

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					3098	3128	16	737	4173	599	495
I.R. 77 RIGHT					2337					464	379
PAVEMENT REMOVED	14398	17349	34	4165							
TOTAL	14398	17349	34	4165	28943	15355	42	737	4173	1063	4833

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, (449), (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 7/8")	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								4090		4031	1272		
MILLER, EAST OF BRIDGE								7771		11139	1633		288
SOUTHPOINTE								1385		787	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	588	417	60	470	325	284	126					108	
I.R. 77 RIGHT	242			133	92	107							
PAVEMENT REMOVED													
SUBTOTAL	830	417	130	603	417	391	126	13206	8972	15957	3793	108	288
TOTAL	1247		130	603	417	517		13206	8972	15957	3793	108	288

PAVEMENT CALCULATIONS FOR MILLER RD. WEST OF BRIDGE

STATION TO STATION		SIDE	LENGTH L (FT)	AVERAGE WIDTH W (FT)	SURFACE AREA A = LxW (SF)	CADD GENERATED AREA (SF)	204	204	304	451	608	609
							SUBGRADE COMPACTION	GEOTEXTILE FABRIC	6" AGGREGATE BASE	11" REINFORCED CONCRETE PAVEMENT, CLASS QC 1P WITH QC/QA	4" CONCRETE WALK, AS PER PLAN	CURB, TYPE 2-A
							SY	SY	CY	SY	SF	FT
MILLER, WEST OF BRIDGE			FT	FT	SF	SF						
64+19.00	66+50.00	RT	231.00	14.50	3349.50				372.17			231.00
64+19.00	66+50.00	RT	231.00	15.67	3619.00			67.02				
64+19.00	66+50.00	RT	231.00	15.50	3580.50	397.83						
66+50.00	67+00.00	RT	50.00	20.50	1025.00				113.89			51.00
66+50.00	67+00.00	RT	50.00	21.67	1083.33			20.06				
66+50.00	67+00.00	RT	50.00	21.50	1075.00	119.44						
67+00.00	70+08.71	RT	308.71	26.50	8180.82				908.98			308.71
67+00.00	70+08.71	RT	308.71	27.67	8540.98			158.17				
67+00.00	70+08.71	RT	308.71	27.50	8489.53	943.28						
70+08.71	70+85.47	RT	76.76	26.50	2034.14				226.02			
70+08.71	70+85.47	RT	76.76	26.50	2034.14			37.67				
70+08.71	70+85.47	RT	76.76	26.50	2034.14	226.02						
70+85.47	71+46.54	RT	62.50	26.75		1704.70			189.41			62.50
70+85.47	71+46.54	RT	62.50	28.00	1750.00			32.41				
70+85.47	71+46.54	RT	62.50	27.75	1734.38	192.71						
70+85.47	71+46.54	RT	62.50	27.75	1734.38	192.71						
64+19.00	64+70.00	LT	51.00									51.00
64+19.00	64+70.00	LT	51.00	6.00	306.00					306.00		
64+19.00	64+70.00	LT	51.00	14.50	739.50				82.17			
64+19.00	64+70.00	LT	51.00	14.50	739.50			13.69				
64+19.00	64+70.00	LT	51.00	15.50	790.50	87.83						
64+70.00	69+69.42	LT	499.42									499.42
64+70.00	69+69.42	LT	499.42	6.00	2996.52					2924.52		
64+70.00	69+69.42	LT	499.42	26.46		13216.54			1468.50			
64+70.00	69+69.42	LT	499.42	27.63	13799.20			255.54				
64+70.00	69+69.42	LT	499.42	27.46	13715.96	1524.00						
69+69.42	70+78.47	LT	109.05	38.50	4198.43				466.49			
69+69.42	70+78.47	LT	109.05	38.50	4198.43			77.75				
69+69.42	70+78.47	LT	109.05	38.50	4198.43	466.49						
70+78.47	71+46.54	LT	68.07	6.00		455.53				455.53		
70+78.47	71+46.54	LT	68.07	34.63		2357.39			261.93			68.07
70+78.47	71+46.54	LT	68.07	35.80	2436.81			45.13				
70+78.47	71+46.54	LT	68.07	35.63	2425.46	269.50						
64+19.00	71+46.54	LT/RT	727.54		36806.01			4089.56				
71+46.54	71+66.54	LT/RT	20.00	82.00	1640.00		182.22	182.22	30.37			
<b>TOTALS</b>							<b>4409.32</b>	<b>4271.78</b>	<b>737.80</b>	<b>4089.56</b>	<b>4030.79</b>	<b>1271.70</b>

