

SHEET NO.	204*	206	206	206	206	254	302	304	304	407	442	442	442	452	609	609	CALCULATED BY	CHECKED NRB		
																			PROOF ROLLING (1 HOUR/2000 SY)	MIXTURE DESIGN FOR CHEMICALLY STABILIZED SOILS
	HOUR	LS	TON	SY	SY	SY	CY	CY	CY	GAL	CY	CY	CY	SY	FT	FT				
2	17		982	32506	32506		6138		5403		3470		1279	1532	2811			4571		
3	6		355	11733	11733		2225		1942		1256		475	554	1029			780		
4	19		1093	36182	36182		7036		6031		3981		1508	1759	3267					
5	5		256	8450	8450		1490		1396		840		316	370	686			3738		
6	5		253	8356	8356	62	1531		1389		872		331	383	710			2625		
7	5		280	9248	9248		1716		1530		969		366	427	793			1666		
8	3		124	4085	4085		725		679		410		153	181	334			1973		
9	4		198	6545	6545		79		1052		44		17	20	36				729	
10	2		76	2499	2499				406									2235	977	
11	3		157	5183	5183	1637	905		843		688		257	222	410			161	400	
12	2		113	3742	3742	851	699		612		487		183	173	320				37	
13	3		171	5658	5658		1023		913		573		214	251	464				33	
14	4		200	6621	6621		1213		1079		682		255	299	554				263	
15	2		63	2067	2067	2388	378		335		475		180	93	173				51	
16	2		99	3279	3279		543		535		305		115	134	249				48	
23													-101						310	
24							147		142		81			35	35					
25	-2		-64	-2111	-2111			25												
<b>TOTALS CARRIED TO THE GENERAL SUMMARY</b>	<b>80</b>	<b>LS</b>	<b>4356</b>	<b>144043</b>	<b>144043</b>	<b>4938</b>	<b>25848</b>	<b>24312</b>		<b>15133</b>		<b>5548</b>	<b>6433</b>	<b>11871</b>		<b>8366</b>		<b>16185</b>	<b>2384</b>	
SHEET NO.	209		408		441	601	609	617	617	617	618*		622	622	622	622	622	622	622	622
	RESHAPING UNDER GUARDRAIL, AS PER PLAN		PRIME COAT, AS PER PLAN (0.4 GAL/SY)		3" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, (449), (UNDER GUARDRAIL), AS PER PLAN	CONCRETE SLOPE PROTECTION	4" CONCRETE TRAFFIC ISLAND	WATER (A*0.500)/1000	COMPACTED AGGREGATE, AS PER PLAN (T=2')	SHOULDER PREPARATION	RUMBLE STRIPS, SHOULDER (ASPHALT CONCRETE), AS PER PLAN		CONCRETE BARRIER, SINGLE SLOPE, TYPE B1	CONCRETE BARRIER, SINGLE SLOPE, TYPE C1	CONCRETE BARRIER, SINGLE SLOPE, TYPE C1, AS PER PLAN	CONCRETE BARRIER END SECTION, TYPE B1	CONCRETE BARRIER, END ANCHORAGE, REINFORCED, TYPE B1	CONCRETE BARRIER, END ANCHORAGE, REINFORCED, TYPE C1	CONCRETE BARRIER, END ANCHORAGE, REINFORCED, TYPE C1, AS PER PLAN	BARRIER TRANSITION
	STA		GAL		CY	SY	SY	MGAL	CY	SY	MILE		FT	FT	FT	EACH	EACH	EACH	EACH	EACH
17	58				278															
18	42				194															
19	33				152															
20	12				55															
21			749					6	104	1873										
22			607					5	102	1872										
23											5.58									
24						1457						720	4910	30	1	6	61	8	1	
25							218													
<b>TOTALS CARRIED TO THE GENERAL SUMMARY</b>	<b>145</b>		<b>1356</b>		<b>679</b>	<b>1457</b>	<b>218</b>	<b>11</b>	<b>206</b>	<b>3745</b>	<b>5.58</b>	<b>720</b>	<b>4910</b>	<b>30</b>	<b>1</b>	<b>6</b>	<b>61</b>	<b>8</b>	<b>1</b>	

**PAVEMENT SUBSUMMARY**

**CUY-490-0.00**

STATION		SIDE	LENGTH (L) FT	AVERAGE WIDTH (W) FT	CURVE CORRECTION RATIO	EDGE EXT. CURVE CORRECTION RATIO	SURFACE AREA (A=LxW) SF	CADD AREA SF	AREA FOR 4" EXTENSION SF	AREA FOR 6" EXTENSION SF	AREA FOR 7" EXTENSION SF	AREA FOR 12" EXTENSION SF	AREA FOR 18" EXTENSION SF	AREA FOR 20" EXTENSION SF	302	304	407	442	442	442	609	204	206	206	206							
FROM	TO														7" ASPHALT CONCRETE BASE, PG64-22 (448) CY	6" AGGREGATE BASE CY	NON-TRACKING TACK COAT (0.055 GALS/SY - 2 APPLICATIONS) GAL	ASPHALT CONCRETE SURFACE COURSE 12.5 MM TYPE A (447), AS PER PLAN, PG76-22M CY	1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, 12.5 MM, TYPE A (448) CY	ANTI-SEGREGATION EQUIPMENT CY	CURB, TYPE 4-C FT	PROOF ROLLING (1 HOUR/2000 SY) HOUR	CEMENT (0.75 X T X 115 X 0.05) LBS/SY TON	CURING COAT SY	CEMENT STABILIZED SUBGRADE, 14" DEEP SY							
<b>WESTBOUND I-490 CL</b>																																
<b>FULL DEPTH LANES</b>																																
933+23.03	939+72.56	LT	649.53	24.00		15588.72									336.79	288.68	190.53	72.17	84.20	156.37												
939+72.56	941+22.99	LT	150.43	24.00		3610.32									78.00	66.86	44.13	16.71	19.50	36.21												
941+22.99	952+52.46	LT	1129.47	24.00	0.9949	26969.03									582.66	499.43	329.62	124.86	145.67	270.53												
952+52.46	954+92.35	LT	239.89	24.00		5757.36									124.39	106.62	70.37	26.65	31.10	57.75												
954+92.35	961+56.74	LT	664.39	24.00		15945.36									344.50	295.28	194.89	73.82	86.12	159.94												
961+56.74	962+17.51	LT	60.77	24.00		1458.48									31.51	27.01	17.83	6.75	7.88	14.63												
962+17.51	964+68.90	LT	251.39	24.00	1.0061	6070.16									131.15	112.41	74.19	28.10	32.79	60.89												
964+68.90	967+84.10	LT	315.20	48.00	1.0092	15268.79									329.88	282.76	186.62	70.69	82.47	153.16												
967+84.10	970+84.57	LT	300.47	48.00		14422.56									311.60	267.08	176.28	66.77	77.90	144.67												
970+84.57	975+78.77	LT	494.20	48.00		23721.60									512.50	439.29	289.93	109.82	128.13	237.95												
975+78.77	979+78.58	LT	399.81	48.00	0.9944	19083.41									412.30	353.40	233.24	88.35	103.07	191.42												
979+78.58	983+54.13	LT	375.55	48.00	0.9888	17824.50									385.10	330.08	217.86	82.52	96.27	178.79												
983+54.13	985+50.00	LT	195.87	48.00	0.9944	9349.11									201.99	173.13	114.27	43.28	50.50	93.78												
985+50.00	985+65.28	CADD							706.84							15.27	13.09	8.64	3.27	3.82	7.09											
985+65.28	1020+43.75	SUSPEND AND RESUME EXISTING BRIDGE TO REMAIN																														
1020+43.75	1020+61.30	CADD							211.60							4.57	3.92	2.59	0.98	1.14	2.12											
1020+61.30	1022+51.23	LT	189.93	24.00	1.0029	4571.54									98.77	84.66	55.87	21.16	24.69	45.85												
1022+51.23	1023+49.97	STATION EQUATION																														
1023+49.97	1030+87.13	LT	737.16	24.00	1.0029	17743.15									383.34	328.58	216.86	82.14	95.83	177.97												
1030+87.13	1032+73.90	LT	186.77	24.00		4482.48									96.84	83.01	54.79	20.75	24.21	44.96												
1032+73.90	1035+00.00	LT	226.10	24.00		5426.40									117.24	100.49	66.32	25.12	29.31	54.43												
<b>FULL DEPTH SHOULDER</b>																																
933+23.03	933+71.18	LT/OUT	48.15	10.97		527.96									11.41	11.11	6.45	2.44	2.85	5.29												
933+71.18	939+72.56	LT/OUT	601.38	10.00		6013.80									129.93	128.07	73.50	27.84	32.48	60.32												
939+72.56	941+22.99	LT/OUT	150.43	10.00		1504.30									32.50	32.04	18.39	6.96	8.13	15.09												
941+22.99	952+52.46	LT/OUT	1129.47	10.00	0.9905	11187.40									241.70	238.21	136.73	51.79	60.43	112.22												
952+52.46	954+92.35	LT/OUT	239.89	10.00		2398.90									51.83	51.09	29.32	11.11	12.96	24.07												
954+92.35	958+62.77	LT/OUT	370.42	10.00		3704.20									80.03	78.89	45.27	17.15	20.01	37.16												
964+68.90	967+84.10	LT/OUT	315.20	10.00	1.0166	3204.32									69.23	68.25	39.16	14.83	17.31	32.14												
967+84.10	970+84.57	LT/OUT	300.47	10.00		3004.70									64.92	63.99	36.72	13.91	16.23	30.14												
970+84.57	975+78.77	LT/OUT	494.20	10.00		4942.00									106.77	105.25	60.40	22.88	26.69	49.57												
975+78.77	979+78.58	LT/OUT	399.81	10.00	0.9893	3955.32									85.45	84.22	48.34	18.31	21.36	39.67												
979+78.58	981+53.10	LT/OUT	174.52	10.00	0.9770	1705.06									36.84	36.31	20.84	7.89	9.21	17.10												
981+53.10	982+03.26	LT/OUT	50.16	10.00	0.9787	490.92		16.34	24.50	28.59					13.25	11.89	7.40	2.27	3.23	5.50												
982+03.26	983+54.13	LT/OUT	150.87	10.00	0.9787	1476.56									31.90	31.44	18.05	6.84	7.98	14.82												
983+54.13	985+50.00	LT/OUT	195.87	10.00	0.9893	1937.74									41.86	41.26	23.68	8.97	10.47	19.44												
985+50.00	985+64.31	CADD							140.82							3.04	3.00	1.72	0.65	0.76	1.41											
985+64.31	1020+36.48	SUSPEND AND RESUME EXISTING BRIDGE TO REMAIN																														
1020+36.48	1020+43.75	CADD							36.56							0.84	0.80	0.46	0.17	0.20	0.37											
1020+43.75	1022+51.23	LT/OUT	207.48	10.00	1.0054	2086.04									69.58	69.58	42.17	12.77	313.12	46.57												
1022+51.23	1023+49.97	STATION EQUATION																														
1023+49.97	1030+87.13	LT/OUT	737.16	10.00	1.0054	7411.41									165.46	149.84	92.09	8.97	40.03	49.00												
1030+87.13	1032+73.90	LT/OUT	186.77	10.00		1867.70									41.70	37.76	23.21	0.00	10.09	10.09												
1032+73.90	1035+00.00	LT/OUT	226.10	10.00		2261.00									50.48	45.71	28.10	10.47	12.21	22.68												
933+23.03	939+72.56	LT/IN	649.53	8.00		5196.24									112.26	96.23	63.51	24.06	28.07	52.13												
939+72.56	941+22.99	LT/IN	150.43	8.00		1203.44									26.00	22.29	14.71	5.57	6.50	12.07												
941+22.99	952+52.46	LT/IN	1129.47	8.00	0.9990	9026.72									195.02	167.16	110.33	41.79	48.76	90.55												
<b>TOTALS CARRIED TO PAVEMENT SUBSUMMARY</b>															<b>6138</b>	<b>5403</b>		<b>3470</b>	<b>1279</b>	<b>1532</b>	<b>2811</b>		<b>4571</b>						<b>17</b>	<b>982</b>	<b>32506</b>	<b>32506</b>

