SHEET NO.	209		254	254		302	302		304		304				304		305			407				407			441	
	LINEAR GRADING, AS PER PLAN		PAVEMENT PLANING, ASPHALT CONCRETE, 1.25" AVERAGE	PAVEMENT PLANING, ASPHALT CONCRETE, 5" AVERAGE		8" ASPHALT CONCRETE BASE PG64-22	10.5" ASPHALT CONCRETE BASE, PG64-22		5" AGGREGATE BASE		6" AGGREGATE BASE				VARIABLE DEPTH AGGREGATE BASE (9" AVERAGE)		9" CONCRETE BASE, CLASS QC 1P			NON-TRACKING TACK COAT				TACK COAT, 702.13 (0.070 GAL/SY - 1 APPLICATION)			2" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, (448), (UNDER GUARDRAIL), AS PER PLAN	
4	STA		SY	SY		CY	CY		CY		CY				CY		SY			GAL				GAL			CY	
	01/NHS/PV	01/NHS/PV	01/NHS/PV	01/NHS/PV	01/NHS/PV	01/NHS/PV	01/NHS/PV	01/NHS/PV	01/NHS/PV	01/NHS/PV	01/NHS/PV	01/NHS/PV	04/MPO/OT	05/NHS/OT/COL	01/NHS/PV	01/NHS/PV	01/NHS/PV	04/MPO/OT	05/NHS/OT/COL	01/NHS/PV	01/NHS/PV	04/MPO/OT	05/NHS/OT/COL	01/NHS/PV	04/MPO/OT	05/NHS/OT/COL	01/NHS/PV	01/NHS/PV
3							2612	1742			1256	838			376	251				1459	973							
4							1175	784			282	188			640	427				663	442							
5							1683	1562			773	773			340	227				983	915							
6							610	1178			359	703								343	659							
7							255	2597			153	1484				124				142	1469							
8								1506				928									841							
9							130	952			75	557								74	536							
10	14	24																									39	64
11	10	36																									29	109
12											12	8																
13				861	574		-2	-59			-50	-187								121	81							
14											334			290			1700		1622	94			90	119		114		
15			3595			9					346		27	71			1924	162	-75	416		9	-5	135	12	-6		
16														3														
17								4			254	460										4						
18									158	201	48	61								57	73							
TOTALS CARRIED TO THE GENERAL SUMMARY	**24**	**60**	**3595**	**861**	**574**	**9**	**6463**	**10262**	**158**	**201**	**3842**	**5813**	**27**	**364**	**1356**	**1029**	**3624**	**162**	**1547**	**4352**	**5989**	**9**	**85**	**254**	**12**	**108**	**68**	**173**

SHEET NO.	441			441				442		442		442		442			SPECIAL	452		452		601		608	608		823	
	1 1/4" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), AS PER PLAN, PG64-22			1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (448)				1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, 19 MM, TYPE A (446)		ANTI-SEGREGATION EQUIPMENT		1 1/2" ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (446), AS PER PLAN		1 1/2" ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (446), AS PER PLAN, PG76-22M			PRESSURE RELIEF JOINT, TYPE A	4" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P		12" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P		RIP RAP, WITH GROUT, AS PER PLAN		WALKWAY, MISC.: BRICK PAVER CROSSWALK	WALKWAY, MISC.: 6X6 CONCRETE PAVERS		1 1/4" ASPHAULT CONCRETE SURFACE COURSE, TYPE 1, (448)	
4	CY			CY				CY		CY		CY		CY			FT	SY		SY		SY		SF	SF		CY	
	01/NHS/PV	04/MPO/OT	05/NHS/OT/COL	01/NHS/PV	01/NHS/PV	04/MPO/OT	05/NHS/OT/COL	01/NHS/PV	01/NHS/PV	01/NHS/PV	01/NHS/PV	01/NHS/PV	01/NHS/PV	01/NHS/PV	01/NHS/PV		01/NHS/PV	01/NHS/PV	01/NHS/PV	01/NHS/PV		01/NHS/PV	01/NHS/PV	05/NHS/OT/COL	01/NHS/PV	01/NHS/PV	01/NHS/PV	01/NHS/PV
3								433	289	597	398	361	241															
4								195	130			163	109															
5								277	257	289	289	237	220															
6								100	190	139	189	12	55	117	312													
7								41	433		804		66	34	306													
8									242						206													
9								22	157		92	19	84		51													
10																												
13								42	28	78	52	36	24															
14	60		57	83			79										99			135								
15	193	6	-3	96		8	-4													496						4		
16																								5044				
18			4	51	64													150	191			139	176		771	981	36	46
TOTALS CARRIED TO THE GENERAL SUMMARY	**253**	**6**	**54**	**230**	**64**	**8**	**75**	**1110**	**1726**	**1103**	**1824**	**828**	**799**	**151**	**875**		**99**	**150**	**191**	**631**		**139**	**176**	**5044**	**771**	**981**	**36**	**46**

CALCULATED CJC

CHECKED CWL

PAVEMENT SUBSUMMARY

FRA - 70 / 71 - 12.68 / 14.86

SHEET NO. 4	609 CURB, TYPE 4-C (FT)		609 CURB, TYPE 6 (FT)	609 CURB, MISC.: COLUMBUS 18" GRANITE CURB (FT)		609 CURB, MISC.: COLUMBUS 18" CONCRETE CURB (FT)				609 CURB, MISC.: COMBINATION CURB AND GUTTER, TYPE SPECIAL (FT)	609 4" CONCRETE TRAFFIC ISLAND (SY)			618 RUMBLE STRIPS, (ASPHALT CONCRETE) (MILE)		622 CONCRETE BARRIER, SINGLE SLOPE, TYPE B (FT)				622 CONCRETE BARRIER, SINGLE SLOPE, TYPE C1 (FT)			622 CONCRETE BARRIER, SINGLE SLOPE, TYPE D (FT)		622 CONCRETE BARRIER, SINGLE SLOPE, TYPE D, AS PER PLAN (FT)		872 VOID REDUCING ASPHALT MEMBRANE (VRAM) (FT)	
	01/NHS/PV	01/NHS/PV	01/NHS/PV	06/ENH/ OT/COL		05/NHS/OT/ COL			01/NHS/PV	01/NHS/PV	01/NHS/PV	01/NHS/PV		01/NHS/PV	01/NHS/PV	01/NHS/PV	01/NHS/PV			01/NHS/PV	01/NHS/PV		01/NHS/PV	01/NHS/PV	01/NHS/PV	01/NHS/PV	01/NHS/PV	01/NHS/PV
3	74	50																											
4	962	641																											
5	855	652																											
6	50	94																											
7																													
8		531	271																										
9		105																											
10											1280	730																	
12																70	47			48	32		739	528	194	194			
13																												10369	20059
14				306		717			662																				
15				691						99																			
16				43		47			185					0.29	0.24														
18																													
TOTALS CARRIED TO THE GENERAL SUMMARY	**1941**	**2073**	**271**	**1040**		**764**			**847**	**99**	**1280**	**730**		**0.29**	**0.24**	**70**	**47**			**48**	**32**		**739**	**528**	**194**	**194**	**10369**	**20059**

SHEET NO. 4	622 BARRIER MISC.: CONCRETE BARRIER, TYPE B50 (FT)			622 CONCRETE BARRIER, END ANCHORAGE, REINFORCED, TYPE B (EACH)		608 8" CONCRETE WALK (SF)		608 WALKWAY, MISC.: COLUMBUS DETECTABLE WARNING, TYPE A (SF)					622 CONCRETE BARRIER, END ANCHORAGE, REINFORCED, TYPE C1, AS PER PLAN (EACH)		622 CONCRETE BARRIER, END ANCHORAGE, REINFORCED, TYPE D (EACH)		622 CONCRETE BARRIER, END ANCHORAGE, REINFORCED, TYPE D, AS PER PLAN (EACH)			622 CONCRETE BARRIER, END SECTION, TYPE D (EACH)		622 CONCRETE BARRIER, END SECTION, TYPE D, AS PER PLAN "A" (EACH)		622 CONCRETE BARRIER, END SECTION, TYPE D, AS PER PLAN "B" (EACH)			622 BARRIER TRANSTION (EACH)	
	01/NHS/PV	01/NHS/PV		01/NHS/PV	01/NHS/PV	01/NHS/PV	01/NHS/PV	01/NHS/PV	01/NHS/PV				01/NHS/PV	01/NHS/PV	01/NHS/PV	01/NHS/PV		01/NHS/PV		01/NHS/PV	01/NHS/PV		01/NHS/PV		01/NHS/PV		01/NHS/PV	01/NHS/PV
12	48	32		2	2								1	1	13	12		1		5	6		1		1		1	1
18						88	112	18	23																			
TOTALS CARRIED TO THE GENERAL SUMMARY	**48**	**32**		**2**	**2**	**88**	**112**	**18**	**23**				**1**	**1**	**13**	**12**		**1**		**5**	**6**		**1**		**1**		**1**	**1**

CALCULATED CJC
CHECKED CWL

PAVEMENT SUBSUMMARY

FRA - 70 / 71 - 12.68 / 14.86

STATION		SIDE	LENGTH (L)	AVERAGE WIDTH (W)	CURVE CORRECTION RATIO	CURB CURVE CORRECTION RATIO	SURFACE AREA (A=LxW)	CADD AREA	AREA FOR 4" EXTENSION	AREA FOR 6" EXTENSION	AREA FOR 20" EXTENSION	AREA FOR 28" EXTENSION	302		304		304		407		442		442		442		609		
													10.5" ASPHALT CONCRETE BASE, PG64-22		6" AGGREGATE BASE		VARIABLE DEPTH AGGREGATE BASE (9" AVERAGE)		NON-TRACKING TACK COAT (0.055 GAL/SY - 3 APPLICATION)		1 1/2" ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (446), AS PER PLAN		1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, 19 MM, TYPE A (446)		ANTI-SEGREGATION EQUIPMENT		CURB, TYPE 4-C		
FROM	TO		FT	FT			SF	SF	SF	SF	SF	SF	CY		CY		CY		GAL		CY		CY		CY		FT		
													01/NHS/PV	01/NHS/PV	01/NHS/PV	01/NHS/PV	01/NHS/PV	01/NHS/PV	01/NHS/PV	01/NHS/PV	01/NHS/PV	01/NHS/PV	01/NHS/PV	01/NHS/PV	01/NHS/PV	01/NHS/PV	01/NHS/PV	01/NHS/PV	
EASTBOUND I.R. 70												4																	
FULL DEPTH LANES																													
125+96.00	126+95.71	LT	99.71	24.00	1.0021		2398.07						46.63	31.09	26.65	17.76			26.38	17.59	6.66	4.44	7.77	5.18	14.43	9.62			
128+27.86	129+50.00	LT	122.14	24.00	1.0021		2937.52						57.12	38.08	32.64	21.76			32.31	21.54	8.16	5.44	9.52	6.35	17.68	11.79			
4169+93.98	4175+58.08	LT	564.10	24.00	1.0031		13580.37						264.06	176.04	150.89	100.60			149.38	99.59	37.72	25.15	44.01	29.34	81.73	54.49			
4177+15.06	4177+77.84	LT	62.78	24.00	1.0031		1511.39						29.39	19.59	16.79	11.20			16.63	11.08	4.20	2.80	4.90	3.27	9.10	6.07			
4177+77.84	4186+04.15	LT	826.31	24.00			19831.44						385.61	257.07	220.35	146.90			218.15	145.43	55.09	36.72	64.27	42.85	119.36	79.57			
4186+04.15	4186+25.00	LT	20.85	24.00	0.9959		498.35						9.69	6.46	5.54	3.69			5.48	3.65	1.38	0.92	1.62	1.08	3.00	2.00			
4186+25.00	4186+72.06	LT			CADD			81.99					1.59	1.06			1.37	0.91	0.90	0.60	0.23	0.15	0.27	0.18	0.50	0.33			
125+96.00	126+95.68	RT	99.68	12.00	0.9990		1194.96						23.24	15.49	13.28	8.85			13.14	8.76	3.32	2.21	3.87	2.58	7.19	4.79			
128+28.25	129+50.00	RT	121.75	12.00	0.9990		1459.54						28.38	18.92	16.22	10.81			16.05	10.70	4.05	2.70	4.73	3.15	8.78	5.85			
4169+93.98	4175+64.56	RT	570.58	24.00	0.9969		13651.47						265.45	176.96	151.68	101.12			150.17	100.11	37.92	25.28	44.24	29.49	82.16	54.77			
4177+25.72	4177+77.84	RT	52.12	41.43	0.9946		2147.67						41.76	27.84	23.86	15.91			23.62	15.75	5.97	3.98	6.96	4.64	12.93	8.62			
4177+77.84	4186+04.15	RT	826.31	32.59			26929.44						523.63	349.09	299.22	199.48			296.22	197.48	74.80	49.87	87.27	58.18	162.07	108.05			
4186+04.15	4186+20.50	RT	16.35	24.16	1.0042		396.68						7.71	5.14	4.41	2.94			4.36	2.91	1.10	0.73	1.29	0.86	2.39	1.59			
4186+20.50	4186+72.06	RT	51.56	24.00	1.0041		1242.51						24.16	16.11			20.71	13.81	13.67	9.11	3.45	2.30	4.03	2.68	7.48	4.98			
4186+72.06	4196+03.94	RT			CADD			10272.67					199.75	133.16			171.21	114.14	113.00	75.33	28.54	19.02	33.29	22.19	61.83	41.21			
4196+03.94	4197+98.56	RT	194.62	5.40			1050.95						20.44	13.62			17.52	11.68	11.56	7.71	2.92	1.95	3.41	2.27	6.33	4.22			
FULL DEPTH SHOULDER																													
125+96.00	126+33.00	LT	37.00	12.74	1.0053	1.0064	473.88					86.89	10.90	7.27	6.23	4.15			6.17	4.11	1.32	0.88	1.82	1.21					
126+33.00	126+95.75	LT	62.75	12.00	1.0052	1.0063	756.92					147.34	17.58	11.72	10.05	6.70			9.95	6.63	2.10	1.40	2.93	1.95					
128+27.50	128+95.00	LT	67.50	12.00	1.0052	1.0063	814.21				113.21		15.83	10.55	10.30	6.87			8.96	5.97	2.26	1.51	2.64	1.76			40.76	27.17	
128+95.00	129+50.00	LT	55.00	11.39	1.0052	1.0062	629.71				92.24		12.24	8.16	8.02	5.35			6.93	4.62	1.75	1.17	2.04	1.36			33.20	22.14	
4158+61.63	4165+98.74	LT			CADD			7502.84					145.89	97.26			125.05	83.36	82.53	55.02	20.84	13.89	24.31	16.21					
4169+82.17	4170+02.21	LT	20.04	14.00	1.0081		282.83						5.50	3.67	3.14	2.10			3.11	2.07	0.79	0.52	0.92	0.61					
4170+02.21	4170+41.79	LT	39.58	14.80	1.0082		590.59						11.48	7.66	6.56	4.37			6.50	4.33	1.64	1.09	1.91	1.28					
4170+41.79	4170+51.68	LT	9.89	15.30	1.0083		152.57						2.97	1.98	1.70	1.13			1.68	1.12	0.42	0.28	0.49	0.33					
4170+51.68	4170+91.16	LT	39.48	16.85	1.0085		670.89						13.05	8.70	7.45	4.97			7.38	4.92	1.86	1.24	2.17	1.45					
4170+91.16	4173+50.00	LT	258.84	15.00	1.0082	1.0102	3914.44		87.16	130.74			79.08	52.72	47.37	31.58			44.18	29.45	10.87	7.25	12.69	8.46					
4173+50.00	4174+06.00	LT	56.00	15.20	1.0083	1.0103	858.26		18.86	28.29			17.33	11.55	10.37	6.92			9.68	6.46	2.38	1.59	2.78	1.85					
4174+06.00	4174+45.96	LT	39.96	14.65	1.0082		590.21						11.48	7.65	6.56	4.37			6.49	4.33	1.64	1.09	1.91	1.28					
4174+45.96	4174+55.95	LT	9.99	13.90	1.0081		139.99						2.72	1.81	1.56	1.04			1.54	1.03	0.39	0.26	0.45	0.30					
4174+55.95	4174+95.93	LT	39.98	14.20	1.0081		572.31						11.13	7.42	6.36	4.24			6.30	4.20	1.59	1.06	1.85	1.24					
4174+95.93	4175+53.86	LT	57.93	14.20	1.0081		829.27						16.12	10.75	9.21	6.14			9.12	6.08	2.30	1.54	2.69	1.79					
4177+10.18	4177+57.34	LT	47.16	12.46	1.0079	1.0095	592.26		15.87	23.80		111.09	15.14	10.09	9.05	6.03			8.46	5.64	1.65	1.10	2.43	1.62					
4177+57.34	4177+77.84	LT	20.50	12.38	1.0079	1.0095	255.79		6.90	10.35		48.29	6.55	4.37	3.92	2.61			3.66	2.44	0.71	0.47	1.05	0.70					
4177+77.84	4180+77.93	LT	300.09	11.94			3583.07		100.03	150.04		700.21	92.52	61.68	55.37	36.91			51.70	34.47	9.95	6.64	14.85	9.90					
4180+77.93	4181+17.93	LT	40.00	11.24			449.60		13.33	20.00		93.33	11.79	7.86	7.07	4.71			6.58	4.39	1.25	0.83	1.89	1.26					
4181+17.93	4186+04.15	LT	486.22	10.30			5008.07		162.07	243.11		1134.51	134.41	89.61	80.86	53.90			75.00	50.00	13.91	9.27	21.48	14.32					
4186+04.15	4186+25.00	LT	20.85	9.50	0.9901	0.9885	196.11		6.87	10.31		48.09	5.38	3.59	3.25	2.17			3.00	2.00	0.54	0.36	0.86	0.57					
4186+25.00	4186+39.42	LT	14.42	9.50	0.9901	0.9885	135.63		4.75	7.13		33.26	3.72	2.48			3.37	2.25	2.08	1.38	0.38	0.25	0.59	0.40					
4186+39.42	4187+90.00	LT	150.58		CADD			1483.72	50.19	75.29		351.35	40.32	26.88			36.44	24.29	6.17	4.11	4.12	2.75	6.43	4.29					
TOTALS CARRIED TO PAVEMENT SUBSUMMARY													**2612**	**1742**	**1256**	**838**	**376**	**251**	**1459**	**973**	**361**	**241**	**433**	**289**	**597**	**398**	**74**	**50**	