CALCULATED BY: COM 12/10/21

CHECKED BY: ESM 12/20/21

CUY-77-00.42 PART 1

PID# 104983

PAVEMENT CALCULATIONS FOR MILLER RD. EAST OF BRIDGE

STATION TO STATION		SIDE	LENGTH L (FT)	AVERAGE WIDTH W (FT)	SURFACE AREA A = LxW (SF)	CADD GENERATED AREA (SF)	204	204	304	451	608	609
							SUBGRADE COMPACTION	GEOTEXTILE FABRIC	6" AGGREGATE BASE	11" REINFORCED CONCRETE PAVEMENT, CLASS QC 1P WITH QC/QA	4" CONCRETE WALK, AS PER PLAN	CURB, TYPE 2-A
							SY	SY	CY	SY	SF	FT
MILLER, EAST OF BRIDGE			FT	FT	SF	SF						
74+57.52	74+77.52		20	82.50	1650.00		183.33	183.33	30.56			
74+77.52	75+16.13	RT	38.61	26.50	935.77				103.97			38.61
				27.67	1068.21				19.78			
				27.50	1061.77		117.97					
74+77.52	75+18.75	RT	41.23	5.00	201.02						201.02	
75+16.13	75+95.90	RT	79.77	26.50	2113.90				234.88			
			79.77	26.50	2113.90				39.15			
			79.77	26.50	2113.90		234.88					
75+83.47	76+89.10	RT	105.63	5.50	583.82						583.82	
75+95.90	76+88.82	RT	92.92	26.50	2585.45				287.27			92.92
			92.92	26.50	2462.38				45.60			
			92.92	26.50	2462.38		273.60					
76+88.82	77+55.00	RT	66.18	26.50	1825.08						202.79	66.18
			66.18	27.67	1830.98				33.91			
			66.18	27.50	1819.95		202.22					
76+89.10	80+70.50	RT	381.4	5.50	2097.70						2097.70	
77+55.00	80+70.50	RT	315.5	26.50	8360.75				928.97			315.50
				27.67	8728.83				161.65			
				27.50	8676.25		964.03					
80+70.50	82+06.40	RT	135.9	5.50	747.45						747.45	
80+70.50	82+71.44	RT	200.94	30.05	6038.81				670.98			200.94
			200.94	31.22	6273.24				116.17			
			200.94	31.05	6239.75		693.31					
82+06.40	83+35.64	RT	129.24	5.50	882.97						882.97	
82+71.44	82+94.60	RT	23.16	35.17	814.65				90.52			23.16
				36.34	826.23				15.30			
				36.17	849.39		94.38					
82+94.60	84+40.00	RT	145.4	35.50	5161.70						573.52	
				35.50	5161.70				95.59			
				35.50	5161.70		573.52					
83+95.25	84+53.76	RT	58.51	5.50	465.24						465.24	
84+40.00	84+53.76	RT	13.76	27.53	378.78				42.09			13.76
				28.69	392.54				7.27			
				28.53	399.42		44.38					
84+53.76	87+30.50				1014.00							
					1014.00				43.81			
74+77.52	75+17.67	LT	40.15	38.00	1705.13				189.46			40.15
				38.50	1725.20				31.95			
74+81.17	75+16.13	LT	34.96	6.00	510.63						510.63	
75+17.67	75+95.00	LT	77.33	38.00	2938.54				326.50			
				38.00	2938.54				54.42			
				38.00	2938.54		326.50					
75+76.83	76+52.26	LT	75.43	6.00	574.02						574.02	
75+95.00	77+55.00	LT	160		1578.56							
					1578.56				68.21			
75+95.00	76+12.24	LT	17.24		471.35				52.37			
					471.35				8.73			
					471.35		52.37					
76+12.24	76+52.27	LT	40.03	37.86	1515.73				168.41			40.03
				39.03	1535.75				28.44			

CUY-77-00.42 PART 1

PID# 104983

PAVEMENT CALCULATIONS FOR MILLER RD. EAST OF BRIDGE

STATION TO STATION	SIDE	LENGTH L (FT)	AVERAGE WIDTH W (FT)	SURFACE AREA A=LxW (SF)	CADD GENERATED AREA (SF)	204	204	304	451	608	609
						SUBGRADE COMPACTION	GEOTEXTILE FABRIC	6" AGGREGATE BASE	11" REINFORCED CONCRETE PAVEMENT, CLASS QC 1P WITH QC/QA	4" CONCRETE WALK, AS PER PLAN	CURB, TYPE 2-A
						SY	SY	CY	SY	SF	FT
			40.36		1575.78	175.09					
76+52.26	80+95.02	LT	442.76	7.50	3320.70					3320.70	
76+52.27	77+55.00	LT	102.73	38.56	3961.27				440.14		102.73
			39.73		4012.64			74.31			
			41.06		4115.37	457.26					
77+55.00	80+95.00	LT	340	49.50	16830.00				1870.00		340.00
			50.67		17226.67			319.01			
			50.50		17170.00	1907.78					
80+95.00	82+83.47	LT	188.47	5.00	942.35					942.35	
80+95.00	82+82.98	LT	187.98	43.79	8230.80				914.53		187.98
			44.95		8324.79			154.16			
			44.79		8512.77	945.86					
82+82.98	82+94.60	LT	11.62	38.05	442.19				49.13		11.62
			39.22		448.00			8.30			
			39.05		459.62	51.07					
82+83.47	83+28.02	LT	44.55	5.00	403.02					403.02	
82+94.60	84+40.00	LT	145.4	35.00	5089.00				565.44		145.40
			35.00		5089.00			94.24			
			35.00		5089.00	565.44					
84+07.16	84+53.76	LT	46.6	5.00	409.97					409.97	
84+40.00	84+53.76	LT	13.76	39.52	543.78				60.42		13.76
			39.52		557.54			10.32			
			39.52		585.06	65.01					
74+77.52	83+00.00	LT/RT	822.48	87.50	69942.68		7771.41				
<b>TOTALS</b>						<b>7928.00</b>	<b>7954.74</b>	<b>1460.87</b>	<b>7771.41</b>	<b>11138.89</b>	<b>1632.74</b>