CALCULATED BY: \_\_\_\_\_  
 CHECKED BY: \_\_\_\_\_  
**PAVEMENT CALCULATIONS**  
**CUY-490-0.00**  
2/25

STATION		SIDE	LENGTH (L) FT	AVERAGE WIDTH (W) FT	CURVE CORRECTION RATIO	EDGE EXT. CURVE CORRECTION RATIO	SURFACE AREA (A=LxW) SF	CADD AREA SF	AREA FOR 4" EXTENSION SF	AREA FOR 6" EXTENSION SF	AREA FOR 7" EXTENSION SF	AREA FOR 12" EXTENSION SF	AREA FOR 18" EXTENSION SF	AREA FOR 20" EXTENSION SF	302	304	407	442	442	442	609	204	206	206	206													
FROM	TO														7" ASPHALT CONCRETE BASE, PG64-22 (448) CY	6" AGGREGATE BASE CY	NON-TRACKING TACK COAT (0.055 GAL/SY - 2 APPLICATIONS) GAL	ASPHALT CONCRETE SURFACE COURSE 12.5 MM TYPE A (447), AS PER PLAN, PG76-22M CY	1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, 12.5 MM, TYPE A (448) CY	ANTI-SEGREGATION EQUIPMENT CY	CURB, TYPE 4-C FT	PROOF ROLLING (1 HOUR/2000 SY) HOUR	CEMENT (0.75 X T X 115 X 0.09) LBSY TON	CURING COAT SY	CEMENT STABILIZED SUBGRADE, 14" DEEP SY													
<b>WESTBOUND I-490 CL CONTD.</b>																																						
<b>FULL DEPTH SHOULDER</b>																																						
952+52.46	953+05.64	LT/IN	53.18	8.00		425.44									9.19	7.88	5.20	1.97	2.30	4.27																		
953+05.64	954+92.35	LT/IN	186.71	8.00		1493.68									32.27	27.66	18.26	6.92	8.07	14.99																		
954+92.35	955+90.00	LT/IN	97.65	8.00		781.20									16.88	14.47	9.55	3.62	4.22	7.84																		
955+90.00	958+50.00	LT/IN	260.00	10.00		2600.00									56.17	48.15	31.78	12.04	14.04	26.08																		
958+50.00	961+56.74	LT/IN	306.74	12.00		3680.88									79.53	68.16	44.99	17.04	19.88	36.92																		
961+56.74	962+17.51	LT/IN	60.77	12.00		729.24									15.76	13.50	8.91	3.38	3.94	7.32																		
962+17.51	967+84.10	LT/IN	566.59	12.00	1.0015	6809.28									147.11	126.10	83.22	31.52	36.78	68.30																		
967+84.10	970+84.57	LT/IN	300.47	12.00		3605.64									77.90	66.77	44.07	16.69	19.47	36.16																		
970+84.57	975+78.77	LT/IN	494.20	12.00		5930.40									128.13	109.82	72.48	27.46	32.03	59.49																		
975+78.77	976+00.00	LT/IN	21.23	12.00	0.9990	254.51									5.50	4.71	3.11	1.18	1.37	2.55																		
976+00.00	978+60.00	LT/IN	260.00	10.00	0.9991	2597.66									56.12	48.10	31.75	12.03	14.03	26.06																		
978+60.00	979+78.58	LT/IN	118.58	8.00	0.9993	947.98									20.48	17.56	11.59	4.39	5.12	9.51																		
979+78.58	983+54.13	LT/IN	375.55	8.00	0.9986	3000.19									64.82	55.56	36.67	13.89	16.20	30.09																		
983+54.13	985+50.00	LT/IN	195.87	8.00	0.9993	1565.86									33.83	29.00	19.14	7.25	8.46	15.71																		
985+50.00	985+65.38	CADD						122.76								2.65	2.27	1.50	0.57	0.66	1.23																	
985+65.38	1020+61.30	SUSPEND AND RESUME EXISTING BRIDGE TO REMAIN																																				
1020+61.30	1020+67.18	CADD						23.57								0.51	0.44	0.29	0.11	0.13	0.24																	
1020+67.18	1022+51.23	LT/IN	184.05	8.00		1472.37									31.81	27.27	18.00	6.82	7.95	14.77																		
1022+51.23	1023+49.97	STATION EQUATION																																				
1023+49.97	1030+87.13	LT/IN	737.16	8.00	1.0018	5907.90									127.64	109.41	72.21	27.35	31.91	59.26																		
1030+87.13	1032+73.90	LT/IN	186.77	8.00	1.0018	1496.85									32.34	27.72	18.29	6.93	8.08	15.01																		
1032+73.90	1035+00.00	LT/IN	226.10	8.00		1808.80									39.08	33.50	22.11	8.37	9.77	18.14																		
<b>WESTBOUND I-490 BL</b>																																						
<b>FULL DEPTH LANES</b>																																						
3035+00.00	3043+00.00	LT	800.00	24.00		19200.00									414.81	355.56	234.67	88.89	103.70	192.59																		
3043+00.00	3045+17.89	LT	217.89	24.00	1.0009	5234.07									113.08	96.93	63.97	24.23	28.27	52.50																		
3045+17.89	3047+18.60	LT	200.71	24.00		4817.04									104.07	89.20	58.87	22.30	26.02	48.32																		
3047+18.60	3049+75.86	LT	257.26	24.00	1.0022	6187.82									133.69	114.59	75.63	28.65	33.42	62.07																		
<b>FULL DEPTH SHOULDER</b>																																						
3035+00.00	3043+00.00	RT/IN	800.00	6.59		5275.20									113.97	97.69	64.47	24.42	28.49	52.91																		
3043+00.00	3045+05.00	RT/IN	205.00	6.59	0.9998	1351.50									29.20	25.03	16.52	6.26	7.30	13.56																		
3045+05.00	3045+17.89	RT/IN	12.89	6.59	0.9998	84.98							19.33		1.84	1.93	1.04	0.39	0.46	0.85	12.88																	
3045+17.89	3045+54.06	RT/IN	36.17	6.59		238.50									54.25	5.42	2.92	1.10	1.29	2.39																		
3045+54.06	3046+00.00	RT/IN	45.94	4.30		197.31									68.91	4.93	2.41	1.07	1.98	45.94																		
3046+00.00	3047+18.60	RT/IN	118.60	2.00		237.20									5.12	7.69	2.90	1.10	1.28	2.38	118.60																	
3047+18.60	3049+00.00	RT/IN	181.40	2.00	1.0002	362.87									7.84	11.76	4.44	1.68	1.96	3.64	181.45																	
3049+00.00	3049+50.00	RT/IN	50.00	1.00	1.0001	50.01									1.08	2.32	0.61	0.23	0.27	0.50	50.01																	
3049+50.00	3049+75.86	RT/IN	25.86	0.00	1.0000	0.00									0.00	0.72	0.00	0.00	0.00	0.00	25.86																	
3035+00.00	3043+00.00	LT/OUT	800.00	10.00		8000.00									178.60	161.73	99.41	37.04	43.21	80.25																		
3043+00.00	3045+17.89	LT/OUT	217.89	10.00	1.0021	2183.48									48.75	44.14	27.13	10.11	11.79	21.90																		
3045+17.89	3047+18.60	LT/OUT	200.71	10.00		2007.10									44.81	40.58	24.94	9.29	10.84	20.13																		
3047+18.60	3047+65.00	LT/OUT	46.40	10.00	0.9949	461.63									10.31	9.33	5.74	2.14	2.49	4.63																		
3047+65.00	3048+33.41	LT/OUT	68.41	10.00	0.9949	680.61									14.70	14.49	8.32	3.15	3.68	6.83	68.01																	
3048+33.41	3048+73.41	LT/OUT	40.00	6.00	0.9953	238.87									5.16	5.53	2.92	1.11	1.29	2.40	39.79																	
3048+73.41	3050+53.76	LT/OUT	180.35	2.00	0.9956	359.11									7.76	11.64	4.39	1.66	1.94	3.60	179.54																	
3050+53.76	3050+62.68	CADD						101.25								2.19	2.45	1.24	0.47	0.55	1.02	20.76																
<b>TOTALS CARRIED TO PAVEMENT SUBSUMMARY</b>															2225	1942		1256	475	554	1029		780												6	355	11733	11733

PAVEMENT CALCULATIONS

CALCULATED BY: \_\_\_\_\_  
CHECKED BY: \_\_\_\_\_

**CUY-490-0.00**

STATION		SIDE	LENGTH (L) FT	AVERAGE WIDTH (W) FT	CURVE CORRECTION RATIO	EDGE EXT. CURVE CORRECTION RATIO	SURFACE AREA (A=LxW) SF	CADD AREA SF	AREA FOR 4" EXTENSION SF	AREA FOR 6" EXTENSION SF	AREA FOR 7" EXTENSION SF	AREA FOR 12" EXTENSION SF	AREA FOR 18" EXTENSION SF	AREA FOR 20" EXTENSION SF	302	304	407	442	442	442	204	206	206	206				
FROM	TO														7" ASPHALT CONCRETE BASE, PG64-22 (448) CY	6" AGGREGATE BASE CY	NON-TRACKING TACK COAT (0.055 GAL/SY - 2 APPLICATIONS) GAL	ASPHALT CONCRETE SURFACE COURSE 12.5 MM TYPE A (447), AS PER PLAN, PG76-22M CY	1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, 12.5 MM, TYPE A (446) CY	ANTI-SEGREGATION EQUIPMENT CY	PROOF ROLLING (1 HOUR/2000 SY) HOUR	CEMENT (0.75 X T X 115 X 0.09) LBSY TON	CURING COAT SY	CEMENT STABILIZED SUBGRADE, 14" DEEP SY				
<b>EASTBOUND I-490 CL</b>																												
<b>FULL DEPTH LANES</b>																												
933+23.03	934+25.00	RT	101.97	24.00		2447.28									52.87	45.32	29.91	11.33	13.22	24.55								
934+25.00	935+25.00	RT	100.00	30.00		3000.00									64.81	55.56	36.67	13.89	16.20	30.09	0.136	8.21	271.92	271.92				
935+25.00	938+52.62	RT	327.62	36.00		11794.32									254.82	218.41	144.15	54.60	63.70	118.30	0.655	39.56	1310.48	1310.48				
938+52.62	941+22.99	RT	270.37	36.00		9733.32									210.29	180.25	118.96	45.06	52.57	97.63	0.541	32.65	1081.48	1081.48				
941+22.99	952+52.46	RT	1129.47	36.00	1.0077	40974.01									885.24	758.78	500.79	189.69	221.31	411.00	2.276	137.43	4552.67	4552.67				
952+52.46	954+33.37	RT	180.91	36.00		6512.76									140.71	120.61	79.60	30.15	35.18	65.33	0.362	21.84	723.64	723.64				
954+33.37	958+00.00	RT	366.63	36.00		13198.68									285.16	244.42	161.32	61.11	71.29	132.40	0.733	44.27	1466.52	1466.52				
958+00.00	959+17.04	RT	117.04	59.83		7002.50									151.29	129.68	85.59	32.42	37.82	70.24	0.389	23.49	778.06	778.06				
959+17.04	962+17.51	RT	300.47	55.66		16722.66									361.29	309.68	204.39	77.42	90.32	167.74	0.929	56.09	1858.07	1858.07				
962+17.51	964+50.00	RT	232.49	50.33	0.9905	11588.91									250.38	214.61	141.64	53.65	62.59	116.24	0.644	38.87	1287.66	1287.66				
964+50.00	967+84.10	RT	334.10	48.00	0.9908	15889.26									343.29	294.25	194.20	73.56	85.82	159.38	0.883	53.30	1765.47	1765.47				
967+84.10	970+84.57	RT	300.47	48.00		14422.56									311.60	267.08	176.28	66.77	77.90	144.67	0.801	48.38	1602.51	1602.51				
970+84.57	975+78.77	RT	494.20	48.00		23721.60									512.50	439.29	289.93	109.82	128.13	237.95	1.318	79.57	2635.73	2635.73				
975+78.77	979+78.58	RT	399.81	48.00	1.0056	19298.35									416.94	357.38	235.87	89.34	104.23	193.57	1.072	64.73	2144.26	2144.26				
979+78.58	980+59.02	RT	80.44	48.00	1.0112	3904.36									84.35	72.30	47.72	18.08	21.09	39.17	0.217	13.10	433.82	433.82				
980+59.02	983+54.13	RT	295.11	70.04	1.0150	20980.36									453.28	388.53	256.43	97.13	113.32	210.45	1.166	70.37	2331.15	2331.15				
983+54.13	985+50.00	RT	195.87	65.13	1.0071	12848.15									277.58	237.93	157.03	59.48	69.40	128.88	0.714	43.09	1427.57	1427.57				
985+50.00	985+65.60	CADD							989.06							21.37	18.32	12.09	4.58	5.34	9.92	0.055	3.32	109.90	109.90			
985+65.60	1020+73.09	SUSPEND AND RESUME EXISTING BRIDGE TO REMAIN																										
1020+73.09	1020+90.90	CADD							213.51							4.61	3.95	2.61	0.99	1.15	2.14	0.012	0.72	23.72	23.72			
1020+90.90	1022+51.23	RT	160.33	24.00	0.9971	3836.77									82.89	71.05	46.89	17.76	20.72	38.48	0.213	12.87	426.31	426.31				
1022+51.23	1023+49.97	STATION EQUATION																										
1023+49.97	1030+87.13	RT	737.16	24.00	0.9971	17640.53									381.12	326.68	215.61	81.67	95.28	176.95	0.980	59.17	1960.06	1960.06				
1030+87.13	1030+94.06	RT	6.93	24.00	0.9971	165.84									3.58	3.07	2.03	0.77	0.90	1.67	0.009	0.56	18.43	18.43				
1030+94.06	1035+00.00	RT	405.94	24.00		9742.56									210.49	180.42	119.08	45.10	52.62	97.72	0.541	32.68	1082.51	1082.51				
<b>FULL DEPTH SHOULDER</b>																												
933+23.03	937+00.00	RT/IN	376.97	8.00		3015.76									65.16	55.85	36.86	13.96	16.29	30.25	0.168	10.12	335.08	335.08				
937+00.00	938+52.62	RT/IN	152.62	9.18		1400.29									30.25	25.93	17.11	6.48	7.56	14.04	0.078	4.70	155.59	155.59				
938+52.62	939+60.00	RT/IN	107.38	11.18		1199.97									25.93	22.22	14.67	5.56	6.48	12.04	0.067	4.02	133.33	133.33				
939+60.00	941+22.99	RT/IN	162.99	12.00		1955.88									42.26	36.22	23.91	9.06	10.56	19.62	0.109	6.56	217.32	217.32				
941+22.99	952+52.46	RT/IN	1129.47	12.00	1.0015	13573.97									293.26	251.37	165.90	62.84	73.32	136.16	0.754	45.53	1508.22	1508.22				
952+52.46	954+33.37	RT/IN	180.91	12.00		2170.92									46.90	40.20	26.53	10.05	11.73	21.78	0.121	7.28	241.21	241.21				
954+33.37	959+17.04	RT/IN	483.67	12.00		5804.04									125.40	107.48	70.94	26.87	31.35	58.22	0.322	19.47	644.89	644.89				
959+17.04	962+17.51	RT/IN	300.47	12.00		3605.64									77.90	66.77	44.07	16.69	19.47	36.16	0.200	12.09	400.63	400.63				
962+17.51	967+84.10	RT/IN	566.59	12.00	0.9985	6788.88									146.67	125.72	82.98	31.43	36.67	68.10	0.377	22.77	754.32	754.32				
967+84.10	970+84.57	RT/IN	300.47	12.00		3605.64									77.90	66.77	44.07	16.69	19.47	36.16	0.200	12.09	400.63	400.63				
970+84.57	974+89.30	RT/IN	404.73	12.00		4856.76									104.93	89.94	59.36	22.49	26.23	48.72	0.270	16.29	539.64	539.64				
974+89.30	975+78.77	RT/IN	89.47	12.00		1073.64									23.20	19.88	13.12	4.97	5.80	10.77	0.060	3.60	119.29	119.29				
975+78.77	976+00.00	RT/IN	21.23	12.00	1.0010	255.01									5.51	4.72	3.12	1.18	1.38	2.56	0.014	0.86	28.33	28.33				
976+00.00	978+60.00	RT/IN	260.00	10.00	1.0009	2602.34									56.22	48.19	31.81	12.05	14.06	26.11	0.145	8.73	289.15	289.15				
978+60.00	979+78.58	RT/IN	118.58	8.00	1.0007	949.30									20.51	17.58	11.60	4.39	5.13	9.52	0.053	3.18	105.48	105.48				
979+78.58	980+59.02	RT/IN	80.44	8.00	1.0014	644.42									13.92	11.93	7.88	2.98	3.48	6.46	0.036	2.16	71.60	71.60				
980+59.02	983+54.13	RT/IN	295.11	8.00	1.0014	2364.19									51.08	43.78	28.90	10.95	12.77	23.72	0.131	7.93	262.69	262.69				
983+54.13	985+50.00	RT/IN	195.87	8.00	1.0007	1568.06									33.88	29.04	19.17	7.26	8.47	15.73	0.087	5.26	174.23	174.23				
985+50.00	985+65.50	CADD							124.22							2.68	2.30	1.52	0.58	0.67	1.25	0.007	0.42	13.80	13.80			
985+65.50	1020+67.18	SUSPEND AND RESUME EXISTING BRIDGE TO REMAIN																										
1020+67.18	1020+73.09	CADD							23.61							0.51	0.44	0.29	0.11	0.13	0.24	0.001	0.08	2.62	2.62			
1020+73.09	1022+51.23	RT/IN	178.14	8.00		1425.15									30.79	26.39	17.42	6.60	7.70	14.30	0.079	4.78	158.35	158.35				
1022+51.23	1023+49.97	STATION EQUATION																										
<b>TOTALS CARRIED TO PAVEMENT SUBSUMMARY</b>															<b>7036</b>	<b>6031</b>		<b>3981</b>	<b>1508</b>	<b>1759</b>	<b>3267</b>				<b>19</b>	<b>1093</b>	<b>36182</b>	<b>36182</b>