CALCULATED CJC

CHECKED CWC

PAVEMENT CALCULATIONS

FRA - 70 / 71 - 12.68 / 14.86

STATION		SIDE	LENGTH (L)	AVERAGE WIDTH (W)	CURVE CORRECTION RATIO	CURB CURVE CORRECTION RATIO	SURFACE AREA (A=LxW)	CADD AREA	AREA FOR 4" EXTENSION	AREA FOR 6" EXTENSION	AREA FOR 20" EXTENSION	AREA FOR 22" EXTENSION	302		304		304		407		442		442				609		
													10.5" ASPHALT CONCRETE BASE, PG64-22		6" AGGREGATE BASE		VARIABLE DEPTH AGGREGATE BASE (9" AVERAGE)		NON-TRACKING TACK COAT (0.055 GAL/SY - 3 APPLICATION)		1 1/2" ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (446), AS PER PLAN		1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, 19 MM, TYPE A (446)				CURB, TYPE 4-C		
FROM	TO		FT	FT			SF	SF	SF	SF	SF	SF	CY		CY		CY		GAL		CY		CY				FT		
													01/NHS/PV	01/NHS/PV	01/NHS/PV	01/NHS/PV	01/NHS/PV	01/NHS/PV	01/NHS/PV	01/NHS/PV	01/NHS/PV	01/NHS/PV	01/NHS/PV	01/NHS/PV			01/NHS/PV	01/NHS/PV	
			EASTBOUND I.R. 70									4																	
FULL DEPTH SHOULDER CONT'D																													
4187+90.00	4188+87.48	LT	97.48	10.26	0.9900		990.14						19.25	12.84			16.50	11.00	10.89	7.26	2.75	1.83	3.21	2.14					
4188+87.48	4190+40.00	LT	152.52	8.67	0.9909		1310.32						25.48	16.99			21.84	14.56	14.41	9.61	3.64	2.43	4.25	2.83					
4190+40.00	4191+54.37	LT	114.37	7.95	0.9917		901.69						17.53	11.69			15.03	10.02	9.92	6.61	2.50	1.67	2.92	1.95					
4191+54.37	4192+63.51	LT	109.14	7.16	0.9917		774.96						15.07	10.05			12.92	8.61	8.52	5.68	2.15	1.44	2.51	1.67					
4192+63.51	4193+45.18	LT	81.67	7.82	0.9912		633.04						12.31	8.21			10.55	7.03	6.96	4.64	1.76	1.17	2.05	1.37					
4193+45.18	4196+99.64	LT	354.46	8.90			3154.69						61.34	40.89			52.58	35.05	34.70	23.13	8.76	5.84	10.22	6.82					
4196+99.64	4198+63.49	LT	163.85	9.08			1487.76						28.93	19.29			24.80	16.53	16.37	10.91	4.13	2.76	4.82	3.21					
4198+63.49	4199+26.94	LT	63.45	8.35			529.81						10.30	6.87			8.83	5.89	5.83	3.89	1.47	0.98	1.72	1.14					
4199+26.94	4200+19.90	LT	92.96	7.54			700.92						13.63	9.09			11.68	7.79	7.71	5.14	1.95	1.30	2.27	1.51					
4200+19.90	4200+83.38	LT	63.48	8.42			534.50						10.39	6.93			8.91	5.94	5.88	3.92	1.48	0.99	1.73	1.15					
4200+83.38	4203+42.95	LT	259.57	9.16			2377.66						46.23	30.82			39.63	26.42	26.15	17.44	6.60	4.40	7.71	5.14					
4203+42.95	4203+82.95	LT	40.00	8.41			336.40						6.54	4.36			5.61	3.74	3.70	2.47	0.93	0.62	1.09	0.73					
4203+82.95	4205+38.70	LT	155.75	7.77			1210.18						23.53	15.69			20.17	13.45	13.31	8.87	3.36	2.24	3.92	2.61					
4205+38.70	4205+78.69	LT	39.99	8.54			341.51						6.64	4.43			5.69	3.79	3.76	2.50	0.95	0.63	1.11	0.74					
4205+78.69	4208+14.66	LT	235.97	9.30			2194.52						42.67	28.45			36.58	24.38	24.14	16.09	6.10	4.06	7.11	4.74					
128+28.25	129+50.00	RT	121.75	12.00	0.9969	0.9958	1456.47				202.06		28.32	18.88	18.43	12.29			16.02	10.68	4.05	2.70	4.72	3.15			72.74	48.50	
129+50.00	133+80.04	RT	430.04	13.00	0.9968	0.9956	5572.63				713.58		108.36	72.24			104.77	69.85	61.30	40.87	15.48	10.32	18.06	12.04			256.89	171.26	
133+80.04	134+45.00	RT	64.96	11.74	0.9969	0.9959	760.27				107.82		14.78	9.86			14.47	9.65	8.36	5.58	2.11	1.41	2.46	1.64			38.82	25.88	
4157+88.17	4158+18.15	RT	30.00	CADD				317.74			50.00		6.18	4.12			6.13	4.09	3.50	2.33	0.88	0.59	1.03	0.69			18.00	12.00	
4158+18.15	4159+84.50	RT	166.35	12.68			2109.32		55.45	83.17			42.90	28.60			38.85	25.90	23.91	15.94	5.86	3.91	6.84	4.56					
4159+84.50	4161+44.10	RT	159.60	10.72	0.9845	0.9817	1684.39		52.23	78.34			34.53	23.02			31.56	21.04	19.20	12.80	4.68	3.12	5.46	3.64					
4161+44.10	4163+70.78	RT	226.68	10.00	0.9847	0.9821	2232.12		74.21	111.31			45.93	30.62			42.15	28.10	25.51	17.00	6.20	4.13	7.23	4.82					
4163+70.78	4164+98.77	RT	127.99	10.37	0.9846	0.9819	1306.82		41.89	62.84			26.84	17.89			24.57	16.38	14.91	9.94	3.63	2.42	4.24	2.82					
4164+98.77	4165+91.66	RT	92.89	11.14			1034.79		30.96	46.44			21.17	14.12			19.31	12.87	11.78	7.85	2.87	1.92	3.35	2.24					
4165+91.66	4166+21.70	RT	30.00	CADD				326.70			50.00		6.35	4.24			6.28	4.19	3.59	2.40	0.91	0.61	1.06	0.71			18.00	12.00	
4170+04.52	4170+85.14	RT	80.62	7.22	0.9928	0.9918	577.89				133.26		11.24	7.49	7.90	5.27			6.36	4.24	1.61	1.07	1.87	1.25			47.98	31.98	
4170+85.14	4171+05.03	RT	19.89	13.66	0.9919	0.9901	269.50						5.24	3.49	2.99	2.00			2.96	1.98	0.75	0.50	0.87	0.58					
4171+05.03	4171+61.45	RT	56.42	12.70	0.9921	0.9904	710.87						13.82	9.21	7.90	5.27			7.82	5.21	1.97	1.32	2.30	1.54					
4171+61.45	4172+63.03	RT	101.58	11.50	0.9922	0.9907	1159.06						22.54	15.02	12.88	8.59			12.75	8.50	3.22	2.15	3.76	2.50					
4172+63.03	4173+97.24	RT	134.21	8.75	0.9926	0.9914	1165.65						22.67	15.11	12.95	8.63			12.82	8.55	3.24	2.16	3.78	2.52					
4177+32.47	4177+77.84	RT	45.37	15.52	0.9917	0.9897	698.30					82.32	15.18	10.12	8.67	5.78			8.59	5.72	1.94	1.29	2.53	1.69					
4177+77.84	4182+00.31	RT	422.47	16.50			6970.75					774.53	150.60	100.40	86.06	57.37			85.20	56.80	19.36	12.91	25.10	16.73					
4182+00.31	4183+25.00	RT	124.69	18.80			2344.17					228.60	50.03	33.35	28.59	19.06			28.30	18.87	6.51	4.34	8.34	5.56					
4183+25.00	4183+88.93	RT	63.93	19.20			1227.46					117.20	26.15	17.43	14.94	9.96			14.79	9.86	3.41	2.27	4.36	2.91					
4183+88.93	4186+04.15	RT	215.22	14.33			3084.10				358.70		59.97	39.98	38.25	25.50			33.93	22.62	8.57	5.71	9.99	6.66			129.13	86.09	
4186+04.15	4186+20.50	RT	16.35	10.29	1.0101	1.0119	169.94				27.57		3.30	2.20	2.19	1.46			1.87	1.25	0.47	0.31	0.55	0.37			9.93	6.62	
4186+20.50	4189+25.00	RT	304.50	10.00	1.0100	1.0117	3075.45				513.44		59.80	39.87	39.88	26.58			33.83	22.55	8.54	5.70	9.97	6.64			184.84	123.23	
4189+25.00	4189+50.00	RT	25.00	11.00	1.0102	1.0121	277.81				42.17		5.40	3.60			5.33	3.56	3.06	2.04	0.77	0.51	0.90	0.60			15.18	10.12	
4189+50.00	4191+20.51	RT	170.51	7.22	1.0094	1.0106	1242.65				287.20		24.16	16.11			25.50	17.00	13.67	9.11	3.45	2.30	4.03	2.68			103.39	68.93	
4191+20.51	4191+57.05	RT	36.54	4.43	1.0088	1.0096	163.30				61.48		3.18	2.12			3.75	2.50	1.80	1.20	0.45	0.30	0.53	0.35			22.13	14.76	
4191+57.05	4192+72.36	RT	115.31	4.22	1.0088	1.0095	490.89		38.80	58.20	194.01		15.77	10.51			14.97	9.98	8.67	5.78	1.36	0.91	2.41	1.61					
4192+72.36	4192+82.76	RT	10.40	4.25	1.0088	1.0095	44.60				17.50		0.87	0.58			1.04	0.69	0.49	0.33	0.12	0.08	0.14	0.10			6.30	4.20	
4192+82.76	4193+32.76	RT	50.00	7.13	1.0093	1.0105	359.82				84.21		7.00	4.66			7.40	4.93	3.96	2.64	1.00	0.67	1.17	0.78			30.32	20.21	
4193+32.76	4193+45.18	RT	12.42	10.00	1.0098	1.0115	125.42				20.94		2.44	1.63			2.44	1.63	1.38	0.92	0.35	0.23	0.41	0.27			7.54	5.03	
TOTALS CARRIED TO PAVEMENT SUBSUMMARY													1175	784	282	188	640	427	663	442	163	109	195	130			962	641	