CALCULATED BY: COM 12/10/21

CHECKED BY: ESM 12/20/21

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 (0.08% 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	48.00	9744.00					1082.67				59.55	92.03	97.74		45.11	52.63	
				12.00	2436.00				270.67					14.89	23.01	11.28		11.28		
				12.00	2436.00															14.10
				9.41		1910.77								23.35				8.85	10.32	
				9.75	1978.44					45.80										
				10.25	2079.94							38.52								
				10.91	2215.27															
				4.00	812.00			2.03												
20+03.00	21+11.00	LT	108.00	48.00	5184.00					576.00				31.68	48.96	52.00	7.52	24.00	28.00	108.00
				12.00	1296.00					144.00				7.92	12.24	6.00		6.00		
				12.00	1296.00															7.50
				3.87		418.02								5.11				1.94	2.26	
				4.20	454.02					10.51										
				4.70	508.02							9.41								
				5.37	580.02															
				12.00	1296.00															7.50
21+11.00	21+73.00	LT	62.00	48.00	2976.00					330.67				18.19	28.11	29.85		13.78	16.07	
				12.00	744.00					82.67				4.55	7.03	3.44		3.44		
				12.00	744.00															4.31
				7.00		434.00								5.30				2.01	2.34	
				7.33	454.67					10.52										
				7.83	485.67							8.99								
				8.50	527.00															4.31
				12.00	744.00															
				4.00	248.00			0.62									2.30			
21+73.00	23+53.00	LT	180.00	48.00	8640.00					960.00				52.80	81.60	86.67		40.00	46.67	
				12.00	2160.00					240.00				13.20	20.40	10.00		10.00		
				12.00	2160.00															12.50
				9.17		1650.00								20.17				7.64	8.91	
				9.50	1710.00						39.58									
				10.00	1800.00							33.33								
				10.67	1920.00															12.50
				12.00	2160.00															
				4.00	720.00			1.80										6.67		
23+53.00	25+45.02	LT	192.02	8.00	1536.16									18.78				7.11	8.30	
				8.33	1600.17						37.04									
				8.83	1696.18							31.41								
				9.50	1824.19															
				12.00	2304.24									14.08	21.76	10.67		10.67		13.33
				4.00	768.08			1.92												
25+45.02	31+95.02	LT	650.00	6.34	4118.06						95.33	76.26		50.33	41.31			19.07	22.24	
				8.00	5200.00									63.56				24.07	28.09	
				8.33	5416.67						125.39									
				8.83	5741.67							106.33								
				9.50	6175.00															
				12.00	7800.00															45.14
25+45.02	35+23.87	LT	978.85	4.00	3915.40					866.67				47.67	73.67	36.11		36.11		
31+95.02	32+45.83	LT	50.81	7.00	3525.50	1039.50								12.71				4.81	5.61	
				7.33	372.61						8.63									
				7.83	398.01							7.37								

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 (0.055 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
			8.50	431.89		47.89														
			13.00	660.53		73.39					15.29	12.23	8.07		6.63		3.06	3.57		
			12.00	609.72					67.75				3.73	5.76	2.82		2.82		3.53	
32+45.83	32+71.09	LT	25.26	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		21.05														
			12.75	322.07		35.79				7.46	5.96	3.94		3.23			1.49	1.74		
32+71.09	34+16.19	LT	145.10	23.49	3408.00	378.67				78.89	63.11	41.65		34.19			15.78	18.41		
			6.00	870.60									10.64				4.03	4.70		
			6.33	918.97						21.27										
			6.83	991.52							18.36									
			7.50	1088.25																
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		89.73														
18+26.00	21+75.00	LT	349.00	80.67	28163.83		3128.20													
<b>TOTALS</b>						<b>3097.87</b>	<b>3128.20</b>	<b>16.16</b>	<b>737.33</b>	<b>4173.45</b>	<b>598.83</b>	<b>495.03</b>	<b>587.61</b>	<b>417.42</b>	<b>469.58</b>	<b>59.85</b>	<b>324.89</b>	<b>283.69</b>	<b>126.46</b>	<b>108.00</b>

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