**PAVEMENT CALCULATIONS**

**CUY-490-0.00**

CALCULATED BY: \_\_\_\_\_  
CHECKED BY: \_\_\_\_\_

STATION		SIDE	LENGTH (L) FT	AVERAGE WIDTH (W) FT	CURVE CORRECTION RATIO	EDGE EXT. CURVE CORRECTION RATIO	SURFACE AREA (A=LxW) SF	CADD AREA SF	AREA FOR 4" EXTENSION SF	AREA FOR 6" EXTENSION SF	AREA FOR 7" EXTENSION SF	AREA FOR 12" EXTENSION SF	AREA FOR 18" EXTENSION SF	AREA FOR 20" EXTENSION SF	302	304	407	442	442	442	609	204	206	206	206			
FROM	TO														7" ASPHALT CONCRETE BASE, PG64-22 (448) CY	6" AGGREGATE BASE CY	NON-TRACKING TACK COAT (0.055 GAL/SY - 2 APPLICATIONS) GAL	ASPHALT CONCRETE SURFACE COURSE 12.5 MM, TYPE A (447), AS PER PLAN, PG76-22M CY	1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, 12.5 MM, TYPE A (448) CY	ANTI-SEGREGATION EQUIPMENT CY	CURB, TYPE 4-C FT	PROOF ROLLING (1 HOUR/2000 SY) HOUR	CEMENT (0.75 X T X 115 X 0.09) LBSY TON	CURING COAT SY	CEMENT STABILIZED SUBGRADE, 14" DEEP SY			
<b>EASTBOUND I-490 CL CONTD.</b>																												
<b>FULL DEPTH SHOULDER</b>																												
1023+49.97	1030+87.13	RT/IN	737.16	8.00	0.9994	5893.74									127.33	109.14	72.03	27.29	31.83	59.12								
1030+87.13	1030+94.06	RT/IN	6.93	8.00		55.44									1.20	1.03	0.68	0.26	0.30	0.56								
1030+94.06	1035+00.00	RT/IN	405.94	8.00		3247.52									70.16	60.14	39.69	15.03	17.54	32.57								
933+23.03	933+40.45	RT/OUT	17.42	12.35		215.14									4.65	4.47	2.63	1.00	1.16	2.16								
933+40.45	934+25.00	RT/OUT	84.55	12.00		1014.60									21.92	21.14	12.40	4.70	5.48	10.18								
934+25.00	935+25.00	RT/OUT	100.00	11.00		1100.00									23.77	23.15	13.44	5.09	5.94	11.03								
935+25.00	938+52.62	RT/OUT	327.62	10.00		3276.20									70.78	69.77	40.04	15.17	17.70	32.87								
938+52.62	940+05.22	RT/OUT	152.60	10.00		1526.00									32.97	32.50	18.65	7.06	8.24	15.30								
940+05.22	941+22.99	RT/OUT	117.77	10.00		1177.70									25.44	21.81	14.39	5.45	6.36	11.81								
941+22.99	944+25.00	RT/OUT	302.01	10.00	1.0136	3061.17									66.14	56.69	37.41	14.17	16.53	30.70								
944+25.00	944+50.00	RT/OUT	25.00	9.50	1.0135	240.71									5.20	4.46	2.94	1.11	1.30	2.41								
944+50.00	945+00.00	RT/OUT	50.00	9.00	1.0135	456.08									9.85	8.45	5.57	2.11	2.46	4.57								
945+00.00	945+10.00	RT/OUT	10.00	9.50	1.0135	96.28									2.08	1.78	1.18	0.45	0.52	0.97								
945+10.00	945+59.41	RT/OUT	49.41	10.00	1.0136	500.82									10.82	9.27	6.12	2.32	2.71	5.03								
945+59.41	948+49.46	RT/OUT	290.05	10.00	1.0136	2939.95									63.52	62.62	35.93	13.61	15.88	29.49								
948+49.46	949+27.46	RT/OUT	78.00	10.00	1.0136	790.61		26.39	39.58	46.18					21.36	19.16	11.92	3.66	5.20	8.86								
949+27.46	951+37.42	RT/OUT	209.96	10.00	1.0136	2128.15									45.98	45.33	26.01	9.85	11.49	21.34								
951+37.42	952+52.46	RT/OUT	115.04	10.00	1.0136	1166.05									25.19	21.59	14.25	5.40	6.30	11.70								
952+52.46	953+50.00	RT/OUT	97.54	10.00		975.40									21.07	18.06	11.92	4.52	5.27	9.79								
958+00.00	959+17.04	RT/OUT	117.04	12.00		1404.48									30.34	29.26	17.17	6.50	7.59	14.09								
959+17.04	962+17.51	RT/OUT	300.47	12.00		3605.64									77.90	75.12	44.07	16.69	19.47	36.16								
962+17.51	964+50.00	RT/OUT	232.49	12.00	0.9825	2741.06									59.22	57.10	33.50	12.69	14.81	27.50								
964+50.00	965+50.00	RT/OUT	100.00	11.00	0.9832	1081.52									23.37	22.76	13.22	5.01	5.84	10.85								
965+50.00	967+84.10	RT/OUT	234.10	10.00	0.9834	2302.14									49.74	49.02	28.14	10.66	12.43	23.09								
967+84.10	970+84.57	RT/OUT	300.47	10.00		3004.70									64.92	63.99	36.72	13.91	16.23	30.14								
970+84.57	974+89.30	RT/OUT	404.73	10.00		4047.30									87.44	86.19	49.47	18.74	21.86	40.60								
974+89.30	975+78.77	RT/OUT	89.47	10.00		894.70									19.33	19.05	10.94	4.14	4.83	8.97								
975+78.77	979+02.34	RT/OUT	323.57	10.00	1.0110	3271.29									70.68	69.67	39.98	15.14	17.67	32.81								
980+59.02	981+34.46	RT/OUT	75.44	8.00	1.0294	621.26									13.42	13.67	7.59	2.88	3.36	6.24								
981+34.46	981+86.86	RT/OUT	52.40	8.00	1.0290	431.36		18.00	27.00	31.50					12.24	11.07	6.81	2.00	2.96	4.96								
981+86.86	983+54.13	RT/OUT	167.27	8.00	1.0282	1375.90									29.73	30.26	16.82	6.37	7.43	13.80								
983+54.13	984+22.79	RT/OUT	68.66	8.00		549.28									11.87	12.08	6.71	2.54	2.97	5.51								
984+22.79	984+72.79	RT/OUT	50.00	7.00		350.00									7.56	7.87	4.28	1.62	1.89	3.51								
984+72.79	985+50.00	RT/OUT	77.21	6.00		463.26									10.01	10.72	5.66	2.14	2.50	4.64								
985+50.00	985+66.54	CADD					95.16								24.81	2.06	2.22	1.16	0.44	0.51	0.95							
985+66.54	1020+90.90	SUSPEND AND RESUME EXISTING BRIDGE TO REMAIN																										
1021+87.40	1022+51.23	RT/OUT	63.83	10.00	0.9946	634.85									14.17	12.83	7.89	2.94	3.43	6.37								
1022+51.23	1023+49.97	STATION EQUATION																										
1023+49.97	1030+87.13	RT/OUT	737.16	10.00	0.9946	7331.79									163.68	148.21	91.10	33.94	39.60	73.54								
1030+87.13	1030+94.06	RT/OUT	6.93	10.00		69.30		2.31	4.04						1.55	1.40	0.86	0.32	0.37	0.69								
1030+94.06	1035+00.00	RT/OUT	405.94	10.00		4059.40		135.31	236.80						90.63	82.07	50.44	18.79	21.93	40.72								
<b>TOTALS CARRIED TO PAVEMENT SUBSUMMARY</b>															<b>1490</b>	<b>1396</b>		<b>840</b>	<b>316</b>	<b>370</b>	<b>686</b>		<b>3738</b>		<b>5</b>	<b>256</b>	<b>8450</b>	<b>8450</b>

CALCULATED BY: \_\_\_\_\_  
CHECKED BY: \_\_\_\_\_

**PAVEMENT CALCULATIONS**

**CUY - 490-0.00**

STATION		SIDE	LENGTH (L) FT	AVERAGE WIDTH (W) FT	CURVE CORRECTION RATIO	EDGE EXT. CURVE CORRECTION RATIO	SURFACE AREA (A=LxW) SF	CADD AREA SF	AREA FOR 4" EXTENSION SF	AREA FOR 6" EXTENSION SF	AREA FOR 7" EXTENSION SF	AREA FOR 12" EXTENSION SF	AREA FOR 18" EXTENSION SF	AREA FOR 20" EXTENSION SF	302	304	407	442	442	442	609	254	204	206	206	206	CALCULATED BY	CHECKED BY																	
FROM	TO														7" ASPHALT CONCRETE BASE, PG64-22 (448) CY	6" AGGREGATE BASE CY	NON-TRACKING TACK COAT (0.055 GAL/SY - 2 APPLICATIONS) GAL	ASPHALT CONCRETE SURFACE COURSE 12.5 MM, TYPE A (447), AS PER PLAN, PG76-22M CY	1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, 12.5 MM, TYPE A (448) CY	ANTI-SEGREGATION EQUIPMENT CY	CURB, TYPE 4-C FT	PAVEMENT PLANING, ASPHALT CONCRETE (T=1.5') SY	PROOF ROLLING (1 HOUR/2000 SY) HOUR	CEMENT (0.75 X T X 115 X 0.09) LBSY TON	CURING COAT SY	CEMENT STABILIZED SUBGRADE, 14" DEEP SY																			
<b>EASTBOUND I-490 BL</b>																																													
<b>FULL DEPTH LANES</b>																																													
2035+00.00	2037+00.00	RT	200.00	24.00	1.0021	4810.08									103.92	89.08	58.79	22.27	25.98	48.25																									
2037+00.00	2038+14.67	RT	114.67	24.00		2752.08									59.46	50.96	33.64	12.74	14.86	27.60			0.267	16.13	534.45	534.45																			
2038+14.67	2050+87.73	RT	1273.06	24.00	1.0008	30577.88									660.63	566.26	373.73	141.56	165.16	306.72			1.699	102.56	3397.54	3397.54																			
<b>FULL DEPTH SHOULDER</b>																																													
2035+00.00	2037+00.00	LT/IN	200.00	6.00	0.9995	1199.40									25.91	22.21	14.66	5.55	6.48	12.03																									
2037+00.00	2038+00.00	LT/IN	100.00	6.00		600.00							150.00		12.96	13.89	7.33	2.78	3.24	6.02			0.042	2.52	83.33	83.33																			
2038+00.00	2038+14.67	LT/IN	14.67	5.71		83.69							22.01		1.81	1.96	1.02	0.39	0.45	0.84			0.006	0.35	11.74	11.74																			
2038+14.67	2039+00.00	LT/IN	85.33	3.71	0.9999	316.12							127.97		6.83	8.22	3.86	1.46	1.71	3.17			0.025	1.49	49.34	49.34																			
2039+00.00	2049+00.00	LT/IN	1000.00	2.00	0.9999	1999.80							1499.85		43.21	64.81	24.44	9.26	10.80	20.06			0.194	11.74	388.85	388.85																			
2049+00.00	2050+00.00	LT/IN	100.00	1.00	1.0000	100.00							149.99		2.16	4.63	1.22	0.46	0.54	1.00			0.014	0.84	27.78	27.78																			
2050+00.00	2050+87.73	LT/IN	87.73	0.00	1.0000	0.00							131.60		0.00	2.44	0.00	0.00	0.00	0.00			0.007	0.44	14.62	14.62																			
2035+00.00	2037+00.00	RT/OUT	200.00	10.00	0.9949	1989.80		66.27					115.98		44.42	40.22	24.72	9.21	10.75	19.96			0.127	7.67	254.23	254.23																			
2037+00.00	2038+14.67	RT/OUT	114.67	7.71		883.53		38.22					66.89		19.91	18.31	11.03	4.09	4.77	8.86			0.059	3.54	117.28	117.28																			
2038+14.67	2038+51.14	RT/OUT	36.47	4.68	1.0017	170.97		12.18					21.31		3.96	3.79	2.16	0.79	0.92	1.71			0.013	0.76	25.09	25.09																			
2038+51.14	2039+00.00	RT/OUT	48.86	2.98	1.0017	145.61							73.42		3.15	4.06	1.78	0.67	0.79	1.46			0.012	0.73	24.34	24.34																			
2039+00.00	2049+00.00	RT/OUT	1000.00	2.00	1.0016	2003.20							1502.55		43.28	64.92	24.48	9.27	10.82	20.09			0.195	11.76	389.53	389.53																			
2049+00.00	2050+00.00	RT/OUT	100.00	1.00	1.0016	100.16							150.24		2.16	4.64	1.22	0.46	0.54	1.00			0.014	0.84	27.82	27.82																			
2050+00.00	2050+87.73	RT/OUT	87.73	0.00	1.0016	0.00							131.81		0.00	2.44	0.00	0.00	0.00	0.00			0.007	0.44	14.65	14.65																			
<b>GORE AREAS</b>																																													
<b>WESTBOUND I-490 CL / RAMP E-S (I-71)</b>																																													
958+62.77	963+34.02	LT					6128.23								132.40	113.49	74.90	28.37	33.10	61.47			0.340	20.55	680.91	680.91																			
<b>EASTBOUND I-490 CL / RAMP S-E (I-71)</b>																																													
953+50	958+00.00	RT					6070.50								131.15	112.42	74.20	28.10	32.79	60.89			0.337	20.36	674.50	674.50																			
<b>EASTBOUND I-490 CL / RAMP 7-7C</b>																																													
979+02.34	980+59.02	RT					2080.12								44.94	38.52	25.42	9.63	11.24	20.87			0.116	6.98	231.12	231.12																			
<b>EASTBOUND I-490 CL / RAMP W-S (I-77)</b>																																													
1020+90.90	1021+87.40	RT					1727.59								37.32	31.99	21.11	8.00	9.33	17.33			0.096	5.79	191.95	191.95																			
<b>RAMP E-N (I-77) / RAMP E-S (I-77)</b>																																													
739+15.85	740+95.22	RT					1550.30								33.49	28.71	18.95	7.18	8.37	15.55			0.086	5.20	172.26	172.26																			
<b>RAMP E-N (I-77) / RAMP W-N (I-77)</b>																																													
733+41.84	734+00.31	RT					557.02										6.81	2.58					61.89																						
<b>RAMP N-E (I-77) / RAMP S-E (I-77)</b>																																													
442+93.82	445+70.00	RT					2500.09								54.01	46.30	30.56	11.57	13.50	25.07			0.139	8.39	277.79	277.79																			
<b>RAMP N-W (I-77) / RAMP S-W (I-77)</b>																																													
125+73.83	126+61.20	RT					917.44								19.82	16.99	11.21	4.25	4.96	9.21			0.051	3.08	101.94	101.94																			
<b>RAMP W-N (I-77) / RAMP W-S (I-77)</b>																																													
625+84.24	627+98.91	RT					2025.57								43.76	37.51	24.76	9.38	10.94	20.32			0.113	6.79	225.06	225.06																			
<b>TOTALS CARRIED TO PAVEMENT SUBSUMMARY</b>															1531	1389		872	331	383	710		2625		62	5	253	8356	8356																

