	206 CURING COAT	206 CEMENT STABILIZED SUBGRADE, 14" DEEP
			FT	FT			SF	SF	SF	SF	SF	SF	SF	SF	CY	CY		GAL	CY	CY	CY		FT		SY	HOUR	TON	SY	SY
		NORTHBOUND I.R. 77 CL CONTD.																											
FULL DEPTH SHOULDER																													
700+19.27	700+24.25	RT/OUT	4.98	11.63			57.92		1.66		2.70		7.47		1.20	1.15		0.72	0.27	0.31						0.004	0.22	7.27	7.27
700+24.25	700+65.00	RT/OUT	40.75	10.82			440.92		13.58		22.07		61.13		9.12	8.83		5.47	2.04	2.38						0.028	1.68	55.78	55.78
700+65.00	722+57.85	RT/OUT	2192.85	10.00			21928.50		730.95		1187.79		3289.28		454.59	441.62		272.48	101.52	118.44						1.401	84.58	2801.98	2801.98
722+57.85	722+76.00	RT/OUT	18.15	10.00			181.50						27.22		3.64	3.87		2.22	0.84	0.98			18.15			0.012	0.70	23.19	23.19
722+76.00	723+45.00	RT/OUT	69.00	10.00			690.00		23.00	34.50	37.38			115.00	17.30	16.66		10.40	3.19	4.53						0.050	3.02	99.99	99.99
723+45.00	743+50.00	RT/OUT	2005.00	10.00			20050.00		668.33		1086.04		3007.50		415.65	403.78		249.14	92.82	108.29						1.281	77.34	2561.94	2561.94
743+50.00	744+50.00	RT/OUT	100.00	10.00			1000.00		33.33		54.17		150.00		20.73	20.14		12.43	4.63	5.40					127.78	0.064			
744+50.00	770+60.00	RT/OUT	2610.00	10.00			26100.00		870.00		1413.75		3915.00		541.06	525.63		324.32	120.83	140.97						1.668	100.68	3335.00	3335.00
770+60.00	770+78.87	RT/OUT	18.87	11.89			224.36		6.29		10.22		28.30		4.63	4.46		2.78	1.04	1.21						0.014	0.85	28.07	28.07
770+78.87	771+05.03	RT/OUT	26.16	13.77			360.22		8.72		14.17		39.24		7.40	7.09		4.46	1.67	1.95						0.022	1.34	44.38	44.38
771+05.03	771+17.93	RT/OUT	12.90	13.77			177.63						19.35		3.56	3.65		2.17	0.82	0.96			12.90			0.011	0.66	21.89	21.89
771+17.93	773+02.26	SUSPEND AND RESUME EXISTING BRIDGE TO REMAIN																											
773+02.26	773+03.89	RT/OUT	1.63	14.01			22.84		0.54		0.88		2.45		0.47	0.45		0.28	0.11	0.12						0.001	0.08	2.81	2.81
773+03.89	773+08.30	RT/OUT	4.41	14.01	1.0017	1.0019	61.89		1.47		2.39		6.63		1.27	1.22		0.77	0.29	0.33						0.004	0.23	7.61	7.61
773+08.30	774+00.00	RT/OUT	91.70	14.01	1.0017	1.0019	1286.90		30.62		49.77		137.81		26.43	25.32		15.92	5.96	6.95						0.079	4.78	158.30	158.30
774+00.00	775+00.00	RT/OUT	100.00	11.01	1.0017	1.0018	1102.87		33.39		54.26		150.27		22.80	22.05		13.68	5.11	5.96						0.070	4.20	139.24	139.24
775+00.00	780+07.89	RT/OUT	507.89	8.00	1.0016	1.0017	4069.62		169.58		275.57		763.13		85.05	83.61		50.78	18.84	21.98						0.268	16.21	536.97	536.97
784+52.50	798+04.12	RT/OUT	1351.62	10.00			13516.20		450.54		732.13		2027.43		280.20	272.20		167.95	62.58	73.00						0.864	52.14	1727.07	1727.07
799+15.64	801+50.00	RT/OUT	234.36	8.00			1874.88		78.12		126.95		351.54		39.18	38.52		23.39	8.68	10.13						0.124	7.47	247.38	247.38
801+50.00	802+75.00	RT/OUT	125.00	8.00			1000.00		41.67		67.71		187.50		20.90	20.54		12.48	4.63	5.40					131.94	0.066			
802+75.00	816+00.00	RT/OUT	1325.00	8.00			10600.00		441.67		717.71		1987.50		221.51	217.77		132.25	49.07	57.25						0.699	42.22	1398.61	1398.61
816+00.00	817+00.00	RT/OUT	100.00	9.00			900.00		33.33		54.17		150.00		18.72	18.29		11.20	4.17	4.86						0.058	3.52	116.67	116.67
817+00.00	819+75.00	RT/OUT	275.00	10.00			2750.00		91.67		148.96		412.50		57.01	55.38		34.17	12.73	14.85						0.176	10.61	351.39	351.39
819+75.00	820+17.85	RT/OUT	42.85	10.00			428.50		14.28		23.21		64.28		8.88	8.63		5.32	1.98	2.31					54.75	0.027			
820+17.85	820+36.00	RT/OUT	18.15	10.00			181.50		6.05		9.83		27.22		3.76	3.66		2.26	0.84	0.98			18.15		23.19	0.012			
820+36.00	820+75.00	RT/OUT	39.00	10.00			390.00		13.00		21.13		58.50		8.08	8.94		4.85	1.81	2.11					49.83	0.025			
820+75.00	821+05.00	RT/OUT	30.00	10.00			300.00		10.00	15.00	16.25			50.00	7.52	7.25		4.52	1.39	1.97						0.022	1.31	43.47	43.47
821+05.00	842+00.00	RT/OUT	2095.00	10.00			20950.00		698.33		1134.79		3142.50		434.30	421.91		260.32	96.99	113.16						1.338	80.81	2676.94	2676.94
		SOUTHBOUND I.R. 77 CL																											
FULL DEPTH LANES																													
657+77.97	658+90.97	LT	113.00	36.00	0.9876		4017.56								80.60	74.40		49.10	18.60	21.70	40.30					0.223	13.48	446.40	446.40
658+90.97	689+48.70	LT	3057.73	36.00			110078.28								2208.36	2038.49		1345.40	509.62	594.56	1104.18					6.115	369.22	12230.92	12230.92
689+48.70	689+68.80	STATION EQUATION																											
689+68.80	698+45.45	LT	876.65	36.00			31559.40								633.14	584.43		385.73	146.11	170.46	316.57					1.753	105.86	3506.60	3506.60
698+45.45	700+16.92	SUSPEND AND RESUME EXISTING BRIDGE TO REMAIN																											
700+16.92	743+50.00	LT	4333.08	36.00			155990.88								3129.45	2888.72		1906.56	722.18	842.54	1564.72					8.666	523.22	17332.32	17332.32
743+50.00	744+50.00	LT	100.00	36.00			3600.00								72.22	66.67		44.00	16.67	19.44	36.11				400.00	0.200			
744+50.00	771+14.97	LT	2664.97	36.00			95938.92								1924.70	1776.65		1172.59	444.16	518.19	962.35					5.330	321.80	10659.88	10659.88
771+14.97	772+99.16	SUSPEND AND RESUME EXISTING BRIDGE TO REMAIN																											
772+99.16	773+08.30	LT	9.14	37.67			344.30								6.91	6.38		4.21	1.59	1.86	3.45					0.019	1.15	38.26	38.26
773+08.30	781+08.30	LT	800.00	45.77	0.9988		36572.06								733.70	677.26		446.99	169.32	197.53	366.85					2.032	122.67	4063.56	4063.56
781+08.30	781+06.64	STATION EQUATION																											
781+06.64	789+94.24	LT	887.60	62.64			55599.26								1115.42	1029.62		679.55	257.40	300.30	557.70					3.089	186.49	6177.70	6177.70
TOTALS CARRIED TO PAVEMENT SUBSUMMARY															**12620**	**11786**		**7661**	**2891**	**3374**	**4953**		**50**		**788**	**36**	**2139**	**70842**	**70842**

CALCULATED SRT
CHECKED CJC

PAVEMENT CALCULATIONS

SUM-77-24.12

STATION FROM	STATION TO	SIDE	LENGTH (L)	AVERAGE WIDTH (W)	CURVE CORRECTION RATIO	EDGE EXT. CURVE CORRECTION RATIO	SURFACE AREA (A=LxW)	CADD AREA	AREA FOR 4" EXTENSION	AREA FOR 6" EXTENSION	AREA FOR 6.5" EXTENSION	AREA FOR 12" EXTENSION	AREA FOR 18" EXTENSION	AREA FOR 20" EXTENSION	302 6.5" ASPHALT CONCRETE BASE, PG64-22 (449)	304 6" AGGREGATE BASE		407 NON-TRACKING TACK COAT (0.055 GAL/SY - 2 APPLICATIONS)	442 1 1/2" ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (447), PG70-22M	442 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, 12.5 MM, TYPE A (446)	442 ANTI-SEGREGATION EQUIPMENT		609 CURB, TYPE 4-C		204 SUBGRADE COMPACTION	204 PROOF ROLLING (1 HOUR/2000 SY)	206 CEMENT (0.75 X T X 115 X 0.05) LB/SY	206 CURING COAT	206 CEMENT STABILIZED SUBGRADE, 14" DEEP
			FT	FT			SF	SF	SF	SF	SF	SF	SF	SF	CY	CY		GAL	CY	CY	CY		FT		SY	HOUR	TON	SY	SY
		SOUTHBOUND I.R. 77 CL CONTD.																											
FULL DEPTH LANES																													
789+94.24	801+50.00	LT	1155.76	36.00			41607.36								834.72	770.51		508.53	192.63	224.73	417.36					2.312	139.56	4623.04	4623.04
801+50.00	802+75.00	LT	125.00	36.00			4500.00								90.28	83.33		55.00	20.83	24.31	45.14				500.00	0.250			
802+75.00	809+21.63	LT	646.63	36.00			23278.68								467.01	431.09		284.52	107.77	125.73	233.50					1.293	78.08	2586.52	2586.52
809+21.63	814+25.00	LT	503.37	48.00			24161.76								484.73	447.44		295.31	111.86	130.50	242.36					1.342	81.04	2684.64	2684.64
814+25.00	815+25.00	LT	100.00	42.00			4200.00								84.26	77.78		51.33	19.44	22.69	42.13					0.233	14.09	466.67	466.67
815+25.00	819+75.00	LT	450.00	36.00			16200.00								325.00	300.00		198.00	75.00	87.50	162.50					0.900	54.34	1800.00	1800.00
819+75.00	820+75.00	LT	100.00	36.00			3600.00								72.22	66.67		44.00	16.67	19.44	36.11				400.00	0.200			
820+75.00	842+00.00	LT	2125.00	36.00			76500.00								1534.72	1416.67		935.00	354.17	413.19	767.36					4.250	256.59	8500.00	8500.00
FULL DEPTH SHOULDER																													
657+79.57	658+23.10	LT/OUT	43.53	12.38	0.9815	0.9799	528.93		14.22		23.10		63.98		10.90	10.49		6.55	2.45	2.86						0.033	1.99	65.88	65.88
658+23.10	658+35.00	LT/OUT	11.90	11.19	0.9817	0.9802	130.72		3.89		6.32		17.50		2.70	2.61		1.62	0.61	0.71						0.008	0.50	16.47	16.47
658+35.00	658+90.97	LT/OUT	55.97	10.00	0.9818	0.9805	549.51		18.29		29.73		82.32		11.39	11.07		6.83	2.54	2.97						0.035	2.12	70.20	70.20
658+90.97	678+90.00	LT/OUT	1999.03	10.00			19990.30		666.34		1082.81		2998.55		414.41	402.58		248.40	92.55	107.97						1.277	77.11	2554.32	2554.32
678+90.00	679+58.00	LT/OUT	68.00	10.00			680.00		22.67	34.00	36.83			113.33	17.05	16.42		10.25	3.15	4.47						0.049	2.97	98.54	98.54
679+58.00	679+76.15	LT/OUT	18.15	10.00			181.50						27.22		3.64	3.87		2.22	0.84	0.98			18.15			0.012	0.70	23.19	23.19
679+76.15	689+48.70	LT/OUT	972.55	10.00			9725.50		324.18		526.80		1458.83		201.61	195.86		120.85	45.03	52.53						0.621	37.51	1242.70	1242.70
689+68.80	697+90.00	LT/OUT	821.20	10.00			8212.00		273.73		444.82		1231.80		170.24	165.38		102.04	38.02	44.35						0.525	31.68	1049.31	1049.31
697+90.00	698+43.03	LT/OUT	53.03	11.06			586.51		17.68		28.72		79.54		12.12	11.72		7.28	2.72	3.17						0.037	2.23	74.01	74.01
698+43.03	698+44.05	LT/OUT	1.02	12.12			12.36		0.34		0.55		1.53		0.25	0.25		0.15	0.06	0.07						0.001	0.05	1.54	1.54
698+44.05	698+45.61	LT/OUT	1.56	12.12			18.91		0.52		0.84		2.34		0.39	0.38		0.23	0.09	0.10						0.001	0.07	2.36	2.36
700+16.98	700+43.05	LT/OUT	26.07	12.08			314.93		8.69		14.12		39.11		6.49	6.25		3.90	1.46	1.70						0.020	1.19	39.34	39.34
700+43.05	700+95.00	LT/OUT	51.95	11.04			573.53		17.32		28.14		77.92		11.85	11.46		7.12	2.66	3.10						0.036	2.18	72.38	72.38
700+95.00	723+04.00	LT/OUT	2209.00	10.00			22090.00		736.33		1196.54		3313.50		457.94	444.87		274.49	102.27	119.31						1.411	85.21	2822.61	2822.61
723+04.00	723+72.00	LT/OUT	68.00	10.00			680.00		22.67	34.00	36.83			113.33	17.05	16.42		10.25	3.15	4.47						0.049	2.97	98.54	98.54
723+72.00	723+90.15	LT/OUT	18.15	10.00			181.50						27.22		3.64	3.87		2.22	0.84	0.98			18.15			0.012	0.70	23.19	23.19
723+90.15	743+50.00	LT/OUT	1959.85	10.00			19598.50		653.28		1061.59		2939.78		406.29	394.69		243.53	90.73	105.86						1.252	75.60	2504.25	2504.25
743+50.00	744+50.00	LT/OUT	100.00	10.00			1000.00		33.33		54.17		150.00		20.73	20.14		12.43	4.63	5.40					127.78	0.064			
744+50.00	770+10.00	LT/OUT	2560.00	10.00			25600.00		853.33		1386.67		3840.00		530.70	515.56		318.10	118.52	138.27						1.636	98.75	3271.11	3271.11
770+10.00	771+11.47	LT/OUT	101.47	12.03			1220.68		33.82		54.96		152.21		25.17	24.25		15.13	5.65	6.59						0.076	4.60	152.54	152.54
771+11.47	771+13.28	LT/OUT	1.81	14.06			25.45		0.60		0.98		2.71		0.52	0.50		0.31	0.12	0.14						0.002	0.09	3.13	3.13
771+13.28	771+15.03	LT/OUT	1.75	14.06			24.61						2.63		0.49	0.50		0.30	0.11	0.13			1.75			0.002	0.09	3.03	3.03
772+99.11	773+00.00	LT/OUT	0.89	12.50			11.12						1.33		0.22	0.23		0.14	0.05	0.06			0.89			0.001	0.04	1.38	1.38
773+00.00	773+08.30	LT/OUT	8.30	12.42			103.09						12.45		2.07	2.14		1.26	0.48	0.56			8.30			0.006	0.39	12.84	12.84
773+08.30	773+12.02	LT/OUT	3.72	12.30	0.9983	0.9982	45.68						5.57		0.92	0.95		0.56	0.21	0.25			3.71			0.003	0.17	5.69	5.69
773+12.02	773+35.00	LT/OUT	22.98	12.03	0.9983	0.9982	275.98		7.65		12.43		34.41		5.69	5.48		3.42	1.28	1.49						0.017	1.04	34.49	34.49
773+35.00	773+54.00	LT/OUT	19.00	9.90	0.9983	0.9982	187.78		6.32		10.27		28.45		3.89	3.78		2.33	0.87	1.01						0.012	0.73	24.03	24.03
773+54.00	781+08.30	LT/OUT	754.30	8.00	0.9984	0.9983	6024.74		251.01		407.88		1129.53		125.90	123.77		75.17	27.89	32.54						0.397	24.00	794.92	794.92
781+06.64	789+94.24	LT/OUT	887.60	8.00			7100.80		295.87		480.78		1331.40		148.39	145.88		88.60	32.87	38.35						0.468	28.28	936.91	936.91
791+09.16	801+50.00	LT/OUT	1040.84	10.00			10408.40		346.95		563.79		1561.26		215.77	209.61		129.33	48.19	56.22						0.665	40.15	1329.96	1329.96
801+50.00	802+75.00	LT/OUT	125.00	10.00			1250.00		41.67		67.71		187.50		25.91	25.17		15.53	5.79	6.75					159.72	0.080			
802+75.00	804+67.26	LT/OUT	192.26	10.00			1922.60		64.09		104.14		288.39		39.86	38.72		23.89	8.90	10.38						0.123	7.42	245.67	245.67
TOTALS CARRIED TO PAVEMENT SUBSUMMARY															**6788**	**6409**		**4107**	**1544**	**1802**	**1947**		**51**		**1188**	**20**	**1155**	**38236**	**38236**