CALCULATED CJC

CHECKED CVK

PAVEMENT CALCULATIONS

FRA - 70 / 71 - 12.68 / 14.86

STATION		SIDE	LENGTH (L)	AVERAGE WIDTH (W)	CURVE CORRECTION RATIO	CURB CURVE CORRECTION RATIO	SURFACE AREA (A=LxW)	CADD AREA	AREA FOR 4" EXTENSION	AREA FOR 6" EXTENSION	AREA FOR 20" EXTENSION	AREA FOR 28" EXTENSION	302		304		304		407		442		442		442		609	
													10.5" ASPHALT CONCRETE BASE, PG64-22		6" AGGREGATE BASE		VARIABLE DEPTH AGGREGATE BASE (9" AVERAGE)		NON-TRACKING TACK COAT (0.055 GAL/SY - 3 APPLICATION)		1 1/2" ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (446), AS PER PLAN		1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, 19 MM, TYPE A (446)		ANTI-SEGREGATION EQUIPMENT		CURB, TYPE 4-C	
FROM	TO		FT	FT			SF	SF	SF	SF	SF	SF	CY		CY		CY		GAL		CY		CY		CY		FT	
												4	01/NHS/PV	01/NHS/PV	01/NHS/PV	01/NHS/PV	01/NHS/PV	01/NHS/PV	01/NHS/PV	01/NHS/PV	01/NHS/PV	01/NHS/PV	01/NHS/PV	01/NHS/PV	01/NHS/PV	01/NHS/PV	01/NHS/PV	01/NHS/PV
EASTBOUND I.R. 70																												
FULL DEPTH SHOULDER CONT'D																												
4193+45.18	4195+94.13	RT	248.95	10.00			2489.50				414.92		48.41	32.27			48.41	32.27	27.38	18.26	6.92	4.61	8.07	5.38			149.37	99.58
4195+94.13	4197+44.64	RT	150.51	9.92			1493.06				250.85		29.03	19.35			29.07	19.38	16.42	10.95	4.15	2.76	4.84	3.23			90.31	60.20
4197+44.64	4197+98.56	RT	53.92	9.90			533.81		17.97	26.96	89.87		13.26	8.84			12.04	8.03	7.39	4.93	1.48	0.99	2.11	1.41				
4197+98.56	4200+64.05	RT	265.49	9.97			2646.94						51.47	34.31			44.12	29.41	29.12	19.41	7.35	4.90	8.58	5.72				
4200+64.05	4200+89.05	RT	25.00	11.48			287.00				41.67		5.58	3.72			5.48	3.65	3.16	2.10	0.80	0.53	0.93	0.62			15.00	10.00
4200+89.05	4205+28.94	RT	439.89	13.00			5718.57				733.15		111.19	74.13			107.53	71.69	62.90	41.94	15.88	10.59	18.53	12.35			263.93	175.96
WESTBOUND I.R. 70																												
FULL DEPTH SHOULDER																												
186+04.59	187+56.00	LT	151.41	CADD				1408.86			252.35		27.39	18.26			27.69	18.46	15.50	10.33	3.91	2.61	4.57	3.04			90.85	60.56
184+46.44	188+07.13	RT			CADD			3891.88					75.68	50.45			64.86	43.24	42.81	28.54	10.81	7.21	12.61	8.41				
NORTHBOUND I.R. 71																												
FULL DEPTH LANES																												
252+86.40	254+00.38	LT	113.98	24.00			2735.52						44.33	44.33	25.33	25.33			25.08	25.08	6.33	6.33	7.39	7.39	13.72	13.72		
254+00.38	264+34.96	LT	1034.58	24.00	1.0031		24906.89						403.58	403.58	230.62	230.62			228.31	228.31	57.65	57.65	67.26	67.26	124.91	124.91		
264+34.96	266+34.96	LT	200.00	24.00	1.0110		4852.80						78.63	78.63	44.93	44.93			44.48	44.48	11.23	11.23	13.11	13.11	24.34	24.34		
266+34.96	271+02.18	LT	467.22	24.00	1.0188		11424.09						185.11	185.11	105.78	105.78			104.72	104.72	26.44	26.44	30.85	30.85	57.29	57.29		
271+02.18	272+46.34	LT	144.16	24.00	1.0010		3463.30						56.12	56.12	32.07	32.07			31.75	31.75	8.02	8.02	9.35	9.35	17.37	17.37		
272+46.34	273+78.43	LT	132.09	24.00	1.0168		3223.42						52.23	52.23	29.85	29.85			29.55	29.55	7.46	7.46	8.71	8.71	16.17	16.17		
252+86.40	254+00.38	RT	113.98	6.00			683.88						11.08	11.08	6.33	6.33			6.27	6.27	1.58	1.58	1.85	1.85	3.43	3.43		
254+00.38	257+13.02	RT	312.64	12.00	0.9984		3745.68						60.69	60.69	34.68	34.68			34.34	34.34	8.67	8.67	10.12	10.12	18.79	18.79		
264+34.96	266+34.96	RT	200.00	2.25	0.9990		449.55						7.28	7.28	4.16	4.16			4.12	4.12	1.04	1.04	1.21	1.21	2.25	2.25		
266+34.96	269+78.10	RT	343.14	4.50	0.9965		1538.73						24.93	24.93	14.25	14.25			14.11	14.11	3.56	3.56	4.16	4.16	7.72	7.72		
269+78.10	271+02.18	RT	124.08	3.30	0.9974		408.40						6.62	6.62	3.78	3.78			3.74	3.74	0.95	0.95	1.10	1.10	2.05	2.05		
271+02.18	271+78.10	RT	75.92	1.05	1.0000		79.72						1.29	1.29	0.74	0.74			0.73	0.73	0.18	0.18	0.22	0.22	0.40	0.40		
FULL DEPTH SHOULDER																												
713+95.10	714+20.10	LT	25.00	10.00			250.00				41.67		4.05	4.05	2.70	2.70			2.29	2.29	0.58	0.58	0.68	0.68			12.50	12.50
714+20.10	715+09.28	LT	89.18																								44.59	44.59
258+66.99	264+34.96	LT	567.97	4.00	1.0068	1.0073	2287.33		190.71	286.06			42.47	42.47	28.24	28.24			37.57	37.57	5.29	5.29	6.18	6.18				
264+34.96	266+34.96	LT	200.00	4.00	1.0238	1.0257	819.04		68.38	102.57			15.21	15.21	10.12	10.12			13.45	13.45	1.90	1.90	2.21	2.21				
266+34.96	271+02.18	LT	467.22	4.00	1.0408	1.0440	1945.13		162.59	243.89			36.13	36.13	24.03	24.03			31.95	31.95	4.50	4.50	5.25	5.25				
271+02.18	271+82.90	LT	80.72	4.00	1.0023	1.0024	323.62		26.97	40.46			6.01	6.01	4.00	4.00			5.32	5.32	0.75	0.75	0.87	0.87				
271+82.90	272+01.00	LT	18.10	4.00	1.0023	1.0024	72.57				30.24		1.18	1.18	0.95	0.95			0.67	0.67	0.17	0.17	0.20	0.20			9.07	9.07
272+01.00	272+46.34	LT	45.34	4.00	1.0023	1.0024	181.78		15.15	22.72	75.75		9.94	9.94	3.16	3.23			2.73	2.73	0.42	0.42	0.76	0.76				
272+46.34	272+50.00	LT	3.66	4.00	1.0363	1.0391	15.17		1.27	1.90	6.34		0.83	0.83	0.26	0.27			0.23	0.23	0.04	0.04	0.06	0.06				
272+50.00	273+98.00	LT	148.00	4.00	1.0363	1.0391	613.49		51.26	76.89			11.39	11.39	7.58	7.58			10.08	10.08	1.42	1.42	1.66	1.66				
252+86.40	253+86.40	RT	100.00	12.00			1200.00						19.44	19.44	11.11	11.11			11.00	11.00	2.78	2.78	3.24	3.24				
253+86.40	254+00.38	RT	13.98	10.00			139.80						2.27	2.27	1.29	1.29			1.28	1.28	0.32	0.32	0.38	0.38				
254+00.38	257+13.02	RT	312.64	10.00	0.9987		3122.34						50.59	50.59	28.91	28.91			28.62	28.62	7.23	7.23	8.43	8.43				
260+86.40	264+34.96	RT	348.56	12.00	0.9984	0.9969	4176.03		115.83	173.74			70.95	70.95	42.96	42.96			38.99	38.99	9.67	9.67	11.28	11.28				
264+34.96	265+60.00	RT	125.04	12.00	0.9924	0.9869	1489.08		41.13	61.70			25.29	25.29	15.31	15.31			13.90	13.90	3.45	3.45	4.02	4.02				
265+60.00	266+10.00	RT	50.00	13.00	0.9920	0.9860	644.80		16.43	24.65			10.91	10.91	6.58	6.58			6.01	6.01	1.49	1.49	1.74	1.74				
266+10.00	266+34.96	RT	24.96	14.00	0.9915	0.9851	346.47				40.98		5.61	5.61	3.59	3.59			3.18	3.18	0.80	0.80	0.94	0.94			12.29	12.29
266+34.96	269+78.10	RT	343.14	14.00	0.9819	0.9709	4717.01				555.26		76.43	76.43	48.82	48.82			43.24	43.24	10.92	10.92	12.74	12.74			166.58	166.58
TOTALS CARRIED TO PAVEMENT SUBSUMMARY													**1683**	**1562**	**773**	**773**	**340**	**227**	**983**	**915**	**237**	**220**	**277**	**257**	**289**	**289**	**855**	**652**

