

PAVEMENT CALCULATION TOTALS FOR MILLER RD. PROJECT

STATION TO STATION	202	202	202	202	204	204	209	254	254	302	304
	PAVEMENT REMOVED	WALK REMOVED	TRAFFIC ISLAND REMOVED	CURB REMOVED	SUBGRADE COMPACTION	GEOTEXTILE FABRIC	RESHAPING UNDER GUARDRAIL, AS PER PLAN	PAVEMENT PLANING, ASPHALT CONCRETE (T = 3.25')	PAVEMENT PLANING, ASPHALT CONCRETE (VARIABLE THICKNESS)	7.5" ASPHALT CONCRETE BASE, (449), AS PER PLAN (PG64-22)	6" AGGREGATE BASE
	SY	SF	SY	FT	SY	SY	STA	SY	SY	CY	CY
MILLER, WEST OF BRIDGE					4409	4272					738
MILLER, EAST OF BRIDGE					7928	7955					1461
SOUTHPOINTE					1437						235
RAMP B-1					2053		6				320
RAMP B-2					2813		7				444
RAMP B-3					2736		11				425
RAMP B-4					2132		2				336
I.R. 77 LEFT					3103	336	16	737	4090	609	503
I.R. 77 RIGHT					2337					472	385
PAVEMENT REMOVED	15332	17349	34	4165							
TOTAL	15332	17349	34	4165	28948	12563	42	737	4090	1081	4847

STATION TO STATION	407	407	441	442	442	442	442	451	452	608	609	609	609
	NON-TRACKING TACK COAT (0.085 GAL/SY NEW ASPHALT)	NON TRACKING TACK COAT (0.085 GAL/SY MILLED ASPHALT)	ASPHALT CONCRETE INTERMEDIATE COURSE, (UNDER GUARDRAIL), AS PER PLAN	ANTI-SEGREGATION EQUIPMENT	1.5" ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (446), AS PER PLAN	1.75" ASPHALT CONCRETE INTERMEDIATE COURSE, 19 MM, TYPE A (446)	(VARIABLE DEPTH) ASPHALT CONCRETE INTERMEDIATE COURSE, 19 MM, TYPE A (446) (AVG. T = 1.78")	11" REINFORCED CONCRETE PAVEMENT, CLASS QC 1P WITH QC/QA	12" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P WITH QC/QA	4" CONCRETE WALK, AS PER PLAN	CURB, TYPE 2-A	CURB, TYPE 6	CONCRETE MEDIAN
	GAL	GAL	CY	CY	CY	CY	CY	SY	SY	SF	FT	FT	SY
MILLER, WEST OF BRIDGE								4059		3900	721	550	
MILLER, EAST OF BRIDGE								7771		9139	1633		288
SOUTHPOINTE								1345		1290	472		
RAMP B-1			21						1847		98		
RAMP B-2			12						2726		128		
RAMP B-3			29						2450		87		
RAMP B-4			8						1949		103		
I.R. 77 LEFT	580	410	60	465	320	278	102					50	
I.R. 77 RIGHT	246			133	93	109							
PAVEMENT REMOVED													
SUBTOTAL	826	410	130	598	413	387	102	13175	8972	14329	3242	600	288
TOTAL		1236	130	598	413		489	13175	8972	14329	3242	600	288

CUY-77-00.42 PART 1
PID# 104983
PAVEMENT CALCULATIONS FOR I.R. 77 (LEFT)