PAVEMENT CALCULATIONS

CUY-490-0.00

STATION		SIDE	LENGTH (L) FT	AVERAGE WIDTH (W) FT	CURVE CORRECTION RATIO	EDGE EXT. CURVE CORRECTION RATIO	SURFACE AREA (A=LxW) SF	CADD AREA SF	AREA FOR 4" EXTENSION SF	AREA FOR 6" EXTENSION SF	AREA FOR 7" EXTENSION SF	AREA FOR 12" EXTENSION SF	AREA FOR 18" EXTENSION SF	AREA FOR 20" EXTENSION SF	302	304		407	442	442	442		609			204	206	206	206	CALCULATED BY	CHECKED BY																
FROM	TO														7" ASPHALT CONCRETE BASE, PG64-22 (448)	6" AGGREGATE BASE	NON-TRACKING TACK COAT (0.055 GAL/SY - 2 APPLICATIONS)	ASPHALT CONCRETE SURFACE COURSE 12.5 MM TYPE A (447), AS PER PLAN, PG76-22M	1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, 12.5 MM, TYPE A (446)	ANTI-SEGREGATION EQUIPMENT	CURB, TYPE 4-C	PROOF ROLLING (1 HOUR/2000 SY)	CEMENT (0.75 X T X 115 X 0.09) LBS/Y	CURING COAT	CEMENT STABILIZED SUBGRADE, 14" DEEP																						
<b>RAMP E-S (I-71) BL</b>																																															
<b>FULL DEPTH LANES</b>																																															
3036+66.35	3038+00.95	RT	134.60	24.00	0.9938	3210.37									69.36	59.45		39.24	14.86	17.34	32.20							0.178	10.77	356.71	356.71																
3038+00.95	3040+69.11	RT	268.16	24.00	0.9877	6356.68									137.34	117.72		77.69	29.43	34.33	63.76							0.353	21.32	706.30	706.30																
3040+69.11	3042+13.54	RT	144.43	24.00	0.9818	3403.23									73.53	63.02		41.60	15.76	18.38	34.14							0.189	11.42	378.14	378.14																
3042+13.54	3047+21.36	SUSPEND AND RESUME EXISTING BRIDGE TO REMAIN																																													
3047+21.36	3048+92.42	RT	171.06	24.00	0.9877	4054.94									87.61	75.09		49.56	18.77	21.90	40.67							0.225	13.60	450.55	450.55																
3048+92.42	3050+79.24	RT	186.82	24.00	0.9938	4455.88									96.27	82.52		54.46	20.63	24.07	44.70							0.248	14.95	495.10	495.10																
3050+79.24	3051+96.21	RT	116.97	24.00		2807.28									60.65	51.99		34.31	13.00	15.16	28.16							0.156	9.42	311.92	311.92																
3051+96.21	3052+03.81	RT	7.60	24.00		182.40									3.94	3.38		2.23	0.84	0.99	1.83							0.010	0.61	20.27	20.27																
3052+03.81	3053+16.33	RT	112.52	24.00		2700.48									58.34	50.01		33.01	12.50	14.59	27.09							0.150	9.06	300.05	300.05																
3053+16.33	3056+31.68	RT	315.35	24.00	1.0042	7600.19									164.20	140.74		92.89	35.19	41.05	76.24							0.422	25.49	844.47	844.47																
3056+31.68	3056+86.38	RT	54.70	24.00		1312.80									28.36	24.31		16.05	6.08	7.09	13.17							0.073	4.40	145.87	145.87																
3056+86.38	3058+37.94	RT	151.56	24.00		3637.44									78.59	67.36		44.46	16.84	19.65	36.49							0.202	12.20	404.16	404.16																
3058+37.94	3059+74.83	RT	136.89	24.00	0.9995	3283.72									70.94	60.81		40.13	15.20	17.74	32.94							0.182	11.01	364.86	364.86																
3059+74.83	3063+32.61	RT	357.78	24.00	0.9995	8582.43									185.42	158.93		104.90	39.73	46.36	86.09							0.477	28.79	953.60	953.60																
3063+32.61	3064+68.90	RT					3360.19								72.60	62.23		41.07	15.56	18.15	33.71							0.187	11.27	373.35	373.35																
<b>FULL DEPTH SHOULDER</b>																																															
3036+66.35	3038+00.95	LT/OUT	134.60	10.00	1.0026	1349.50			45.10						30.13	27.29		16.77	6.25	7.29	13.54							0.086	5.21	172.49	172.49																
3038+00.95	3040+69.11	LT/OUT	268.16	10.00	1.0051	2695.28			90.30						60.18	54.51		33.49	12.48	14.56	27.04							0.172	10.40	344.62	344.62																
3040+69.11	3041+77.91	LT/OUT	108.80	10.00	1.0076	1096.27			36.81						24.48	22.18		13.62	5.08	5.92	11.00							0.070	4.23	140.21	140.21																
3041+77.91	3042+04.50	LT/OUT	26.59	7.44	1.0056	198.94			8.96						4.49	4.14		2.49	0.92	1.07	1.99							0.013	0.80	26.59	26.59																
3042+04.50	3042+13.54	LT/OUT	9.04	4.88	1.0037	1007.4			3.04						1.02	0.97		0.56	0.21	0.24	0.45							0.003	0.19	6.44	6.44																
3042+13.54	3047+21.36	SUSPEND AND RESUME EXISTING BRIDGE TO REMAIN																																													
3047+21.36	3047+25.45	LT/OUT	4.09	3.17	1.0016	12.97									0.28	0.24		0.16	0.06	0.07	0.13							0.001	0.04	1.44	1.44																
3047+25.45	3048+92.42	LT/OUT	166.97	5.07	1.0026	848.74									18.34	20.38		10.37	3.93	4.58	8.51			166.97				0.061	3.69	122.28	122.28																
3048+92.42	3049+09.37	LT/OUT	16.95	7.12	1.0018	120.82									2.61	2.71		1.48	0.56	0.65	1.21			16.95				0.008	0.49	16.26	16.26																
3049+09.37	3049+87.03	LT/OUT	77.66	8.17	1.0021	635.43		26.00		38.99					17.94	16.22		9.99	2.94	4.34	7.28							0.049	2.94	97.32	97.32																
3049+87.03	3050+30.82	LT/OUT	43.79	9.52	1.0025	417.70									9.02	8.96		5.11	1.93	2.26	4.19			43.79				0.027	1.62	53.75	53.75																
3050+30.82	3050+79.24	LT/OUT	48.42	10.00	1.0026	485.46									10.49	10.34		5.93	2.25	2.62	4.87			48.42				0.031	1.87	62.05	62.05																
3050+79.24	3051+96.21	LT/OUT	116.97	10.00		1169.70									25.27	24.91		14.30	5.42	6.32	11.74			116.97				0.075	4.51	149.46	149.46																
3051+96.21	3052+03.81	LT/OUT	7.60	10.00		76.00									1.64	1.62		0.93	0.35	0.41	0.76			7.60				0.005	0.29	9.71	9.71																
3052+03.81	3053+16.33	LT/OUT	112.52	10.00		1125.20									24.31	23.96		13.75	5.21	6.08	11.29			112.52				0.072	4.34	143.78	143.78																
3053+16.33	3056+31.68	LT/OUT	315.35	10.00	0.9983	3148.14									68.02	67.03		38.48	14.57	17.00	31.57			315.35				0.201	12.14	402.17	402.17																
3056+31.68	3056+86.38	LT/OUT	54.70	10.00		547.00									11.82	11.65		6.69	2.53	2.95	5.48			54.70				0.035	2.11	69.89	69.89																
3056+86.38	3058+37.94	LT/OUT	151.56	10.00		1515.60									32.74	32.28		18.52	7.02	8.19	15.21			151.56				0.097	5.85	193.66	193.66																
3058+37.94	3059+74.83	LT/OUT	136.89	10.00	1.0002	1369.17									29.58	29.16		16.73	6.34	7.40	13.74			136.89				0.087	5.28	174.95	174.95																
3059+74.83	3064+68.90	LT/OUT	494.07	10.00	1.0002	4941.69									106.76	105.24		60.40	22.88	26.69	49.57			494.07				0.316	19.06	631.45	631.45																
3036+66.35	3036+76.74	RT/IN	10.39	3.80	0.9866	38.90			3.41						0.91	0.89		0.50	0.18	0.21	0.39							0.003	0.18	6.03	6.03																
3036+76.74	3038+00.95	RT/IN	124.21	4.00	0.9866	490.18			40.80						11.47	11.16		6.24	2.27	2.65	4.92							0.037	2.26	74.87	74.87																
3038+00.95	3040+69.11	RT/IN	268.16	4.00	0.9734	1044.11			86.83						24.43	23.76		13.29	4.83	5.64	10.47							0.080	4.81	159.43	159.43																
3040+69.11	3042+06.87	RT/IN	137.76	4.00	0.9606	529.33			43.97						12.39	12.04		6.74	2.45	2.86	5.31							0.040	2.44	80.80	80.80																
3042+06.87	3042+12.45	RT/IN	5.58	3.47	0.9610	18.58			1.78						0.44	0.43		0.24	0.09	0.10	0.19							0.001	0.09	2.96	2.96																
3042+12.45	3047+21.36	SUSPEND AND RESUME EXISTING BRIDGE TO REMAIN																																													
<b>TOTALS CARRIED TO PAVEMENT SUBSUMMARY</b>															1716	1530		969	366	427	793		1666																								

PAVEMENT CALCULATIONS

CUY-490-0.00

STATION		SIDE	LENGTH (L) FT	AVERAGE WIDTH (W) FT	CURVE CORRECTION RATIO	EDGE EXT. CURVE CORRECTION RATIO	SURFACE AREA (A=LxW) SF	CADD AREA SF	AREA FOR 4" EXTENSION SF	AREA FOR 6" EXTENSION SF	AREA FOR 7" EXTENSION SF	AREA FOR 12" EXTENSION SF	AREA FOR 18" EXTENSION SF	AREA FOR 20" EXTENSION SF	302	304	407	442	442	442	609	204	206	206	206													
FROM	TO														7" ASPHALT CONCRETE BASE, PG64-22 (44)	6" AGGREGATE BASE	NON-TRACKING TACK COAT (0.055 GALS/SY - 2 APPLICATIONS)	ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (447), AS PER PLAN, PG76-22M	1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, 12.5 MM, TYPE A (446)	ANTI-SEGREGATION EQUIPMENT	CURB, TYPE 4-C	PROOF ROLLING (1 HOUR/2000 SY)	CEMENT (0.75 X T X 115 X 0.09) LBS/SY	CURING COAT	CEMENT STABILIZED SUBGRADE, 14" DEEP													
<b>RAMP E-S (I-71) BL CONTD.</b>																																						
<b>FULL DEPTH SHOULDER</b>																																						
3047+21.45	3047+22.60	RT/IN	1.15	4.03	0.9734		4.51								0.10	0.08		0.06	0.02	0.02																		
3047+22.60	3048+04.43	RT/IN	81.83	4.00	0.9734		318.61								6.88	5.90		3.89	1.48	1.72	3.20																	
3048+04.43	3048+92.42	RT/IN	87.99	4.00	0.9734	0.9714	342.60					128.21			7.40	8.72		4.19	1.59	1.85	3.44		87.99															
3048+92.42	3050+79.24	RT/IN	186.82	4.00	0.9866	0.9855	737.27					276.17			15.93	18.77		9.01	3.41	3.98	7.39		186.82															
3050+79.24	3051+96.21	RT/IN	116.97	4.00			467.88					175.46			10.11	11.91		5.72	2.17	2.53	4.70		116.97															
3051+96.21	3052+03.81	RT/IN	7.60	4.00			30.40					11.40			0.66	0.77		0.37	0.14	0.16	0.30		7.60															
3052+03.81	3053+16.33	RT/IN	112.52	4.00			450.08					168.78			9.72	11.46		5.50	2.08	2.43	4.51		112.52															
3053+16.33	3056+31.68	RT/IN	315.35	4.00	1.0091	1.0098	1272.88					477.66			27.50	32.42		15.56	5.89	6.88	12.77		315.35															
3056+31.68	3056+86.38	RT/IN	54.70	4.00			218.80					82.05			4.73	5.57		2.67	1.01	1.18	2.19		54.70															
3056+86.38	3058+37.94	RT/IN	151.56	4.00			606.24					227.34			13.10	15.44		7.41	2.81	3.27	6.08		151.56															
3058+37.94	3058+59.21	RT/IN	21.27	4.00	0.9909	0.9902	84.31					31.59			1.82	2.15		1.03	0.39	0.46	0.85		21.27															
<b>RAMP S-E (I-71) BL</b>																																						
<b>FULL DEPTH LANES</b>																																						
2049+00.00	2049+19.91	LT	19.91	16.00	1.0124		322.51								6.97	5.97		3.94	1.49	1.74	3.23																	
2049+19.91	2051+91.73	LT	271.82	16.00	1.0063		4376.52								94.55	81.05		53.49	20.26	23.64	43.90																	
2051+91.73	2053+91.73	LT	200.00	16.00	1.0031		3209.92								69.35	59.44		39.23	14.86	17.34	32.20																	
2053+91.73	2058+00.00	LT	408.27	16.00			6532.32								141.13	120.97		79.84	30.24	35.28	65.52																	
<b>FULL DEPTH SHOULDER</b>																																						
2049+00.00	2049+19.91	LT/IN	19.91	5.07	1.0288	1.0327	103.85		6.85		11.99				2.39	2.27		1.31	0.48	0.56	1.04																	
2049+19.91	2049+36.68	LT/IN	16.77	4.34	1.0143	1.0160	73.74		5.68		9.94				1.72	1.65		0.94	0.34	0.40	0.74																	
2049+36.68	2051+04.61	LT/IN	167.93	4.00	1.0141	1.0157	681.19		56.86		99.50				15.95	15.51		8.67	3.15	3.68	6.83																	
2051+04.61	2051+22.48	LT/IN	17.87	4.00	1.0141	1.0157	72.49								1.57	1.85		0.89	0.34	0.39	0.73		17.87															
2051+22.48	2051+91.73	LT/IN	69.25	4.00	1.0141	1.0157	280.91								9.87	9.22		5.44	1.30	2.34	3.64																	
2051+91.73	2052+50.64	LT/IN	58.91	4.00	1.0071	1.0079	237.31		19.79	29.69	34.64				8.33	7.79		4.59	1.10	1.98	3.08																	
2052+50.64	2053+05.00	LT/IN	54.36	4.00			217.44								4.70	4.03		2.66	1.01	1.17	2.18																	
2053+05.00	2053+47.50	LT/IN	42.50	4.85			206.13								4.45	3.82		2.52	0.95	1.11	2.06																	
2053+47.50	2053+50.00	LT/IN	2.50	5.70			14.25								0.31	0.26		0.17	0.07	0.08	0.15																	
2049+00.00	2049+09.90	RT/OUT	9.90	16.20	0.9874	0.9749	158.36								3.42	3.20		1.94	0.73	0.86	1.59																	
2049+09.90	2049+19.91	RT/OUT	10.01	16.00	0.9876	0.9752	158.17								3.42	3.20		1.93	0.73	0.85	1.58																	
2049+19.91	2051+91.73	RT/OUT	271.82	16.00	0.9937	0.9874	4321.72								93.37	87.49		52.82	20.01	23.34	43.35																	
2051+91.73	2052+00.00	RT/OUT	8.27	16.00	0.9969	0.9937	131.91								12.33	2.67		1.61	0.61	0.71	1.32																	
2052+00.00	2053+00.00	RT/OUT	100.00	14.00	0.9973	0.9945	1396.22								30.17	28.62		17.06	6.46	7.54	14.00																	
2053+00.00	2053+91.73	RT/OUT	91.73	12.00	0.9976	0.9953	1098.12								23.72	22.87		13.42	5.08	5.93	11.01																	
2053+91.73	2054+31.00	RT/OUT	39.27	12.00			471.24								10.18	9.82		5.76	2.18	2.55	4.73																	
2054+31.00	2054+79.00	RT/OUT	48.00	12.00			576.00		16.00	24.00	28.00	48.00			15.04	13.41		8.41	2.67	3.67	6.34																	
2054+79.00	2058+00.00	RT/OUT	321.00	12.00			3852.00								83.22	80.25		47.08	17.83	20.81	38.64																	
<b>TOTALS CARRIED TO PAVEMENT SUBSUMMARY</b>															725	679		410	153	181	334		1973												3	124	4085	4085