CALCULATED SRT

CHECKED CJC

PAVEMENT CALCULATIONS

SUM-77-24.12

STATION FROM	STATION TO	SIDE	LENGTH (L)	AVERAGE WIDTH (W)	CURVE CORRECTION RATIO	EDGE EXT. CURVE CORRECTION RATIO	SURFACE AREA (A=LxW)	CADD AREA	AREA FOR 4" EXTENSION	AREA FOR 6" EXTENSION	AREA FOR 6.5" EXTENSION	AREA FOR 12" EXTENSION	AREA FOR 18" EXTENSION	AREA FOR 20" EXTENSION	302 6.5" ASPHALT CONCRETE BASE, PG64-22 (449)	304 6" AGGREGATE BASE		407 NON-TRACKING TACK COAT (0.055 GAL/SY - 2 APPLICATIONS)	442 1 1/2" ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (447), PG70-22M	442 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, 12.5 MM, TYPE A (446)			609 CURB, TYPE 4-C		204 SUBGRADE COMPACTION	204 PROOF ROLLING (1 HOUR/2000 SY)	206 CEMENT (0.75 X T X 115 X 0.05) LB/SY	206 CURING COAT	206 CEMENT STABILIZED SUBGRADE, 14" DEEP
			FT	FT			SF	SF	SF	SF	SF	SF	SF	SF	CY	CY		GAL	CY	CY			FT		SY	HOUR	TON	SY	SY
		SOUTHBOUND I.R. 77 CL CONTD.																											
FULL DEPTH SHOULDER																													
809+21.63	814+25.00	LT/OUT	503.37	8.00			4026.96		167.79		272.66		755.05		84.15	82.73		50.24	18.64	21.75						0.266	16.04	531.33	531.33
814+25.00	815+25.00	LT/OUT	100.00	9.00			900.00		33.33		54.17		150.00		18.72	18.29		11.20	4.17	4.86						0.058	3.52	116.67	116.67
815+25.00	819+75.00	LT/OUT	450.00	10.00			4500.00		150.00		243.75		675.00		93.29	90.63		55.92	20.83	24.31						0.288	17.36	575.00	575.00
819+75.00	820+66.00	LT/OUT	91.00	10.00			910.00		30.33		49.29		136.50		18.86	18.33		11.31	4.21	4.92					116.28	0.058			
820+66.00	820+75.00	LT/OUT	9.00	10.00			90.00		3.00	4.50	4.88			15.00	1.87	1.81		1.12	0.42	0.49					10.00	0.005			
820+75.00	821+34.00	LT/OUT	59.00	10.00			590.00		19.67	29.50	31.96			98.33	12.23	11.88		7.33	2.73	3.88						0.043	2.58	85.50	85.50
821+34.00	821+52.15	LT/OUT	18.15	10.00			181.50						27.22		3.64	3.36		2.22	0.84	0.98			18.15			0.012	0.70	23.19	23.19
821+52.15	842+00.00	LT/OUT	2047.85	10.00			20478.50		682.62		1109.25		3071.78		424.53	412.41		254.46	94.81	110.61						1.308	78.99	2616.70	2616.70
657+76.35	658+22.72	LT/IN	46.37	13.46	0.9940	0.9958	620.40		15.39		25.01		69.26		12.76	12.24		7.68	2.87	3.35						0.038	2.31	76.63	76.63
658+22.72	658+70.00	LT/IN	47.28	8.73	0.9934	0.9946	410.03		15.67		25.47		70.54		8.54	8.36		5.11	1.90	2.21						0.027	1.61	53.40	53.40
658+70.00	658+90.97	LT/IN	20.97	4.00	0.9928	0.9933	83.28		6.94		11.28		31.24		1.81	1.88		1.06	0.39	0.45						0.006	0.38	12.72	12.72
658+90.97	666+27.52	LT/IN	736.55	4.00			2946.20		245.52		398.96		1104.83		64.03	66.49		37.51	13.64	15.91						0.225	13.59	450.11	450.11
666+88.58	668+88.58	LT/IN	200.00	8.00			1600.00		66.67		108.33		300.00		33.44	32.87		19.96	7.41	8.64						0.106	6.37	211.11	211.11
668+88.58	689+48.70	LT/IN	2060.12	4.00			8240.48		686.71		1115.90		3090.18		179.09	185.98		104.91	38.15	44.51						0.629	38.00	1258.96	1258.96
689+68.80	695+80.00	LT/IN	611.20	4.00			2444.80		203.73		331.07		916.80		53.13	55.18		31.13	11.32	13.20						0.187	11.28	373.51	373.51
695+80.00	698+44.63	LT/IN	264.63	9.30			2459.74		88.21		143.34		396.95		51.12	49.84		30.60	11.39	13.29						0.159	9.58	317.41	317.41
698+44.63	698+45.30	LT/IN	0.67	14.59			9.77		0.22		0.36		1.00		0.20	0.19		0.12	0.05	0.05						0.001	0.04	1.20	1.20
700+16.87	700+39.69	LT/IN	22.82	13.06			298.03		7.61		12.36		34.23		6.13	5.89		3.69	1.38	1.61						0.018	1.11	36.92	36.92
700+39.69	700+85.00	LT/IN	45.31	8.53			386.49		15.10		24.54		67.96		8.06	7.89		4.82	1.79	2.09						0.025	1.52	50.49	50.49
700+85.00	743+50.00	LT/IN	4265.00	4.00			17060.00		1421.67		2310.21		6397.50		370.77	385.03		217.20	78.98	92.15						1.303	78.68	2606.39	2606.39
743+50.00	744+50.00	LT/IN	100.00	4.00			400.00		33.33		54.17		150.00		8.69	9.03		5.09	1.85	2.16					61.11	0.031			
744+50.00	754+13.52	LT/IN	963.52	4.00			3854.08		321.17		521.91		1445.28		83.76	86.98		49.07	17.84	20.82						0.294	17.78	588.82	588.82
754+74.58	756+74.58	LT/IN	200.00	8.00			1600.00		66.67		108.33		300.00		33.44	32.87		19.96	7.41	8.64						0.106	6.37	211.11	211.11
756+74.58	769+20.00	LT/IN	1245.42	4.00			4981.68		415.14		674.60		1868.13		108.27	112.43		63.42	23.06	26.91						0.381	22.98	761.09	761.09
769+20.00	771+12.53	LT/IN	192.53	7.85			1511.36		64.18		104.29		288.79		31.61	31.11		18.86	7.00	8.16						0.100	6.04	200.02	200.02
771+12.53	771+14.92	LT/IN	2.39	11.70			27.96		0.80		1.29		3.58		0.58	0.56		0.35	0.13	0.15						0.002	0.11	3.50	3.50
772+99.21	773+08.30	LT/IN	9.09	11.95			108.63		3.03		4.92		13.63		2.24	2.16		1.35	0.50	0.59						0.007	0.41	13.58	13.58
773+08.30	773+35.25	LT/IN	26.95	11.95	0.9994	0.9996	321.86		8.98		14.59		40.41		6.64	6.40		3.99	1.49	1.74						0.020	1.22	40.25	40.25
773+35.25	773+75.00	LT/IN	39.75	7.98	0.9994	0.9995	316.82		13.24		21.52		59.60		6.62	6.51		3.95	1.47	1.71						0.021	1.26	41.82	41.82
773+75.00	781+08.30	LT/IN	733.30	4.00	0.9993	0.9994	2931.15		244.29		396.97		1099.29		63.70	66.16		37.32	13.57	15.83						0.224	13.52	447.83	447.83
781+06.64	801+50.00	LT/IN	2043.36	4.00			8173.44		681.12		1106.82		3065.04		177.64	184.47		104.06	37.84	44.15						0.624	37.70	1248.72	1248.72
801+50.00	802+75.00	LT/IN	125.00	4.00			500.00		41.67		67.71		187.50		10.87	11.28		6.37	2.31	2.70					76.39	0.038			
802+75.00	819+75.00	LT/IN	1700.00	4.00			6800.00		566.67		920.83		2550.00		147.79	153.47		86.57	31.48	36.73						0.519	31.36	1038.89	1038.89
819+75.00	820+75.00	LT/IN	100.00	4.00			400.00		33.33		54.17		150.00		8.69	9.03		5.09	1.85	2.16					61.11	0.031			
820+75.00	839+02.52	LT/IN	1827.52	4.00			7310.08		609.17		989.91		2741.28		158.87	164.98		93.07	33.84	39.48						0.558	33.71	1116.82	1116.82
839+63.58	841+63.58	LT/IN	200.00	8.00			1600.00		66.67		108.33		300.00		33.44	32.87		19.96	7.41	8.64						0.106	6.37	211.11	211.11
841+63.58	842+00.00	LT/IN	36.42	4.00			145.68		12.14		19.73		54.63		3.17	3.29		1.85	0.67	0.79						0.011	0.67	22.26	22.26
		I.R.77 CL TURNAROUNDS																											
666+50.00		LT/RT			CADD			2211.98					215.69		44.38	40.96		27.04	10.24	11.95						0.135	8.14	269.74	269.74
754+36.50		LT/RT			CADD			2212.27					212.32		44.38	40.97		27.04	10.24	11.95						0.135	8.13	269.40	269.40
839+26.98		LT/RT			CADD			2211.97					264.02		44.38	40.96		27.04	10.24	11.95						0.138	8.30	275.11	275.11
TOTALS CARRIED TO PAVEMENT SUBSUMMARY															**2466**	**2488**		**1460**	**537**	**627**			**19**		**325**	**9**	**488**	**16158**	**16158**

CALCULATED SRT
CHECKED CJC

PAVEMENT CALCULATIONS

SUM-77-24.12

STATION FROM	STATION TO	SIDE	LENGTH (L)	AVERAGE WIDTH (W)	CURVE CORRECTION RATIO	EDGE EXT. CURVE CORRECTION RATIO	SURFACE AREA (A=LxW)	CADD AREA	AREA FOR 4" EXTENSION	AREA FOR 6" EXTENSION	AREA FOR 6.5" EXTENSION	AREA FOR 12" EXTENSION	AREA FOR 18" EXTENSION	AREA FOR 20" EXTENSION	302 6.5" ASPHALT CONCRETE BASE, PG64-22 (449)	304 6" AGGREGATE BASE		407 NON-TRACKING TACK COAT (0.055 GAL/SY - 2 APPLICATIONS)	442 1 1/2" ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (447), PG70-22M	442 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, 12.5 MM, TYPE A (446)	442 ANTI-SEGREGATION EQUIPMENT	452 10" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P WITH QC/QA				204 PROOF ROLLING (1 HOUR/2000 SY)	206 CEMENT (0.75 X T X 115 X 0.05) LB/SY	206 CURING COAT	206 CEMENT STABILIZED SUBGRADE, 14" DEEP
			FT	FT			SF	SF	SF	SF	SF	SF	SF	SF	CY	CY		GAL	CY	CY	CY	SY				HOUR	TON	SY	SY
			GORE AREAS																										
NORTHBOUND I.R. 77 BL/ RAMP L																													
316+82.86	319+54.59				CADD			2659.73							53.36	49.25		32.51	12.31	14.37						0.148	8.92	295.53	295.53
NORTHBOUND I.R. 77 BL/ RAMP N																													
333+67.27	335+72.56				CADD			2940.05							58.98	54.45		35.93	13.61	15.88						0.163	9.86	326.67	326.67
SOUTHBOUND I.R. 77 BL/RAMP S																													
411+65.00	414+30.79				CADD			3685.09							73.93	68.24		45.04	17.06	19.90						0.205	12.36	409.45	409.45
SOUTHBOUND I.R. 77 BL/RAMP P																													
423+07.25	425+86.43				CADD			2733.16							54.83	50.61		33.41	12.65	14.76						0.152	9.17	303.68	303.68
NORTHBOUND I.R. 77 CL/ RAMP A																													
781+75.02	784+52.50				CADD			2721.98							54.61	50.41		33.27	12.60	14.70						0.151	9.13	302.44	302.44
NORTHBOUND I.R. 77 CL/ RAMP B																													
798+04.12	799+15.64				CADD			2349.92							47.14	43.52		28.72	10.88	12.69						0.131	7.88	261.10	261.10
SOUTHBOUND I.R. 77 CL/ RAMP D																													
789+94.24	791+09.16				CADD			2409.04							48.33	44.61		29.44	11.15	13.01						0.134	8.08	267.67	267.67
SOUTHBOUND I.R. 77 CL/ RAMP C																													
804+67.32	807+46.50				CADD			2733.26							54.83	50.62		33.41	12.65	14.76						0.152	9.17	303.70	303.70
			RAMP L BL																										
FULL DEPTH LANES																													
115+12.38	116+82.17	LT			CADD			2267.91							45.50	42.00		27.72	10.50	12.25	22.75					0.126	7.61	251.99	251.99
116+82.17	119+53.73	LT	271.56	16.00	1.0022		4354.52								87.36	80.64		53.22	20.16	23.52	43.68					0.242	14.61	483.84	483.84
119+53.73	120+53.73	LT	100.00	16.00	1.0022		1603.52									29.69						178.17				0.089	5.38	178.17	178.17
120+53.73	122+70.57	LT	216.84	16.00	1.0056		3488.87									64.61						387.65				0.194	11.70	387.65	387.65
122+70.57	123+00.00	LT	29.43	16.00			470.88									8.72						52.32				0.026	1.58	52.32	52.32
123+00.00	123+50.00	LT	50.00	20.00			1000.00									18.52						111.11				0.056	3.35	111.11	111.11
123+50.00	124+46.12	LT	96.12	24.00			2306.88									42.72						256.32				0.128	7.74	256.32	256.32
124+46.12	127+24.25	LT	278.13	24.00	0.9906		6612.37									122.45						734.71				0.367	22.18	734.71	734.71
127+24.25	127+73.15	LT	48.90	24.00			1173.60									21.73						130.40				0.065	3.94	130.40	130.40
127+73.15	128+10.61	LT	37.46	24.00			899.04									16.65						99.89				0.050	3.02	99.89	99.89
128+10.61	128+52.44	LT			CADD			1007.63								18.66						111.96				0.056	3.38	111.96	111.96
127+73.15	128+23.15	RT	50.00	2.50			125.00									2.31						13.89				0.007	0.42	13.89	13.89
128+23.15	128+52.44	RT			CADD			215.03								3.98						23.89				0.012	0.72	23.89	23.89
FULL DEPTH SHOULDER																													
119+53.55	120+53.73	LT	100.18	3.00	1.0048	1.0053	301.98			50.36			151.07			6.52						33.55				0.025	1.52	50.34	50.34
120+53.73	122+70.57	LT	216.84	3.00	1.0122	1.0133	658.46			109.86			329.59			14.23						73.16				0.055	3.31	109.78	109.78
122+70.57	124+46.12	LT	175.55	3.00			526.65			87.78			263.33			11.38						58.52				0.044	2.65	87.78	87.78
124+46.12	127+24.25	LT	278.13	3.00	0.9863	0.9851	822.96			136.99			410.98			17.78						91.44				0.069	4.14	137.10	137.10
127+24.25	128+07.66	LT	83.41	3.00			250.23			41.70			125.12			5.41						27.80				0.021	1.26	41.71	41.71
128+07.66	128+26.17	LT	23.64		CADD			203.52		11.82			35.46			3.99						22.61				0.013	0.80	26.55	26.55
TOTALS CARRIED TO PAVEMENT SUBSUMMARY															**579**	**944**		**353**	**134**	**156**	**67**	**2408**				**3**	**174**	**5760**	**5760**