STATION TO STATION	SIDE	LENGTH L (FT)	AVERAGE WIDTH W (FT)	SURFACE AREA A=LXW (SF)	CADD GENERATED AREA (SF)	204	204	209	254	254	302	304	407	407	441	441	442	442	442	609
						SUBGRADE COMPACTION	GEOTEXTILE FABRIC	RESHAPING UNDER GUARDRAIL, AS PER PLAN	PAVEMENT PLANING, ASPHALT CONCRETE (T = 3.25')	PAVEMENT PLANING, ASPHALT CONCRETE (VARIABLE THICKNESS)	7.5" ASPHALT CONCRETE BASE, (449), AS PER PLAN (P.064-22)	6" AGGREGATE BASE	NON-TRACKING TACK COAT (0.05% GAL/SY NEW ASPHALT)	NON-TRACKING TACK COAT (0.085 GAL/SY MILLED ASPHALT)	ANTI-SEGREGATION EQUIPMENT	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE I, (449), (UNDER GUARDRAIL), AS PER PLAN	1.5" ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (446), AS PER PLAN	1.75" ASPHALT CONCRETE INTERMEDIATE COURSE, 19 MM, TYPE A (446)	(VARIABLE DEPTH) ASPHALT CONCRETE INTERMEDIATE COURSE 19 MM, TYPE A (446), AS PER PLAN (AVG. T = 1.78')	CURB, TYPE 6
I.R. 77 (LEFT)		FT	FT	SF	SF	SY	SY	STA	SY	SY	CY	CY	GAL	GAL	CY	CY	CY	CY	CY	FT
18+00.00	20+03.00	LT	203.00	47.00	9541.00					1060.11			58.31	90.11	95.70		44.17	51.53		
				12.00	2436.00				270.67				14.89	23.01	11.28		11.28			
				12.00	2436.00														14.10	
				9.58		1945.59							23.78				9.01	10.51		
				9.92	2013.26					46.60										
				10.42	2114.76							39.16								
				11.08	2250.09		250.01													
				4.00	812.00			2.03												
20+03.00	21+11.00	LT	108.00	46.00	4968.00					552.00			30.36	46.92	49.83	7.52	23.00	26.83		
				12.00	1296.00				144.00				7.92	12.24	6.00		6.00			
				12.00	1296.00														7.50	
				4.86		524.39							6.41				2.43	2.83		
				5.19	560.39					12.97										
				5.69	614.39							11.38								
				6.36	686.39		76.27													
20+60.83	21+11.00	LT	50.17	46.00	2852.00					316.89			17.43	26.94	28.61		13.20	15.40		50.17
21+11.00	21+73.00	LT	62.00	12.00	744.00				82.67				4.55	7.03	3.44		3.44			
				12.00	744.00														4.31	
				5.27		326.75							3.99				1.51	1.76		
				5.60	347.42					8.04										
				6.10	378.42							7.01								
				6.77	419.75		46.64													
				4.00	248.00			0.62												
21+73.00	23+53.00	LT	180.00	46.83	8430.00					936.67			51.52	79.62	84.56	2.30	39.03	45.53		
				12.00	2160.00				240.00				13.20	20.40	10.00		10.00			
				12.00	2160.00														12.50	
				7.84		1411.65							17.25				6.54	7.62		
				8.18	1471.65					34.07										
				8.68	1561.65							28.92								
				9.34	1681.65		186.85													
				4.00	720.00			1.80												
23+53.00	25+45.02	LT	192.02	8.00	1536.16								18.78			6.67	7.11	8.30		
				8.83	1600.17					37.04										
				8.83	1696.18							31.41								
				9.50	1824.19		202.69													
				12.00	2304.24					256.03			14.08	21.76	10.67		10.67		13.33	
				4.00	768.08			1.92								7.11				
25+45.02	31+95.02	LT	650.00	6.34	4118.06	457.56				95.33	76.26	50.33			41.31		19.07	22.24		
				8.00	5200.00												24.07	28.09		
				8.33	5416.67					125.39										
				8.83	5741.67						106.33									
				9.50	6175.00		686.11													
				12.00	7800.00					866.67			47.67	73.67	36.11		36.11		45.14	
25+45.02	35+23.87	LT	978.85	4.00	3915.40			9.79								36.25				
31+95.02	32+45.83	LT	50.81	7.00	355.67								4.35				1.65	1.92		
				7.33	372.61					8.63										
				7.83	398.01							7.37								
				8.50	431.89		47.99													
				13.00	660.53		73.39				15.29	12.23	8.07		6.63		3.06	3.57		

CUY-77-00.42 PART 1
PID# 104983

PAVEMENT CALCULATIONS FOR I.R. 77 (LEFT)