CALCULATED CJC

CHECKED CWC

PAVEMENT CALCULATIONS

FRA - 70 / 71 - 12.68 / 14.86

STATION		SIDE	LENGTH (L)	AVERAGE WIDTH (W)	CURVE CORRECTION RATIO	CURB CURVE CORRECTION RATIO	SURFACE AREA (A=LxW)	CADD AREA	AREA FOR 4" EXTENSION	AREA FOR 6" EXTENSION	AREA FOR 20" EXTENSION	AREA FOR 28" EXTENSION	302		304		407		442		442		442		442		609		
													10.5" ASPHALT CONCRETE BASE, PG64-22		6" AGGREGATE BASE		NON-TRACKING TACK COAT (0.055 GAL/SY - 3 APPLICATION)		1 1/2" ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (446), AS PER PLAN		1 1/2" ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (446), AS PER PLAN, PG76-22M		1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, 19 MM, TYPE A (446)		ANTI-SEGREGATION EQUIPMENT		CURB, TYPE 4-C		
FROM	TO		FT	FT			SF	SF	SF	SF	SF	SF	CY		CY		GAL		CY		CY		CY		CY		FT		
												4	01/NHS/PV	01/NHS/PV	01/NHS/PV	01/NHS/PV	01/NHS/PV	01/NHS/PV	01/NHS/PV	01/NHS/PV	01/NHS/PV	01/NHS/PV	01/NHS/PV	01/NHS/PV	01/NHS/PV	01/NHS/PV	01/NHS/PV	01/NHS/PV	
			NORTHBOUND I.R. 71																										
FULL DEPTH SHOULDER CONT'D																													
269+78.10	270+80.00	RT	101.90	14.00	0.9855	0.9745	1405.91				165.50		22.78	22.78	14.55	14.55	12.89	12.89	3.25	3.25			3.80	3.80			49.65	49.65	
270+80.00	270+85.00	RT	5.00	14.00	0.9855	0.9745	68.99		1.62	2.44	8.12		1.34	1.34	0.80	0.80	0.75	0.75	0.16	0.16			0.21	0.21					
270+85.00	271+02.18	RT	17.18	13.66	0.9857	0.9750	231.32		5.58	8.38	27.92		4.49	4.49	2.68	2.68	2.51	2.51	0.54	0.54			0.72	0.72					
271+02.18	271+35.00	RT	32.82	12.66	0.9993	0.9987	415.21		10.93	16.39	54.63		8.19	8.19	4.91	4.91	4.57	4.57	0.96	0.96			1.31	1.31					
271+35.00	271+78.10	RT	43.10	12.00	0.9993	0.9988	516.84		14.35	21.52	71.75		10.29	10.29	6.18	6.18	5.75	5.75	1.20	1.20			1.65	1.65					
271+78.10	272+46.34	RT	68.24	12.00	0.9995	0.9990	818.47		22.72	34.09	113.62		16.30	16.30	9.79	9.79	9.10	9.10	1.89	1.89			2.61	2.61					
272+46.34	272+46.93	RT	0.59	12.00	0.9916	0.9832	7.02		0.19	0.29	0.97		0.14	0.14	0.08	0.08	0.08	0.08	0.02	0.02			0.02	0.02					
272+46.93	273+05.93	RT	59.00	13.75	0.9904	0.9808	803.46		19.29	28.93	96.45		15.60	15.60	9.31	9.31	8.72	8.72	1.86	1.86			2.51	2.51					
273+05.93	273+56.18	RT	50.25	13.70	0.9904	0.9809	681.82		16.43	24.65	82.15		13.24	13.24	7.91	7.91	7.40	7.40	1.58	1.58			2.13	2.13					
			RAMP A5																										
FULL DEPTH LANES																													
5003+23.96	5004+66.41	LT	142.45	14.00	1.0046		2003.47							64.93		37.10		36.73		9.28				10.82		20.10			
5004+66.41	5006+94.28	LT	227.87	16.00	1.0052		3664.88							118.77		67.87		67.19		16.97				19.79		36.76			
5006+94.28	5007+72.64	LT	78.36	16.00	1.0052		1260.28							40.84		23.34		23.11				5.83		6.81		12.64			
5007+72.64	5012+18.10	LT	445.46	16.00			7127.36							230.98		131.99		130.67				33.00		38.50		71.50			
5012+18.10	5015+06.97	LT	288.87	16.00	1.0158		4694.95							152.15		86.94		86.07				21.74		25.36		47.10			
FULL DEPTH SHOULDER																													
5006+94.28	5007+72.64	LT	78.36	4.00	1.0092	1.0105	316.32		26.39	39.59				11.75		7.81		6.36				8.79		1.71					
5007+72.64	5012+18.10	LT	445.46	4.00			1781.84		148.49	222.73				66.17		44.00		35.84				49.50		9.62					
5012+18.10	5015+07.72	LT	289.62	4.00	1.0277	1.0316	1190.57		99.59	149.39				44.23		29.42		23.96				33.07		6.43					
5003+23.96	5004+50.00	RT	126.04	10.00	0.9967	0.9935	1256.24							40.71		23.26		23.03		5.82				6.79					
5004+50.00	5004+66.41	RT	16.41	10.00	0.9967	0.9935	163.56		5.43	8.15				5.61		3.43		3.11		0.76				0.88					
5004+66.41	5006+94.28	RT	227.87	10.00	0.9967	0.9935	2271.18		75.46	113.19				77.88		47.65		43.25		10.51				12.27					
5006+94.28	5007+44.28	RT	50.00	9.00	0.9971	0.9941	448.70		16.57	24.85				15.48		9.54		8.58				12.46		2.42					
5007+44.28	5007+72.64	RT	28.36	8.00	0.9974	0.9948	226.29		9.40	14.11				7.87		4.89		4.35				6.29		1.22					
5007+72.64	5012+18.10	RT	445.46	8.00			3563.68		148.49	222.73				123.91		76.99		68.51				98.99		19.25					
5012+18.10	5013+90.00	RT	171.90	8.00	0.9921	0.9842	1364.34		56.39	84.59				47.41		29.44		26.22				37.90		7.37					
5013+90.00	5014+34.17	RT	44.17	8.00	0.9921	0.9842	350.57				72.45			11.36		7.83		6.43				1.62		1.89				43.47	
5014+34.17	5015+05.98	RT	71.81	8.00	0.9921	0.9842	569.94		23.56	35.34	117.79			24.77		15.14		13.76				2.64		3.91					
			RAMP C3																										
FULL DEPTH LANES																													
3000+16.87	3002+46.97	LT	230.10	14.00	1.0009		3224.30						104.49		59.71		59.11				14.93		17.42		32.35				
3002+46.97	3002+88.88	LT	41.91	16.00	1.0010		671.23						21.75		12.43		12.31				3.11		3.63		6.74				
3002+88.88	3004+13.88	LT	125.00	16.00	1.0108		2021.60						65.51		37.44		37.06				9.36		10.92		20.28				
3004+13.88	3007+82.91	LT	369.03	16.00	1.0164		6001.31						194.49		111.14		110.02				27.78		32.41		60.19				
3007+82.91	3009+00.00	LT	117.09	16.00			1873.44						60.71		34.69		34.35				8.67		10.12		18.79				
FULL DEPTH SHOULDER																													
3004+35.94	3007+82.91	LT	346.97	4.00	1.0369	1.0410	1439.09		120.40	180.60			53.47		35.57		28.96				39.97		7.77						
3007+82.91	3008+75.00	LT	92.09	4.00			368.36		30.70	46.05			13.68		9.10		7.41				10.23		1.99						
3008+75.00	3009+00.00	LT	25.00	3.54			88.50		8.33	12.50			3.34		2.26		1.80				2.46		0.48						
TOTALS CARRIED TO PAVEMENT SUBSUMMARY													**610**	**1178**	**359**	**703**	**343**	**659**	**12**	**55**	**117**	**312**	**100**	**190**	**139**	**189**	**50**	**94**	

CALCULATED CJC

CHECKED CWC

PAVEMENT CALCULATIONS

FRA - 70 / 71 - 12.68 / 14.86

STATION		SIDE	LENGTH (L)	AVERAGE WIDTH (W)	CURVE CORRECTION RATIO	CURB CURVE CORRECTION RATIO	SURFACE AREA (A=LxW)	CADD AREA	AREA FOR 4" EXTENSION	AREA FOR 6" EXTENSION	AREA FOR 20" EXTENSION	AREA FOR 28" EXTENSION	302		304		304		407		442		442		442		442		
													10.5" ASPHALT CONCRETE BASE, PG64-22		6" AGGREGATE BASE		VARIABLE DEPTH AGGREGATE BASE (9" AVERAGE)		NON-TRACKING TACK COAT (0.055 GAL/SY - 3 APPLICATION)		1 1/2" ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (446), AS PER PLAN		1 1/2" ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (446), AS PER PLAN, PG76-22M		1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, 19 MM, TYPE A (446)		ANTI-SEGREGATION EQUIPMENT		
FROM	TO		FT	FT			SF	SF	SF	SF	SF	SF	CY		CY		CY		GAL		CY		CY		CY		CY		
												4	01/NHS/PV	01/NHS/PV	01/NHS/PV	01/NHS/PV	01/NHS/PV	01/NHS/PV	01/NHS/PV	01/NHS/PV	01/NHS/PV	01/NHS/PV	01/NHS/PV	01/NHS/PV	01/NHS/PV	01/NHS/PV	01/NHS/PV	01/NHS/PV		
			RAMP C3																										
FULL DEPTH SHOULDER CONT'D																													
3000+16.87	3002+88.88	RT	272.01	10.00	0.9993	0.9987	2718.20						88.09		50.34				49.83				12.58		14.68				
3002+88.88	3003+50.00	RT	61.12	10.00	0.9932	0.9865	607.04						19.67		11.24				11.13				2.81		3.28				
3003+50.00	3004+13.88	RT	63.88	10.00	0.9932	0.9865	634.46		21.01	31.51	105.03		26.69		15.83				14.58				2.94		4.16				
3004+13.88	3004+35.94	RT	22.06	10.00	0.9897	0.9795	218.33		7.20	10.80	36.01		9.18		5.44				5.01				1.01		1.43				
3004+35.94	3005+35.94	RT	100.00	8.00	0.9918	0.9836	793.44		32.79	49.18			27.57		17.12				15.25				3.67		4.29				
3005+35.94	3007+82.91	RT	246.97	6.00	0.9938	0.9877	1472.63		81.31	121.97			52.34		33.29				28.74				6.82		7.95				
3007+82.91	3008+00.00	RT	17.09	6.00			102.54		5.70	8.55			3.65		2.32				2.00				0.47		0.55				
3008+00.00	3009+00.00	RT	100.00	7.86			786.00		33.33	50.00			27.36		17.02				15.12				3.64		4.25				
			RAMP C5																										
FULL DEPTH LANES																													
5024+38.21	5028+92.28	LT	454.07	6.00	1.0006		2726.05							88.34		50.48		75.72		49.98		12.62				14.72		27.34	
5028+92.28	5030+35.26	LT	142.98	12.00	1.0012		1717.82							55.67		31.81		47.72		31.49		7.95				9.28		17.23	
5030+35.26	5031+34.48	LT	99.22	13.00	1.0013		1291.54							41.86		23.92				23.68		5.98				6.98		12.96	
5032+67.33	5034+97.48	LT	230.15	12.00	1.0012		2765.11							89.61		51.21				50.69				12.80		14.94		27.74	
5034+97.48	5036+30.43	LT	132.95	12.00			1595.40							51.70		29.54				29.25				7.39		8.62		16.01	
5036+30.43	5039+05.43	LT	275.00	14.00			3850.00							124.77		71.30				70.58				17.82		20.79		38.61	
5039+05.43	5041+17.78	LT	212.35	16.00			3397.60							110.11		62.92				62.29				15.73		18.35		34.08	
5041+17.78	5041+57.96	LT	40.18	16.00	0.9965		640.63							20.76		11.86				11.74				2.97		3.46		6.43	
5062+27.15	5069+27.87	LT	700.72	24.00	1.0042		16887.91							547.29		312.74				309.61				78.18		91.22		169.40	
5069+27.87	5069+99.95	LT	72.08	12.00	1.0021		866.78							28.09		16.05				15.89				4.01		4.68		8.69	
5069+99.95	5071+16.53	LT	116.58	12.00	1.0016		1401.20							45.41		25.95				25.69				6.49		7.57		14.06	
																				0.00									
5074+42.45	5076+08.84	LT	166.39	12.00	1.0016		1999.87							64.81		37.03				36.66				9.26		10.80		20.06	
5076+08.84	5079+12.85	LT	304.01	12.00			3648.12							118.23		67.56				66.88				16.89		19.70		36.59	
5079+12.85	5080+13.82	LT	100.97	12.00	1.0031		1215.40							39.39		22.51				22.28				5.63		6.56		12.19	
5081+70.91	5081+98.63	LT	27.72	12.00	1.0031		333.67							10.81		6.18				6.12				1.54		1.80		3.34	
5081+98.63	5083+86.06	LT	187.43	12.00			2249.16							72.89		41.65				41.23				10.41		12.15		22.56	
5083+86.06	5084+20.00	LT	33.94	16.07			545.42							17.68		10.10				10.00				2.53		2.95		5.48	
5084+20.00	5084+36.06	LT	16.06	22.07	1.0202		361.60							11.72		6.70				6.63				1.67		1.95		3.62	
5084+36.06	5084+56.78	LT	20.72	24.00	1.0220		508.22							16.47		9.41				9.32				2.35		2.75		5.10	
5024+38.21	5031+34.48	RT	696.27	12.00	0.9988		8345.21							270.45		154.54				153.00		38.64				45.07		83.71	
5032+67.33	5034+83.90	RT	216.57	12.00	0.9988		2595.72							84.12		48.07				47.59				12.02		14.02		26.04	
5062+06.35	5069+99.95	RT	793.60	12.00	0.9979		9503.20							307.97		175.99				174.23				44.00		51.33		95.33	
5069+99.95	5071+16.53	RT	116.58	12.00	0.9984		1396.72							45.26		25.87				25.61				6.47		7.54		14.01	
5074+42.45	5076+08.84	RT	166.39	12.00	0.9984		1993.49							64.60		36.92				36.55				9.23		10.77		20.00	
5076+08.84	5079+12.85	RT	304.01	12.00			3648.12							118.23		67.56				66.88				16.89		19.70		36.59	
5079+12.85	5080+13.82	RT	100.97	12.00	0.9969		1207.88							39.14		22.37				22.14				5.59		6.52		12.11	
5081+70.91	5081+98.63	RT	27.72	12.00	0.9969		331.61							10.75		6.14				6.08				1.54		1.79		3.33	
5081+98.63	5084+20.00	RT	221.37	12.00			2656.44							86.09		49.19				48.70				12.30		14.35		26.65	
5084+20.00	5084+56.78	RT	36.78	12.00	0.9890		436.51							14.15		8.08				8.00				2.02		2.36		4.38	
TOTALS CARRIED TO PAVEMENT SUBSUMMARY													255	2597	153	1484		124	142	1469		66	34	306	41	433		804	