CALCULATED BY: \_\_\_\_\_ CHECKED BY: \_\_\_\_\_

**PAVEMENT CALCULATIONS**

**CUY-490-0.00**

8  
25



STATION		SIDE	LENGTH (L) FT	AVERAGE WIDTH (W) FT	CURVE CORRECTION RATIO	EDGE EXT. CURVE CORRECTION RATIO	SURFACE AREA (A=LxW) SF	CADD AREA SF	AREA FOR 4" EXTENSION SF	AREA FOR 6" EXTENSION SF	AREA FOR 7" EXTENSION SF	AREA FOR 12" EXTENSION SF	AREA FOR 18" EXTENSION SF	AREA FOR 20" EXTENSION SF	302	304	407	442	442	442	452	609	204	206	206	206	CALCULATED BY	CHECKED BY		
FROM	TO														7" ASPHALT CONCRETE BASE, PG64-22 (448)	6" AGGREGATE BASE	NON-TRACKING TACK COAT (0.055 GAL/SY - 2 APPLICATIONS)	ASPHALT CONCRETE SURFACE COURSE 12.5 MM, TYPE A (447), AS PER PLAN, PG76-22M	1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, 12.5 MM, TYPE A (448)	ANTI-SEGREGATION EQUIPMENT	10.5" NON-REINFORCED CONCRETE PAVEMENT, CLASS GC 1P WITH GC/IOA	CURB, TYPE 6	PROOF ROLLING (1 HOUR/2000 SY)	CEMENT (0.75 X T X 115 X 0.09) LBS/SY	CURING COAT	CEMENT STABILIZED SUBGRADE, 14" DEEP				
<b>RAMP 7-7C BL</b>																														
<b>FULL DEPTH LANES</b>																														
68+37.92	69+80.36						CADD	8868.95																						
69+80.36	69+82.85	LT	2.49	16.00											166.08															
69+82.85	70+06.56	LT	23.71	16.00											0.74															
70+06.56	73+06.56	LT	300.00	16.00	1.0279										91.37															
73+06.56	77+59.02	LT	452.46	16.00	1.0342										138.65															
77+59.02	79+00.64	LT	141.62	16.00	1.0185										42.74															
79+00.64	80+59.02	LT	158.38	16.00	1.0185										55.76															
69+80.36	69+82.85	RT	2.49	12.00											0.55															
69+82.85	70+06.56	RT	23.71	12.00											5.27															
70+06.56	72+80.36	RT	273.80	12.00	0.9791										59.57															
72+80.36	73+06.56	RT	26.20	11.13	0.9806										5.29															
73+06.56	74+60.36	RT	153.80	5.13	0.9890										14.44															
<b>FULL DEPTH SHOULDER</b>																														
68+37.92	69+12.29						CURB																							
69+12.29	69+45.01						CADD	65.56																						
69+45.01	70+06.56	LT/IN	61.55	3.00											30.78															
70+06.56	73+06.56	LT/IN	300.00	3.00	1.0611	1.0663									92.33															
73+06.56	77+59.02	LT/IN	452.46	3.00	1.0748	1.0812									159.95															
77+59.02	79+00.64	LT/IN	141.62	3.00	1.0404	1.0439									244.60															
68+37.92	68+92.37						CADD	590.59																						
68+92.37	69+80.36						CADD	523.88								43.99														
69+80.36	70+06.56	RT/OUT	26.20	6.00											13.10															
70+06.56	73+06.56	RT/OUT	300.00	6.00	0.9895	0.9791									146.87															
73+06.56	77+59.02	RT/OUT	452.46	6.00	0.9872	0.9743									220.42															
77+59.02	79+00.64	RT/OUT	141.62	6.00	0.9931	0.9862									69.83															
79+00.64	80+08.90	RT/OUT	108.26	6.00	0.9931	0.9862									160.15															
80+08.90	80+58.90	RT/OUT	50.00	7.00	0.9919	0.9839									14.71															
80+58.90	80+59.02	RT/OUT	0.12	8.00	0.9908	0.9816									7.85															
<b>RAMP C-7 BL</b>																														
<b>FULL DEPTH LANES</b>																														
81+98.55	82+50.48						CADD	2161.76																						
82+50.48	85+50.00	LT	299.52	12.00																										
82+50.48	85+50.00	RT	299.52	16.00																										
85+50.00	85+61.97						CADD	342.99																						
<b>FULL DEPTH SHOULDER</b>																														
82+50.48	82+60.00	LT/OUT	9.52	0.00																										
82+60.00	82+90.00	LT/OUT	30.00	3.00											14.28															
82+90.00	85+10.00	LT/OUT	220.00	6.00											45.00															
85+10.00	85+39.31	LT/OUT	29.31	6.59											330.00															
85+39.31	85+50.00	LT/OUT	10.69	7.17											43.96															
85+50.00	85+60.27						CADD	70.06								16.04														
<b>TOTALS CARRIED TO PAVEMENT SUBSUMMARY</b>															79	1052	44	17	20	36	5660	729	4	198	6545	6545				

PAVEMENT CALCULATIONS

CUY-490-0.00

STATION		SIDE	LENGTH (L) FT	AVERAGE WIDTH (W) FT	CURVE CORRECTION RATIO	EDGE EXT. CURVE CORRECTION RATIO	SURFACE AREA (A=LxW) SF	CADD AREA SF	AREA FOR 4" EXTENSION SF	AREA FOR 6" EXTENSION SF	AREA FOR 7" EXTENSION SF	AREA FOR 12" EXTENSION SF	AREA FOR 18" EXTENSION SF	AREA FOR 20" EXTENSION SF	302	304	407	442	442	442	452	609	204	206	206	206	CALCULATED BY	CHECKED BY																
FROM	TO														7" ASPHALT CONCRETE BASE, PG64-22 (44)	6" AGGREGATE BASE	NON-TRACKING TACK COAT (0.055 GAL/SY - 2 APPLICATIONS)	ASPHALT CONCRETE SURFACE COURSE 12.5 MM, TYPE A (447), AS PER PLAN, PG76-22M	1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, 12.5 MM, TYPE A (446)	ANTI-SEGREGATION EQUIPMENT	10.5" NON-REINFORCED CONCRETE PAVEMENT, CLASS GC 1P WITH GC/IOA	CURE, TYPE 6	PROOF ROLLING (1 HOUR/2000 SY)	CEMENT (0.75 X T X 115 X 0.09) LBS/SY	CURING COAT	CEMENT STABILIZED SUBGRADE, 14" DEEP																		
FT	FT																																											
<b>RAMP C-7 BL CONTD.</b>																																												
<b>FULL DEPTH SHOULDER</b>																																												
81+96.55	82+26.06							179.22																																				
82+26.06	82+44.11							148.61					27.22																															
82+44.11	83+60.00	RT/IN	115.89	8.00			927.12					57.94																																
83+60.00	84+10.00	RT/IN	50.00	5.50			275.00					25.00																																
84+10.00	85+50.00	RT/IN	140.00	3.00			420.00					70.00																																
85+50.00	85+64.23							43.33				7.11																																
<b>RAMP B-C BL</b>																																												
<b>FULL DEPTH LANES</b>																																												
14+96.55	15+00.00							75.11																																				
15+00.00	15+32.54	RT	32.54	16.00	1.0056		523.56																																					
15+32.54	17+45.01	RT	212.47	16.00	1.0112		3437.59																																					
17+45.01	18+15.00	RT	69.99	16.00			1119.84																																					
18+15.00	18+18.79							193.62				44.76																																
17+04.96	18+18.79							2210.58				227.82																																
<b>FULL DEPTH SHOULDER</b>																																												
14+96.55	15+00.00							22.03					3.44																															
15+00.00	15+32.54	LT/OUT	32.54	7.25	0.9975	0.9949	235.33						48.56																															
15+32.54	15+42.69	LT/OUT	10.15	7.25	0.9949	0.9899	73.21						15.07																															
15+42.69	15+61.55	LT/OUT	18.86	7.63	0.9947	0.9894	143.05						27.99																															
15+61.55	16+64.96	LT/OUT	103.41	8.00	0.9944	0.9888	822.65						153.38																															
16+64.96	17+04.96	LT/OUT	40.00	4.00	0.9972	0.9944	159.55						59.66																															
14+93.83	15+00.00							19.71				3.08																																
15+00.00	15+01.91	RT/IN	1.91	3.04	1.0122	1.0133	5.87					0.97																																
15+01.91	15+32.54	RT/IN	30.63	3.00	1.0122	1.0133	93.01					15.52																																
15+32.54	17+45.01	RT/IN	212.47	3.00	1.0244	1.0265	652.96					109.05																																
17+45.01	17+71.99	RT/IN	26.98	3.00			80.94					13.49																																
17+71.99	18+00.00	RT/IN	28.01	3.00			84.03						42.02																															
18+00.00	18+15.00	RT/IN	15.00	1.50			22.50						22.50																															
<b>RAMP C-B BL</b>																																												
<b>FULL DEPTH LANES</b>																																												
14+51.44	14+75.44							287.98																																				
14+75.44	15+44.93	LT	69.49	24.00			1667.76						369.84																															
15+44.93	17+34.86							5531.49																																				
16+79.88	17+82.11							265.03					170.51																															
<b>FULL DEPTH SHOULDER</b>																																												
14+48.85	14+51.44							3.35					3.88																															
14+51.44	14+56.66	LT/IN	5.22	2.59			13.51						7.83																															
14+56.66	14+60.77	LT/IN	4.11	2.80			11.49						6.16																															
14+60.77	15+44.93	LT/IN	84.16	3.00			252.48						126.24																															
15+44.93	15+94.81							110.31					108.12																															
<b>TOTALS CARRIED TO PAVEMENT SUBSUMMARY</b>															406																													

PAVEMENT CALCULATIONS

CUY-490-0.00



STATION		SIDE	LENGTH (L) FT	AVERAGE WIDTH (W) FT	CURVE CORRECTION RATIO	EDGE EXT. CURVE CORRECTION RATIO	SURFACE AREA (A=LxW) SF	CADD AREA SF	AREA FOR 4" EXTENSION SF	AREA FOR 6" EXTENSION SF	AREA FOR 7" EXTENSION SF	AREA FOR 12" EXTENSION SF	AREA FOR 18" EXTENSION SF	AREA FOR 20" EXTENSION SF	302	304	407	442	442	442	609	254	204	206	206	206	CALCULATED BY	CHECKED IND				
FROM	TO														7" ASPHALT CONCRETE BASE, PG64-22 (448) CY	6" AGGREGATE BASE CY	NON-TRACKING TACK COAT (0.055 GALS/SY - 2 APPLICATIONS) GAL	ASPHALT CONCRETE SURFACE COURSE 12.5 MM TYPE A (447), AS PER PLAN, PG76-22M CY	1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, 12.5 MM, TYPE A (446) CY	ANTI-SEGREGATION EQUIPMENT CY	CURB, TYPE 4-C FT	PAVEMENT PLANING, ASPHALT CONCRETE (T=1.5') SY	PROOF ROLLING (1 HOUR/2000 SY) HOUR	CEMENT (0.75 X T X 115 X 0.09) LBS/SY TON	CURING COAT SY	CEMENT STABILIZED SUBGRADE, 14" DEEP SY						
<b>RAMP E-S (I-77) BL</b>																																
<b>FULL DEPTH LANES</b>																																
830+52.00	831+47.44	LT	95.44	16.00	1.0209	1558.96											19.05	7.22				173.22										
831+47.44	832+51.04	LT	103.60	16.00	1.0126	1678.49											20.51	7.77				186.50										
832+51.04	832+58.24	CADD										57.59										6.40										
832+58.24	835+80.32	SUSPEND AND RESUME EXISTING BRIDGE TO REMAIN																														
835+80.32	835+08.78	CADD										238.95																				
836+08.78	837+59.70	LT	150.92	16.00	1.0161	2453.60									5.16	4.43	2.92	1.11	1.29	2.40				0.013	0.80	26.55	26.55					
837+59.70	839+08.99	LT	149.29	16.00	1.0080	2407.75									53.01	45.44	29.99	11.36	13.25	24.61				0.136	8.23	272.62	272.62					
839+08.99	840+59.70	LT	150.71	14.38	1.0072	2182.05									52.02	44.59	29.43	11.15	13.00	24.15				0.134	8.08	267.53	267.53					
840+59.70	840+94.61	LT	34.91	12.38		432.01									47.14	40.41	26.67	10.10	11.79	21.89				0.121	7.32	242.45	242.45					
840+94.61	842+23.67	LT	129.06	12.00		1548.72									9.33	8.00	5.28	2.00	2.33	4.33				0.024	1.45	48.00	48.00					
<b>FULL DEPTH SHOULDER</b>																																
830+52.00	831+47.44	LT/OUT	95.44	10.77	1.0560	1084.95											13.26	5.02				120.55										
831+47.44	831+75.00	LT/OUT	27.56	11.78	1.0344	335.68											4.10	1.55				37.30										
831+75.00	832+05.00	LT/OUT	30.00	12.00	1.0346	372.46											4.55	1.72				41.38										
832+05.00	832+47.22	LT/OUT	42.22	10.42	1.0333	454.58											5.56	2.10				50.51										
832+47.22	832+51.04	CADD										17.27											1.92									
832+51.04	835+72.09	SUSPEND AND RESUME EXISTING BRIDGE TO REMAIN																														
835+72.09	835+80.32	CADD										22.90																				
835+80.32	835+94.60	LT/OUT	14.28	5.76	1.0379	85.37									0.49	0.42	0.28	0.11	0.12	0.23				0.001	0.08	2.54	2.54					
835+94.60	837+43.44	LT/OUT	148.84	9.03	1.0412	1398.62		52.10		91.18					1.84	2.00	1.04	0.40	0.46	0.86		14.90		0.006	0.36	11.97	11.97					
837+43.44	837+59.70	LT/OUT	16.26	12.00	1.0442	203.74			5.72	10.02					31.34	28.55	17.41	6.48	7.55	14.03				0.091	5.48	181.45	181.45					
837+59.70	839+08.98	LT/OUT	149.28	12.00	1.0221	1830.95									4.53	4.06	2.53	0.94	1.10	2.04				0.013	0.77	25.50	25.50					
839+08.98	839+13.00	CADD										24.75																				
830+52.00	831+47.44	RT/IN	95.44	11.25	0.9853	1057.45											12.92	4.90				117.49										
831+47.44	832+58.24	RT/IN	110.80	9.28	0.9927	1020.17											12.47	4.72				113.35										
832+58.24	832+62.06	CADD										14.88																				
832+62.06	836+08.78	SUSPEND AND RESUME EXISTING BRIDGE TO REMAIN																														
836+08.78	836+30.99	CADD										121.00																				
836+30.99	836+47.49	RT/IN	16.50	10.41	0.9896	169.98									2.61	2.24	1.48	0.56	0.65	1.21				0.007	0.41	13.44	13.44					
836+47.49	836+49.40	RT/IN	1.91	10.04	0.9899	18.98									3.67	3.15	2.08	0.79	0.92	1.71				0.009	0.57	18.89	18.89					
836+49.40	836+66.03	RT/IN	16.63	10.00	0.9900	164.64									0.41	0.40	0.23	0.09	0.10	0.19		1.87		0.001	0.07	2.42	2.42					
836+66.03	837+59.70	RT/IN	93.67	10.00	0.9900	927.33		30.60		53.54					3.56	3.50	2.01	0.76	0.89	1.65		16.30		0.011	0.63	21.01	21.01					
837+59.70	840+59.70	RT/IN	300.00	7.00	0.9965	2092.65									20.70	18.73	11.52	4.29	5.01	9.30				0.059	3.57	118.33	118.33					
840+59.70	841+35.20	RT/IN	75.50	4.00		302.00									99.30	173.78	47.36	43.81	26.18	9.69	11.30	20.99			0.141	8.52	282.17	282.17				
841+35.20	842+23.67	RT/IN	88.47	4.00		353.88		29.49	44.24	51.61					7.07	6.87	3.84	1.40	1.63	3.03				0.023	1.39	46.14	46.14					
<b>RAMP N-E (I-77) BL</b>																																
<b>FULL DEPTH LANES</b>																																
437+48.58	437+50.00	CADD										22.22																				
437+50.00	440+77.67	RT	327.67	16.00	1.0056	5272.08									0.48	0.41	0.27	0.10	0.12	0.22				0.001	0.07	2.47	2.47					
440+77.67	442+77.67	RT	200.00	16.00	1.0028	3208.96									113.90	97.63	64.44	24.41	28.48	52.89				0.293	17.68	585.79	585.79					
442+77.67	445+70.00	RT	292.33	16.00		4677.28									69.33	59.43	39.22	14.86	17.33	32.19				0.178	10.76	356.55	356.55					
<b>FULL DEPTH SHOULDER</b>																																
437+48.55	437+50.00	CADD										5.92																				
437+50.00	437+52.48	LT/IN	2.48	4.05	0.9986	10.02		0.48		0.85					0.14	0.13	0.08	0.03	0.03	0.06				0.000	0.03	0.90	0.90					
437+52.48	438+80.00	LT/IN	127.52	4.00	0.9986	509.37		0.82		1.44					0.23	0.23	0.13	0.05	0.05	0.10				0.001	0.05	1.53	1.53					
438+80.00	440+30.00	LT/IN	150.00	7.00	0.9976	1047.48		42.39		74.18					11.92	11.59	6.48	2.36	2.75	5.11				0.039	2.35	77.79	77.79					
<b>TOTALS CARRIED TO PAVEMENT SUBSUMMARY</b>															<b>699</b>	<b>612</b>		<b>487</b>	<b>183</b>	<b>173</b>	<b>320</b>		<b>37</b>			<b>851</b>	<b>2</b>	<b>113</b>	<b>3742</b>	<b>3742</b>		