CALCULATED SRT

CHECKED CJC

PAVEMENT CALCULATIONS

SUM-77-24.12

STATION FROM	STATION TO	SIDE	LENGTH (L)	AVERAGE WIDTH (W)	CURVE CORRECTION RATIO	EDGE EXT. CURVE CORRECTION RATIO	SURFACE AREA (A=LxW)	CADD AREA	AREA FOR 4" EXTENSION	AREA FOR 6" EXTENSION	AREA FOR 6.5" EXTENSION	AREA FOR 12" EXTENSION	AREA FOR 18" EXTENSION	AREA FOR 20" EXTENSION	302 6.5" ASPHALT CONCRETE BASE, PG64-22 (449)	304 6" AGGREGATE BASE		407 NON-TRACKING TACK COAT (0.055 GAL/SY - 2 APPLICATIONS)	442 1 1/2" ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (447), PG70-22M	442 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, 12.5 MM, TYPE A (446)	442 ANTI-SEGREGATION EQUIPMENT	452 10" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P WITH QC/QA				204 PROOF ROLLING (1 HOUR/2000 SY)	206 CEMENT (0.75 X T X 115 X 0.05) LB/SY	206 CURING COAT	206 CEMENT STABILIZED SUBGRADE, 14" DEEP
			FT	FT			SF	SF	SF	SF	SF	SF	SF	SF	CY	CY		GAL	CY	CY	CY	SY				HOUR	TON	SY	SY
RAMP L BL CONTD.																													
FULL DEPTH SHOULDER																													
115+12.38	119+53.73	RT	441.35	8.00	0.9989	0.9978	3526.92		146.79		238.54		660.57		73.70	72.45		44.00	16.33	19.05						0.233	14.05	465.28	465.28
119+53.73	120+03.73	RT	50.00	7.00	0.9990	0.9981	349.65			24.95			74.86			6.94						38.85				0.024	1.42	47.17	47.17
120+03.73	120+53.73	RT	50.00	6.00	0.9992	0.9983	299.76			24.96			74.87			6.01						33.31				0.021	1.26	41.63	41.63
120+53.73	122+70.57	RT	216.84	6.00	0.9979	0.9958	1298.31			107.96			323.89			26.04						144.26				0.090	5.44	180.24	180.24
122+70.57	124+46.12	RT	175.55	6.00			1053.30			87.78			263.33			21.13						117.03				0.073	4.42	146.29	146.29
124+46.12	127+24.25	RT	278.13	6.00	1.0024	1.0047	1672.79			139.72			419.16			33.57						185.87				0.116	7.02	232.44	232.44
127+24.25	128+22.55	RT	98.30	6.00			589.80			49.15			147.45			11.83						65.53				0.041	2.47	81.92	81.92
128+22.55	128+41.51	RT	20.22		CADD			131.40		10.11			30.33			2.62						14.60				0.009	0.54	17.97	17.97
RAMP N BL																													
FULL DEPTH LANES																													
27+95.39	28+34.31	LT			CADD			684.62								12.68						76.07				0.038	2.30	76.07	76.07
28+34.31	28+40.66	LT	6.35	16.00			101.60									1.88						11.29				0.006	0.34	11.29	11.29
28+40.66	30+57.62	LT	216.96	16.00	0.9979		3464.07									64.15						384.90				0.192	11.62	384.90	384.90
30+57.62	32+07.56	LT	149.94	16.00	1.0070		2415.83									44.74						268.43				0.134	8.10	268.43	268.43
32+07.56	33+65.91	LT	158.35	16.00	1.0035		2542.47									47.08						282.50				0.141	8.53	282.50	282.50
33+65.91	35+72.56	LT	206.65	16.00	1.0035		3317.97								66.56	61.44		40.55	15.36	17.92	33.28					0.184	11.13	368.66	368.66
27+95.39	28+31.56	RT			CADD			614.14								11.37						68.24				0.034	2.06	68.24	68.24
28+31.56	28+40.66	RT	9.10	11.71			106.56									1.97						11.84				0.006	0.36	11.84	11.84
28+40.66	28+71.46	RT	30.80	9.61	1.0012		296.34									5.49						32.93				0.016	0.99	32.93	32.93
28+71.46	30+57.62	RT	186.16	8.00	1.0010		1490.77									27.61						165.64				0.083	5.00	165.64	165.64
30+57.62	31+72.56	RT	114.94	8.00	0.9965		916.30									16.97						101.81				0.051	3.07	101.81	101.81
31+72.56	32+07.56	RT	35.00	7.65	0.9967		266.87									4.94						29.65				0.015	0.90	29.65	29.65
32+07.56	33+65.91	RT	158.35	5.72	0.9988		904.68									16.75						100.52				0.050	3.03	100.52	100.52
33+65.91	35+72.56	RT	206.65	2.07	0.9995		427.55								8.58	7.92		5.23	1.98	2.31	4.29					0.024	1.43	47.51	47.51
FULL DEPTH SHOULDER																													
27+95.39	28+34.31	LT	26.92		CADD			119.04		13.46			40.38			2.45						13.23				0.009	0.53	17.71	17.71
28+34.31	28+40.66	LT	6.35	3.00			19.05			3.17			9.52			0.41						2.12				0.002	0.10	3.17	3.17
28+40.66	30+57.62	LT	216.96	3.00	0.9996	0.9992	650.62			108.39			325.18			14.06						72.29				0.054	3.27	108.42	108.42
30+57.62	33+66.10	LT	308.48	3.00	1.0013	1.0026	926.64			154.64			463.92			20.02						102.96				0.077	4.66	154.51	154.51
																0.00													
27+95.39	28+31.57	RT	26.62		CADD			229.37		13.31			39.93			4.49						25.49				0.015	0.90	29.92	29.92
28+31.57	28+40.66	RT	9.09	7.77			70.63			4.54			13.63			1.39						7.85				0.005	0.28	9.36	9.36
28+40.66	28+71.46	RT	30.80	6.77	1.0009	1.0018	208.70			15.43			46.28			4.15						23.19				0.014	0.86	28.33	28.33
28+71.46	30+57.62	RT	186.16	6.00	1.0008	1.0016	1117.85			93.23			279.69			22.43						124.21				0.078	4.69	155.28	155.28
30+57.62	32+07.56	RT	149.94	6.00	0.9974	0.9948	897.30			74.58			223.74			18.00						99.70				0.062	3.76	124.56	124.56
32+07.56	33+65.91	RT	158.35	6.00	0.9987	0.9974	948.86			78.97			236.91			19.03						105.43				0.066	3.98	131.75	131.75
33+65.91	35+22.56	RT	156.65	6.00	0.9987	0.9974	938.68		52.08		84.63		234.36		19.88	19.91		11.79	4.35	5.07						0.065	3.93	130.34	130.34
35+22.56	35+72.56	RT	50.00	7.00	0.9985	0.9969	349.48		16.62		27.00		74.77		7.34	7.28		4.37	1.62	1.89						0.024	1.42	47.14	47.14
TOTALS CARRIED TO PAVEMENT SUBSUMMARY															**177**	**640**		**106**	**40**	**47**	**38**	**2710**				**3**	**124**	**4104**	**4104**

CALCULATED SRT

CHECKED CJC

PAVEMENT CALCULATIONS

SUM-77-24.12

STATION FROM	STATION TO	SIDE	LENGTH (L)	AVERAGE WIDTH (W)	CURVE CORRECTION RATIO	EDGE EXT. CURVE CORRECTION RATIO	SURFACE AREA (A=LxW)	CADD AREA	AREA FOR 4" EXTENSION	AREA FOR 6" EXTENSION	AREA FOR 6.5" EXTENSION	AREA FOR 12" EXTENSION	AREA FOR 18" EXTENSION	AREA FOR 20" EXTENSION	302 6.5" ASPHALT CONCRETE BASE, PG64-22 (449)	304 6" AGGREGATE BASE		407 NON-TRACKING TACK COAT (0.055 GAL/SY - 2 APPLICATIONS)	442 1 1/2" ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (447), PG70-22M	442 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, 12.5 MM, TYPE A (446)	442 ANTI-SEGREGATION EQUIPMENT	452 10" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P WITH QC/QA		609 CURB, TYPE 6		204 PROOF ROLLING (1 HOUR/2000 SY)	206 CEMENT (0.75 X T X 115 X 0.05) LB/SY	206 CURING COAT	206 CEMENT STABILIZED SUBGRADE, 14" DEEP
			FT	FT			SF	SF	SF	SF	SF	SF	SF	SF	CY	CY		GAL	CY	CY	CY	SY		FT		HOUR	TON	SY	SY
			RAMP P BL																										
FULL DEPTH LANES																													
212+35.71	212+44.43	RT			CADD			69.80								1.29						7.76				0.004	0.23	7.76	7.76
212+44.43	214+76.56	RT	232.13	16.00			3714.08									68.78						412.68				0.206	12.46	412.68	412.68
214+76.56	216+06.38	RT	129.82	16.00	1.0195		2117.62									39.22						235.29				0.118	7.10	235.29	235.29
216+06.38	221+08.08	RT	501.70	16.00	1.0391		8341.06									154.46						926.78				0.463	27.98	926.78	926.78
221+08.08	223+08.08	RT	200.00	16.00	1.0195		3262.40									60.41						362.49				0.181	10.94	362.49	362.49
223+08.08	225+87.10	RT	279.02	16.00	1.0021		4473.70								89.75	82.85		54.68	20.71	24.16	44.87					0.249	15.01	497.08	497.08
225+87.10	227+61.56	RT			CADD			2329.83							46.74	43.15		28.48	10.79	12.58	23.37					0.129	7.81	258.87	258.87
212+35.71	212+44.43	LT			CADD			12.26								0.23						1.36				0.001	0.04	1.36	1.36
214+33.03	214+76.56	LT	43.53	16.00			696.48									12.90						77.39				0.039	2.34	77.39	77.39
214+76.56	215+25.00	LT	48.44	16.00	0.9805		759.93									14.07						84.44				0.042	2.55	84.44	84.44
215+25.00	215+75.00	LT	50.00	8.00	0.9902		396.08									7.33						44.01				0.022	1.33	44.01	44.01
FULL DEPTH SHOULDER																													
212+35.71	212+71.15	RT	3.14		CADD			124.46				3.14	4.71			2.36						13.83		3.14		0.007	0.43	14.35	14.35
212+71.15	214+76.56	RT	205.41	3.00			616.23					205.41	308.12			15.22						68.47		205.41		0.051	3.10	102.71	102.71
214+76.56	215+89.75	RT	113.19	3.00	1.0428	1.0464	354.10					118.44	177.66			8.75						39.34		118.44		0.030	1.78	59.08	59.08
215+89.75	216+06.38	RT	16.63	3.00	1.0428	1.0464	52.03			8.70			26.10			1.12						5.78				0.004	0.26	8.68	8.68
216+06.38	221+08.08	RT	501.70	3.00	1.0855	1.0929	1633.79			274.15			822.46			35.33						181.53				0.136	8.24	272.92	272.92
221+08.08	223+08.25	RT	200.17	3.00	1.0428	1.0464	626.21			104.73			314.19			13.54						69.58				0.052	3.15	104.49	104.49
212+35.71	212+44.44	LT	81.82		CADD			509.60		40.91			122.72			10.19						56.62				0.035	2.12	70.26	70.26
212+44.44	213+15.79	LT	71.35	6.00			428.10			35.68			107.03			8.59						47.57				0.030	1.79	59.46	59.46
213+15.79	214+33.03	LT	14.10		CADD			705.58		7.05			21.15			13.20						78.40				0.040	2.44	80.75	80.75
214+33.03	214+76.56	LT	43.53	6.00			261.18			21.77			65.30			5.24						29.02				0.018	1.10	36.28	36.28
214+76.56	215+25.00	LT	48.44	6.00	0.9536	0.9462	277.15			22.92			68.75			5.56						30.79				0.019	1.16	38.43	38.43
215+25.00	215+75.00	LT	50.00	6.00	0.9731	0.9658	291.93			24.15			72.44			5.85						32.44				0.020	1.22	40.49	40.49
215+75.00	216+06.38	LT	31.38	6.00	0.9853	0.9707	185.51			15.23			45.69			3.72						20.61				0.013	0.78	25.69	25.69
216+06.38	221+08.08	LT	501.70	6.00	0.9853	0.9707	2965.95			243.50			730.50			59.43						329.55				0.205	12.40	410.72	410.72
221+08.08	222+58.08	LT	150.00	6.00	0.9927	0.9853	893.43			73.90			221.69			17.91						99.27				0.062	3.74	123.90	123.90
222+58.08	223+08.08	LT	50.00	7.00	0.9914	0.9829	346.99			24.57			73.72			6.88						38.55				0.023	1.41	46.75	46.75
223+08.08	226+75.05	LT	366.97	8.00	0.9990	0.9979	2932.82		122.07		198.36		549.30		61.29	60.25		36.59	13.58	15.84	29.42					0.193	11.68	386.90	386.90
226+75.05	227+61.56	LT	86.51	8.00	0.9990	0.9979	691.39		28.78	43.16	46.76			143.88	18.20	17.67		10.91	3.20	4.74	7.94					0.053	3.20	106.00	106.00
			RAMP R BL																										
FULL DEPTH LANES																													
10+70.74	11+52.41	RT			CADD			770.64								14.27						85.63				0.043	2.58	85.63	85.63
11+52.41	14+33.03	RT	280.62	16.00	1.0230		4593.19									85.06						510.35				0.255	15.41	510.35	510.35
FULL DEPTH SHOULDER																													
11+52.41	11+99.26	RT	8.31		CADD			327.22		4.16			12.47			6.14						36.36				0.019	1.14	37.74	37.74
11+99.26	13+21.45	RT	122.19	3.00	1.0504	1.0547	385.05			64.44			193.31			8.32						42.78				0.032	1.94	64.26	64.26
10+70.74	14+33.03	LT	362.29	6.00	0.9914	0.9827	2155.05			178.01			534.03			43.20						239.45				0.149	9.02	298.79	298.79
TOTALS CARRIED TO PAVEMENT SUBSUMMARY															**216**	**933**		**131**	**49**	**58**	**106**	**4209**		**327**		**3**	**178**	**5893**	**5893**