CALCULATED CJC

CHECKED CWC

PAVEMENT CALCULATIONS

FRA - 70 / 71 - 12.68 / 14.86

STATION		SIDE	LENGTH (L)	AVERAGE WIDTH (W)	CURVE CORRECTION RATIO	CURB CURVE CORRECTION RATIO	SURFACE AREA (A=LxW)	CADD AREA	AREA FOR 4" EXTENSION	AREA FOR 6" EXTENSION	AREA FOR 20" EXTENSION	AREA FOR 28" EXTENSION	302		304		407		442		442		442				609		609	
													10.5" ASPHALT CONCRETE BASE, PG64-22		6" AGGREGATE BASE		NON-TRACKING TACK COAT (0.055 GAL/SY - 3 APPLICATION)		1 1/2" ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (446), AS PER PLAN		1 1/2" ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (446), AS PER PLAN, PG76-22M		1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, 19 MM, TYPE A (446)				CURB, TYPE 4-C		CURB, TYPE 6	
FROM	TO		FT	FT			SF	SF	SF	SF	SF	SF	CY		CY		GAL		CY		CY		CY				FT		FT	
												4	01/NHS/PV	01/NHS/PV	01/NHS/PV	01/NHS/PV	01/NHS/PV	01/NHS/PV	01/NHS/PV	01/NHS/PV	01/NHS/PV	01/NHS/PV	01/NHS/PV	01/NHS/PV			01/NHS/PV		01/NHS/PV	
			RAMP C5																											
FULL DEPTH SHOULDER																														
5032+65.73	5034+97.48	LT	231.75	10.00	1.0035	1.0045	2325.61				387.99			75.37		50.25		42.64				10.77		12.56			232.79			
5034+97.48	5036+25.00	LT	127.52	10.00			1275.20				212.53			41.33		27.55		23.38				5.90		6.89			127.52			
5036+25.00	5036+30.43	LT	5.43	10.00			54.30		1.81	2.71				1.86		1.14		1.03				0.25		0.29						
5036+30.43	5039+05.43	LT	275.00	8.00			2200.00		91.67	137.50				76.50		47.53		42.29				10.19		11.88						
5039+05.43	5041+17.78	LT	212.35	6.00			1274.10		70.78	106.18				45.30		28.84		24.87				5.90		6.88						
5041+17.78	5041+34.21	LT	16.43	6.00	0.9935	0.9921	97.94		5.43	8.15				3.48		2.22		1.91				0.45		0.53						
5041+34.21	5041+57.96	LT	23.75	6.00	0.9935	0.9921	141.57				39.27			4.59		3.35		2.60				0.66		0.76			23.56			
5062+50.38	5062+68.89	LT	18.51	CADD				227.95			30.85			7.39		4.79		4.18				1.06		1.23			18.51			
5062+68.89	5069+27.87	LT	658.98	10.00	1.0101	1.0119	6656.36		222.27	333.41				228.32		139.73		126.79				30.82		35.95						
5074+89.25	5076+08.84	LT	119.59	4.00	1.0037	1.0042	480.13		40.03	60.05				17.83		11.86		9.66				2.22		2.59						
5076+08.84	5078+81.85	LT	273.01	4.00			1092.04		91.00	136.50				40.55		26.96		21.97				5.06		5.90						
5078+81.85	5079+00.00	LT	18.15	4.00			72.60				30.25			2.35		1.90		1.33				0.34		0.39			18.15			
5079+00.00	5079+12.85	LT	12.85	4.00			51.40				21.42			2.36		1.35		1.34				0.24		0.39						
5079+12.85	5080+10.75	LT	97.90	4.00	1.0073	1.0084	394.46				164.54			18.12		10.35		10.25				1.83		3.02						
5081+66.63	5081+98.63	LT	32.00	4.00	1.0073	1.0084	128.93				53.78			4.18		3.38		2.36				0.60		0.70					32.27	
5081+98.63	5084+20.00	LT	221.37	4.00			885.48				368.95			28.70		23.23		16.23				4.10		4.78					221.37	
5084+20.00	5084+36.06	LT	16.06	4.00	1.0331	1.0368	66.37				27.75			2.15		1.74		1.22				0.31		0.36					16.65	
5084+36.06	5084+56.78	LT	20.72	4.00	1.0476	1.0513	86.83							2.81		1.61		1.59				0.40		0.47						
5024+38.21	5025+38.21	RT	100.00	10.95	0.9964	0.9953	1091.06		33.18	49.77				37.24		22.66		20.71				5.05		5.89						
5025+38.21	5030+50.04	RT	511.83	10.00	0.9965	0.9955	5100.39		169.84	254.76				174.92		107.03		97.14				23.61		27.55						
5030+50.04	5031+00.04	RT	50.00	14.00	0.9961	0.9947	697.27		16.58	24.87				23.54		14.14		13.14				3.23		3.77						
5031+00.04	5031+23.25	RT	23.21	17.45	0.9958	0.9940	403.31				38.45			13.07		8.18		7.39				1.87		2.18			23.07			
5031+23.25	5031+35.85	RT	12.60	16.61	0.9959	0.9942	208.43							6.75		3.86		3.82				0.96		1.13						
5032+69.04	5033+86.76	RT	117.72	10.91	0.9964	0.9953	1279.70							41.47		23.70		23.46				5.92		6.91						
5033+86.76	5034+83.94	RT	97.18	10.00	0.9965	0.9955	968.40							31.38		17.93		17.75				4.48		5.23						
5039+05.43	5041+17.78	RT	212.35	6.00			1274.10		70.78	106.18				45.30		28.84		24.87				5.90		6.88						
5041+17.78	5041+32.96	RT	15.18	6.00	1.0013	1.0026	91.20		5.07	7.61				3.24		2.06		1.78				0.42		0.49						
5041+32.96	5041+57.96	RT	25.00	6.00	1.0013	1.0026	150.20				41.78			4.87		3.56		2.75				0.70		0.81			25.07			
5061+87.48	5062+01.26	RT	13.78	CADD				78.03			22.97			2.53		1.87		1.43				0.36		0.42			13.78			
5062+01.26	5062+81.58	RT	80.32	10.00	0.9941	0.9923	798.46		26.57	39.85				27.38		16.75		15.21				3.70		4.31						
5062+81.58	5063+31.58	RT	50.00	11.00	0.9939	0.9920	546.65		16.53	24.80				18.65		11.35		10.38				2.53		2.95						
5063+31.58	5063+49.88	RT	18.30	12.00	0.9937	0.9916	218.22				30.24			7.07		4.60		4.00				1.01		1.18			18.15			
5063+49.88	5063+64.00	RT	14.12	12.00	0.9937	0.9916	168.37		4.67	7.00	23.34			6.70		4.03		3.74				0.78		1.07						
5063+64.00	5066+50.00	RT	286.00	12.00	0.9937	0.9916	3410.38							110.52		63.16		62.52				15.79		18.42						
5066+50.00	5066+64.12	RT	14.12	12.00	0.9937	0.9916	168.37		4.67	7.00	23.34			6.70		4.03		3.74				0.78		1.07						
5066+64.12	5067+14.12	RT	50.00	11.00	0.9939	0.9920	546.65		16.53	24.80				18.65		11.35		10.38				2.53		2.95						
5067+14.12	5069+99.95	RT	285.83	10.00	0.9941	0.9923	2841.44		94.54	141.81				97.45		59.62		54.12				13.15		15.35						
5069+99.95	5070+95.32	RT	95.37	10.00	0.9955	0.9942	949.41		31.61	47.41				32.56		19.92		18.08				4.40		5.13						
5070+95.32	5071+25.49	RT	30.17	CADD				263.63			50.28			8.54		5.81		4.83				1.22		1.42			30.17			
5074+49.39	5076+08.84	RT	159.45	10.00	0.9955	0.9942	1587.32							51.44		29.39		29.10				7.35		8.57						
5076+08.84	5079+12.85	RT	304.01	10.00			3040.10							98.52		56.30		55.74				14.07		16.42						
5079+12.85	5080+17.60	RT	104.75	10.00	0.9911	0.9885	1038.18							33.64		19.23		19.03				4.81		5.61						
TOTALS CARRIED TO PAVEMENT SUBSUMMARY														**1506**		**928**		**841**				**206**		**242**			**531**		**271**	

CALCULATED CJC

CHECKED CWK

PAVEMENT CALCULATIONS

FRA - 70 / 71 - 12.68 / 14.86

STATION		SIDE	LENGTH (L)	AVERAGE WIDTH (W)	CURVE CORRECTION RATIO	CURB CURVE CORRECTION RATIO	SURFACE AREA (A=LxW)	CADD AREA	AREA FOR 4" EXTENSION	AREA FOR 6" EXTENSION	AREA FOR 20" EXTENSION	AREA FOR 28" EXTENSION	302		304		407		442		442		442		442		609	
													10.5" ASPHALT CONCRETE BASE, PG64-22		6" AGGREGATE BASE		NON-TRACKING TACK COAT (0.055 GAL/SY - 3 APPLICATION)		1 1/2" ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (446), AS PER PLAN		1 1/2" ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (446), AS PER PLAN, PG76-22M		1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, 19 MM, TYPE A (446)		ANTI-SEGREGATION EQUIPMENT		CURB, TYPE 4-C	
FROM	TO		FT	FT			SF	SF	SF	SF	SF	SF	CY		CY		GAL		CY		CY		CY		CY		FT	
												4	01/NHS/PV	01/NHS/PV	01/NHS/PV	01/NHS/PV	01/NHS/PV	01/NHS/PV	01/NHS/PV	01/NHS/PV	01/NHS/PV	01/NHS/PV	01/NHS/PV	01/NHS/PV	01/NHS/PV	01/NHS/PV	01/NHS/PV	01/NHS/PV
			RAMP C5																									
FULL DEPTH SHOULDER CONTD.																												
5081+76.21	5081+98.63	RT	22.42	10.00	0.9911	0.9885	222.20							7.20		4.11		4.07				1.03		1.20				
5081+98.63	5084+20.00	RT	221.37	10.00			2213.70							71.74		40.99		40.58				10.25		11.96				
5084+20.00	5084+56.78	RT	36.78	10.00	0.9688	0.9597	356.32							11.55		6.60		6.53				1.65		1.92				
			RAMP C6																									
FULL DEPTH LANES																												
6000+00.00	6001+83.07	LT	183.07	12.00			2196.84							71.19		40.68		40.28				10.17		11.87		22.04		
6005+03.02	6006+78.48	LT	175.46	12.00	1.0022		2110.15							68.38		39.08		38.69				9.77		11.40		21.17		
6006+78.48	6010+12.24	LT	333.76	12.00	1.0022		4013.93							130.08		74.33		73.59		18.58				21.68		40.26		
6010+12.24	6010+81.51	LT	69.27	12.00	1.0016		832.57							26.98		15.42		15.26		3.85				4.50		8.35		
6010+81.51		RT			CADD			17.50						0.57		0.32		0.32		0.08				0.09		0.17		
FULL DEPTH SHOULDER																												
6000+00.00	6000+50.00	LT	50.00	9.00			450.00		16.67	25.00				15.53		9.57		8.61				2.08		2.43				
6000+50.00	6001+51.38	LT	101.38	8.00			811.04		33.79	50.69				28.20		17.52		15.59				3.75		4.38				
6001+51.38	6001+80.33	LT	28.95	8.00			231.60		9.65	14.47				8.05		5.00		4.45				1.07		1.25				
6004+99.82	6005+66.44	LT	66.62	8.00	1.0059	1.0074	536.10				111.85			17.37		12.00		9.83				2.48		2.90				67.11
6005+66.44	6006+03.73	LT	37.29	8.00	1.0059	1.0074	300.08				62.61			9.72		6.72		5.50				1.39		1.62				37.57
6006+03.73	6006+78.48	LT	74.75	8.00	1.0059	1.0074	601.53							19.49		11.14		11.03				2.78		3.25				
6006+78.48	6007+78.48	LT	100.00	6.00	1.0055	1.0066	603.30							19.55		11.17		11.06		2.79				3.26				
6007+78.48	6009+10.70	LT	132.22	4.00	1.0052	1.0059	531.63							17.23		9.85		9.75		2.46				2.87				
6005+65.11	6005+66.44	RT	1.33	8.00			10.64		0.44	0.66				0.37		0.23		0.20				0.05		0.06				
6005+66.44	6006+78.48	RT	112.04	8.00	0.9985	0.9970	894.98		37.23	55.85				31.12		19.33		17.20				4.14		4.83				
6006+78.48	6009+00.00	RT	221.52	8.00	0.9985	0.9970	1769.50		73.62	110.43				61.52		38.22		34.02		8.19				9.56				
6009+00.00	6010+12.24	RT	112.24	10.23	0.9981	0.9962	1146.03		37.27	55.91				39.25		23.98		21.81		5.31				6.19				
6010+12.24	6010+36.04	RT	23.80	12.92	0.9983	0.9966	306.97		7.91	11.86				10.40		6.27		5.80		1.42				1.66				
6010+36.04	6010+81.51	RT	45.47	13.61	0.9982	0.9964	617.73		15.10	22.65				20.88		12.56		11.65		2.86				3.34				
6010+81.51		RT	8.32		CADD			63.38	2.77	4.16				2.21		1.38		1.22		0.29				0.34				
			GORE AREAS																									
EB I.R. 70/ RAMP C5																												
5028+92.28	5031+36.48	LT			CADD			1800.55						58.35		33.34		33.01		8.34				9.73				
RAMP C5/ RAMP C3																												
3002+46.97	3004+35.94	LT			CADD			1000.90					32.44		18.54		18.35		4.63				5.41					
NB S.R. 315/ NB I.R. 71																												
254+00.38	258+66.99	LT			CADD			3796.96					61.52	61.52	35.16	35.16	34.81	34.81	8.79	8.79			10.25	10.25				
NB I.R. 71/ RAMP A5																												
5004+66.41	5006+94.28	LT			CADD			2244.83						72.75		41.57		41.16		10.39				12.12				
RAMP C5/ RAMP C6																												
5069+27.87	5071+18.62	LT			CADD			208.55						6.76		3.86		3.82		0.97				1.13				
5074+40.30	5074+89.25	LT			CADD			1221.47						39.58		22.62		22.39		5.65				6.60				
RAMP C6/ EB I.R. 70																												
6009+10.70	6010+81.51	LT			CADD			1852.00					36.01	24.01	20.58	13.72	20.37	13.58	5.14	3.43			6.00	4.00				
TOTALS CARRIED TO PAVEMENT SUBSUMMARY													130	952	75	557	74	536	19	84		51	22	157		92		105