PAVEMENT CALCULATIONS

CUY-490-0.00



STATION		SIDE	LENGTH (L) FT	AVERAGE WIDTH (W) FT	CURVE CORRECTION RATIO	EDGE EXT. CURVE CORRECTION RATIO	SURFACE AREA (A=LxW) SF	CADD AREA SF	AREA FOR 4" EXTENSION SF	AREA FOR 6" EXTENSION SF	AREA FOR 7" EXTENSION SF	AREA FOR 12" EXTENSION SF	AREA FOR 18" EXTENSION SF	AREA FOR 20" EXTENSION SF	302	304	407	442	442	442	452	609	609	254	204	206	206	206	CALCULATED BY	CHECKED BY											
FROM	TO														7" ASPHALT CONCRETE BASE, PG64-22 (448)	6" AGGREGATE BASE	NON-TRACKING TACK COAT (0.055 GALS/SY - 2 APPLICATIONS)	ASPHALT CONCRETE SURFACE COURSE 12.5 MM, TYPE A (447), AS PER PLAN, PG76-22M	1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, 12.5 MM, TYPE A (448)	ANTI-SEGREGATION EQUIPMENT	10" NON-REINFORCED CONCRETE PAVEMENT CLASS QC-1P WITH QC/QA	CURB, TYPE 4-C	CURB, TYPE 6	PAVEMENT PLANING, ASPHALT CONCRETE (T=1.5')	PROOF ROLLING (1 HOUR/2000 SY)	CEMENT (0.75 X T X 115 X 0.09) LBS/SY	CURING COAT	CEMENT STABILIZED SUBGRADE, 14" DEEP													
<b>RAMP S-E (I-77) BL</b>																																									
<b>FULL DEPTH LANES</b>																																									
336+00.00	342+69.52	LT	669.52	16.00	1.0129	10850.51									234.42	200.94	132.62	50.23	58.61	108.84							0.603	36.39	1205.61	1205.61											
342+69.52	344+69.52	LT	200.00	16.00	1.0065	3220.80									69.59	59.64	39.37	14.91	17.40	32.31							0.179	10.80	357.87	357.87											
344+69.52	345+70.00	LT	100.48	16.00		1607.68									34.73	29.77	19.65	7.44	8.68	16.12							0.089	5.39	178.63	178.63											
345+70.00	347+00.00	LT	130.00	34.20		4446.00									96.06	82.33	54.34	20.58	24.01	44.59							0.247	14.91	494.00	494.00											
<b>FULL DEPTH SHOULDER</b>																																									
336+00.00	336+05.00	LT/IN	5.00	11.99	1.0355	62.05			1.74						1.38	1.24	0.77	0.29	0.34	0.63							0.004	0.23	7.77	7.77											
336+05.00	342+69.52	LT/IN	664.52	12.00	1.0355	8257.33			231.52						183.40	164.70	102.34	38.23	44.60	82.83							0.517	31.19	1033.24	1033.24											
342+69.52	342+97.40	LT/IN	27.88	12.00	1.0178	340.52			9.50						7.56	6.79	4.22	1.58	1.84	3.42							0.021	1.29	42.59	42.59											
345+70.00	346+12.48	LT/IN	42.48	0.85		36.11									0.78	1.85	0.44	0.17	0.20	0.37							0.006	0.33	11.09	11.09											
346+12.48	347+00.00	LT/IN	87.52	0.00		0.00									0.00	2.43	0.00	0.00	0.00	0.00					42.48		0.007	0.44	14.59	14.59											
336+00.00	336+53.42	RT/OUT	53.42	11.07	0.9911	586.10			17.49						13.04	11.74	7.27	2.71	3.17	5.88							0.037	2.23	73.87	73.87											
336+53.42	342+69.52	RT/OUT	616.10	10.00	0.9919	6111.10			202.06						136.40	123.46	75.93	28.29	33.01	61.30							0.390	23.55	780.04	780.04											
342+69.52	343+23.44	RT/OUT	53.92	10.00	0.9960	537.04			17.83						11.99	10.85	6.67	2.49	2.90	5.39							0.034	2.07	68.58	68.58											
343+23.44	343+41.79	RT/OUT	18.35	10.00	0.9960	182.77									3.95	3.89	2.23	0.85	0.99	1.84							0.012	0.70	23.34	23.34											
343+41.79	344+69.52	RT/OUT	127.73	10.00	0.9960	1272.19			42.23	63.35	73.91			211.16	34.33	30.79	19.16	5.89	8.35	14.24	18.35						0.092	5.58	184.76	184.76											
344+69.52	345+02.48	RT/OUT	32.96	10.00		329.60			10.99	16.48	19.23			54.93	8.90	7.99	4.97	1.53	2.17	3.70							0.024	1.45	47.91	47.91											
345+02.48	345+14.23	RT/OUT	11.75	10.00		117.50			3.92		6.85				2.62	2.38	1.46	0.54	0.63	1.17							0.008	0.45	15.01	15.01											
345+14.23	345+70.00	RT/OUT	55.77	8.89		495.52			18.59	8.89	32.53				11.11	10.12	6.17	2.29	2.68	4.97							0.032	1.94	64.35	64.35											
345+70.00	346+50.06	RT/OUT	80.06	6.17		493.97			26.69		46.70				11.25	10.51	6.20	2.29	2.67	4.96							0.034	2.06	68.23	68.23											
346+50.06	347+00.00	RT/OUT	49.94	3.57		178.29					74.91				3.85	4.69	2.18	0.83	0.96	1.79					49.94		0.014	0.85	28.13	28.13											
<b>RAMP S-W (I-77) BL</b>																																									
<b>FULL DEPTH LANES</b>																																									
224+14.63	226+14.63	LT	200.00	16.00	1.0028	3208.96									69.33	59.43	39.22	14.86	17.33	32.19							0.178	10.76	356.55	356.55											
226+14.63	228+90.53	LT	275.90	16.00	1.0056	4439.12									95.91	82.21	54.26	20.55	23.98	44.53							0.247	14.89	493.24	493.24											
228+90.53	230+18.15	LT	127.62	16.00	1.0098	2061.93									44.55	38.18	25.20	9.55	11.14	20.69							0.115	6.92	229.10	229.10											
<b>FULL DEPTH SHOULDER</b>																																									
226+62.50	226+64.52	CADD						8.22		0.67		1.18			3.03	0.19	0.19	0.10	0.04	0.04	0.08							0.001	0.04	1.25	1.25										
226+64.52	228+90.53	LT/OUT	226.01	8.00	1.0140	1833.39			76.60		134.05			344.71	41.27	37.85	22.88	8.49	9.90	18.39							0.121	7.31	242.01	242.01											
228+90.53	229+91.64	LT/OUT	101.11	8.00	1.0244	828.62			34.69		60.71			156.11	18.65	17.11	10.34	3.84	4.48	8.32							0.055	3.30	109.41	109.41											
229+91.64	230+18.15	LT/OUT	26.51	6.68	1.0236	181.13			9.08		15.89			40.87	4.11	3.82	2.27	0.84	0.98	1.82							0.012	0.74	24.67	24.67											
224+14.63	225+54.00	RT/IN	139.37	4.00	0.9993	557.09			46.39		81.19			208.76	13.04	12.68	7.09	2.58	3.01	5.59							0.043	2.57	85.09	85.09											
225+54.00	226+04.00	RT/IN	50.00	5.00	0.9991	249.78			16.64		29.12			74.87	5.76	5.47	3.15	1.16	1.35	2.51							0.018	1.09	36.07	36.07											
226+04.00	226+14.63	RT/IN	10.63	6.00	0.9990	63.72					15.91			15.91	1.38	1.47	0.78	0.30	0.34	0.64					10.61		0.004	0.27	8.85	8.85											
226+14.63	228+49.08	RT/IN	234.45	6.00	0.9979	1403.75					350.20			350.20	30.33	32.48	17.16	6.50	7.58	14.08	233.47						0.097	5.88	194.88	194.88											
228+49.08	228+90.53	RT/IN	41.45	6.00	0.9979	248.18			13.76		24.08			61.91	5.66	5.30	3.12	1.15	1.34	2.49							0.017	1.04	34.45	34.45											
228+90.53	230+02.65	RT/IN	112.12	6.00	0.9963	670.23			37.10		64.93			166.95	15.28	14.30	8.42	3.10	3.62	6.72							0.047	2.81	93.02	93.02											
230+02.65	230+18.15	RT/IN	15.50	5.69	0.9965	87.89			5.13		8.98			23.09	2.01	1.89	1.11	0.41	0.47	0.88							0.006	0.37	12.33	12.33											
<b>TOTALS CARRIED TO PAVEMENT SUBSUMMARY</b>															1213	1079	682	255	299	554	263	180	4	200	6621	6621															

PAVEMENT CALCULATIONS



STATION		SIDE	LENGTH (L) FT	AVERAGE WIDTH (W) FT	CURVE CORRECTION RATIO	EDGE EXT. CURVE CORRECTION RATIO	SURFACE AREA (A=LxW) SF	CADD AREA SF	AREA FOR 4" EXTENSION SF	AREA FOR 6" EXTENSION SF	AREA FOR 7" EXTENSION SF	AREA FOR 12" EXTENSION SF	AREA FOR 18" EXTENSION SF	AREA FOR 20" EXTENSION SF	302	304	407	442	442	442	452	609	254	204	206	206	206	CALCULATED BY	CHECKED BY																	
FROM	TO														7" ASPHALT CONCRETE BASE, PG64-22 (448) CY	6" AGGREGATE BASE CY	NON-TRACKING TACK COAT (0.055 GAL/SY - 2 APPLICATIONS) GAL	ASPHALT CONCRETE SURFACE COURSE 12.5 MM TYPE A (447), AS PER PLAN, PG76-22M CY	1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, 12.5 MM, TYPE A (446) CY	ANTI-SEGREGATION EQUIPMENT CY	10" NON-REINFORCED CONCRETE PAVEMENT CLASS QC-1P WITH QC/QA SY	CURB, TYPE 4-C FT	PAVEMENT PLANING, ASPHALT CONCRETE (T=1.5') SY	PROOF ROLLING (1 HOUR/2000 SY) HOUR	CEMENT (0.75 X T X 115 X 0.09) LBSY TON	CURING COAT SY	CEMENT STABILIZED SUBGRADE, 14" DEEP SY																			
<b>RAMP W-N (I-77) BL</b>																																														
<b>FULL DEPTH LANES</b>																																														
625+00.00	625+84.24	RT	84.24	12.00		1010.88									21.84	18.72	12.36	4.68	5.46	10.14																										
625+84.24	626+84.05	RT	99.81	12.93		1290.54									27.88	23.90	15.77	5.97	6.97	12.94																										
626+84.05	627+98.91	RT	114.86	14.93	1.0072	1727.21									37.32	31.99	21.11	8.00	9.33	17.33																										
627+98.91	629+84.05	RT	185.14	16.00	1.0077	2985.05									64.49	55.28	36.48	13.82	16.12	29.94																										
629+84.05	631+44.12	RT	160.07	16.00	1.0154	2600.56									56.18	48.16	31.78	12.04	14.05	26.09																										
631+44.12	631+73.96	CADD							250.37							5.41	4.64	3.06	1.16	1.35	2.51																									
631+73.96	634+99.60	SUSPEND AND RESUME EXISTING BRIDGE TO REMAIN																																												
634+99.60	635+06.36	CADD							54.06																																					
635+06.36	638+92.34	RT	385.98	16.00	1.0154	6270.79																																								
638+92.34	639+11.61	RT	19.27	16.00	1.0077	310.69																																								
639+11.61	639+69.85	RT	58.24	15.97	1.0077	936.96																																								
639+69.85	641+92.34	RT	222.49	15.94	1.0077	3573.80																																								
<b>FULL DEPTH SHOULDER</b>																																														
625+00.00	626+84.05	LT/IN	184.05	4.00		736.20		61.35		107.36		276.08			17.23	16.76	9.37	3.41	3.98	7.39																										
626+84.05	628+88.66	LT/IN	204.61	4.00	0.9981	816.88		67.94		118.90		305.75			19.12	18.59	10.40	3.78	4.41	8.19																										
628+88.66	629+84.05	LT/IN	95.39	5.92	0.9972	562.65		31.62		55.33		142.27			12.84	12.03	7.07	2.60	3.04	5.64																										
629+84.05	630+06.69	LT/IN	22.64	8.28	0.9921	185.98		7.43		13.00		33.42			4.18	3.82	2.32	0.86	1.00	1.86																										
630+06.69	630+47.42	LT/IN	40.73	9.55	0.9908	385.19						59.98			8.32	8.24	4.71	1.78	2.08	3.86		40.73																								
630+47.42	631+15.22	LT/IN	67.80	11.72	0.9888	785.38									16.97	14.54	9.60	3.64	4.24	7.88																										
631+15.22	631+44.12	CADD							192.63							4.16	3.57	2.35	0.89	1.04	1.93																									
631+44.12	634+93.15	SUSPEND AND RESUME EXISTING BRIDGE TO REMAIN																																												
634+93.15	634+99.60	CADD							48.04																																					
634+99.60	635+01.18	LT/IN	1.58	14.02	0.9865	21.85																																								
635+01.18	635+50.00	LT/IN	48.82	14.00	0.9866	674.32																																								
635+50.00	636+97.00	LT/IN	147.00	12.00	0.9885	1743.71																																								
636+97.00	637+02.50	LT/IN	5.50	9.00	0.9914	49.07																																								
637+02.50	638+92.34	LT/IN	189.84	8.00	0.9923	1507.03																																								
638+92.34	640+25.00	LT/IN	132.66	6.50	0.9969	859.62																																								
640+25.00	641+92.34	LT/IN	167.34	5.00	0.9976	834.69																																								
627+96.30	627+98.91	CADD							13.30			0.87		3.92		0.31	0.29				0.13																									
627+98.91	629+84.05	RT/OUT	185.14	10.00	1.0202	1888.80		63.26		110.70		284.65			42.17	38.20	23.47	8.74	10.20	18.94																										
629+84.05	630+64.64	RT/OUT	80.59	10.00	1.0403	838.38		28.20		49.36		126.92			18.72	16.96	10.42	3.88	4.53	8.41																										
630+64.64	631+73.27	RT/OUT	108.63	7.83	1.0382	883.06		37.87		66.27		170.41			19.90	18.28	11.02	4.09	4.77	8.86																										
631+73.27	631+73.96	RT/OUT	0.69	5.64	1.0361	4.03									1.08	0.09	0.05	0.02	0.02	0.04		0.72																								
631+73.96	631+82.79	CADD							25.26							0.55	0.72	0.31	0.12	0.14	0.26		9.25																							
631+82.79	635+06.36	SUSPEND AND RESUME EXISTING BRIDGE TO REMAIN																																												
635+06.36	635+08.05	CADD							3.62																																					
635+08.05	635+47.23	RT/OUT	39.18	8.09	1.0385	328.97																																								
635+47.23	637+50.00	RT/OUT	202.77	12.00	1.0422	2535.92																																								
637+50.00	637+94.08	RT/OUT	44.08	11.00	1.0413	504.91																																								
637+94.08	638+92.34	RT/OUT	98.26	10.00	1.0403	1022.20																																								
638+92.34	639+11.61	RT/OUT	19.27	10.00	1.0202	196.59																																								
639+11.61	639+14.10	CADD							13.01																																					
<b>TOTALS CARRIED TO PAVEMENT SUBSUMMARY</b>															378	335	475	180	93	173	51	2388	2	63	2067	2067																				