CALCULATED SRT
CHECKED CJC

PAVEMENT CALCULATIONS

SUM-77-24.12

STATION FROM	STATION TO	SIDE	LENGTH (L)	AVERAGE WIDTH (W)	CURVE CORRECTION RATIO	EDGE EXT. CURVE CORRECTION RATIO	SURFACE AREA (A=LxW)	CADD AREA	AREA FOR 4" EXTENSION	AREA FOR 6" EXTENSION	AREA FOR 6.5" EXTENSION	AREA FOR 12" EXTENSION	AREA FOR 18" EXTENSION	AREA FOR 20" EXTENSION	302 6.5" ASPHALT CONCRETE BASE, PG64-22 (449)	304 6" AGGREGATE BASE		407 NON-TRACKING TACK COAT (0.055 GAL/SY - 2 APPLICATIONS)	442 1 1/2" ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (447), PG70-22M	442 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, 12.5 MM, TYPE A (446)	442 ANTI-SEGREGATION EQUIPMENT	452 10" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P WITH QC/QA		609 CURB, TYPE 6		204 PROOF ROLLING (1 HOUR/2000 SY)	206 CEMENT (0.75 X T X 115 X 0.05) LB/SY	206 CURING COAT	206 CEMENT STABILIZED SUBGRADE, 14" DEEP
			FT	FT			SF	SF	SF	SF	SF	SF	SF	SF	CY	CY		GAL	CY	CY	CY	SY		FT		HOUR	TON	SY	SY
			RAMP S BL																										
FULL DEPTH LANES																													
11+65.00	13+65.00	RT	200.00	16.00	1.0023	1.0045	3207.36								64.35	59.40		39.20	14.85	17.32	32.17					0.178	10.76	356.37	356.37
13+65.00	14+29.49	RT	64.49	16.00	1.0045	1.0091	1036.48								20.79	19.19		12.67	4.80	5.60	10.40					0.058	3.48	115.16	115.16
14+29.49	15+65.00	RT	135.51	16.00	1.0045	1.0091	2177.92									40.33						241.99				0.121	7.31	241.99	241.99
15+65.00	19+34.51	RT	369.51	16.00	1.0112	1.0223	5978.38									110.71						664.26				0.332	20.05	664.26	664.26
19+34.51	21+36.34	RT	201.83	16.00			3229.28									59.80						358.81				0.179	10.83	358.81	358.81
21+36.34	25+42.94	RT	406.60	16.00	0.9766	0.9532	6353.37									117.66						705.93				0.353	21.31	705.93	705.93
25+42.94	28+19.66	RT	276.72	16.00			4427.52									81.99						491.95				0.246	14.85	491.95	491.95
27+02.77	28+19.66	LT			CADD			1805.33								33.43						200.59				0.100	6.06	200.59	200.59
FULL DEPTH SHOULDER																													
14+29.32	15+65.00	RT	135.68	3.00	1.0099	1.0108	411.07			68.57			205.72			8.88						45.67				0.034	2.07	68.53	68.53
15+65.00	19+34.51	RT	369.51	3.00	1.0244	1.0265	1135.58			189.65			568.95			24.54						126.18				0.095	5.72	189.39	189.39
19+34.51	21+36.34	RT	201.83	3.00			605.49			100.92			302.75			13.08						67.28				0.050	3.05	100.92	100.92
21+36.34	24+71.21	RT	334.87	3.00	0.9488	0.9445	953.17			158.14			474.43			20.58						105.91				0.079	4.79	158.62	158.62
24+71.21	25+42.94	RT	71.73	3.00	0.9488	0.9445	204.17					67.75	101.62			3.78						22.69		67.75		0.017	1.03	33.98	33.98
25+42.94	28+01.75	RT	258.81	3.00			776.43					258.81	388.22			14.38						86.27		258.81		0.065	3.91	129.41	129.41
28+01.75	28+15.84	RT	3.14		CADD			111.77				3.14	4.71			2.07						12.42		3.14		0.006	0.39	12.94	12.94
11+65.00	12+15.00	LT	50.00	7.00	0.9990	0.9980	349.65		16.63		27.03		74.85		7.35	7.28		4.38	1.62	1.89						0.024	1.42	47.17	47.17
12+15.00	13+65.00	LT	150.00	6.00	0.9991	0.9983	899.19		49.92		81.11		224.62		19.04	19.08		11.30	4.16	4.86						0.062	3.77	124.87	124.87
13+65.00	14+29.49	LT	64.49	6.00	0.9983	0.9966	386.28		21.42		34.81		96.41		8.18	8.19		4.85	1.79	2.09						0.027	1.62	53.63	53.63
14+29.49	15+65.00	LT	135.51	6.00	0.9983	0.9966	811.68			67.52			202.57			16.28						90.19				0.056	3.40	112.69	112.69
15+65.00	19+34.51	LT	369.51	6.00	0.9958	0.9916	2207.75			183.20			549.61			44.28						245.31				0.153	9.25	306.37	306.37
19+34.51	21+36.34	LT	201.83	6.00			1210.98			100.92			302.75			24.29						134.55				0.084	5.08	168.19	168.19
21+36.34	25+42.94	LT	406.60	6.00	1.0088	1.0175	2461.07			206.86			620.57			49.41						273.45				0.171	10.34	342.40	342.40
25+42.94	27+02.47	LT	159.53	6.00			957.18			79.76			239.30			19.20						106.35				0.066	4.01	132.94	132.94
27+02.47	28+15.84	LT	123.53		CADD			1015.64		61.77			185.30			19.95						112.85				0.067	4.03	133.44	133.44
			RAMP A BL																										
FULL DEPTH LANES																													
80+07.89	81+76.19	LT			CADD			2747.19							55.11	50.87		33.58	12.72	14.84	27.56					0.153	9.21	305.24	305.24
81+76.19	84+53.51	LT	277.32	16.00	1.0021		4446.44								89.20	82.34		54.35	20.59	24.02	44.61					0.247	14.91	494.05	494.05
84+53.51	85+70.12	LT	116.61	16.00	1.0021		1869.68									34.62						207.74				0.104	6.27	207.74	207.74
85+70.12	88+26.34	LT	256.22	16.00			4099.52									75.92						455.50				0.228	13.75	455.50	455.50
88+26.34	89+21.54	LT	95.20	16.00	0.9874		1504.01									27.85						167.11				0.084	5.04	167.11	167.11
89+21.54	90+50.00	LT	128.46	16.00			2055.36									38.06						228.37				0.114	6.89	228.37	228.37
FULL DEPTH SHOULDER																													
84+53.51	85+70.12	LT	116.61	3.00	1.0046	1.0050	351.44			58.60			175.79			7.59						39.05				0.029	1.77	58.58	58.58
85+70.12	87+12.50	LT	142.38	3.00			427.14			71.19			213.57			9.23						47.46				0.036	2.15	71.19	71.19
87+12.50	88+12.50	LT	100.00	7.50			750.00			50.00			150.00			14.81						83.33				0.050	3.02	100.00	100.00
88+12.50	88+26.34	LT	13.84	12.00			166.08			6.92			20.76			3.20						18.45				0.010	0.63	20.76	20.76
88+26.34	89+21.54	LT	95.20	12.00	0.9654	0.9560	1102.87			45.51			136.52			21.27						122.54				0.069	4.16	137.71	137.71
89+21.54	90+25.00	LT	103.46	12.00			1241.52			51.73			155.19			23.95						137.95				0.078	4.68	155.19	155.19
90+25.00	90+50.00	LT	25.00	11.45			286.25			12.50			37.50			5.53						31.81				0.018	1.09	35.97	35.97
TOTALS CARRIED TO PAVEMENT SUBSUMMARY															**265**	**1214**		**161**	**61**	**71**	**115**	**5632**		**330**		**4**	**233**	**7688**	**7688**

CALCULATED SRT

CHECKED CJC

PAVEMENT CALCULATIONS

SUM-77-24.12

STATION FROM	STATION TO	SIDE	LENGTH (L)	AVERAGE WIDTH (W)	CURVE CORRECTION RATIO	EDGE EXT. CURVE CORRECTION RATIO	SURFACE AREA (A=LxW)	CADD AREA	AREA FOR 4" EXTENSION	AREA FOR 6" EXTENSION	AREA FOR 6.5" EXTENSION	AREA FOR 12" EXTENSION	AREA FOR 18" EXTENSION	AREA FOR 20" EXTENSION	302 6.5" ASPHALT CONCRETE BASE, PG64-22 (449)	304 6" AGGREGATE BASE		407 NON-TRACKING TACK COAT (0.055 GAL/SY - 2 APPLICATIONS)	442 1 1/2" ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (447), PG70-22M	442 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, 12.5 MM, TYPE A (446)	442 ANTI-SEGREGATION EQUIPMENT	452 10" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P WITH QC/QA			204 SUBGRADE COMPACTION	204 PROOF ROLLING (1 HOUR/2000 SY)	206 CEMENT (0.75 X T X 115 X 0.05) LB/SY	206 CURING COAT	206 CEMENT STABILIZED SUBGRADE, 14" DEEP
			FT	FT			SF	SF	SF	SF	SF	SF	SF	SF	CY	CY		GAL	CY	CY	CY	SY			SY	HOUR	TON	SY	SY
			RAMP A BL CONTD.																											
FULL DEPTH SHOULDER																														
80+07.89	84+53.51	RT	445.62	8.00	0.9990	0.9979	3561.40		148.23		240.87		667.03		74.42	73.16		44.43	16.49	19.24						0.235	14.18	469.83	469.83
84+53.51	85+53.51	RT	100.00	10.00	0.9987	0.9974	998.70			49.87			149.61			19.42						110.97				0.064	3.85	127.59	127.59
85+53.51	85+70.12	RT	16.61	12.00	0.9984	0.9969	199.00			8.28			24.84			3.84						22.11				0.012	0.75	24.87	24.87
85+70.12	88+26.34	RT	256.22	12.00			3074.64			128.11			384.33			59.31						341.63				0.192	11.60	384.33	384.33
88+26.34	89+21.54	RT	95.20	12.00	1.0094	1.0188	1153.14			48.49			145.48			22.25						128.13				0.072	4.36	144.29	144.29
89+21.54	90+25.00	RT	103.46	12.00			1241.52			51.73			155.19			23.95						137.95				0.078	4.68	155.19	155.19
90+25.00	90+50.00	RT	25.00	11.62			290.50			12.50			37.50			5.61						32.28				0.018	1.10	36.44	36.44
			RAMP B BL																											
FULL DEPTH LANES																														
5+17.21	5+22.77	LT	5.56	16.00			88.96									1.65						9.88				0.005	0.30	9.88	9.88
5+22.77	6+65.64	LT	142.87	16.00	1.0094		2307.41									42.73						256.38				0.128	7.74	256.38	256.38
6+65.64	8+04.85	LT	139.21	16.00	1.0047		2237.83									41.44						248.65				0.124	7.51	248.65	248.65
8+04.85	9+15.64	LT	110.79	16.00	1.0047		1780.97								35.73	32.98		21.77	8.25	9.62	17.87					0.099	5.97	197.89	197.89
FULL DEPTH SHOULDER																														
5+17.21	5+22.77	LT	5.56	4.01			22.30			2.78			8.34			0.46						2.48				0.002	0.10	3.40	3.40
5+22.77	5+47.21	LT	24.44	3.45	1.0209	1.0229	86.08			12.50			37.50			1.83						9.56				0.007	0.41	13.73	13.73
5+47.21	6+65.64	LT	118.43	3.00	1.0206	1.0224	362.61			60.54			181.62			7.84						40.29				0.030	1.83	60.47	60.47
6+65.64	8+04.92	LT	139.28	3.00	1.0103	1.0112	422.14			70.42			211.26			9.12						46.90				0.035	2.12	70.38	70.38
5+17.21	5+22.77	RT	5.56	7.14			39.70			2.78			8.34			0.79						4.41				0.003	0.16	5.34	5.34
5+22.77	5+92.21	RT	69.44	8.63	0.9949	0.9898	596.21			34.37			103.10			11.68						66.25				0.039	2.35	77.70	77.70
5+92.21	6+65.64	RT	73.43	10.00	0.9941	0.9882	729.97			36.28			108.85			14.19						81.11				0.047	2.81	93.20	93.20
6+65.64	8+04.85	RT	139.21	10.00	0.9971	0.9941	1388.06			69.19			207.58			26.99						154.23				0.089	5.35	177.29	177.29
8+04.85	8+65.64	RT	60.79	10.00	0.9971	0.9941	606.14		20.14		32.73		90.65		12.56	12.20		7.53	2.81	3.27						0.039	2.34	77.42	77.42
8+65.64	9+15.64	RT	50.00	9.00	0.9973	0.9947	448.79		16.58		26.94		74.60		9.34	9.12		5.59	2.08	2.42						0.029	1.76	58.15	58.15
			RAMP C BL																											
FULL DEPTH LANES																														
99+00.00	99+99.50	RT	99.50	16.00			1592.00									29.48						176.89				0.088	5.34	176.89	176.89
99+99.50	100+94.55	RT	95.05	16.00	0.9874		1501.64									27.81						166.85				0.083	5.04	166.85	166.85
100+94.55	102+50.00	RT	155.45	16.00			2487.20									46.06						276.36				0.138	8.34	276.36	276.36
102+50.00	103+00.00	RT	50.00	16.00			800.00									14.81						88.89			88.89	0.044			
103+00.00	103+51.37	RT	51.37	16.00			821.92									15.22						91.32				0.046	2.76	91.32	91.32
103+51.37	104+68.14	RT	116.77	16.00	1.0021		1872.24									34.67						208.03				0.104	6.28	208.03	208.03
104+68.14	107+47.17	RT	279.03	16.00	1.0021		4473.86								89.75	82.85		54.68	20.71	24.16	44.87					0.249	15.01	497.10	497.10
107+47.17	109+21.62	RT			CADD			2329.71							46.74	43.14		28.47	10.79	12.58	23.37					0.129	7.81	258.86	258.86
FULL DEPTH SHOULDER																														
99+00.00	99+25.00	LT	25.00	2.75			68.75			12.50			37.50			1.50						7.64				0.006	0.36	11.81	11.81
99+25.00	100+94.55	LT	169.55	3.00	0.9725	0.9702	494.66			82.25			246.75			10.68						54.96				0.041	2.49	82.38	82.38
100+94.55	102+50.00	LT	155.45	3.00			466.35			77.73			233.18			10.08						51.82				0.039	2.35	77.73	77.73
102+50.00	103+00.00	LT	50.00	3.00			150.00			25.00			75.00			3.24						16.67			25.00	0.013			
103+00.00	103+51.37	LT	51.37	3.00			154.11			25.69			77.06			3.33						17.12				0.013	0.78	25.69	25.69
103+51.37	104+68.31	LT	116.94	3.00			350.82			58.47			175.41			7.58						38.98				0.029	1.77	58.47	58.47
TOTALS CARRIED TO PAVEMENT SUBSUMMARY															**269**	**752**		**163**	**62**	**72**	**87**	**2889**			**114**	**3**	**140**	**4624**	**4624**