CALCULATED CJC

CHECKED CWK

PAVEMENT CALCULATIONS

FRA - 70 / 71 - 12.68 / 14.86

STATION		SIDE	LENGTH (L)	AVERAGE WIDTH (W)	CURVE CORRECTION RATIO	CURB CURVE CORRECTION RATIO	SURFACE AREA (A=LxW)	CADD AREA			209		441		609	
											LINEAR GRADING, AS PER PLAN		2" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, (448), (UNDER GUARDRAIL), AS PER PLAN		4" CONCRETE TRAFFIC ISLAND	
FROM	TO		FT	FT			SF	SF			STA		SY		SY	
										4	01/NHS/PV	01/NHS/PV	01/NHS/PV	01/NHS/PV	01/NHS/PV	01/NHS/PV
CONCRETE TRAFFIC ISLAND																
EASTBOUND I.R. 70																
4170+05.70	4170+85.14	RT			CADD			756.66							50.44	33.63
4181+18.33	4191+57.05	RT			CADD			15666.72							1044.45	696.30
RAMP C6																
6004+96.45	6005+66.44	LT	69.99	5.00	1.0085	1.0094	352.92								39.21	
6005+66.44	6006+03.73	LT	37.29	5.00	1.0085	1.0094	188.03								20.89	
LIVINGSTON AVE																
200+04.24	200+41.44	LT	37.20	5.50			204.60								22.73	
200+41.44	200+81.63	LT			CADD			308.99							34.33	
200+81.63	200+88.64	LT	7.01	6.00			42.06								4.67	
200+88.64	202+10.14	LT	121.50	2.50			303.75								33.75	
202+10.14	202+17.15	LT	7.01	6.00			42.06								4.67	
202+17.15	202+45.73	LT	28.58	7.81			223.21								24.80	
PAVING UNDER GUARDRAIL																
EASTBOUND I.R. 70																
4157+88.17	4158+18.16	RT	29.99	4.50			134.95				0.18	0.12	0.50	0.33		
4158+18.16	4159+84.50	RT	166.34	5.00			831.70				1.00	0.67	3.08	2.05		
4159+84.50	4161+44.10	RT	159.60	5.00	0.9804		782.36				0.96	0.64	2.90	1.93		
4161+44.10	4163+70.78	RT	226.68	5.00	0.9808		1111.64				1.36	0.91	4.12	2.74		
4163+70.78	4164+98.77	RT	127.99	5.00	0.9806		627.53				0.77	0.51	2.32	1.55		
4164+98.77	4165+91.66	RT	92.89	5.00			464.45				0.56	0.37	1.72	1.15		
4165+91.66	4166+41.70	RT	50.04	4.50			225.18				0.30	0.20	0.83	0.56		
NORTHBOUND I.R. 71																
260+73.65	264+34.96	LT	361.31	5.00	1.0080		1821.00				1.81	1.81	5.62	5.62		
264+34.96	266+34.96	LT	200.00	5.00	1.0279		1027.90				1.00	1.00	3.17	3.17		
266+34.96	271+02.18	LT	467.22	5.00	1.0479		2448.00				2.34	2.34	7.56	7.56		
271+02.18	271+82.90	LT	80.72	5.00	1.0027		404.69				0.40	0.40	1.25	1.25		
271+82.90	272+01.00	LT	18.10	5.00	1.0027		90.74				0.09	0.09	0.28	0.28		
251+98.00	252+72.43	RT	74.43	2.00			148.86				0.37	0.37	0.46	0.46		
265+51.85	265+60.00	RT	8.15	6.76	0.9838		54.20				0.04	0.04	0.17	0.17		
265+60.00	266+10.00	RT	50.00	4.59	0.9839		225.81				0.25	0.25	0.70	0.70		
266+10.00	266+34.96	RT	24.96	2.50	0.9840		61.40				0.12	0.12	0.19	0.19		
266+34.96	269+78.10	RT	343.14	2.50	0.9690		831.26				1.72	1.72	2.57	2.57		
269+78.10	270+80.00	RT	101.90	2.50	0.9725		247.74				0.51	0.51	0.76	0.76		
RAMP A5																
5008+46.34	5012+18.10	LT	371.76	5.00			1858.80					3.72		11.47		
5012+18.10	5015+07.72	LT	289.62	5.00	1.0366		1501.10					2.90		9.27		
5009+36.52	5009+60.85	RT	33.46		CADD			163.69				0.33		1.01		
5009+60.85	5012+18.10	RT	257.25	3.00			771.75					2.57		4.76		
5012+18.10	5013+90.00	RT	171.90	3.00	0.9812		506.00					1.72		3.12		
5013+90.00	5014+34.17	RT	44.17	2.50	0.9817		108.40					0.44		0.67		
TOTALS CARRIED TO PAVEMENT SUBSUMMARY											**14**	**24**	**39**	**64**	**1280**	**730**

CALCULATED CJC

CHECKED CWL

PAVEMENT CALCULATIONS

FRA - 70 / 71 - 12.68 / 14.86

STATION FROM	STATION TO	SIDE	LENGTH (L)	AVERAGE WIDTH (W)	CURVE CORRECTION RATIO	CURB CURVE CORRECTION RATIO	SURFACE AREA (A=LxW)	CADD AREA			LINEAR GRADING, AS PER PLAN		2" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, (448), (UNDER GUARDRAIL), AS PER PLAN	
											209		441	
FROM	TO		FT	FT			SF	SF			STA		CY	
										4	01/NHS/PV	01/NHS/PV	01/NHS/PV	01/NHS/PV
PAVING UNDER GUARDRAIL														
RAMP C3														
3004+51.96	3007+82.91	LT	330.95	5.00	1.0461		1731.03				3.31		10.69	
3007+82.91	3008+75.00	LT	92.09	5.00			460.45				0.92		2.84	
3008+75.00	3009+00.00	LT	25.00	5.00			125.00				0.25		0.77	
3004+35.94	3005+35.94	RT	100.00	5.00	0.9785		489.25				1.00		3.02	
3005+35.94	3007+82.91	RT	246.97	5.00	0.9826		1213.36				2.47		7.49	
3007+82.91	3008+00.00	RT	17.09	5.00			85.45				0.17		0.53	
3008+00.00	3009+00.00	RT	100.00	5.00			500.00				1.00		3.09	
RAMP C5														
5040+39.70	5041+17.78	LT	78.08	5.00			390.40					0.78		2.41
5041+17.78	5041+34.21	LT	16.43	5.00	0.9911		81.42					0.16		0.50
5041+34.21	5041+67.53	LT	33.32	4.50	0.9912		148.62					0.33		0.92
5062+42.40	5062+68.89	LT	26.49	4.50	1.0127		120.72					0.26		0.75
5062+68.89	5069+27.87	LT	658.98	5.00	1.0127		3336.75					6.59		20.60
5074+89.25	5076+08.84	LT	119.59	5.00	1.0048	1.0045	600.82					1.20		3.71
5076+08.84	5079+00.00	LT	291.16	5.00			1455.80					2.91		8.99
5024+38.21	5025+38.21	RT	100.00	5.00	0.9948		497.40					1.00		3.07
5025+38.21	5030+50.04	RT	511.83	5.00	0.9950		2546.35					5.12		15.72
5030+50.04	5031+00.04	RT	50.00	5.00	0.9942		248.55					0.50		1.53
5031+00.04	5031+23.25	RT	23.21	4.50	0.9934		103.76					0.23		0.64
5039+05.43	5039+23.72	RT	18.29	CADD				142.71				0.18		0.88
5039+23.72	5041+17.78	RT	194.06	5.00			970.30					1.94		5.99
5041+17.78	5041+32.96	RT	15.18	5.00	1.0037		76.18					0.15		0.47
5041+32.96	5041+65.88	RT	32.92	4.50	1.0036		148.67					0.33		0.92
5061+86.88	5062+01.26	RT	14.38	4.50	0.9915		64.16					0.14		0.40
5062+01.26	5063+64.00	RT	162.74	5.00	0.9914		806.70					1.63		4.98
5066+50.00	5069+99.95	RT	349.95	5.00	0.9914	0.9941	1734.70					3.50		10.71
5069+99.95	5070+95.32	RT	95.37	5.00	0.9936	0.9955	473.80					0.95		2.92
5070+95.32	5071+25.49	RT	30.17	4.50	0.9937	0.9957	134.91					0.30		0.83
RAMP C6														
6000+00.00	6000+50.00	LT	50.00	5.00			250.00					0.50		1.54
6000+50.00	6001+51.38	LT	101.38	5.00			506.90					1.01		3.13
6001+51.38	6001+81.30	LT	29.92	4.50			134.64					0.30		0.83
6005+64.29	6005+66.44	RT	2.15	5.00			10.75					0.02		0.07
6005+66.44	6009+00.00	RT	333.56	5.00	0.9961		1661.30					3.34		10.25
6009+00.00	6010+12.24	RT	112.24	5.00	0.9953		558.56					1.12		3.45
6010+12.24	6010+36.04	RT	23.80	5.00	0.9959		118.51					0.24		0.73
6010+36.04	6010+81.51	RT	45.47	5.00	0.9957		226.37					0.45		1.40
6010+81.51		RT	8.22	CADD				41.11				0.08		0.25
TOTALS CARRIED TO PAVEMENT SUBSUMMARY											**10**	**36**	**29**	**109**

CALCULATED CJC

CHECKED CVK

PAVEMENT CALCULATIONS

FRA - 70 / 71 - 12.68 / 14.86

STATION FROM	STATION TO	SIDE	LENGTH (L)	AVERAGE WIDTH (W)	AREA FOR 6" EXTENSION	304 6" AGGREGATE BASE		622 CONCRETE BARRIER, SINGLE SLOPE, TYPE B				622 CONCRETE BARRIER, SINGLE SLOPE, TYPE C1		622 CONCRETE BARRIER, SINGLE SLOPE, TYPE D		622 CONCRETE BARRIER, SINGLE SLOPE, TYPE D, AS PER PLAN				622 BARRIER MISC.: CONCRETE BARRIER, TYPE B50		622 CONCRETE BARRIER, END ANCHORAGE, REINFORCED, TYPE B								622 CONCRETE BARRIER, END ANCHORAGE, REINFORCED, TYPE C1, AS PER PLAN		622 CONCRETE BARRIER, END ANCHORAGE, REINFORCED, TYPE D		622 CONCRETE BARRIER, END ANCHORAGE, REINFORCED, TYPE D, AS PER PLAN		622 CONCRETE BARRIER, END SECTION, TYPE D		622 CONCRETE BARRIER, END SECTION, TYPE D, AS PER PLAN "A"		622 CONCRETE BARRIER, END SECTION, TYPE D, AS PER PLAN "B"		622 BARRIER TRANSTION	
			FT	FT	SF	CY		FT				FT		FT		FT				FT		EACH								EACH		EACH		EACH		EACH		EACH		EACH		EACH		EACH	
	BARRIER				4	01/NHS/ PV	01/NHS/ PV	01/NHS/ PV	01/NHS/ PV			01/NHS/ PV	01/NHS/ PV	01/NHS/ PV	01/NHS/ PV	01/NHS/ PV	01/NHS/ PV			01/NHS/ PV	01/NHS/ PV	01/NHS/ PV	01/NHS/ PV							01/NHS/ PV	01/NHS/ PV	01/NHS/ PV	01/NHS/ PV	01/NHS/ PV	01/NHS/ PV	01/NHS/ PV	01/NHS/ PV	01/NHS/ PV	01/NHS/ PV	01/NHS/ PV	01/NHS/ PV	01/NHS/ PV	01/NHS/ PV	01/NHS/ PV	01/NHS/ PV
EASTBOUND I.R. 70																																													
124+78.14	126+97.69	LT	219.55					131.73	87.82													4.00																						1.00	
4170+02.21	4170+91.16	LT	88.95	3.85	44.47	4.30	2.87													53.37	35.58																								
4174+06.00	4175+52.07	LT	146.07	3.70	73.04	6.82	4.54					87.64	58.43																	2.00															
4181+17.93	4187+89.40	LT	671.47											402.88	268.59																	8.00		1.00											
4177+34.85	4183+88.93	RT	654.08											392.45	261.63																	7.00				1.00									
4191+57.05	4192+72.36	RT	115.31											69.19	46.12																					2.00									
4197+44.64	4197+98.56	RT	53.92											32.35	21.57																					1.00								1.00	
NORTHBOUND I.R. 71																																													
272+01.00	272+50.00	LT	49.00											24.50	24.50																	1.00				1.00									
252+72.40	256+72.79	RT	400.39													200.20	200.20																			1.00									
270+80.03	273+05.93	RT	225.90											112.95	112.95																	4.00				1.00			1.00						
RAMP A5																																													
5014+34.17	5015+05.98	RT	71.81												71.81																		2.00				1.00								
RAMP C3																																													
3003+50.00	3004+35.94	RT	85.94											85.94																		1.00				1.00									
RAMP C5																																													
5079+00.00	5080+10.32	RT	110.32												110.32																		2.00										1.00		
5063+49.88	5063+64.00	RT	14.00																																		1.00								
5066+50.00	5066+64.12	RT	14.00																																		1.00								
DEDUCTIONS																																													
OVERHEAD SIGN FOUNDATIONS			10.00									-6.00	-4.00							-6.00	-4.00																								
MEDIAN INLETS			20.00									-12.00	-8.00	-92.00	-108.00																														
LIGHT TOWER FOUNDATIONS/PULLBOX			8.00					-14.40	-9.60					-9.60	-6.40																														
END ANCHORAGES			15.00					-36.00	-24.00			-21.68	-14.46	-199.24	-196.24																														
END SECTIONS			14.00											-68.60	-71.40	-7.00	-7.00																												
TRANSITION			20.00					-12.00	-8.00					-12.00	-8.00																														
TOTALS CARRIED TO PAVEMENT SUBSUMMARY						12	8	70	47			48	32	739	528	194	194			48	32	2	2							1	1	13	12	0	1	5	6	0	1		1	1	1	