PAVEMENT CALCULATIONS

CUY- 490-0.00

STATION		SIDE	LENGTH (L) FT	AVERAGE WIDTH (W) FT	CURVE CORRECTION RATIO	EDGE EXT. CURVE CORRECTION RATIO	SURFACE AREA (A=LxW) SF	CADD AREA SF	AREA FOR 4" EXTENSION SF	AREA FOR 6" EXTENSION SF	AREA FOR 7" EXTENSION SF	AREA FOR 12" EXTENSION SF	AREA FOR 18" EXTENSION SF	AREA FOR 20" EXTENSION SF	302	304	407	442	442	442	452	609	609	204	206	206	206				
FROM	TO														7" ASPHALT CONCRETE BASE, PG64-22 (448) CY	6" AGGREGATE BASE CY	NON-TRACKING TACK COAT (0.055 GALS/SY - 2 APPLICATIONS) GAL	ASPHALT CONCRETE SURFACE COURSE 12.5 MM TYPE A (447), AS PER PLAN, PG76-22M CY	1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, 12.5 MM, TYPE A (446) CY	ANTI-SEGREGATION EQUIPMENT CY	10" NON-REINFORCED CONCRETE PAVEMENT CLASS QC-1P WITH QC/QA SY	CURB, TYPE 4-C FT	CURB, TYPE 6 FT	PROOF ROLLING (1 HOUR/2000 SY) HOUR	CEMENT (0.75 X T X 115 X 0.09) LBS/SY TON	CURING COAT SY	CEMENT STABILIZED SUBGRADE, 14" DEEP SY				
<b>RAMP W-S (I-77) BL</b>																															
<b>FULL DEPTH LANES</b>																															
520+97.52	521+19.22						263.99								5.70	4.89		3.23	1.22	1.43	2.65										
521+19.22	525+00.00	LT	380.78	24.00	1.0052	9186.24								198.47	170.12		112.28	42.53	49.62	92.15							0.015	0.89	29.33	29.33	
525+00.00	525+28.74	LT	28.74	12.00	1.0026	345.78								7.47	6.40		4.23	1.60	1.87	3.47							0.019	1.16	38.42	38.42	
525+28.74	525+83.53	LT	54.79	12.00	1.0045	660.44								14.27	12.23		8.07	3.06	3.57	6.63							0.037	2.22	73.38	73.38	
525+83.53	527+62.72	LT	179.19	13.71	1.0051	2469.22								53.35	45.73		30.18	11.43	13.34	24.77							0.137	8.28	274.36	274.36	
527+62.72	527+92.98	LT	30.26	15.71	1.0082	479.28								10.35	8.88		5.86	2.22	2.59	4.81							0.027	1.61	53.25	53.25	
527+92.98	528+83.00	LT	90.02	16.00	1.0084	1452.42								31.38	26.90		17.75	6.72	7.84	14.56							0.081	4.87	161.38	161.38	
<b>FULL DEPTH SHOULDER</b>																															
521+81.23	521+85.00						14.31	1.26		2.20			5.65	0.34	0.33		0.18	0.07	0.08	0.15								0.001	0.07	2.22	2.22
521+85.00	525+00.00	LT/IN	315.00	4.00	1.0113	1274.24			106.28	185.99			478.26	29.83	29.01		16.22	5.90	6.88	12.78								0.097	5.88	194.72	194.72
527+92.98	528+77.46	LT/IN	84.48	10.00	1.0220	863.39			28.93	50.62			130.17	19.28	17.46		10.73	4.00	4.66	8.66								0.055	3.33	110.40	110.40
528+77.46	528+83.00	LT/IN	5.54	10.56	1.0223	59.78			1.90	3.32			8.54	1.33	1.20		0.74	0.28	0.32	0.60								0.004	0.23	7.59	7.59
521+19.22	521+30.10						63.99							1.38	1.19		0.78	0.30	0.35	0.65								0.004	0.21	7.11	7.11
521+30.10	521+55.75	RT/OUT	25.65	11.77	0.9974	301.12							38.28	6.51	6.29		3.68	1.39	1.63	3.02		25.52					0.019	1.14	37.71	37.71	
521+55.75	521+78.33	RT/OUT	22.58	11.32	0.9975	254.89							33.70	5.51	5.34		3.12	1.18	1.38	2.56		22.47					0.016	0.97	32.07	32.07	
521+78.33	522+00.00	RT/OUT	21.67	10.43	0.9977	225.53		7.19		12.58			32.36	5.03	4.54		2.80	1.04	1.22	2.26							0.014	0.86	28.65	28.65	
522+00.00	525+00.00	RT/OUT	300.00	10.00	0.9978	2993.40		99.56		174.23			448.02	66.82	60.50		37.19	13.86	16.17	30.03							0.191	11.54	382.38	382.38	
525+00.00	525+28.74	RT/OUT	28.74	10.00	0.9978	286.77		9.54		16.69			42.92	6.40	5.80		3.56	1.33	1.55	2.88							0.018	1.11	36.63	36.63	
525+28.74	527+62.72	RT/OUT	233.98	10.00	0.9963	2331.14		77.42		135.48			348.37	52.04	47.11		28.96	10.79	12.59	23.38							0.149	8.99	297.72	297.72	
527+62.72	528+62.20	RT/OUT	99.48	10.00	0.9948	989.63		32.81		57.42			147.65	22.09	20.00		12.30	4.58	5.35	9.93							0.063	3.81	126.36	126.36	
528+62.20	528+83.00	RT/OUT	20.80	10.42	0.9945	215.44		6.86		12.00			30.86	4.80	4.34		2.68	1.00	1.16	2.16							0.014	0.83	27.37	27.37	
<b>W. 7TH STREET CL</b>																															
<b>FULL DEPTH LANE</b>																															
12+86.12	13+22.92	LT	36.80	12.00		441.60																									
13+22.92	14+45.00	LT	122.08	12.00	1.0188	1492.50																						0.025	1.48	49.07	49.07
14+45.00	14+48.31						36.51																					0.002	0.12	4.06	4.06
<b>FULL DEPTH SHOULDER</b>																															
12+86.12	13+22.92	LT/OUT	36.80	4.00		147.20							55.20		3.75					16.36		36.80					0.011	0.68	22.49	22.49	
13+22.92	13+82.36	LT/OUT	59.44	4.00	1.0272	244.23							91.77		6.22					27.14		61.18					0.019	1.13	37.33	37.33	
13+82.36	14+45.00	LT/OUT	62.64	6.09	1.0283	391.95							96.92		9.05					43.55		64.61					0.027	1.64	54.32	54.32	
14+45.00	14+48.77						30.30						0.00		0.56					3.37		3.97					0.002	0.10	3.37	3.37	
<b>TOTALS CARRIED TO PAVEMENT SUBSUMMARY</b>															543	535		305	115	134	249	310	48	167				2	99	3279	3279

CALCULATED BY: \_\_\_\_\_  
CHECKED BY: \_\_\_\_\_

**PAVEMENT CALCULATIONS**

**CUY-490-0.00**



STATION		SIDE	LENGTH (L) FT	AVERAGE WIDTH (W) FT	CURVE CORRECTION RATIO	EDGE EXT. CURVE CORRECTION RATIO	SURFACE AREA (A=LxW) SF	CADD AREA SF													209	441	CALCULATED BY	CHECKED BY																			
FROM	TO																				STA	CY																					
<b>PAVING UNDER GUARDRAIL</b>																																											
<b>WESTBOUND I-490 CL</b>																																											
943+00.00	948+00.00	LT	500.00	5.00	0.9886		2471.50																																				
963+75.00	964+68.90	LT	93.90	5.00	1.0005		469.73																																				
964+68.90	965+78.46	LT	109.56	5.00	1.0186		557.99																																				
976+46.59	979+78.79	LT	332.20	5.00	0.9880		1641.07																																				
979+78.79	981+53.10	LT	174.31	5.00	0.9761		850.72																																				
982+03.26	983+53.47	LT	150.21	5.00	0.9761		733.10																																				
983+53.47	983+63.47	LT	10.00	5.00	0.9880		49.40																																				
1026+25.16	1027+93.70	LT	168.54	5.00	1.0068		848.43																																				
1032+75.00	1035+00.00	LT	225.00	5.00			1125.00																																				
<b>WESTBOUND I-490 BL</b>																																											
3035+00.00	3035+62.50	LT	62.50	5.00			312.50																																				
3035+62.50	3036+52.21	LT	90.63			CADD		1026.20																																			
3041+87.50	3043+00.00	LT	112.50	5.00			562.50																																				
3043+00.00	3043+12.47	LT	12.47	5.00	1.0028		62.52																																				
3043+12.47	3044+01.91	LT	90.62			CADD		1029.13																																			
3045+05.00	3045+17.89	RT	12.89	5.00	0.9950		64.13																																				
3045+17.89	3046+86.29	RT	168.40	5.00			842.00																																				
<b>EASTBOUND I-490 CL</b>																																											
939+11.20	940+05.22	RT	94.02	5.00			470.10																																				
945+59.41	948+49.46	RT	290.05	5.00	1.0155		1472.73																																				
949+27.46	951+37.42	RT	209.96	5.00	1.0155		1066.07																																				
958+00.00	962+17.51	RT	417.51	5.00			2087.55																																				
962+17.51	965+50.00	RT	332.49	5.00	0.9806		1630.20																																				
965+50.00	967+84.10	RT	234.10	5.00	0.9814		1148.73																																				
967+84.10	975+78.77	RT	794.67	5.00			3973.35																																				
975+78.77	976+00.00	RT	21.23	5.00	0.9873		104.80																																				
976+00.00	976+24.72	RT	24.72	5.00	0.9874		122.04																																				
980+31.13	980+59.02	RT	27.89	5.00	1.0320		143.91																																				
980+59.02	981+34.46	RT	75.44	5.00	1.0317		389.16																																				
981+86.86	983+54.13	RT	167.27	5.00	1.0305		861.86																																				
983+54.13	985+63.99	RT	209.86	5.00	1.0144		1064.41																																				
1029+29.36	1030+87.13	RT	157.77	5.00	0.9935		783.72																																				
1030+87.13	1035+00.00	RT	412.87	5.00			2064.35																																				
<b>TOTALS CARRIED TO PAVEMENT SUBSUMMARY</b>																				<b>58</b>	<b>278</b>																						

**PAVEMENT CALCULATIONS**

**CUY- 490-0.00**

STATION		SIDE	LENGTH (L) FT	AVERAGE WIDTH (W) FT	CURVE CORRECTION RATIO	EDGE EXT. CURVE CORRECTION RATIO	SURFACE AREA (A=LxW) SF	CADD AREA SF													209 RESHAPING UNDER GUARDRAIL, AS PER PLAN STA	441 3" ASPHALT CONCRETE INTERMEDIATE COURSE TYPE 1 (449), (UNDER GUARDRAIL), AS PER PLAN CY																			CALCULATED BY:	CHECKED BY:																	
FROM	TO																																								FROM	TO	FROM	TO	FROM	TO	FROM	TO	FROM	TO	FROM	TO	FROM	TO	FROM	TO	FROM	TO	FROM
<b>PAVING UNDER GUARDRAIL CONTD.</b>																																																											
<b>EASTBOUND I-490 BL</b>																																																											
2035+00.00	2035+88.05	RT	88.05	5.00	0.9936		437.43														0.87	4.02																																					
2041+43.31	2044+12.48	RT	269.17	5.00	1.0024		1349.08														2.70	12.52																																					
<b>RAMP E-S (I-71) BL</b>																																																											
3047+25.46	3048+92.42	LT/OUT	166.96	5.00	1.0077		841.23														1.68	7.85																																					
3048+92.42	3049+09.37	LT/OUT	16.95	5.00	1.0050		85.17														0.17	0.79																																					
3049+87.03	3050+30.81	LT/OUT	43.78	5.00	1.0062		220.26														0.44	2.05																																					
3050+30.81	3050+79.24	LT/OUT	48.43	5.00	1.0065		243.72														0.49	2.27																																					
3050+79.24	3052+55.57	LT/OUT	176.33	5.00			881.65														1.76	8.16																																					
3048+04.43	3048+92.42	RT/IN	87.99	5.00	0.9688		426.22														0.85	3.82																																					
3048+92.42	3050+79.24	RT/IN	186.82	5.00	0.9842		919.34														1.84	8.38																																					
3050+79.24	3053+16.33	RT/IN	237.09	5.00			1185.45														2.37	10.98																																					
3053+16.33	3056+31.68	RT/IN	315.35	5.00	1.0106		1593.46														3.19	14.91																																					
3056+31.68	3057+13.09	RT/IN	81.41	5.00			407.05														0.81	3.77																																					
<b>RAMP S-E (I-71) BL</b>																																																											
2049+00.00	2049+19.91	LT/IN	19.91	5.00	1.0399		103.52														0.21	1.00																																					
2049+19.91	2049+36.72	LT/IN	16.81	5.00	1.0195		85.69														0.17	0.81																																					
2049+36.72	2051+22.48	LT/IN	185.76	5.00	1.0192		946.63														1.89	8.93																																					
2052+23.81	2053+91.73	RT/OUT	167.92	5.00	0.9937		834.31														1.67	7.68																																					
2053+91.73	2054+31.00	RT/OUT	39.27	5.00			196.35														0.39	1.82																																					
2054+79.00	2058+00.00	RT/OUT	321.00	5.00			1605.00														3.21	14.86																																					
<b>RAMP 7-7C BL</b>																																																											
68+37.92	69+45.01	LT/IN	141.41	CADD				638.87														1.41	5.92																																				
69+45.01	70+06.56	LT/IN	61.55	5.00			307.75														0.62	2.85																																					
70+06.56	73+06.56	LT/IN	300.00	5.00	1.0750		1612.50														3.23	16.05																																					
73+06.56	77+08.06	LT/IN	401.50	5.00	1.0919		2191.99														4.38	22.16																																					
<b>RAMP C-7 BL</b>																																																											
82+22.18	85+57.35	RT/IN	335.17	5.00			1675.85														3.35	15.52																																					
<b>RAMP B-C BL</b>																																																											
14+97.59	15+32.54	LT/OUT	34.95	5.00	0.9932		173.56														0.35	1.60																																					
15+32.54	15+42.69	LT/OUT	10.15	5.00	0.9864		50.06														0.10	0.46																																					
15+42.69	15+61.55	LT/OUT	18.86	5.00	0.9859		92.97														0.19	0.85																																					
15+61.55	16+25.72	LT/OUT	64.17	5.00	0.9853		316.13														0.63	2.88																																					
17+71.99	18+15.00	RT/IN	46.06	CADD				230.91														0.46	2.14																																				
<b>RAMP C-B BL</b>																																																											
14+50.41	15+19.03	LT/IN	68.62	5.00			343.10														0.69	3.18																																					
14+90.50	16+13.49	RT/OUT	122.99	5.00			614.95														1.23	5.69																																					
<b>TOTALS CARRIED TO PAVEMENT SUBSUMMARY</b>																																								<b>42</b>	<b>194</b>																		