STATION TO STATION	SIDE	LENGTH L (FT)	AVERAGE WIDTH W (FT)	SURFACE AREA A = LW (SF)	CADD GENERATED AREA (SF)	204	204	209	254	254	302	304	407	407	441	441	442	442	442	609
						SUBGRADE COMPACTION	GEOTEXTILE FABRIC	RESHAPING UNDER GUARDRAIL, AS PER PLAN	PAVEMENT PLANING, ASPHALT CONCRETE (T = 3.25")	PAVEMENT PLANING, ASPHALT CONCRETE (VARIABLE THICKNESS)	7.5" ASPHALT CONCRETE BASE, (449), AS PER PLAN (P.064-22)	6" AGGREGATE BASE	NON-TRACKING TACK COAT (0.055 GAL/SY NEW ASPHALT)	NON-TRACKING TACK COAT (0.085 GAL/SY MILLED ASPHALT)	ANTI-SEGREGATION EQUIPMENT	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE I, (449), (UNDER GUARDRAIL, AS PER PLAN	1.5" ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (446), AS PER PLAN	1.75" ASPHALT CONCRETE INTERMEDIATE COURSE, 19 MM, TYPE A (446)	(VARIABLE DEPTH) ASPHALT CONCRETE INTERMEDIATE COURSE 19 MM, TYPE A (446), AS PER PLAN (AVG. T = 1.78")	CURB, TYPE 6
						SY	SY	STA	SY	SY	CY	CY	GAL	GAL	CY	CY	CY	CY	CY	FT
32+45.83	32+71.09	LT	25.26	12.00	609.72					67.75			3.73	5.76	2.82		2.82		3.53	
				12.00	303.12					33.68			1.85	2.86	1.40		1.40		1.75	
				6.00	151.56								1.85				0.70	0.82		
				6.33	159.98						3.70									
				6.83	172.61							3.20								
				7.50	189.45															
				12.75	322.07															
32+71.09	34+16.19	LT	145.10	25.23	3661.52	406.84				7.16	5.96	3.94	3.23			1.49	1.74			
				6.00	870.60					84.76	67.81	44.75	36.73			16.95	19.78			
				6.33	918.97							10.64				1.03	4.70			
				6.83	991.52					21.27										
				7.50	1088.25						18.36									
34+16.19	35+23.87	LT	107.68	33.56	3613.52	401.50				83.65	66.92	44.17		36.25		16.73	19.52			
				6.00	646.08							7.90				2.99	3.49			
				6.33	681.97					15.79										
				6.83	735.81						13.63									
				7.50	807.60															
18+26.00	21+75.00	LT	349.00	8.67	3029.83															
						89.73		336.20												
PAVEMENT RESTORATION																				
43+94.19	44+39.27	LT	45.08		392.46					9.08	7.27	4.80				1.82	2.12			
TOTALS						3103.33	336.20	16.16	737.33	4089.79	609.06	503.21	580.05	410.31	464.57	59.85	320.28	278.31	102.16	50.17

CALCULATED BY: COM 12/20/21
CHECKED BY: ESM 12/21/21
CHECKED BY: DTB 5/30/22

CUY-77-00.42 PART 1

PID# 104983

PAVEMENT CALCULATIONS FOR I.R. 77 (RIGHT)

STATION TO STATION	SIDE	LENGTH L (FT)	AVERAGE WIDTH W (FT)	SURFACE AREA A=LxW (SF)	CADD GENERATED AREA (SF)	204	302	304	407	441	442	442	
						SUBGRADE COMPACTION	7.5" ASPHALT CONCRETE BASE, (449), AS PER PLAN (PG64-22)	6" AGGREGATE BASE	NON-TRACKING TACK COAT (0.055 GAL/SY NEW ASPHALT)	ANTI-SEGREGATION EQUIPMENT	1.5" ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (446), AS PER PLAN	1.75" ASPHALT CONCRETE INTERMEDIATE COURSE, 19 MM, TYPE A (446)	
						SY	CY	CY	GAL	CY	CY	CY	
SPEED CHANGE LANE (B-4)													
29+67.61	30+67.61	RT	100.00	6.00	600.00		66.67	13.89	11.11	7.33	6.02	2.78	3.24
				10.00	1000.00					12.22		4.63	5.40
				10.33	1033.33			23.92					
				10.83	1083.33				20.06				
				11.50	1150.00		127.78						
30+67.61	33+66.37	RT	298.76	12.00	3585.12		398.35	82.99	66.39	43.82	35.96	16.60	19.36
				8.00	2390.08					29.21		11.07	12.91
				8.33	2489.67			57.63					
				8.83	2639.05				48.87				
				9.50	2838.22		315.36						
33+66.37	35+20.10	RT	153.73	13.60		2090.85	232.32	48.40	38.72	25.55	20.97	9.68	11.29
				8.00	1229.84					15.03		5.69	6.64
				8.33	1281.08			29.65					
				8.83	1357.95				25.15				
				9.50	1460.44		162.27						
35+20.10	37+62.67	RT	242.57	26.78		6496.65	721.85	150.39	120.31	79.40	65.17	30.08	35.09
				8.00	1940.56					23.72		8.98	10.48
				8.33	2021.42			46.79					
				8.83	2142.70				39.68				
				9.50	2304.42		256.05						
37+62.67	38+00.00	RT	37.33	12.00	447.96					5.48	4.49	2.07	2.42
				12.33	460.40								
				12.83	479.07								
				13.50	503.95		55.99						
PAVEMENT RESTORATION													
43+54.48	43+96.02	RT	41.54			313.77		7.26	5.81	3.83		1.45	1.69
TOTALS							2336.63	471.58	384.97	245.60	132.61	93.03	108.54