CALCULATED CJC

CHECKED CWL

PAVEMENT CALCULATIONS

FRA - 70 / 71 - 12.68 / 14.86

STATION FROM	STATION TO	SIDE	LENGTH (L)	AVERAGE WIDTH (W)	CURVE CORRECTION RATIO	CURB CURVE CORRECTION RATIO	SURFACE AREA (A=LxW)	CADD AREA	6" EDGE EXTENSION	254 PAVEMENT PLANING, ASPHALT CONCRETE, 5" AVERAGE		302 10.5" ASPHALT CONCRETE BASE, PG64-22		304 6" AGGREGATE BASE		407 NON-TRACKING TACK COAT (0.055 GAL/SY - 1 APPLICATION) (0.085 GAL/SY - 1 APPLICATION)		442 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, 19 MM, TYPE A (446)				872 VOID REDUCING ASPHALT MEMBRANE (VRAM)				442 ANTI-SEGREGATION EQUIPMENT		442 1 1/2" ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (446), AS PER PLAN	
			FT	FT			SF	SF	SF	SY		CY		CY		GAL		CY				FT				SY		CY	
									4	01/NHS/PV	01/NHS/PV	01/NHS/PV	01/NHS/PV	01/NHS/PV	01/NHS/PV	01/NHS/PV	01/NHS/PV	01/NHS/PV	01/NHS/PV			01/NHS/PV	01/NHS/PV			01/NHS/PV	01/NHS/PV	01/NHS/PV	01/NHS/PV
MOMENT SLAB DEDUCTIONS																													
RAMP C3																													
3000+16.87	3002+88.88	RT	272.01	8.00	0.9999	0.9997	2175.86					-1.21		-40.29															
3002+88.88	3003+50.00	RT	61.12	8.00	0.9945	0.9891	486.27					-0.27		-9.01															
RAMP C5																													
5079+00.00	5079+12.85	LT	12.85	6.00			77.10						-0.79		-1.43														
5079+12.85	5080+12.79	LT	99.94	6.00	1.0068	1.0084	603.72						-6.15		-11.18														
5084+36.06	5084+56.78	LT	20.72	6.00	1.0458	1.0513	130.01						-1.32		-2.41														
5031+13.25	5031+37.85	RT	24.60	6.00	0.9947	0.9941	146.82						-1.50		-2.72														
5032+84.43	5033+86.76	RT	102.33	6.00	0.9959	0.9953	611.46						-6.23		-11.32														
5033+86.76	5034+83.94	RT	97.18	6.00	0.9961	0.9955	580.81						-5.92		-10.76														
5063+64.00	5066+50.00	RT	286.00	6.00	0.9934	0.9937	1704.67						-17.36		-31.57														
5074+47.22	5076+08.84	RT	161.62	8.00	0.9953	0.9948	1286.88						-0.71		-23.83														
5076+08.84	5079+12.85	RT	304.01	8.00			2432.08						-1.35		-45.04														
5079+12.85	5080+19.66	RT	106.81	8.00	0.9906	0.9895	846.45						-0.47		-15.68														
5081+83.61	5081+98.63	RT	15.02	6.00	0.9901	0.9885	89.23						-0.91		-1.65														
5081+98.63	5084+20.00	RT	221.37	6.00			1328.22						-13.53		-24.60														
5084+20.00	5084+56.78	RT	36.78	6.00	0.9652	0.9597	213.00						-2.17		-3.94														
EASTBOUND I.R. 70																													
RESURFACING																													
4186+25.00	4188+87.47	LT/RT	262.47	28.25			7414.78			494.32	329.55					69.20	46.14	24.03	16.02							44.63	29.75	20.60	13.73
4188+87.47	4190+40.00	LT/RT	152.53	36.00			5491.08			366.07	244.05					51.25	34.17	17.80	11.86							33.05	22.03	15.25	10.17
VOID REDUCING ASPHALT MEMBRANE (VRAM)																													
EASTBOUND I.R. 70			2864.85																			5156.73	3437.82						
WESTBOUND I.R. 70			512.10																			307.26	204.84						
NORTHBOUND I.R. 71			2092.03																			3138.05	3138.05						
RAMP A5			1183.01																				2366.02						
RAMP C3			883.13																			1766.26							
RAMP C5			912.84																				2738.52						
			674.06																				1348.12						
			1767.42																				5302.26						
RAMP C6			761.56																				1523.12						
TOTALS CARRIED TO PAVEMENT SUBSUMMARY										861	574	-2	-59	-50	-187	121	81	42	28			10369	20059			78	52	36	24

CALCULATED CJC

CHECKED CWC

PAVEMENT CALCULATIONS

FRA - 70 / 71 - 12.68 / 14.86

STATION FROM	STATION TO	SIDE	LENGTH (L)	AVERAGE WIDTH (W)	CURVE CORRECTION RATIO	CURB CURVE CORRECTION RATIO	SURFACE AREA (A=LxW)	CADD AREA	AREA FOR 6" EXTENSION	AREA FOR 12" EXTENSION	AREA FOR 18" EXTENSION	304 6" AGGREGATE BASE		305 9" CONCRETE BASE, CLASS QC 1P		407 NON-TRACKING TACK COAT (0.055 GAL/SY - 1 APPLICATION)		407 TACK COAT, 702.13 (0.070 GAL/SY - 1 APPLICATION)		441 1 1/4" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), AS PER PLAN, PG64-22		441 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (448)		452 12" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P	609 CURB, MISC.: COLUMBUS 18" CONCRETE CURB	609 CURB, MISC.: COLUMBUS 18" GRANITE CURB	609 CURB, MISC.: COLUMBUS 18" CONCRETE CURB		SPECIAL PRESSURE RELIEF JOINT, TYPE A
			FT	FT			SF	SF	SF	SF	SF	CY		SY		GAL		GAL		CY		CY		SY	FT	FT	FT		FT
											4	01/NHS/PV	05/NHS/OT/COL	01/NHS/PV	05/NHS/OT/COL	01/NHS/PV	05/NHS/OT/COL	01/NHS/PV	05/NHS/OT/COL	01/NHS/PV	05/NHS/OT/COL	01/NHS/PV	05/NHS/OT/COL	01/NHS/PV	01/NHS/PV	06/ENH/OT/COL	05/NHS/OT/COL		01/NHS/PV
LIVINGSTON AVE																													
FULL DEPTH																													
200+04.62	200+28.61	LT	23.99	3.75			89.96			23.99		2.11		10.00		0.55		0.70		0.35		0.49			23.99				
200+28.61	200+41.49	LT	12.88	8.52	0.9782	0.9564	107.35			12.32		2.22		11.93		0.66		0.83		0.41		0.58			12.32				
200+41.49	200+81.85	LT	40.36	10.00	0.9744	0.9488	393.27			38.29		7.99		43.70		2.40		3.06		1.52		2.12			38.29				
200+81.85	200+88.85	LT	7.00	13.50			94.50			7.00		1.88		10.50		0.58		0.74		0.36		0.51			7.00				
200+88.85	202+09.96	LT	121.11	17.00			2058.87			121.11		40.37		228.76		12.58		16.01		7.94		11.12			121.11				
202+09.96	202+16.96	LT	7.00	13.50			94.50			7.00		1.88		10.50		0.58		0.74		0.36		0.51			7.00				
202+16.96	202+44.29	LT	27.33	10.98	0.9808	0.9617	294.32			26.28		5.94		32.70		1.80		2.29		1.14		1.59			26.28				
202+44.29	202+45.37	LT	1.08	11.98			12.94			1.08		0.26		1.44		0.08		0.10		0.05		0.07			1.08				
203+66.42	204+02.12	LT	38.33	CADD				354.83		38.33		7.28		39.43		2.17		2.76		1.64		1.92			38.33				
204+02.12	207+31.89	LT	329.77	23.00			7584.71			329.77			146.56		842.75		46.35		59.99		29.26		40.97				329.77		
207+31.89	207+47.00	LT	15.11	14.82			223.93			15.11			4.43		24.88		1.37		1.74		0.86		1.21				15.11		
200+04.62	200+28.61	RT	23.99	11.00			263.89				35.99	5.55		29.32		1.61		2.05		1.02		1.43			23.99				
200+28.61	200+81.85	RT	53.24	11.00	1.0282	1.0563	602.16				84.36	12.71		66.91		3.68		4.68		2.32		3.25							
200+81.85	201+01.09	RT	19.24	10.00			192.40				28.86	4.10		21.38		1.18		1.50		0.74		1.04							
200+28.61	201+01.09	RT	77.16	CADD				781.95			115.74	16.62		86.88		4.78		6.08		3.62		4.22			77.16				
201+01.09	202+16.99	RT	115.90	10.00			1159.00				173.85	24.68		128.78		7.08		9.01		4.47		6.26			115.90				
202+16.99	202+44.29	RT	27.30	11.40	1.0199	1.0398	317.41				42.58	6.67		35.27		1.94		2.47		1.22		1.71			28.39				
202+44.29	202+44.64	RT	0.35	12.80			4.48				0.52	0.09		0.50		0.03		0.03		0.02		0.02			0.35				
204+02.12	206+33.97	RT	231.85	16.00			3709.60				347.78		75.14		412.18		22.67		28.85		14.31		20.04				231.85		
206+33.97	207+00.26	RT	66.29	19.50			1292.65				99.43		25.78		143.63		7.90		10.05		4.99		6.98				66.29		
207+00.26	207+74.00	RT	73.74	24.12			1778.61				110.61		34.99		197.62		10.87		13.83		6.86		9.61				73.74		
FRONT ST																													
FULL DEPTH																													
147+75.00	147+87.46	LT	12.46	23.50			292.81				18.69	5.77		32.53		1.79		2.28		1.13		1.58			12.46				
147+87.46	148+19.22	LT	31.76	24.30			771.77				47.64	15.17		85.75		4.72		6.00		2.98		4.17			31.76				
148+19.22	148+21.47	LT	8.95	CADD				108.13			13.43	2.25		12.01		0.66		0.84		0.42		0.58			8.95				
148+21.47	148+25.58	LT	4.26	CADD				76.81			6.39	1.54													4.26				19.52
148+25.58	148+26.61	LT	1.03	CADD				19.17			1.55		0.38											2.13	1.03				
151+39.35	151+40.35	LT	1.00	28.30			28.30				1.50		0.55											3.14		1.00			
151+40.35	151+44.35	LT	4.00	28.25			113.00				6.00	2.20														4.00			28.29
151+44.35	152+50.00	LT	105.65	27.17			2870.51				158.47	56.09		318.95		17.54		22.33		11.07		15.50				105.65			
155+20.64	155+21.64	LT	1.00	26.95			26.95				1.50		0.53											2.99					
147+75.00	147+78.00	RT	3.00	22.79			68.37				4.50	1.35		7.60		0.42		0.53		0.26		0.37			3.00				
147+78.00	148+10.77	RT	32.77	22.75			745.52				49.16	14.72		82.84		4.56		5.80		2.88		4.03			32.77				
148+10.77	148+21.47	RT	5.20	CADD				182.64			7.80	3.53		20.29		1.12		1.42		0.70		0.99			5.20				
148+21.47	148+25.58	RT	4.00	CADD				96.67			6.00	1.90													4.00				24.20
148+25.58	148+26.61	RT	1.03	CADD				24.76			1.55		0.49											2.75	1.03				
151+39.35	151+40.35	RT	1.00	26.60			26.60			1.00			0.51											2.96		1.00			
151+40.35	151+44.35	RT	4.00	26.60			106.40		2.00			2.01														4.00			26.60
151+44.35	152+18.08	RT	73.73	26.54			1956.79		36.86			36.92		217.42		11.96		15.22		7.55		10.57				73.73			
151+40.35	152+18.08	RT	84.20	7.50			631.50			84.20		13.25		70.17		3.86		4.91		2.44		3.41				84.20			
152+18.08	152+35.63	RT	17.55	26.38			462.97			17.55		8.90		51.44		2.83		3.60		1.79		2.50				17.55			
152+35.63	152+47.66	RT	12.03	26.43			317.95			12.03		6.11		35.33		1.94		2.47		1.23		1.72				12.03			
152+47.66	152+50.00	RT	2.34	26.59			62.22			2.34		1.20		6.91		0.38		0.48		0.24		0.34				2.34			
155+20.64	155+21.64	RT	1.00	25.66			25.66			1.00			0.49											2.85					
148+48.20	148+61.92	LT/RT	36.30	CADD				1061.59			54.45	20.67												117.95	36.30				
TOTALS CARRIED TO PAVEMENT SUBSUMMARY												**334**	**290**	**1700**	**1622**	**94**	**90**	**119**	**114**	**60**	**57**	**83**	**79**	**135**	**662**	**306**	**717**		**99**

CALCULATED CJC

CHECKED CWC

PAVEMENT CALCULATIONS

FRA - 70 / 71 - 12.68 / 14.86

STATION		SIDE	LENGTH (L)	AVERAGE WIDTH (W)	CURVE CORRECTION RATIO	CURB CURVE CORRECTION RATIO	SURFACE AREA (A=LxW)	CADD AREA	AREA FOR 12" EXTENSION	AREA FOR 36" EXTENSION	254 PAVEMENT PLANING, ASPHALT CONCRETE, 1.25" AVERAGE	302 8" ASPHALT CONCRETE BASE PG64-22	304 6" AGGREGATE BASE			305 9" CONCRETE BASE, CLASS QC 1P			407 NON-TRACKING TACK COAT (0.055 GAL/SY - 1 OR 2 APPLICATION) OR (0.085 GAL/SY - 1 APPLICATION)			407 TACK COAT, 702.13 (0.070 GAL/SY - 1 APPLICATION)			441 1 1/4" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), AS PER PLAN, PG64-22			441 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (448)			452 12" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P	609 CURB, MISC.: COLUMBUS 18" GRANITE CURB	609 CURB, MISC.: COMBINATION CURB AND GUTTER, TYPE SPECIAL
FROM	TO		FT	FT			SF	SF	SF	SF	SY	CY	CY			SY			GAL			GAL			CY			CY			SY	FT	FT
										4	01/NHS/PV	01/NHS/PV	01/NHS/PV	04/MPO/OT	05/NHS/ OT/COL	01/NHS/PV	04/MPO/OT	05/NHS/ OT/COL	01/NHS/PV	04/MPO/OT	05/NHS/ OT/COL	01/NHS/PV	04/MPO/OT	05/NHS/ OT/COL	01/NHS/PV	04/MPO/OT	05/NHS/ OT/COL	01/NHS/PV	04/MPO/OT	05/NHS/ OT/COL	01/NHS/PV	06/ENH/ OT/COL	01/NHS/PV
FRONT ST																																	
RESURFACING																																	
152+50.00	152+57.34	LT	7.34	26.21			192.38				21.38								1.82						0.74								
152+57.34	153+39.21	LT	81.87	26.36			2158.09				239.79								20.38						8.33								
153+39.21	155+20.64	LT	181.43	26.69			4842.37				538.04								45.73						18.68								
152+50.00	155+20.64	RT	270.64	26.12			7069.12				785.46								66.76						27.27								
FULTON ST																																	
FULL DEPTH																																	
19+58.05	19+62.00	LT	3.95	3.94			15.56		3.95				0.36			1.73			0.10			0.12			0.06			0.08				3.95	
19+62.00	19+66.62	LT	4.62	10.20			47.12		4.62				0.96			5.24			0.29			0.37			0.18			0.25				4.62	
19+66.62	19+87.23	LT	20.61	14.64			301.73		20.61				5.97			33.53			1.84			2.35			1.16			1.63				20.61	
19+87.23	22+00.00	LT	212.77	31.00			6595.87		212.77				126.09			732.87			40.31			51.30			25.45			35.63				212.77	
22+00.00	22+40.00	LT	40.00	30.50			1220.00		40.00				23.33			135.56			7.46			9.49			4.71			6.59				40.00	
22+40.00	23+00.00	LT	60.00	30.00			1800.00		60.00				34.44			200.00			11.00			14.00			6.94			9.72				60.00	
23+00.00	23+15.00	LT	15.00	29.81			447.15		15.00				8.56			49.68			2.73			3.48			1.73			2.42				15.00	
19+85.90	19+87.23	RT	1.33	3.43			4.56		1.33				0.11			0.51			0.03			0.04			0.02			0.02				1.33	
19+87.23	20+45.00	RT	57.77	17.00			982.09		57.77				19.26			109.12			6.00			7.64			3.79			5.30				57.77	
20+45.00	20+53.00	RT	8.00	21.00			168.00		8.00				3.26			18.67			1.03			1.31			0.65			0.91				8.00	
20+53.00	23+00.00	RT	247.00	25.00			6175.00		247.00				118.93			686.11			37.74			48.03			23.82			33.35				247.00	
23+00.00	23+15.00	RT	15.00	21.84			327.60		15.00				6.34			36.40			2.00			2.55			1.26			1.77				15.00	
MOUND ST																																	
FULL DEPTH																																	
11+49.86	11+50.86	LT	1.00	26.88			26.88								0.50																2.99	1.00	
11+68.38	12+33.37	LT			CADD			2408.88							44.61																267.65		
12+52.78	12+53.78	LT	1.00	24.69			24.69								0.46																2.74	1.00	
11+49.86	11+50.86	RT	1.00	18.82			18.82								0.35																2.09	1.00	
11+68.38	12+33.37	RT			CADD			1961.03							36.32																217.89		
12+52.78	12+53.78	RT	1.00	21.75			21.75								0.40																2.42	1.00	
RESURFACING																																	
12+53.78	12+85.70	LT	31.92	24.90			794.81				88.31								7.51						3.07								
12+85.70	14+57.28	LT	171.58	24.73			4243.17				471.46								40.07						16.37								
14+57.28	16+33.38	LT	176.10	24.32			4282.75				475.86								40.45						16.52								
16+33.38	16+40.67	LT	7.29	25.47			185.68				20.63								1.75						0.72								
12+53.78	16+40.67	RT	386.89	22.19			8585.09				953.90								81.08						33.12								
SOUDER AVE																																	
FULL DEPTH																																	
5+65.70	6+13.55	LT	47.85	3.63			173.70			143.55		4.29	5.88						2.12						0.67			0.94					47.85
5+61.73	6+12.28	RT	50.55	3.69			186.53			151.65		4.61	6.26						2.28						0.72			1.01					50.55
2' BIKE LANE MORPC ADJUSTMENT																																	
FULTON ST																																	
19+63.11	23+15.00	LT	351.89	2.00			703.78						-13.03	13.03		-78.20	78.20		-4.30	4.30		-5.47	5.47		-2.72	2.72		-3.80	3.80				
LIVINGSTON AVE																																	
203+66.42	204+02.12	LT	35.70	2.00			71.40						-1.32	1.32		-7.93	7.93		-0.44	0.44		-0.56	0.56		-0.28	0.28		-0.39	0.39				
204+02.12	207+39.28	LT	337.16	2.00			674.32							12.49	-12.49		74.92	-74.92		4.12	-4.12		5.24	-5.24		2.60	-2.60		3.64	-3.64			
TOTALS CARRIED TO PAVEMENT SUBSUMMARY											**3595**	**9**	**346**	**27**	**71**	**1924**	**162**	**-75**	**416**	**9**	**-5**	**135**	**12**	**-6**	**193**	**6**	**-3**	**96**	**8**	**-4**	**496**	**691**	**99**