CALCULATED SRT

CHECKED CJC

PAVEMENT CALCULATIONS

SUM-77-24.12

STATION FROM	STATION TO	SIDE	LENGTH (L)	AVERAGE WIDTH (W)	CURVE CORRECTION RATIO	EDGE EXT. CURVE CORRECTION RATIO	SURFACE AREA (A=LxW)	CADD AREA	AREA FOR 4" EXTENSION	AREA FOR 6" EXTENSION	AREA FOR 6.5" EXTENSION	AREA FOR 12" EXTENSION	AREA FOR 18" EXTENSION	AREA FOR 20" EXTENSION	302 6.5" ASPHALT CONCRETE BASE, PG64-22 (449)	304 6" AGGREGATE BASE	304 VARIABLE DEPTH AGGREGATE BASE	407 NON-TRACKING TACK COAT (0.055 GAL/SY - 2 APPLICATIONS)	442 1 1/2" ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (447), PG70-22M	442 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, 12.5 MM, TYPE A (446)	442 ANTI-SEGREGATION EQUIPMENT	452 10" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P WITH QC/QA		204 SUBGRADE COMPACTION	609 4" CONCRETE MEDIAN	204 PROOF ROLLING (1 HOUR/2000 SY)	206 CEMENT (0.75 X T X 115 X 0.05) LB/SY	206 CURING COAT	206 CEMENT STABILIZED SUBGRADE, 14" DEEP
			FT	FT			SF	SF	SF	SF	SF	SF	SF	SF	CY	CY	CY	GAL	CY	CY	CY	SY		SY	SY	HOUR	TON	SY	SY
RAMP C BL CONTD.																													
FULL DEPTH SHOULDER																													
99+00.00	99+25.00	LT	25.00	11.72			293.00			12.50			37.50			5.66						32.56				0.018	1.11	36.72	36.72
99+25.00	99+99.50	LT	74.50	12.00			894.00			37.25			111.75			17.25						99.33				0.056	3.37	111.75	111.75
99+99.50	100+94.55	LT	95.05	12.00	1.0094	1.0188	1151.32			48.42			145.26			22.22						127.92				0.072	4.35	144.06	144.06
100+94.55	102+50.00	LT	155.45	12.00			1865.40			77.73			233.18			35.98						207.27				0.117	7.04	233.18	233.18
102+50.00	103+00.00	LT	50.00	12.00			600.00			25.00			75.00			11.57						66.67		75.00		0.038			
103+00.00	103+51.37	LT	51.37	12.00			616.44			25.69			77.06			11.89						68.49				0.039	2.33	77.06	77.06
103+51.37	103+68.14	LT	16.77	12.00	0.9984	0.9969	200.92			8.36			25.08			3.88						22.32				0.013	0.76	25.11	25.11
103+68.14	104+68.14	LT	100.00	10.00	0.9987	0.9974	998.70			49.87			149.61			19.42						110.97				0.064	3.85	127.59	127.59
104+68.14	109+21.63	LT	453.49	8.00	0.9990	0.9979	3624.29		150.85		245.12		678.81		75.74	74.45		45.22	16.78	19.58						0.239	14.43	478.12	478.12
RAMP D BL																													
FULL DEPTH LANES																													
19+94.24	21+08.40	RT	114.16	16.00	1.0047		1835.14								36.82	33.98		22.43	8.50	9.91	18.41					0.102	6.16	203.90	203.90
21+08.40	22+44.24	RT	135.84	16.00	1.0047		2183.66									40.44						242.63				0.121	7.32	242.63	242.63
22+44.24	23+34.25	RT	90.01	16.00	1.0094		1453.70									26.92						161.52				0.081	4.88	161.52	161.52
23+34.25	24+04.44	RT	70.19	16.00			1123.04									20.80						124.78				0.062	3.77	124.78	124.78
FULL DEPTH SHOULDER																													
21+08.32	22+44.24	RT	135.92	3.00	1.0103	1.0112	411.96			68.72			206.16			8.90						45.77				0.034	2.07	68.68	68.68
22+44.24	23+34.25	RT	90.01	3.00	1.0206	1.0224	275.59			46.01			138.04			5.96						30.62				0.023	1.39	45.96	45.96
23+34.25	23+74.44	RT	40.19	3.00	1.0206	1.0224	123.05			20.55			61.64			2.66						13.67				0.010	0.62	20.52	20.52
23+74.44	24+04.44	RT	30.00	3.53			105.90			15.00			45.00			2.24						11.77				0.008	0.51	16.77	16.77
19+94.24	20+44.24	LT	50.00	9.00	0.9973	0.9947	448.79		16.58		26.94		74.60		9.34	9.12		5.59	2.08	2.42						0.029	1.76	58.15	58.15
20+44.24	21+08.40	LT	64.16	10.00	0.9971	0.9941	639.74		21.26		34.55		95.67		13.26	12.88		7.95	2.96	3.46						0.041	2.47	81.71	81.71
21+08.40	22+44.24	LT	135.84	10.00	0.9971	0.9941	1354.46			67.52			202.56			26.33						150.50				0.087	5.22	173.00	173.00
22+44.24	22+89.44	LT	45.20	10.00	0.9941	0.9882	449.33			22.33			67.00			8.73						49.93				0.029	1.73	57.37	57.37
22+89.44	23+34.25	LT	44.81	9.11	0.9946	0.9893	406.01			22.17			66.50			7.93						45.11				0.026	1.58	52.50	52.50
23+34.25	24+04.44	LT	70.19	6.82			478.70			35.10			105.29			9.51						53.19				0.032	1.96	64.89	64.89
MEDIANS																													
RAMP P/RAMP S																													
212+80.00	215+89.75	RT			CADD			1487.23								27.54									165.25				
BARRIER DEDUCTIONS																													
I.R. 77																													
599+00.00	600+00.00	CTR	100.00	2.53			253.00												-1.17										
600+00.00	601+00.00	CTR	100.00	2.94			294.00												-1.36										
601+00.00	602+00.00	CTR	100.00	3.19			319.00												-1.48										
602+00.00	602+35.00	CTR	35.00	4.16			145.60												-0.67										
VARIABLE DEPTH 304 WEDGE (I.R. 77 MEDIAN BARRIER)																													
299+00.00	302+35.00	CTR	335.00	13.00			4355.00										52.42												
TOTALS CARRIED TO PAVEMENT SUBSUMMARY															**136**	**447**	**53**	**82**	**26**	**36**	**19**	**1666**		**75**	**166**	**2**	**79**	**2606**	**2606**

CALCULATED SRT

CHECKED CJC

PAVEMENT CALCULATIONS

SUM-77-24.12

STATION FROM	STATION TO	SIDE	LENGTH (L)	AVERAGE WIDTH (W)	CURVE CORRECTION RATIO	EDGE EXT. CURVE CORRECTION RATIO	SURFACE AREA (A=LxW)	CADD AREA	AREA FOR 3" EXTENSION	AREA FOR 6" EXTENSION	AREA FOR 18" EXTENSION				304 6" AGGREGATE BASE	254 PAVEMENT PLANING, ASPHALT CONCRETE (1.5")	305 9" CONCRETE BASE, CLASS QC1P		407 NON-TRACKING TACK COAT (0.055 GAL/SY - 1 APPLICATIONS)	407 TACK COAT, 702.13 (0.085 GAL/SY - 1 APPLICATIONS)		441 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), PG64-22	441 1.5" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, (449) (VARIABLE)		204 PROOF ROLLING (1 HOUR/2000 SY)	204 SUBGRADE COMPACTION			
			FT	FT			SF	SF	SF	SF	SF				CY	SY	SY		GAL	GAL		CY	CY		HOUR	SY			
GHENT ROAD CL																													
FULL DEPTH LANES																													
87+65.00	89+50.68	LT	185.68	3.48			646.17								11.97		71.80		3.95	6.10		2.99	1.50		0.036	71.80			
89+50.68	89+88.53	LT			CADD			408.92							7.57		45.44		2.50	3.86		1.89	0.95		0.023	45.44			
89+88.53	91+23.54	LT	135.01	6.00			810.06								15.00		90.01		4.95	7.65		3.75	1.88		0.045	90.01			
97+85.21	98+00.89	LT	15.68	6.00			94.08								1.74		10.45		0.57	0.89		0.44	0.22		0.005	10.45			
85+68.75	86+00.00	RT	31.25	7.00			218.75								4.05		24.31		1.34	2.07		1.01	0.51		0.012	24.31			
86+00.00	87+65.00	RT	165.00	12.00			1980.00								36.67		220.00		12.10	18.70		9.17	4.58		0.110	220.00			
87+65.00	89+16.86	RT	151.86	14.85			2255.12								41.76		250.57		13.78	21.30		10.44	5.22		0.125	250.57			
89+16.86	89+92.90	RT			CADD			1778.20							32.93		197.58		10.87	16.79		8.23	4.12		0.099	197.58			
89+92.90	90+28.74	RT	35.84	18.00			645.12								11.95		71.68		3.94	6.09		2.99	1.49		0.036	71.68			
90+28.74	90+34.04	RT			CADD			59.88							1.11		6.65		0.37	0.57		0.28	0.14		0.003	6.65			
90+34.04	91+23.54	RT	89.50	6.00			537.00								9.94		59.67		3.28	5.07		2.49	1.24		0.030	59.67			
97+85.21	98+40.00	RT	54.79	6.00			328.74								6.09		36.53		2.01	3.10		1.52	0.76		0.018	36.53			
98+40.00	100+00.00	RT	160.00	3.00			480.00								8.89		53.33		2.93	4.53		2.22	1.11		0.027	53.33			
FULL DEPTH SHOULDER																													
87+65.00	87+90.00	LT	25.00	6.35			158.75		6.25	12.50	37.50				3.29		18.33		0.97	1.56		0.73	0.73		0.011	21.81			
87+90.00	89+50.68	LT	160.68	6.00			964.08		40.17	80.34	241.02				20.09		111.58		5.89	9.48		4.46	4.46		0.067	133.90			
89+50.68	89+79.56	LT	27.28		CADD			175.58	6.82	13.64	40.91				3.63		20.27		1.07	1.72		0.81	0.81		0.012	24.05			
90+28.75	90+48.01	LT	14.76		CADD			159.70	3.69	7.38	22.13				3.16		18.15		0.98	1.54		0.74	0.74		0.010	20.20			
90+48.01	90+98.54	LT	50.53	6.00			303.18		12.63	25.27	75.80				6.32		35.09		1.85	2.98		1.40	1.40		0.021	42.11			
90+98.54	91+23.54	LT	25.00	5.65			141.25		6.25	12.50	37.50				2.96		16.39		0.86	1.39		0.65	0.65		0.010	19.86			
97+85.21	98+00.89	LT	15.68	6.35			99.57		3.92	7.84	23.52				2.06		11.50		0.61	0.98		0.46	0.46		0.007	13.68			
85+68.75	86+00.00	RT	31.25	8.06			251.88		7.81	15.63	46.88				5.10		28.85		1.54	2.45		1.17	1.17		0.017	33.20			
86+00.00	89+16.86	RT	316.86	8.00			2534.88		79.22	158.43	475.29				51.34		290.46		15.49	24.69		11.74	11.74		0.167	334.46			
89+16.86	89+82.47	RT	63.31		CADD			525.38	15.83	31.65	94.96				10.61		60.13		3.21	5.11		2.43	2.43		0.034	68.93			
90+28.75	90+55.15	RT	23.70		CADD			243.56	5.93	11.85	35.55				4.84		27.72		1.49	2.36		1.13	1.13		0.016	31.01			
90+55.15	90+98.54	RT	43.39	6.00			260.34		10.85	21.70	65.09				5.42		30.13		1.59	2.56		1.21	1.21		0.018	36.16			
90+98.54	91+23.54	RT	25.00	5.77			144.25		6.25	12.50	37.50				3.02		16.72		0.88	1.42		0.67	0.67		0.010	20.19			
97+85.21	98+10.21	RT	25.00	5.64			141.00		6.25	12.50	37.50				2.96		16.36		0.86	1.39		0.65	0.65		0.010	19.83			
98+10.21	99+75.00	RT	164.79	6.00			988.74		41.20	82.40	247.19				20.60		114.44		6.04	9.73		4.58	4.58		0.069	137.33			
99+75.00	100+00.00	RT	25.00	6.38			159.50		6.25	12.50	37.50				3.30		18.42		0.97	1.57		0.74	0.74		0.011	21.89			
RESURFACING																													
87+65.00	91+23.54	LT	358.54	24.00			8604.96									956.11				81.27		39.84							
97+85.21	101+75.00	LT	389.79	24.00			9354.96									1039.44				88.35		43.31							
85+68.75	91+23.54	RT	554.79	24.00			13314.96									1479.44				125.75		61.64							
97+85.21	100+00.00	RT	214.79	24.00			5154.96									572.77				48.69		23.87							
TOTALS CARRIED TO PAVEMENT SUBSUMMARY															**339**	**4048**	**1973**		**107**	**512**		**250**	**58**		**2**	**2117**			

CALCULATED SRT

CHECKED CJC

PAVEMENT CALCULATIONS

SUM-77-24.12

STATION FROM	STATION TO	SIDE	LENGTH (L)	AVERAGE WIDTH (W)	CURVE CORRECTION RATIO	EDGE EXT. CURVE CORRECTION RATIO	SURFACE AREA (A=LxW)	CADD AREA							209 LINEAR GRADING, AS PER PLAN		441 2" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, (449), (UNDER GUARDRAIL), AS PER PLAN
			FT	FT			SF	SF							STA		CY
PAVING UNDER GUARDRAIL																	
NORTHBOUND I.R. 77 BL																	
304+15.00	305+62.86	LT	147.86	5.00			739.30								1.48		4.56
325+24.63	328+45.93	LT	321.30	5.00	0.9940		1596.86								3.19		9.80
350+79.25	351+57.68	LT	78.30	CADD				392.33							0.78		2.42
351+57.68	352+11.92	LT	54.24	4.50	0.9924		242.22								0.54		1.48
302+36.87	303+75.20	RT	138.33	5.00			691.65								1.38		4.27
303+75.20	303+93.35	RT	18.15	4.50			81.67								0.18		0.50
310+92.26	314+24.00	RT	331.74	5.00			1658.70								3.32		10.24
314+24.00	315+12.38	RT	88.38	6.00			530.28								0.88		3.27
325+41.80	326+90.98	RT	149.18	5.00	1.0118		754.70								1.51		4.71
326+90.98	327+08.93	RT	17.95	4.50	1.0118		81.73								0.18		0.51
335+72.80	347+22.56	RT	1149.76	5.00	1.0122		5818.94								11.64		36.36
347+22.56	351+51.86	RT	429.30	5.00	1.0093		2166.46								4.33		13.50
351+51.86	351+58.97	RT	7.11	5.00	1.0094		35.88								0.07		0.22
351+58.97	351+94.48	RT	35.51	4.50	1.0096		161.33								0.36		1.01
SOUTHBOUND I.R. 77 BL																	
406+56.16	406+74.56	LT	18.40	4.50	0.9871		81.73								0.18		0.50
406+74.56	408+14.66	LT	140.10	5.00	0.9866		691.11								1.38		4.21
411+38.36	411+64.84	LT	26.48	5.00			132.40								0.26		0.82
428+19.00	428+37.20	LT	18.20	4.50	0.9914		81.20								0.18		0.50
428+37.20	430+06.94	LT	169.74	5.00	0.9913		841.32								1.68		5.15
430+06.94	430+14.41	LT	7.47	5.00	0.9914		37.03								0.07		0.23
440+97.14	448+03.37	LT	706.23	5.00	0.9864		3483.13								6.97		21.21
448+03.37	449+75.83	LT	172.46	5.00	0.9905		854.11								1.71		5.22
449+75.83	450+57.03	LT	81.20	5.00	0.9901		401.98								0.80		2.46
450+57.03	451+05.34	LT	48.31	4.50	0.9898		215.18								0.48		1.31
403+49.00	403+67.03	RT	18.03	4.50	1.0069		81.69								0.18		0.51
403+67.03	404+00.00	RT	32.97	5.00	1.0069		165.99								0.33		1.03
404+00.00	404+40.00	RT	41.00	CADD				204.99							0.41		1.27
404+40.00	404+97.98	RT	57.98	5.00	1.0048		291.29								0.58		1.81
405+86.61	406+04.68	RT	18.07	4.50	1.0048		81.71								0.18		0.51
406+04.68	409+71.79	RT	367.11	5.00	1.0048		1844.36								3.69		11.44
409+71.79	414+27.45	RT	455.66	5.00			2278.30								4.56		14.06
414+27.45	418+85.32	RT	457.87	5.00	0.9952		2278.36								4.56		14.00
427+83.11	428+01.25	RT	18.14	4.50	1.0034		81.91								0.18		0.51
428+01.25	430+76.18	RT	274.93	5.00	1.0034		1379.32								2.76		8.54
TOTALS CARRIED TO PAVEMENT SUBSUMMARY															**61**		**189**