PAVEMENT CALCULATIONS

CUY- 490-0.00

STATION		SIDE	LENGTH (L) FT	AVERAGE WIDTH (W) FT	CURVE CORRECTION RATIO	EDGE EXT. CURVE CORRECTION RATIO	SURFACE AREA (A=LxW) SF	CADD AREA SF														209	441	CALCULATED BY	CHECKED BY																							
FROM	TO																					STA	CY																									
<b>PAVING UNDER GUARDRAIL CONTD.</b>																																																
<b>RAMP E-N (I-77) BL</b>																																																
	729+60.55		732+20.83	LT/OUT	260.28	5.00																2.60	12.05																									
	742+40.07		743+99.26	LT/OUT	159.19	5.00																1.59	7.37																									
	743+99.26		744+96.66	LT/OUT	97.40	5.00	0.9978															0.97	4.49																									
	729+14.74		732+49.90	RT/IN	335.16	5.00																3.35	15.52																									
	742+76.34		743+99.26	RT/IN	122.92	5.00																1.23	5.69																									
	743+99.26		745+07.16	RT/IN	107.90	5.00	1.0053															1.08	5.05																									
<b>RAMP E-S (I-77) BL</b>																																																
	835+77.24		837+43.44	LT/OUT	166.20	5.00	1.0788															1.79	8.95																									
	837+43.44		837+59.70	LT/OUT	16.26	5.00	1.0612															0.17	0.85																									
	837+59.70		837+61.18	LT/OUT	1.48	5.00	1.0306															0.02	0.07																									
	836+47.49		836+49.40	RT/IN	1.91	5.00	0.9747															0.02	0.08																									
	836+49.40		837+59.70	RT/IN	110.30	5.00	0.9749															1.08	4.85																									
	837+59.70		840+59.70	RT/IN	300.00	5.00	0.9905															2.97	13.63																									
	840+59.70		841+35.20	RT/IN	75.50	5.00																0.76	3.50																									
<b>RAMP N-E (I-77) BL</b>																																																
	437+35.71		438+80.00	LT/IN	144.29	5.00	0.9955															1.44	6.62																									
	438+80.00		440+30.00	LT/IN	150.00	5.00	0.9934															1.49	6.85																									
	440+30.00		440+77.67	LT/IN	47.67	5.00	0.9913															0.47	2.17																									
	440+77.67		442+50.00	LT/IN	172.33	5.00	0.9965															1.72	7.92																									
	442+50.00		442+77.67	LT/IN	27.67	5.00	0.9957															0.28	1.27																									
	442+77.67		443+22.87	LT/IN	45.20	5.00																0.45	2.09																									
<b>RAMP N-W (I-77) BL</b>																																																
	120+07.04		124+65.73	LT/OUT	458.69	5.00																4.59	21.24																									
	124+65.73		125+60.17	LT/OUT	94.44	5.00	0.9880															0.93	4.27																									
	123+02.56		124+14.63	RT/IN	112.07	5.00																1.12	5.19																									
<b>RAMP S-E (I-77) BL</b>																																																
	340+80.75		342+69.52	RT/OUT	188.77	5.00	0.9798															1.85	8.39																									
	342+69.52		343+41.79	RT/OUT	72.27	5.00	0.9919															0.72	3.29																									
<b>TOTALS CARRIED TO PAVEMENT SUBSUMMARY</b>																																										33	152					

**PAVEMENT CALCULATIONS**

**CUY-490-0.00**

STATION		SIDE	LENGTH (L) FT	AVERAGE WIDTH (W) FT	CURVE CORRECTION RATIO	EDGE EXT. CURVE CORRECTION RATIO	SURFACE AREA (A=LxW) SF	CADD AREA SF													209 RESHAPING UNDER GUARDRAIL, AS PER PLAN STA	441 3" ASPHALT CONCRETE INTERMEDIATE COURSE TYPE 1, (449), (UNDER GUARDRAIL), AS PER PLAN CY	CALCULATED BY	CHECKED BY																					
FROM	TO																						FT	FT	SF	SF																			
PAVING UNDER GUARDRAIL CONTD.																																													
RAMP S-W (I-77) BL																																													
224+14.63	225+54.00	RT/IN	139.37	5.00	0.9977	695.25															1.39	6.42																							
225+54.00	226+04.00	RT/IN	50.00	5.00	0.9974	249.35															0.50	2.30																							
226+04.00	226+14.63	RT/IN	10.63	5.00	0.9970	52.99															0.11	0.49																							
226+14.63	228+90.53	RT/IN	275.90	5.00	0.9941	1371.36															2.74	12.62																							
228+90.53	230+02.65	RT/IN	112.12	5.00	0.9896	554.77															1.11	5.08																							
230+02.65	230+18.15	RT/IN	15.50	5.00	0.9900	76.73															0.15	0.70																							
RAMP W-N (I-77) BL																																													
628+21.02	629+84.05	LT/IN	163.03	5.00	0.9938	810.10															1.62	7.45																							
629+84.05	630+47.42	LT/IN	63.37	5.00	0.9776	309.75															0.62	2.80																							
629+70.37	629+84.05	RT/OUT	13.68	5.00	1.0274	70.27															0.14	0.67																							
629+84.05	630+64.64	RT/OUT	80.59	5.00	1.0547	424.99															0.85	4.15																							
630+64.64	631+94.49	RT/OUT	129.85	5.00	1.0501	681.78															1.36	6.63																							
RAMP W-S (I-77) BL																																													
521+30.10	521+55.75	RT/OUT	25.65	5.00	0.9938	127.45															0.25	1.17																							
521+55.75	522+00.00	RT/OUT	44.25	5.00	0.9942	219.97															0.44	2.02																							
522+00.00	522+41.11	RT/OUT	41.11	5.00	0.9945	204.42															0.41	1.88																							
TOTALS CARRIED TO PAVEMENT SUBSUMMARY																																													
																							12	55																					

PAVEMENT CALCULATIONS

CUY-490-0.00



STATION		SIDE	LENGTH (L) FT	AVERAGE WIDTH (W) FT	CURVE CORRECTION RATIO	EDGE EXT. CURVE CORRECTION RATIO	SURFACE AREA (A=LxW) SF	CADD AREA SF																			CALCULATED BY	CHECKED BY													
FROM	TO																																								
<b>SHOULDER PREPARATION/COMPACTED AGGREGATE CONTD.</b>																																									
<b>RAMP E-N (I-77) (CONTD.)</b>																																									
739+00.00	739+73.67	RT/OUT	73.67	5.00	0.9825	361.90												408		617	617	617																			
739+73.67	740+26.99	RT/OUT	53.32	5.00		266.60																																			
745+50.00	746+47.57	RT/OUT	97.57	5.00	0.9978	486.78																																			
<b>RAMP N-E (I-77)</b>																																									
438+00.00	440+00.00	RT/OUT	200.00	5.00	0.9801	980.10																																			
440+00.00	440+77.67	RT/OUT	77.67	5.00	0.9822	381.44																																			
440+77.67	441+50.00	RT/OUT	72.33	5.00		361.65																																			
<b>RAMP N-W (I-77)</b>																																									
120+50.00	121+50.00	LT/IN	100.00	5.00		500.00																																			
121+50.00	122+98.85	LT/IN	148.85	2.00		297.70																																			
126+61.20	127+15.73	LT/IN	54.53	5.00		272.65																																			
127+15.73	127+50.00	LT/IN	34.27	5.00	1.0432	178.75																																			
127+50.00	128+50.00	LT/IN	100.00	2.00	1.0403	208.06																																			
128+50.00	130+85.59	LT/IN	235.59	2.00	1.0403	490.17																																			
130+85.59	131+37.76	LT/IN	52.17	5.00	1.0452	272.64																																			
129+00.00	131+00.00	RT/OUT	200.00	5.00	0.9760	976.00																																			
<b>RAMP S-E (I-77)</b>																																									
336+50.00	340+00.00	LT/IN	350.00	5.00	1.0492	1836.10																																			
340+00.00	340+80.75	LT/IN	80.75	2.00	1.0468	169.06																																			
345+02.47	347+00.00	LT/IN	197.53	2.00		395.06																																			
336+50.00	336+53.43	RT/OUT	3.43	5.00	0.9781	16.77																																			
336+53.43	341+50.00	RT/OUT	496.57	5.00	0.9798	2432.70																																			
342+00.00	342+69.52	RT/OUT	69.52	5.00	0.9798	340.58																																			
342+69.52	342+97.40	RT/OUT	27.88	5.00		139.40																																			
<b>RAMP W-N (I-77)</b>																																									
625+00.00	625+50.00	LT/IN	50.00	5.00		250.00																																			
625+50.00	627+50.00	LT/IN	200.00	2.00		400.00																																			
628+00.00	628+21.02	LT/IN	21.02	2.00		42.04																																			
628+50.00	629+70.34	RT/OUT	120.34	5.00		601.70																																			
<b>RAMP W-S (I-77)</b>																																									
521+81.23	522+50.00	LT/IN	68.77	5.00	1.0133	348.42																																			
522+50.00	524+00.00	LT/IN	150.00	2.00	1.0127	303.81																																			
524+00.00	525+00.00	LT/IN	100.00	5.00	1.0133	506.65																																			
522+40.19	525+28.74	RT/OUT	288.55	5.00	0.9945	1434.81																																			
525+28.74	527+62.72	RT/OUT	233.98	5.00	0.9907	1159.02																																			
527+62.72	528+50.00	RT/OUT	87.28	5.00	0.9869	430.68																																			
<b>TOTALS CARRIED TO PAVEMENT SUBSUMMARY</b>														607		5	102	1872																							

PAVEMENT CALCULATIONS

CUY-490-0.00

STATION		SIDE	LENGTH (L) FT	AVERAGE WIDTH (W) FT	CURVE CORRECTION RATIO	EDGE EXT. CURVE CORRECTION RATIO	SURFACE AREA (A=LxW) SF	CADD AREA SF								RUMBLE STRIPS SHOULDER (ASPHALT CONCRETE) 618							ASPHALT CONCRETE SURFACE COURSE 12.5 MM TYPE A (447), AS PER PLAN, PG76-22M 442												CALCULATED BY	CHECKED BY												
FROM	TO																																								MILE		CY					
<b>RUMBLE STRIPS</b>																																																
<b>WESTBOUND I-490 CL</b>																																																
933+23.03	964+34.02	LT/OUT	3110.99													0.589																																
964+34.02	985+64.31	LT/OUT	2130.29													0.403																																
1020+43.75	1022+51.23	LT/OUT	207.48													0.039																																
1022+51.23	1023+49.97	STATION EQUATION																																														
1023+49.97	1035+00.00	LT/OUT	1150.03													0.218																																
933+23.03	985+65.38	LT/IN	5242.35													0.993																																
1020+65.71	1022+51.23	LT/IN	185.52													0.035																																
1022+51.23	1023+49.97	STATION EQUATION																																														
1023+49.97	1035+00.00	LT/IN	1150.03													0.218																																
<b>WESTBOUND I-490 BL</b>																																																
3035+00.00	3048+63.44	LT/OUT	1363.44													0.258																																
3035+00.00	3045+83.99	RT/IN	1083.99													0.205																																
<b>EASTBOUND I-490 CL</b>																																																
933+23.03	959+00.00	RT/OUT	2576.97													0.488																																
959+00.00	981+59.02	RT/OUT	2259.02													0.428																																
981+59.02	985+66.83	RT/OUT	407.81													0.077																																
1020+90.89	1022+51.23	RT/OUT	160.34													0.030																																
1022+51.23	1023+49.97	STATION EQUATION																																														
1023+49.97	1035+00.00	RT/OUT	1150.03													0.218																																
933+23.03	985+65.60	RT/IN	5242.57													0.993																																
1020+73.09	1022+51.23	RT/IN	178.14													0.034																																
1022+51.23	1023+49.97	STATION EQUATION																																														
1023+49.97	1035+00.00	RT/IN	1150.03													0.218																																
<b>EASTBOUND I-490 BL</b>																																																
2035+00.00	2038+50.84	LT/IN	350.84													0.066																																
2035+00.00	2038+49.33	RT/OUT	349.33													0.066																																
<b>BARRIER DEDUCTIONS</b>																																																
<b>WESTBOUND/EASTBOUND I-490 CL</b>																																																
933+23.03	985+65.44	LT/RT	5242.41	2.81				14731.17																																								
1020+67.19	1035+00.00	LT/RT	1432.81	2.81				4026.20																																								
<b>WESTBOUND I-490 BL</b>																																																
1035+00.00	1045+04.87	CTR	1004.87	2.81				2823.68																																								
<b>EASTBOUND I-490 BL</b>																																																
2036+24.84	2037+00.00	CTR	75.16	1.90				142.80																																								
<b>TOTALS CARRIED TO PAVEMENT SUBSUMMARY</b>															5.58																																	

STATION		SIDE	LENGTH (L) FT	AVERAGE WIDTH (W) FT	CURVE CORRECTION RATIO	EDGE EXT. CURVE CORRECTION RATIO	SURFACE AREA (A=LxW) SF	CADD AREA SF	EACH	AREA FOR 4" EXTENSION SF	AREA FOR 6" EXTENSION SF	AREA FOR 7" EXTENSION SF			302	304	407	442	442	601		622	622	622	622	622	622	622	622	
FROM	TO														7" ASPHALT CONCRETE BASE, PG64-22 (448) CY	6" AGGREGATE BASE CY	NON-TRACKING TACK COAT (0.055 GAL/SY - 2 APPLICATIONS) GAL	1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, 12.5 MM, TYPE A (446) CY	ANTI-SEGREGATION EQUIPMENT CY	CONCRETE SLOPE PROTECTION SY	CONCRETE BARRIER, SINGLE SLOPE, TYPE B1 FT	CONCRETE BARRIER, SINGLE SLOPE, TYPE C1 FT	CONCRETE BARRIER, SINGLE SLOPE, TYPE C1, AS PER PLAN FT	CONCRETE BARRIER END SECTION, TYPE B1 EACH	CONCRETE BARRIER END ANCHORAGE, REINFORCED, TYPE B1 EACH	CONCRETE BARRIER, END ANCHORAGE, REINFORCED, TYPE C1 EACH	CONCRETE BARRIER, END ANCHORAGE, REINFORCED, TYPE C1, AS PER PLAN EACH	BARRIER TRANSITION EACH		
<b>BARRIER</b>																														
<b>WESTBOUND/EASTBOUND I-490</b>																														
933+23.03	985+65.44	LT/RT	5242.41																											
1020+67.19	1022+51.23	LT/RT	184.04																											
1022+51.23	1023+49.97	LT/RT																												
1023+49.97	1035+00.00	LT/RT	1150.03																											
1035+00.00	1037+00.00	LT/RT	200.00																											
<b>WESTBOUND I-490 BL</b>																														
3037+00.00	3045+05.00	RT	805.00	2.70		2173.50			268.33	402.50	469.58			61.45	61.37	33.12	13.91	13.91												
<b>EASTBOUND I-490 CL</b>																														
940+05.22	945+59.41	RT/OUT	554.19	2.70	1.0152	1.0156	1519.06		187.61	281.42	328.32			42.95	42.90	23.15	9.72	9.72												
951+37.42	952+50.00	RT/OUT	112.58	2.70	1.0152	1.0156	308.59		38.11	57.17	66.70			8.73	8.71	4.70	1.98	1.98												
952+50.00	953+50.00	RT/OUT	100.00											11.37	9.74	6.43	2.84	2.84												
<b>DEDUCTIONS</b>																														
OVERHEAD SIGN FOUNDATIONS/HIGH MAST LIGHT			10.00																											
MEDIAN INLETS			20.00																											
LIGHT POLE FOUNDATION / PULLBOXES			8.00																											
END ANCHORAGES, TYPE B1			15.00																											
END ANCHORAGES, TYPE C1			15.00																											
END ANCHORAGES, TYPE C1, AS PER PLAN (8 TOTAL)			133.41																											
BARRIER TRANSITION			20.00																											
<b>CONCRETE SLOPE PROTECTION</b>																														
1037+00.22	1045+05.00	RT	804.78																											
<b>TOTALS CARRIED TO PAVEMENT SUBSUMMARY</b>														147	142	81	35	35	1457			720	4910	30	1	6	61	8	1	

PAVEMENT CALCULATIONS

CUY-490-0.00

CALCULATED BY: \_\_\_\_\_ CHECKED BY: \_\_\_\_\_