CALCULATED CJC

CHECKED CWL

PAVEMENT CALCULATIONS

FRA - 70 / 71 - 12.68 / 14.86

STATION		SIDE	LENGTH (L)	AVERAGE WIDTH (W)	CURVE CORRECTION RATIO	CURB CURVE CORRECTION RATIO	SURFACE AREA (A=LxW)	CADD AREA		AREA FOR 18" EXTENSION	608 WALKWAY, MISC.: BRICK PAVER CROSSWALK	609 CURB, MISC.: COLUMBUS 18" GRANITE CURB	609 CURB, MISC.: COLUMBUS 18" CONCRETE CURB				304 6" AGGREGATE BASE					618 RUMBLE STRIPS, (ASPHALT CONCRETE)							
FROM	TO		FT	FT			SF	SF		SF	SY	FT	FT				CY					MILE							
										4	05/NHS/OT/ COL	06/ENH/ OT/COL	05/NHS/OT/ COL	01/NHS/PV			01/NHS/PV	01/NHS/PV	05/NHS/OT/ COL			01/NHS/PV	01/NHS/PV						
WEST MOUND ST																													
23+48.52	25+21.36	LT	184.88											184.88															
CROSSWALK TREATMENT																													
FRONT ST																													
148+26.61	148+48.20	LT/RT	46.74		CADD			1071.71		70.11	1141.82		46.74						1.30										
151+19.35	151+39.35	LT/RT	42.78		CADD			1140.76		64.17	1204.93	42.78							1.19										
155+21.64	155+35.89	LT/RT			CADD			762.59			762.59																		
MOUND ST																													
11+50.86	11+69.68	LT/RT			CADD			957.51			957.51																		
12+33.37	12+52.78	LT/RT			CADD			976.86			976.86																		
RUMBLE STRIPS																													
EASTBOUND I.R. 70																													
125+96.00	126+97.69	LT	101.69																			0.01	0.01						
128+26.12	129+50.00	LT	123.88																			0.01	0.01						
119+98.35	126+97.69	RT	699.34																			0.08	0.05						
128+26.12	134+45.00	RT	618.88																			0.07	0.05						
NORTHBOUND I.R. 71																													
252+86.40	257+67.00	RT	480.60																			0.05	0.05						
257+67.00	258+90.12	RT	123.12																			0.01	0.01						
258+67.00	263+12.50	LT	445.50																			0.04	0.04						
260+86.40	263+12.50	RT	226.10																			0.02	0.02						
TOTALS CARRIED TO PAVEMENT SUBSUMMARY											**5044**	**43**	**47**	**185**					**3**			**0.29**	**0.24**						

CALCULATED CJC

CHECKED CWC

PAVEMENT CALCULATIONS

FRA - 70 / 71 - 12.68 / 14.86

STATION		SIDE	LENGTH (L)	AVERAGE WIDTH (W)	CURVE CORRECTION RATIO	CURB CURVE CORRECTION RATIO	SURFACE AREA (A=LxW)	CADD AREA	AREA FOR 6" EXTENSION	AREA FOR 36" EXTENSION					304													
															6" AGGREGATE BASE													
FROM	TO		FT	FT			SF	SF	SF	SF					CY													
														4	01/NHS/PV	01/NHS/PV												
APPROACH SLABS																												
EASTBOUND I.R. 70																												
126+97.69	127+27.68	LT	29.99	37.67	1.0033	1.0066	1133.45		15.09						12.76	8.51												
127+96.18	128+26.12	LT	29.94	37.67	1.0033	1.0066	1131.56		15.07						12.74	8.49												
175+62.88	175+92.88	LT	30.00	CADD				1180.39	15.00						13.28	8.85												
176+86.60	177+16.60	LT	30.00	CADD				1145.68	15.00						12.90	8.60												
126+97.69	127+27.68	RT	29.99	12.00	0.9990	0.9979	359.52								3.99	2.66												
127+96.18	128+26.12	RT	29.94	12.00	0.9990	0.9979	358.92								3.99	2.66												
175+62.88	175+92.88	RT	30.00	CADD				1803.28	15.00						20.20	13.47												
176+86.60	177+16.60	RT	30.00	CADD				1763.00	15.00						19.76	13.17												
RAMP A5																												
5015+06.59	5015+36.59	LT	30.00	21.67	0.9953	0.9905	647.04		14.86							12.26												
5015+06.59	5015+36.59	RT	30.00	9.67	0.9979	0.9958	289.49		14.94							5.64												
RAMP C5																												
5031+36.94	5031+66.94	LT	30.00	CADD				1026.12								19.00												
5032+35.51	5032+65.51	LT	30.00	CADD				1134.11								21.00												
5041+57.96	5041+87.96	LT	30.00	23.67	0.9948	0.9897	706.41		14.85							13.36												
5061+83.35	5062+13.35	LT	30.00	35.67	0.9922	0.9844	1061.75		14.77							19.94												
5071+18.62	5071+48.62	LT	30.00	12.00	1.0016	1.0031	360.58									6.68												
5074+10.30	5074+40.30	LT	30.00	12.00	1.0016	1.0031	360.58									6.68												
5080+15.86	5080+45.86	LT	30.00	17.67	1.0046	1.0093	532.54		15.14							10.14												
5081+38.82	5081+68.82	LT	30.00	17.67	1.0046	1.0093	532.54		15.14							10.14												
5031+36.94	5031+66.94	RT	30.00	23.67	0.9959	0.9917	707.19		14.88							13.37												
5032+35.51	5032+65.51	RT	30.00	23.67	0.9959	0.9917	707.19		14.88							13.37												
5041+57.96	5041+87.96	RT	30.00	7.67	1.0017	1.0033	230.49		15.05							4.55												
5061+83.35	5062+13.35	RT	30.00	23.67	0.9959	0.9917	707.19		14.88							13.37												
5071+18.62	5071+48.62	RT	30.00	23.67	0.9969	0.9938	707.90		14.91							13.39												
5074+10.30	5074+40.30	RT	30.00	23.67	0.9969	0.9938	707.90		14.91							13.39												
5080+15.86	5080+45.86	RT	30.00	23.67	0.9938	0.9876	705.70		14.81							13.34												
5081+38.82	5081+68.82	RT	30.00	23.67	0.9938	0.9876	705.70		14.81							13.34												
5084+56.78	5085+95.85	LT/RT	139.07	CADD				7243.79								134.14												
RAMP C6																												
6001+86.80	6002+16.50	LT	29.70	21.67	1.0028	1.0057	645.40		14.93							12.23												
6004+73.62	6005+02.85	LT	29.23	21.67	1.0028	1.0057	635.19		14.70							12.04												
6001+86.80	6002+16.50	RT	29.70	CADD				110.52								2.05												
6004+73.62	6005+02.85	RT	29.23	CADD				548.31								10.15												
FRONT ST																												
148+61.92	148+86.92	LT/RT	25.00	CADD				3961.68							73.36													
150+88.81	151+19.35	LT/RT	30.54	CADD				4348.89							80.54													
TOTALS CARRIED TO PAVEMENT SUBSUMMARY															**254**	**460**												

CALCULATED CJC

CHECKED CVK

PAVEMENT CALCULATIONS

FRA - 70 / 71 - 12.68 / 14.86

STATION FROM	STATION TO	SIDE	LENGTH (L)	AVERAGE WIDTH (W)	CURVE CORRECTION RATIO	CURB CURVE CORRECTION RATIO	SURFACE AREA (A=LxW)	CADD AREA	AREA FOR 6" EXTENSION	407 NON-TRACKING TACK COAT (0.055 GAL/SY - 1 APPLICATION)		608 8" CONCRETE WALK		304 5" AGGREGATE BASE		304 6" AGGREGATE BASE		608 WALKWAY, MISC.: COLUMBUS DETECTABLE WARNING, TYPE A		452 4" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P		608 WALKWAY, MISC.: 6X6 CONCRETE PAVERS		601 RIP RAP, WITH GROUT, AS PER PLAN		823 1 1/4" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448)		441 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (448)	
			FT	FT			SF	SF	SF	GAL		SF		CY		CY		SF		SY		SF		SY		CY		CY	
										01/NHS/PV	01/NHS/PV	01/NHS/PV	01/NHS/PV	01/NHS/PV	01/NHS/PV	01/NHS/PV	01/NHS/PV	01/NHS/PV	01/NHS/PV	01/NHS/PV	01/NHS/PV	01/NHS/PV	01/NHS/PV	01/NHS/PV	01/NHS/PV	01/NHS/PV	01/NHS/PV	01/NHS/PV	01/NHS/PV
BIKE PATH																													
FULL DEPTH									4																				
8+48.00	11+53.75	LT/RT	305.75	10.00			3057.50									24.91	31.71			149.48	190.24								
8+48.00	10+66.95	LT	218.95	4.00			875.80															385.35	490.45						
8+48.00	10+66.95	RT	218.95	4.00			875.80															385.35	490.45						
8+48.00	10+66.95	LT	218.95		CADD			955.12								7.78	9.90							46.69	59.43				
8+48.00	10+66.95	RT	218.95		CADD			1869.40								15.23	19.39							91.39	116.32				
BIKE PATH DETOUR																													
FULL DEPTH																													
1+37.10	2+31.62	LT/RT	94.52	10.00			945.20		94.52	2.54	3.23			7.06	8.99											1.60	2.04	2.25	2.86
2+31.62	2+41.62	LT/RT	10.00	10.00			100.00					44.00	56.00					8.80	11.20										
2+63.67	2+73.67	LT/RT	10.00	10.00			100.00					44.00	56.00					8.80	11.20										
2+73.67	5+14.22	LT/RT	241.55	10.00			2410.50		241.55	6.48	8.25			18.00	22.91											4.09	5.21	5.73	7.29
5+32.66	13+65.50	LT/RT	832.84	10.00			8328.40		832.84	22.39	28.50			62.21	79.17											14.14	17.99	19.79	25.19
13+65.50	13+90.50	LT/RT	25.00	10.50			262.50		25.00	0.71	0.90			1.95	2.48											0.45	0.57	0.62	0.79
13+90.50	21+46.63	LT/RT	756.13	11.00			8317.43		756.13	22.36	28.46			61.61	78.41											14.12	17.97	19.77	25.16
21+46.63	21+71.63	LT/RT	25.00	10.50			262.50		25.00	0.71	0.90			1.95	2.48											0.45	0.57	0.62	0.79
21+71.63	22+32.33	LT/RT	60.70	10.00			607.00		60.70	1.63	2.08			4.53	5.77											1.03	1.31	1.44	1.84
4																													
																4								4					
TOTALS CARRIED TO PAVEMENT SUBSUMMARY									4	57	73	88	112	158	201	48	61	18	23	150	191	771	981	139	176	36	46	51	64

CALCULATED CJC

CHECKED CWC

PAVEMENT CALCULATIONS

FRA - 70 / 71 - 12.68 / 14.86