CALCULATED SRT
CHECKED CJC

PAVEMENT CALCULATIONS

SUM-77-24.12

STATION FROM	STATION TO	SIDE	LENGTH (L)	AVERAGE WIDTH (W)	CURVE CORRECTION RATIO	EDGE EXT. CURVE CORRECTION RATIO	SURFACE AREA (A=LxW)	CADD AREA							209 LINEAR GRADING, AS PER PLAN		441 2" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, (449), (UNDER GUARDRAIL), AS PER PLAN
			FT	FT			SF	SF							STA		CY
PAVING UNDER GUARDRAIL CONTD.																	
SOUTHBOUND I.R. 77 BL																	
449+74.71	450+56.97	RT	82.26	5.00	1.0064		413.93								0.83		2.57
450+56.97	450+74.50	RT	17.53	4.50	1.0069		79.43								0.18		0.49
450+74.50	451+07.14	RT	32.64	4.50	1.0069		147.89								0.33		0.92
NORTHBOUND I.R. 77 CL																	
678+09.59	678+59.42	RT/IN	42.71	CADD				210.37							0.43		1.30
678+52.42	679+21.92	RT/IN	70.38	5.00			351.90								0.70		2.17
697+36.49	698+23.27	RT/IN	87.50	CADD				438.10							0.88		2.70
698+23.27	698+47.84	RT/IN	24.57	5.00			122.85								0.25		0.76
722+37.67	722+87.50	RT/IN	49.83	CADD				250.00							0.50		1.54
722+87.50	723+50.00	RT/IN	62.50	5.00			312.50								0.63		1.93
769+93.62	770+80.40	RT/IN	87.50	CADD				438.63							0.88		2.71
770+80.40	771+05.40	RT/IN	25.00	5.00			125.00								0.25		0.77
817+17.87	822+00.00	RT/IN	482.13	5.00			2410.65								4.82		14.88
657+67.86	657+74.40	RT/OUT	6.54	5.00	1.0206		33.37								0.07		0.21
657+74.40	658+25.00	RT/OUT	50.60	5.00	1.0206		258.21								0.52		1.63
658+25.00	658+90.97	RT/OUT	65.97	5.00	1.0206		336.64								0.67		2.12
658+90.97	663+63.70	RT/OUT	472.73	5.00			2363.65								4.73		14.59
676+77.52	678+15.85	RT/OUT	138.33	5.00			691.65								1.38		4.27
678+15.85	678+34.01	RT/OUT	18.16	4.50			81.72								0.18		0.50
693+91.36	698+41.65	RT/OUT	450.29	5.00			2251.45								4.50		13.90
698+41.65	698+47.80	RT/OUT	6.15	4.50			27.68								0.06		0.17
698+47.80	700+19.25	SUSPEND AND RESUME EXISTING BRIDGE TO REMAIN															
700+19.25	703+17.26	RT/OUT	298.01	5.00			1490.05								2.98		9.20
																	0.00
719+94.52	722+57.85	RT/OUT	263.33	5.00			1316.65								2.63		8.13
722+57.85	722+76.00	RT/OUT	18.15	4.50			81.67								0.18		0.50
766+98.33	771+05.03	RT/OUT	406.70	5.00			2033.50								4.07		12.55
771+05.03	771+17.93	RT/OUT	12.90	4.50			58.05								0.13		0.36
771+17.93	773+02.32	SUSPEND AND RESUME EXISTING BRIDGE TO REMAIN															
773+02.32	773+03.89	RT/OUT	1.57	4.50			7.06								0.02		0.04
773+03.89	773+08.30	RT/OUT	4.41	5.00			22.05								0.04		0.14
773+08.30	773+62.74	RT/OUT	54.44	5.00	1.0019		272.72								0.55		1.69
817+92.02	820+17.85	RT/OUT	225.83	5.00			1129.15								2.26		6.97
820+17.85	820+36.00	RT/OUT	18.15	4.50			81.67								0.18		0.50
TOTALS CARRIED TO PAVEMENT SUBSUMMARY															**36**		**111**

CALCULATED SRT
CHECKED CJC

PAVEMENT CALCULATIONS

SUM-77-24.12

STATION FROM	STATION TO	SIDE	LENGTH (L)	AVERAGE WIDTH (W)	CURVE CORRECTION RATIO	EDGE EXT. CURVE CORRECTION RATIO	SURFACE AREA (A=LxW)	CADD AREA							209 LINEAR GRADING, AS PER PLAN		441 2" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, (449), (UNDER GUARDRAIL), AS PER PLAN
FROM	TO		FT	FT			SF	SF							STA		CY
PAVING UNDER GUARDRAIL CONTD.																	
SOUTHBOUND I.R. 77 CL																	
657+99.57	658+23.10	LT/OUT	23.53	5.00	0.9793		115.21								0.23		0.70
658+23.10	658+35.00	LT/OUT	11.90	5.00	0.9796		58.29								0.12		0.35
658+35.00	658+90.97	LT/OUT	55.97	5.00	0.9799		274.23								0.55		1.66
658+90.97	669+08.53	LT/OUT	1017.56	5.00			5087.80								10.18		31.41
679+58.00	679+76.15	LT/OUT	18.15	4.50			81.67								0.18		0.50
679+76.15	686+39.48	LT/OUT	663.33	5.00			3316.65								6.63		20.47
695+85.05	698+44.05	LT/OUT	259.00	5.00			1295.00								2.59		7.99
698+44.05	698+45.65	LT/OUT	1.60	4.50			7.20								0.02		0.04
700+16.99	723+04.00	LT/OUT	2287.01	5.00			11435.05								22.87		70.59
723+72.00	723+90.15	LT/OUT	18.15	4.50			81.67								0.18		0.50
723+90.15	725+28.48	LT/OUT	138.33	5.00			691.65								1.38		4.27
763+29.32	771+13.28	LT/OUT	783.96	5.00			3919.80								7.84		24.20
771+13.28	771+15.04	LT/OUT	1.76	4.50			7.92								0.02		0.05
771+15.04	773+11.43	SUSPEND AND RESUME EXISTING BRIDGE TO REMAIN															
773+11.43	773+12.02	LT/OUT	0.59	4.50	0.9981		2.65								0.01		0.02
773+12.02	773+35.00	LT/OUT	22.98	5.00	0.9981		114.68								0.23		0.71
773+35.00	773+54.00	LT/OUT	19.00	5.00	0.9981		94.82								0.19		0.58
773+54.00	777+69.35	LT/OUT	415.35	5.00	0.9981		2072.80								4.15		12.77
820+18.00	820+66.00	LT/OUT	48.00	5.00			240.00								0.48		1.48
821+34.00	821+52.15	LT/OUT	18.15	4.50			81.67								0.18		0.50
821+52.15	822+90.52	LT/OUT	138.37	5.00			691.85								1.38		4.27
657+98.05	658+22.72	LT/IN	24.67	5.00	0.9964		122.91								0.25		0.76
658+22.72	658+23.15	LT/IN	0.43	5.00	0.9964		2.14								0.00		0.01
658+23.15	659+09.85	LT/IN	87.50	CADD				437.63							0.88		2.70
678+71.15	679+33.65	LT/IN	62.50	5.00			312.50								0.63		1.93
679+33.65	679+83.46	LT/IN	50.00	CADD				249.78							0.50		1.54
700+16.99	700+41.47	LT/IN	24.48	5.00			122.40								0.24		0.76
700+41.47	701+28.26	LT/IN	87.50	CADD				437.12							0.88		2.70
722+99.00	723+61.50	LT/IN	62.50	5.00			312.50								0.63		1.93
723+61.50	724+11.33	LT/IN	50.00	CADD				249.78							0.50		1.54
773+11.64	773+35.25	LT/IN	23.61	5.00	0.9996		118.00								0.24		0.73
773+35.25	773+36.65	LT/IN	1.40	5.00	0.9996		7.00								0.01		0.04
773+36.65	774+23.44	LT/IN	87.50	CADD				436.93							0.88		2.70
820+60.51	821+23.01	LT/IN	62.50	5.00			312.50								0.63		1.93
821+23.01	821+72.83	LT/IN	50.00	CADD				249.78							0.50		1.54
TOTALS CARRIED TO PAVEMENT SUBSUMMARY															**67**		**204**

CALCULATED SRT
CHECKED CJC

PAVEMENT CALCULATIONS

SUM-77-24.12

STATION FROM	STATION TO	SIDE	LENGTH (L)	AVERAGE WIDTH (W)	CURVE CORRECTION RATIO	EDGE EXT. CURVE CORRECTION RATIO	SURFACE AREA (A=LxW)	CADD AREA							209 LINEAR GRADING, AS PER PLAN		441 2" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, (449), (UNDER GUARDRAIL), AS PER PLAN
			FT	FT			SF	SF							STA		CY
PAVING UNDER GUARDRAIL CONTD.																	
RAMP L BL																	
115+12.38	119+53.73	RT	441.35	6.00	0.9970		2640.16								4.40		16.25
119+53.73	120+03.73	RT	50.00	7.00	0.9971		348.99								0.50		2.15
120+03.73	120+53.73	RT	50.00	8.00	0.9972		398.88								0.50		2.46
120+53.73	122+70.57	RT	216.84	8.00	0.9930		1722.58								2.15		10.56
122+70.57	124+46.12	RT	175.55	8.00			1404.40								1.76		8.67
124+46.12	126+73.95	RT	227.83	8.00	1.0079		1837.04								2.30		11.43
126+73.95	127+13.42	RT	39.47	5.00	1.0067		198.67								0.40		1.23
RAMP N BL																	
28+10.97	28+32.71	LT			CADD			134.23							0.22		0.83
28+32.71	28+40.66	LT	7.95	6.00			47.70								0.08		0.29
28+40.66	28+51.32	LT	10.66	6.00	0.9943		63.60								0.11		0.39
32+03.36	32+07.56	RT	4.20	5.00	0.9862		20.71								0.04		0.13
32+07.56	35+22.56	RT	315.00	5.00	0.9945		1566.34								3.13		9.62
35+22.56	35+72.56	RT	50.00	5.00	0.9956		248.90								0.50		1.53
RAMP R BL																	
10+70.74	11+07.17	LT	36.43	5.00	0.9755		177.69								0.36		1.07
RAMP S BL																	
11+65.00	12+15.00	LT	50.00	5.00	0.9973		249.33								0.50		1.53
12+15.00	13+65.00	LT	150.00	5.00	0.9976		748.20								1.50		4.61
13+65.00	15+65.00	LT	200.00	5.00	0.9952		995.20								1.99		6.11
15+65.00	19+00.76	LT	335.76	5.00	0.9881		1658.82								3.32		10.12
GHENT ROAD BL																	
90+54.14	91+29.14	LT	96.51	5.00			482.57								0.97		2.98
97+79.56	98+00.89	LT	21.33	5.00			106.65								0.21		0.66
90+34.85	90+55.15	RT			CADD			127.03							0.20		0.00
90+55.15	91+29.30	RT	74.15	5.00			370.75								0.74		2.29
97+49.91	97+99.90	RT	49.99	5.00			249.95								0.50		1.54
99+45.87	99+55.97	RT			CADD			89.50							0.10		0.55
99+55.97	99+80.90	RT	24.93	5.00			124.65								0.25		0.77
TOTALS CARRIED TO PAVEMENT SUBSUMMARY															**27**		**98**

CALCULATED SRT
CHECKED CJC

PAVEMENT CALCULATIONS

SUM-77-24.12

STATION		SIDE	LENGTH (L)	AVERAGE WIDTH (W)	CURVE CORRECTION RATIO	EDGE EXT. CURVE CORRECTION RATIO	SURFACE AREA (A=LxW)	CADD AREA							408		617	617	617											
															PRIME COAT, AS PER PLAN (0.4 GAL/SY)		WATER ((A*0.300)/1000)	COMPACTED AGGREGATE, AS PER PLAN (T=2")	SHOULDER PREPARATION											
FROM	TO		FT	FT			SF	SF							GAL		MGAL	CY	SY											
SHOULDER PREPARATION/COMPACTED AGGREGATE																														
NORTHBOUND I.R. 77 BL																														
305+62.86	321+90.50	LT	1627.64	2.00			3255.28								144.68		0.98	20.09	361.70											
321+90.50	324+90.50	LT	300.00	2.00	0.9972		598.32								26.52		0.18	3.68	66.29											
324+90.50	325+24.63	LT	34.13	2.00	0.9945		67.88								3.00		0.02	0.42	7.50											
328+45.93	329+73.70	LT	127.77	2.00	0.9945		254.13								11.23		0.08	1.56	28.08											
329+73.70	350+98.38	LT	2124.68	2.00	0.9957		4231.09								187.24		1.26	26.01	468.10											
350+98.38	351+52.09	LT			CADD			101.79							4.52		0.03	0.63	11.31											
301+00.00	302+00.00	RT	100.00	2.50			250.00								11.11		0.08	1.54	27.78											
302+00.00	302+36.87	RT	36.87	5.00			184.35								8.19		0.06	1.14	20.48											
304+82.35	305+00.00	RT	17.65	2.50			44.13								1.96		0.01	0.27	4.90											
310+50.00	310+92.26	RT	42.26	2.50			105.65								4.70		0.03	0.65	11.74											
325+00.00	325+41.80	RT	41.80	2.50	1.0057		105.10								4.70		0.03	0.65	11.74											
328+36.52	328+50.00	RT	13.48	2.50	1.0089		34.00								1.52		0.01	0.21	3.81											
SOUTHBOUND I.R. 77 BL																														
405+00.00	405+50.00	LT	50.00	2.50	0.9881		123.51								5.42		0.04	0.75	13.56											
405+50.00	405+66.13	LT	16.13	5.00	0.9876		79.65								3.50		0.02	0.49	8.74											
408+14.66	408+50.00	LT	35.34	2.50	0.9865		87.16								3.82		0.03	0.53	9.55											
411+00.00	411+38.36	LT	38.36	2.50	0.9850		94.46								4.14		0.03	0.57	10.34											
430+14.41	430+50.00	LT	35.59	5.00	0.9918		176.49								7.78		0.05	1.08	19.45											
430+50.00	431+00.00	LT	50.00	2.50	0.9928		124.10								5.48		0.04	0.76	13.69											
433+00.00	434+00.00	LT	100.00	2.50	0.9869		246.73								10.82		0.07	1.50	27.06											
434+00.00	440+97.14	LT	697.14	5.00	0.9864		3438.29								150.73		1.02	20.94	376.84											
408+54.37	409+71.79	RT	117.42	2.00	1.0045		235.90								10.53		0.07	1.46	26.33											
409+71.79	411+63.54	RT	191.75	2.00			383.50								17.04		0.12	2.37	42.61											
418+85.32	422+73.97	RT	388.65	2.00	0.9955		773.80								34.24		0.23	4.76	85.59											
422+73.97	426+94.12	RT	420.15	2.00			840.30								37.35		0.25	5.19	93.37											
430+76.18	431+16.24	RT	40.06	2.00	1.0032		80.38								3.58		0.02	0.50	8.96											
431+16.24	448+03.37	RT	1687.13	2.00	1.0063		3395.52								151.86		1.03	21.09	379.66											
448+03.37	448+60.00	RT	56.63	2.00	1.0044		113.76								5.08		0.03	0.71	12.70											
448+60.00	449+74.71	RT	114.71	2.00	1.0050		230.57								10.30		0.07	1.43	25.75											
TOTALS CARRIED TO PAVEMENT SUBSUMMARY															**872**		**6**	**121**	**2178**											