CALCULATED BY: COM 12/20/21

CHECKED BY: ESM 12/21/21

PAVEMENT REMOVED CALCULATIONS

*UP TO BACK OF CURB **PAST CURB	STATION TO STATION		SIDE	LENGTH L (FT)	AVERAGE WIDTH W	SURFACE AREA A=LxW (SF)	CADD GENERATED AREA (SF)	202	202	202	202
								PAVEMENT REMOVED	WALK REMOVED	TRAFFIC ISLAND REMOVED	CURB REMOVED
								SY	SF	SY	FT
MILLER, WEST OF BRIDGE											
	64+19.00	66+47.61	RT	228.61	14.00	3200.54		355.62			228.61
	66+47.61	67+00.98	RT	53.37	20.00	1067.40		118.60			53.37
	67+00.98	71+42.48	RT	441.50	26.50	11699.75		1299.97			441.50
	68+62.19	71+72.44	RT	310.25	5.60	1737.40			1737.40		
	71+42.48	71+49.19	RT	6.71	13.25	88.91		9.88			6.71
	64+19.00	68+72.27	LT	453.27	6.00	2719.62			2719.62		
	64+19.00	71+38.95	LT	719.95	14.00	10079.30		1119.92			719.95
	69+41.96	71+62.39	LT	220.43	6.00		1201.08		1201.08		
	71+38.95	71+42.48	LT	3.53	7.00	24.71		2.75			3.53
MILLER, EAST OF BRIDGE											
	74+64.69	83+46.97	RT	882.28	5.50		5333.66		5333.66		
	74+81.17	74+87.58	RT	6.41	13.30	85.25		9.47			6.41
	74+87.58	80+69.36	RT	581.78	26.60	15475.35		1719.48			581.78
	80+69.36	83+17.84	RT	248.48	31.20		7084.55	787.17			394.67
	83+17.84	84+53.76	RT	135.92	35.80		4082.02	453.56			82.93
	83+93.53	84+53.76	RT	60.23	5.50		348.98		348.98		
	74+53.20	75+21.59	LT	68.39	5.50		419.80		419.80		
	74+77.77	74+81.17	LT	3.40	7.25	24.65		2.74			3.40
	74+81.17	75+07.53	LT	26.36	14.50	382.22		42.47			26.36
	75+07.53	75+95.56	LT	88.03	14.95	1316.05		146.23			88.03
	75+63.97	84+53.76	LT	889.79	5.50	4893.85			4893.85		
	75+95.56	76+36.45	LT	40.89	29.00	1185.81		131.76			40.89
	76+36.45	80+90.25	LT	453.80	27.25	12366.05		1374.01			453.80
	80+90.25	83+07.70	LT	217.45	31.30		6154.16	683.80			351.22
	81+75.37	83+18.54	LT	143.17							317.00
	83+07.70	84+53.76	LT	146.06	35.30		5754.12	639.35			66.77
	84+04.56	84+53.76	LT	49.20			308.85			34.32	
RAMP B-1											
	0+14.00	0+69.85	RT	55.85	20.35		1136.34	126.26			61.91
	0+69.85	2+00.00	RT	130.15	7.19		935.92	103.99			
	2+00.00	10+03.31	RT	803.31	6.38		5128.38	569.82			
	10+03.31	12+78.00	RT	274.69	12.47		3425.32	380.59			
	0+14.00	0+65.44	LT	51.44	28.40		1461.01	162.33			49.46
RAMP B-2											
	7+89.58	9+33.47	LT/RT	143.89	27.78		3996.72	444.08			
	9+33.47	10+00.28	LT/RT	66.81	32.49		2170.93	241.21			
	10+00.28	14+64.88	LT/RT	464.60	35.42		16454.79	1828.31			
	14+68.36	15+24.57	RT	56.21			1543.31	171.48			120.35
	14+64.88	15+24.57	LT	59.69			1861.34	206.82			66.60
SOUTHPOINTE											
	18+63.83	19+45.70	RT	81.87	5.50		404.01		404.01		
							1847.53	205.28			
	18+58.75	19+17.35	LT	58.60	5.50		290.80		290.80		
							2824.77	313.86			
I.R. 77											
	18+00.00	20+03.00	LT	203.00	9.50	1928.50		214.28			
	20+03.00	22+11.00	LT	208.00	6.00	1248.00		138.67			
	22+11.00	23+53.00	LT	142.00	8.00	1136.00		126.22			
	29+67.61	38+00.00	RT	832.39	12.00		10110.75	1123.42			
	43+94.19	44+39.27	LT	45.08			392.46	43.61			
	43+54.48	43+96.02	RT	41.54			313.77	34.86			
TOTALS								15331.85	17349.20	34.32	4165.25

CALCULATED BY: COM 12/10/21

CHECKED BY: ESM 12/20/21