CALCULATED SRT

CHECKED CJC

PAVEMENT CALCULATIONS

SUM-77-24.12

STATION FROM	STATION TO	SIDE	LENGTH (L)	AVERAGE WIDTH (W)	CURVE CORRECTION RATIO	EDGE EXT. CURVE CORRECTION RATIO	SURFACE AREA (A=LxW)	CADD AREA							408 PRIME COAT, AS PER PLAN (0.4 GAL/SY)		617 WATER ((A*0.300)/1000)	617 COMPACTED AGGREGATE, AS PER PLAN (T=2")	617 SHOULDER PREPARATION										
FROM	TO		FT	FT			SF	SF							GAL		MGAL	CY	SY										
SHOULDER PREPARATION/COMPACTED AGGREGATE CONTD.																													
NORTHBOUND I.R. 77 CL																													
657+71.42	658+75.70	RT/IN	104.28	2.00	1.0038		209.35								9.34		0.06	1.30	23.26										
658+75.70	658+90.97	RT/IN	15.27	2.00	1.0044		30.67								1.37		0.01	0.19	3.41										
658+90.97	660+25.00	RT/IN			CADD			268.05							11.91		0.08	1.65	29.78										
660+25.00	664+11.42	RT/IN	386.42	2.00			772.84								34.35		0.23	4.77	85.87										
664+11.42	666+40.76	RT/IN			CADD			468.91							20.84		0.14	2.89	52.10										
666+59.23	666+72.48	RT/IN			CADD			68.84							3.06		0.02	0.42	7.65										
666+72.48	697+74.99	RT/IN	3102.51	2.00			6205.02								275.78		1.86	38.30	689.45										
697+74.99	698+17.41	RT/IN			CADD			76.77							3.41		0.02	0.47	8.53										
700+19.45	700+24.43	RT/IN	4.98	2.00			9.96								0.44		0.00	0.06	1.11										
700+24.43	702+55.00	RT/IN			CADD			461.15							20.50		0.14	2.85	51.24										
702+55.00	751+97.42	RT/IN	4942.42	2.00			9884.84								439.33		2.97	61.02	1098.32										
751+97.42	754+26.76	RT/IN			CADD			468.16							20.81		0.14	2.89	52.02										
754+45.24	754+58.48	RT/IN			CADD			65.81							2.93		0.02	0.41	7.31										
754+58.48	770+40.00	RT/IN	1581.52	2.00			3163.04								140.58		0.95	19.52	351.45										
770+40.00	770+72.85	RT/IN			CADD			57.91							2.57		0.00	0.36	6.43										
771+05.40	771+17.70	RT/IN	12.30	2.00			24.60								1.09		0.01	0.15	2.73										
773+01.78	773+04.05	RT/IN	2.27	2.00			4.54								0.20		0.00	0.03	0.50										
773+04.05	773+08.30	RT/IN			CADD			8.52							0.38		0.00	0.05	0.95										
773+08.30	775+00.00	RT/IN	191.70	2.00	1.0005		383.59								17.06		0.12	2.37	42.62										
775+00.00	781+08.30	RT/IN	608.30	2.00	1.0006		1217.33								54.14		0.37	7.52	135.26										
781+06.64	817+17.87	RT/IN	3611.23	2.00			7222.46								321.00		2.17	44.58	802.50										
822+00.00	836+86.42	RT/IN	1486.42	2.00			2972.84								132.13		0.89	18.35	330.32										
836+86.42	839+15.76	RT/IN			CADD			468.63							20.83		0.14	2.89	52.07										
839+34.24	839+47.48	RT/IN			CADD			68.83							3.06		0.02	0.42	7.65										
839+47.48	842+00.00	RT/IN	252.52	2.00			505.04								22.45		0.15	3.12	56.12										
663+63.70	676+77.52	RT/OUT	1313.82	5.00			6569.10								291.96		1.97	40.55	729.90										
690+00.00	691+00.00	RT/OUT	100.00	2.50			250.00								11.11		0.08	1.54	27.78										
691+00.00	693+91.36	RT/OUT	291.36	5.00			1456.80								64.75		0.44	8.99	161.87										
TOTALS CARRIED TO PAVEMENT SUBSUMMARY															**1928**		**13**	**268**	**4819**										

CALCULATED SRT
CHECKED CJC

PAVEMENT CALCULATIONS

SUM-77-24.12

STATION		SIDE	LENGTH (L)	AVERAGE WIDTH (W)	CURVE CORRECTION RATIO	EDGE EXT. CURVE CORRECTION RATIO	SURFACE AREA (A=LxW)	CADD AREA							408		617	617	617											
															PRIME COAT, AS PER PLAN (0.4 GAL/SY)		WATER ((A*0.300)/1000)	COMPACTED AGGREGATE, AS PER PLAN (T=2")	SHOULDER PREPARATION											
FROM	TO		FT	FT			SF	SF							GAL		MGAL	CY	SY											
SHOULDER PREPARATION/COMPACTED AGGREGATE CONTD.																														
NORTHBOUND I.R. 77 CL																														
703+17.26	713+00.00	RT/OUT	982.74	5.00			4913.70								218.39		1.47	30.33	545.97											
713+00.00	714+00.00	RT/OUT	100.00	2.50			250.00								11.11		0.08	1.54	27.78											
719+50.00	719+94.52	RT/OUT	44.52	2.50			111.30								4.95		0.03	0.69	12.37											
723+45.00	724+00.00	RT/OUT	55.00	2.50			137.50								6.11		0.04	0.85	15.28											
762+00.00	763+00.00	RT/OUT	100.00	2.50			250.00								11.11		0.08	1.54	27.78											
763+00.00	766+98.33	RT/OUT	398.33	5.00			1991.65								88.52		0.60	12.29	221.29											
774+00.00	775+00.00	RT/OUT	100.00	2.50	1.0020		250.50								11.16		0.08	1.55	27.89											
775+00.00	780+07.89	RT/OUT	507.89	5.00	1.0021		2544.78								113.34		0.77	15.74	283.35											
785+00.00	786+00.00	RT/OUT	100.00	2.50			250.00								11.11		0.08	1.54	27.78											
786+00.00	797+00.00	RT/OUT	1100.00	5.00			5500.00								244.44		1.65	33.95	611.11											
797+00.00	798+00.00	RT/OUT	100.00	2.50			250.00								11.11		0.08	1.54	27.78											
799+15.80	816+00.00	RT/OUT			CADD			8420.77							374.26		2.53	51.98	935.64											
816+00.00	817+92.02	RT/OUT	192.02	5.00			960.10								42.67		0.29	5.93	106.68											
821+05.00	822+00.00	RT/OUT	95.00	2.50			237.50								10.56		0.07	1.47	26.39											
837+00.00	838+00.00	RT/OUT	100.00	2.50			250.00								11.11		0.08	1.54	27.78											
838+00.00	842+00.00	RT/OUT	400.00	5.00			2000.00								88.89		0.60	12.35	222.22											
SOUTHBOUND I.R. 77 CL																														
657+79.99	657+99.57	LT/OUT	19.58	2.50	0.9796		47.95								2.09		0.01	0.29	5.22											
669+08.53	670+00.00	LT/OUT	91.47	2.50			228.68								10.16		0.07	1.41	25.41											
678+00.00	678+90.00	LT/OUT	90.00	2.50			225.00								10.00		0.07	1.39	25.00											
686+39.48	687+00.00	LT/OUT	60.52	2.50			151.30								6.72		0.05	0.93	16.81											
689+00.00	689+48.70	LTOUT	48.70	1.53			74.51								3.31		0.02	0.46	8.28											
689+68.80	690+00.00	LT/OUT	31.20	4.03			125.74								5.59		0.04	0.78	13.97											
690+00.00	691+00.00	LT/OUT	100.00	5.00			500.00								22.22		0.15	3.09	55.56											
691+00.00	692+00.00	LT/OUT	100.00	2.50			250.00								11.11		0.08	1.54	27.78											
TOTALS CARRIED TO PAVEMENT SUBSUMMARY															**1331**		**10**	**185**	**3326**											

CALCULATED SRT

CHECKED CJC

PAVEMENT CALCULATIONS

SUM-77-24.12

STATION		SIDE	LENGTH (L)	AVERAGE WIDTH (W)	CURVE CORRECTION RATIO	EDGE EXT. CURVE CORRECTION RATIO	SURFACE AREA (A=LxW)	CADD AREA							408		617	617	617											
															PRIME COAT, AS PER PLAN (0.4 GAL/SY)		WATER ((A*0.300)/1000)	COMPACTED AGGREGATE, AS PER PLAN (T=2")	SHOULDER PREPARATION											
FROM	TO		FT	FT			SF	SF							GAL		MGAL	CY	SY											
SHOULDER PREPARATION/COMPACTED AGGREGATE CONTD.																														
SOUTHBOUND I.R. 77 CL																														
695+00.00	695+85.05	LT/OUT	85.05	2.50			212.63								9.45		0.06	1.31	23.63											
713+98.57	714+50.00	LT/OUT	51.43	2.50			128.57								5.71		0.04	0.79	14.29											
718+00.00	718+31.04	LT/OUT	31.04	2.50			77.60								3.45		0.02	0.48	8.62											
725+28.48	725+75.00	LT/OUT	46.52	2.50			116.30								5.17		0.03	0.72	12.92											
756+00.00	757+00.00	LT/OUT	100.00	2.50			250.00								11.11		0.08	1.54	27.78											
757+00.00	763+29.32	LT/OUT	629.32	5.00			3146.60								139.85		0.94	19.42	349.62											
777+69.35	780+00.00	LT/OUT	230.65	5.00	0.9979		1150.83								51.04		0.34	7.10	127.87											
780+00.00	781+00.00	LT/OUT	100.00	2.50	0.9979		249.48								11.06		0.07	1.54	27.72											
782+00.00	789+94.04	LT/OUT			CADD			3717.15							165.21		1.12	22.95	413.02											
791+09.16	794+05.00	LT/OUT	295.84	5.00			1479.20								65.74		0.44	9.13	164.36											
794+05.00	795+00.00	LT/OUT	95.00	2.50			237.50								10.56		0.07	1.47	26.39											
820+00.00	820+18.00	LT/OUT	18.00	2.50			45.00								2.00		0.01	0.28	5.00											
822+90.52	823+50.00	LT/OUT	59.48	2.50			148.70								6.61		0.04	0.92	16.52											
826+00.00	827+00.00	LT/OUT	100.00	2.50			250.00								11.11		0.08	1.54	27.78											
827+00.00	828+00.00	LT/OUT	100.00	2.50			250.00								11.11		0.08	1.54	27.78											
658+28.17	658+70.00	LT/IN			CADD			71.08							3.16		0.02	0.44	7.90											
658+70.00	666+27.54	LT/IN	757.54	2.00			1515.08								67.34		0.45	9.35	168.34											
666+27.54	666+47.76	LT/IN			CADD			68.82							3.06		0.02	0.42	7.65											
666+59.23	668+88.58	LT/IN			CADD			469.01							20.84		0.14	2.90	52.11											
668+88.58	695+80.00	LT/IN	2691.42	2.00			5382.84								239.24		1.61	33.23	598.09											
695+80.00	698+44.63	LT/IN			CADD			529.28							23.52		0.16	3.27	58.81											
698+44.63	698+45.25	LT/IN	0.62	2.00			1.24								0.06		0.00	0.01	0.14											
700+46.82	700+85.00	LT/IN			CADD			68.19							3.03		0.02	0.42	7.58											
700+85.00	754+13.54	LT/IN	5328.54	2.00			10657.08								473.65		3.20	65.78	1184.12											
754+13.54	754+26.76	LT/IN			CADD			68.81							3.06		0.02	0.42	7.65											
TOTALS CARRIED TO PAVEMENT SUBSUMMARY															**1347**		**10**	**187**	**3366**											

CALCULATED SRT
CHECKED CJC

PAVEMENT CALCULATIONS

SUM-77-24.12

STATION FROM	STATION TO	SIDE	LENGTH (L)	AVERAGE WIDTH (W)	CURVE CORRECTION RATIO	EDGE EXT. CURVE CORRECTION RATIO	SURFACE AREA (A=LxW)	CADD AREA							408 PRIME COAT, AS PER PLAN (0.4 GAL/SY)		617 WATER ((A*0.300)/1000)	617 COMPACTED AGGREGATE, AS PER PLAN (T=2")	617 SHOULDER PREPARATION										
FROM	TO		FT	FT			SF	SF							GAL		MGAL	CY	SY										
SHOULDER PREPARATION/COMPACTED AGGREGATE CONTD.																													
SOUTHBOUND I.R. 77 CL																													
754+45.36	756+74.58	LT/IN			CADD			469.01							20.85		0.14	2.90	52.11										
756+74.58	769+20.00	LT/IN	1245.42	2.00			2490.84								110.70		0.75	15.38	276.76										
769+20.00	771+12.52	LT/IN			CADD			385.31							17.12		0.12	2.38	42.81										
771+12.52	771+14.91	LT/IN	2.39	2.00			4.78								0.21		0.00	0.03	0.53										
773+43.13	773+75.00	LT/IN			CADD			55.79							2.48		0.02	0.34	6.20										
773+75.00	839+02.52	LT/IN	6527.52	2.00			13055.04								580.22		3.92	80.59	1450.56										
839+02.52	839+15.76	LT/IN			CADD			68.84							3.06		0.02	0.42	7.65										
839+34.24	841+63.58	LT/IN			CADD			469.00							20.84		0.14	2.90	52.11										
841+63.58	842+00.00	LT/IN	36.42	2.00			72.84								3.24		0.02	0.45	8.09										
RAMP L BL																													
119+53.73	120+53.73	LT	100.00	3.00	1.0057		301.71								13.49		0.09	1.87	33.71										
120+53.73	122+70.57	LT	216.84	3.00	1.0143		659.82								29.74		0.20	4.13	74.36										
122+70.57	124+46.12	LT	175.55	3.00			526.65								23.41		0.16	3.25	58.52										
124+46.12	127+24.25	LT	278.13	3.00	0.9776		815.70								35.44		0.24	4.92	88.60										
127+24.25	128+10.61	LT	86.36	3.00			259.08								11.51		0.08	1.60	28.79										
128+10.61	128+19.56	LT			CADD			14.92							0.66		0.00	0.09	1.66										
127+12.42	127+24.25	RT	11.83	4.51	1.0065		53.70								2.40		0.02	0.33	6.01										
127+24.25	127+50.00	RT	25.75	3.01			77.51								3.44		0.02	0.48	8.61										
127+50.00	127+73.15	RT	23.15	2.00			46.30								2.06		0.01	0.29	5.14										
127+73.15	128+41.51	RT			CADD			137.64							6.12		0.04	0.85	15.29										
RAMP N BL																													
28+51.32	29+00.00	LT	48.68	4.50	0.9945		217.86								9.63		0.06	1.34	24.07										
29+00.00	30+00.00	LT	100.00	3.00	0.9947		298.41								13.19		0.09	1.83	32.98										
30+00.00	30+50.00	LT	50.00	4.50	0.9945		223.76								9.89		0.07	1.37	24.73										
30+50.00	30+57.62	LT	7.62	6.00	0.9943		45.46								2.01		0.01	0.28	5.02										
30+57.62	31+41.24	LT	83.62	6.00	1.0192		511.35								23.16		0.16	3.22	57.91										
31+41.24	32+07.56	LT	66.32	6.00	1.0192		405.56								18.37		0.12	2.55	45.93										
32+07.56	33+25.00	LT	117.44	6.00	1.0096		711.40								31.92		0.22	4.43	79.80										
33+25.00	33+50.00	LT	25.00	4.50	1.0093		113.55								5.09		0.03	0.71	12.73										
33+50.00	33+66.45	LT	16.45	3.00	1.0089		49.79								2.23		0.02	0.31	5.58										
28+07.82	28+71.86	RT			CADD			131.72							5.85		0.04	0.81	14.64										
28+71.86	30+57.62	RT	185.76	2.00	1.0039		372.97								16.64		0.11	2.31	41.60										
30+57.62	31+72.56	RT	114.94	2.00	0.9869		226.87								9.95		0.07	1.38	24.88										
31+72.56	32+00.00	RT	27.44	2.00	0.9872		54.18								0.00		0.02	0.33	5.94										
32+00.00	32+03.36	RT	3.36	5.00	0.9861		16.57								0.73		0.00	0.10	1.82										
TOTALS CARRIED TO PAVEMENT SUBSUMMARY															**111**		**8**	**145**	**2596**										

CALCULATED SRT

CHECKED SJC

PAVEMENT CALCULATIONS

SUM-77-24.12

STATION FROM	STATION TO	SIDE	LENGTH (L)	AVERAGE WIDTH (W)	CURVE CORRECTION RATIO	EDGE EXT. CURVE CORRECTION RATIO	SURFACE AREA (A=LxW)	CADD AREA							408 PRIME COAT, AS PER PLAN (0.4 GAL/SY)		617 WATER ((A*0.300)/1000)	617 COMPACTED AGGREGATE, AS PER PLAN (T=2")	617 SHOULDER PREPARATION										
FROM	TO		FT	FT			SF	SF							GAL		MGAL	CY	SY										
	SHOULDER PREPARATION/COMPACTED AGGREGATE CONTD.																												
RAMP P BL																													
215+89.75	216+06.38	RT	16.63	3.00	1.0578		52.77								2.35		0.02	0.33	5.86										
216+06.38	219+50.00	RT	343.62	3.00	1.1002		1134.15								50.41		0.34	7.00	126.02										
219+50.00	220+00.00	RT	50.00	4.50	1.1038		248.36								11.04		0.07	1.53	27.60										
220+00.00	220+50.00	RT	50.00	4.50	1.1038		248.36								11.04		0.07	1.53	27.60										
220+50.00	221+08.08	RT	58.08	3.00	1.1002		191.70								8.52		0.06	1.18	21.30										
221+08.08	223+08.08	RT	200.00	3.00	1.0501		630.06								28.00		0.19	3.89	70.01										
212+08.05	212+44.44	LT			CADD			161.39							7.17		0.05	1.00	17.93										
212+44.44	212+54.44	LT	10.00	3.50			35.00								1.56		0.01	0.22	3.89										
212+54.44	213+00.79	LT	46.35	5.00			231.75								10.30		0.07	1.43	25.75										
213+00.79	213+15.79	LT	15.00	3.00			45.00								2.00		0.01	0.28	5.00										
213+15.79	213+20.72	LT			CADD			29.60							1.32		0.01	0.18	3.29										
214+33.03	214+76.56	LT	43.53	2.00	0.9438		82.17								3.65		0.02	0.51	9.13										
214+76.56	215+25.00	LT	48.44	2.00	0.9438		91.44								4.06		0.03	0.56	10.16										
215+25.00	215+75.00	LT			CADD			95.96							4.26		0.03	0.59	10.66										
215+75.00	216+06.38	LT	31.38	2.00	0.9829		61.69								2.74		0.02	0.38	6.85										
216+06.38	221+08.08	LT	501.70	2.00	0.9658		969.08								43.07		0.29	5.98	107.68										
221+08.08	223+08.08	LT	200.00	2.00	0.9805		392.20								17.43		0.12	2.42	43.58										
RAMP R BL																													
11+96.48	11+99.26	RT			CADD			11.08							0.49		0.00	0.07	1.23										
11+99.26	12+25.00	RT	25.74	3.50	1.0598		95.48								4.24		0.03	0.59	10.61										
12+25.00	13+21.45	RT	96.45	5.00	1.0619		512.10																						
11+07.17	11+50.00	LT	42.83	3.50	0.9777		146.56								6.51		0.04	0.90	16.28										
11+50.00	14+33.03	LT	283.03	2.00	0.9798		554.63								24.65		0.17	3.42	61.63										
RAMP S BL																													
14+28.98	15+65.00	RT	136.02	3.00	1.0058		410.43								18.24		0.12	2.53	45.60										
15+65.00	19+34.51	RT	369.51	3.00	1.0286		1140.23								50.68		0.34	7.04	126.69										
19+34.51	21+36.34	RT	201.83	3.00			605.49								26.91		0.18	3.74	67.28										
21+36.34	24+71.39	RT	335.05	3.00	0.9401		944.94								42.00		0.28	5.83	104.99										
19+00.76	19+34.51	LT	33.75	2.00	0.9986		67.41								3.00		0.02	0.42	7.49										
19+34.51	21+36.34	LT	201.83	2.00			403.66								17.94		0.12	2.49	44.85										
21+36.34	25+42.94	LT	406.60	2.00	1.0029		815.56								36.25		0.24	5.03	90.62										
25+42.94	27+00.00	LT	157.06	2.00			314.12								13.96		0.09	1.94	34.90										
27+00.00	27+81.06	LT			CADD			332.93							14.80		0.10	2.06	36.99										
TOTALS CARRIED TO PAVEMENT SUBSUMMARY															**469**		**4**	**66**	**1172**										

CALCULATED SRT
CHECKED CJC

PAVEMENT CALCULATIONS

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STATION		SIDE	LENGTH (L)	AVERAGE WIDTH (W)	CURVE CORRECTION RATIO	EDGE EXT. CURVE CORRECTION RATIO	SURFACE AREA (A=LxW)	CADD AREA							408		617	617	617											
															PRIME COAT, AS PER PLAN (0.4 GAL/SY)		WATER ((A*0.300)/1000)	COMPACTED AGGREGATE, AS PER PLAN (T=2")	SHOULDER PREPARATION											
FROM	TO		FT	FT			SF	SF							GAL		MGAL	CY	SY											
	SHOULDER PREPARATION/COMPACTED AGGREGATE CONTD.																													
RAMP A BL																														
84+53.00	84+53.98	LT			CADD			5.81							0.26		0.00	0.04	0.65											
84+53.98	85+70.12	LT	116.14	3.00	1.0054		350.30								15.57		0.11	2.16	38.92											
85+70.12	87+12.50	LT	142.38	3.00			427.14								18.98		0.13	2.64	47.46											
87+12.50	88+12.50	LT			CADD			300.60							13.36		0.09	1.86	33.40											
88+12.50	88+26.34	LT	13.84	3.00			41.52								1.85		0.01	0.26	4.61											
88+26.34	89+21.54	LT	95.20	3.00	0.9537		272.38								12.11		0.08	1.68	30.26											
89+21.54	90+25.00	LT	103.46	3.00			310.38								13.79		0.09	1.92	34.49											
90+25.00	90+50.00	LT			CADD			75.92							3.37		0.02	0.47	8.44											
80+07.89	81+00.00	RT	92.11	3.50	0.9974		321.55								14.29		0.10	1.98	35.73											
81+00.00	84+53.51	RT	353.51	2.00	0.9976		705.32								31.35		0.21	4.35	78.37											
84+53.51	85+53.51	RT			CADD			220.39							0.00		0.00	0.00	0.00											
85+53.51	85+70.12	RT	16.61	2.00	0.9966		33.11								1.47		0.01	0.20	3.68											
85+70.12	88+26.34	RT	256.22	2.00			512.44								22.78		0.15	3.16	56.94											
88+26.34	89+21.54	RT	95.20	2.00	1.0204		194.28								8.63		0.06	1.20	21.59											
89+21.54	90+50.00	RT	128.46	2.00			256.92								11.42		0.08	1.59	28.55											
RAMP B BL																														
5+17.21	5+22.77	LT	5.56	3.00			16.68								0.74		0.01	0.10	1.85											
5+22.77	5+47.24	LT	24.47	3.00	1.0247		75.22								3.34		0.02	0.46	8.36											
5+47.24	6+65.64	LT	118.40	3.00	1.0242		363.80								16.17		0.11	2.25	40.42											
6+65.64	8+05.06	LT	139.42	3.00	1.0121		423.32								18.81		0.13	2.61	47.04											
5+17.21	5+61.04	RT			CADD			76.30							3.39		0.02	0.47	8.48											
5+61.04	5+92.21	RT	31.17	2.00	0.9878		61.58								0.00		0.00	0.00	0.00											
5+92.21	6+50.00	RT	57.79	2.00	0.9870		114.08								5.07		0.03	0.70	12.68											
6+50.00	6+65.64	RT	15.64	3.50	0.9862		53.98								2.40		0.02	0.33	6.00											
6+65.64	8+65.64	RT	200.00	5.00	0.9926		992.60								44.12		0.30	6.13	110.29											
8+65.64	9+15.64	RT	50.00	5.00	0.9932		248.30								11.04		0.07	1.53	27.59											
TOTALS CARRIED TO PAVEMENT SUBSUMMARY															275		2	39	686											

CALCULATED SRT
CHECKED CJC

PAVEMENT CALCULATIONS

SUM-77-24.12

STATION FROM	STATION TO	SIDE	LENGTH (L)	AVERAGE WIDTH (W)	CURVE CORRECTION RATIO	EDGE EXT. CURVE CORRECTION RATIO	SURFACE AREA (A=LxW)	CADD AREA							PRIME COAT, AS PER PLAN (0.4 GAL/SY)		WATER ((A*0.300)/1000)	COMPACTED AGGREGATE, AS PER PLAN (T=2")	SHOULDER PREPARATION										
															408		617	617	617										
FROM	TO		FT	FT			SF	SF							GAL		MGAL	CY	SY										
SHOULDER PREPARATION/COMPACTED AGGREGATE CONTD.																													
RAMP C BL																													
99+00.00	99+25.00	RT			CADD			75.01							3.33		0.02	0.46	8.33										
99+25.00	99+99.50	RT	74.50	3.00			223.50								9.93		0.07	1.38	24.83										
99+99.50	100+94.55	RT	95.05	3.00	0.9678		275.97								12.27		0.08	1.70	30.66										
100+94.55	103+51.37	RT	256.82	3.00			770.46								34.24		0.23	4.76	85.61										
103+51.37	104+68.68	RT	117.31	3.00	1.0054		353.83								15.73		0.11	2.18	39.31										
99+00.00	99+25.00	LT			CADD			50.02							2.22		0.02	0.31	5.56										
99+25.00	99+53.13	LT	28.13	2.00			56.26								2.50		0.02	0.35	6.25										
99+53.13	99+97.56	LT	44.43	3.06			135.96								6.04		0.04	0.84	15.11										
99+97.56	100+04.43	LT			CADD			32.35							1.44		0.01	0.20	3.59										
100+04.43	100+94.55	LT	90.12	5.00	1.0228		460.87								20.48		0.14	2.84	51.21										
100+94.55	101+00.00	LT	5.45	5.00			27.25								1.21		0.01	0.17	3.03										
101+00.00	101+37.86	LT	37.86	2.00			75.72								3.37		0.02	0.47	8.41										
101+37.86	102+52.70	LT	114.84	2.00			229.68								10.21		0.07	1.42	25.52										
102+52.70	103+68.14	LT			CADD			220.81							9.81		0.07	1.36	24.53										
103+68.14	104+68.14	LT	100.00	2.00	0.9971		199.42								8.86		0.06	1.23	22.16										
104+68.14	109+21.63	LT	453.49	2.00	0.9976		904.80								40.21		0.27	5.59	100.53										
RAMP D BL																													
21+08.21	22+44.24	RT	136.03	3.00	1.0121		413.03								18.36		0.12	2.55	45.89										
22+44.24	23+34.25	RT	90.01	3.00	1.0242		276.56								12.29		0.08	1.71	30.73										
23+34.25	23+74.44	RT	40.19	3.00			120.57								5.36		0.04	0.74	13.40										
23+74.44	24+04.44	RT			CADD			90.17							4.01		0.03	0.56	10.02										
19+94.24	20+44.24	LT			CADD			250.66							11.14		0.08	1.55	27.85										
20+44.24	22+44.24	LT	200.00	5.00	0.9926		992.60								44.12		0.30	6.13	110.29										
22+44.24	22+89.44	LT	45.20	5.00	0.9853		222.68								9.90		0.07	1.37	24.74										
22+89.44	23+93.14	LT			CADD			362.33							16.10		0.11	2.24	40.26										
TOTALS CARRIED TO PAVEMENT SUBSUMMARY															**304**		**3**	**43**	**758**										

CALCULATED SRT
CHECKED CJC

PAVEMENT CALCULATIONS

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STATION FROM	STATION TO	SIDE	LENGTH (L)	AVERAGE WIDTH (W)	CURVE CORRECTION RATIO	EDGE EXT. CURVE CORRECTION RATIO	SURFACE AREA (A=LxW)	CADD AREA							618 RUMBLE STRIPS, SHOULDER (ASPHALT CONCRETE)
			FT	FT			SF	SF							MILE
RUMBLE STRIPS															
NORTHBOUND I.R. 77 BL															
299+00.00	352+12.42	LT	5312.42												1.006
299+00.00	315+12.38	RT	1612.38												0.305
318+54.59	333+67.27	RT	1512.68												0.286
335+72.75	352+15.76	RT	1643.01												0.311
SOUTHBOUND I.R. 77 BL															
399+00.00	411+65.00	LT	1265.00												0.240
413+30.79	424+07.25	LT	1076.46												0.204
427+61.56	451+03.05	LT	2341.49												0.443
399+00.00	451+06.76	RT	5206.76												0.986
NORTHBOUND I.R. 77 CL															
657+71.03	698+47.83	LT	4076.80												0.772
700+19.43	771+17.72	LT	7098.29												1.344
773+01.84	842+00.00	LT	6898.16												1.306
657+68.20	698+47.80	RT	4079.60												0.773
700+19.27	771+17.91	RT	7098.64												1.344
773+02.27	780+07.89	RT	705.62												0.134
783+52.50	799+04.12	RT	1551.62												0.294
799+15.64	842+00.00	RT	4284.36												0.811
SOUTHBOUND I.R. 77 CL															
657+79.64	698+45.61	LT	4065.97												0.770
700+16.98	771+15.03	LT	7098.05												1.344
772+99.10	789+94.24	LT	1695.14												0.321
790+09.16	805+67.32	LT	1558.16												0.295
809+21.63	842+00.00	LT	3278.37												0.621
657+76.32	698+45.29	RT	4068.97												0.771
700+16.87	771+14.92	RT	7098.05												1.344
772+99.21	842+00.00	RT	6900.79												1.307
TOTALS CARRIED TO PAVEMENT SUBSUMMARY															**18**

CALCULATED SRT
CHECKED CJC

PAVEMENT CALCULATIONS

SUM-77-24.12

STATION FROM	STATION TO	SIDE	LENGTH (L)	AVERAGE WIDTH (W)	CURVE CORRECTION RATIO	EDGE EXT. CURVE CORRECTION RATIO	SURFACE AREA (A=LxW)	CADD AREA							618 RUMBLE STRIPS, SHOULDER (ASPHALT CONCRETE)
			FT	FT			SF	SF							MILE
		RUMBLE STRIPS CONTD.													
RAMP L BL															
115+12.38	118+55.10	RT	342.72												0.065
RAMP N BL															
34+65.16	35+72.56	RT	107.40												0.020
RAMP P BL															
224+06.74	227+61.56	LT	354.82												0.067
RAMP S BL															
11+65.00	13+30.91	LT	165.91												0.031
RAMP A BL															
80+07.89	83+54.86	RT	346.97												0.066
RAMP B BL															
9+04.11	9+15.64	RT	11.53												0.002
RAMP C BL															
105+66.80	109+21.63	LT	354.83												0.067
RAMP D BL															
19+94.24	20+09.16	LT	14.92												0.003
TOTALS CARRIED TO PAVEMENT SUBSUMMARY															1

CALCULATED SRT
CHECKED CJC

PAVEMENT CALCULATIONS

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