

SHEET NO.	204*	PROOF ROLLING (1 HOUR/2000 SY)	206	CEMENT (0.75 X T X 115 X 0.05)	206	CURING COAT	206	CEMENT STABILIZED SUBGRADE, 14" DEEP	254	PAVEMENT PLANING, ASPHALT CONCRETE (T=1.5')	302	7" ASPHALT CONCRETE BASE, PG64- 22 (449)	304	4" AGGREGATE BASE	304	6" AGGREGATE BASE	407	NON-TRACKING TACK COAT (0.065 GAL/SY - 2 APPLICATIONS)	442	ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (447), AS PER PLAN, PG76-22M	442	1.34" ASPHALT CONCRETE INTERMEDIATE COURSE, 12.5 MM, TYPE A (446)	442	ANTI-SEGREGATION EQUIPMENT	452	10.5" NON-REINFORCED CONCRETE PAVEMENT, CLASS OC'P WITH OC/QA	609	CURB, TYPE 4-C	609	CURB, TYPE 6	CALCULATED BY	CHECKED NRB		
																																	HOUR	TON
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			5660			729						
10		2		76	2499	2499							406											2235				977						
11		3		157	5183	5183	1637			905			843				688			257	222	410			161		400	190						
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	141						
14		4		200	6621	6621				1213			1079				682			255	299	554					263	180						
15		2		63	2067	2067	2388			378			335				475			180	93	173					51							
16		2		99	3279	3279				543			535				305			115	134	249			310		48	167						
23																																		
24										147			142				81																	
25		-2		-64	-2111	-2111							25																					
<b>TOTALS CARRIED TO THE GENERAL SUMMARY</b>		<b>80</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	RESHAPING UNDER GUARDRAIL, AS PER PLAN	408	PRIME COAT, AS PER PLAN (0.4 GAL/SY)	441	3" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, (449), (UNDER GUARDRAIL), AS PER PLAN	601	CONCRETE SLOPE PROTECTION	609	4" CONCRETE TRAFFIC ISLAND	617	WATER (A*0.500)/1000	617	COMPACTED AGGREGATE, AS PER PLAN (T=2')	617	SHOULDER PREPARATION	618*	RUMBLE STRIPS, SHOULDER (ASPHALT CONCRETE), AS PER PLAN	622	CONCRETE BARRIER, SINGLE SLOPE, TYPE B1	622	CONCRETE BARRIER, SINGLE SLOPE, TYPE C1	622	CONCRETE BARRIER, SINGLE SLOPE, TYPE C1, AS PER PLAN	622	CONCRETE BARRIER END SECTION, TYPE B1	622	CONCRETE BARRIER, END ANCHORAGE, REINFORCED, TYPE B1	622	CONCRETE BARRIER, END ANCHORAGE, REINFORCED, TYPE C1	622	CONCRETE BARRIER, END ANCHORAGE, REINFORCED, TYPE C1, AS PER PLAN	622	BARRIER TRANSITION
	STA		GAL		CY	SY	SY	MGAL	CY	SY	MILE		FT	FT	FT	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	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	4930	30	1	6	61	8	34							
25								218																										
* QUANTITY CARRIED TO GENERAL NOTES																																		
<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>4930</b>	<b>30</b>	<b>1</b>	<b>6</b>	<b>61</b>	<b>8</b>	<b>34</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>

**PAVEMENT CALCULATIONS**

**CUY-490-0.00**

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

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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

CUY- 490-0.00

3  
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	204	206	206	206				
FROM	TO														7" ASPHALT CONCRETE BASE, PG64-22 (449) 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 INR: \_\_\_\_\_  
**PAVEMENT CALCULATIONS**  
**CUY - 490-0.00**  
5

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		
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	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>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								
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								
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								
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								
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								
3050+79.24	3051+96.21	RT	116.97	24.00		2807.28									60.65	51.99	34.31	13.00	15.16								
3051+96.21	3052+03.81	RT	7.60	24.00		182.40									3.94	3.38	2.23	0.84	0.99								
3052+03.81	3053+16.33	RT	112.52	24.00		2700.48									58.34	50.01	33.01	12.50	14.59								
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								
3056+31.68	3056+86.38	RT	54.70	24.00		1312.80									28.36	24.31	16.05	6.08	7.09								
3056+86.38	3058+37.94	RT	151.56	24.00		3637.44									78.59	67.36	44.46	16.84	19.65								
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								
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								
3063+32.61	3064+68.90	RT					3360.19								72.60	62.23	41.07	15.56	18.15								
<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								
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								
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								
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								
3042+04.50	3042+13.54	LT/OUT	9.04	4.88	1.0037	44.28			3.04						1.02	0.97	0.56	0.21	0.24								
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								
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								
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								
3049+09.37	3049+87.03	LT/OUT	77.66	8.17	1.0021	635.43			26.00						17.94	16.22	9.99	2.94	4.34								
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								
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								
3050+79.24	3051+96.21	LT/OUT	116.97	10.00		1169.70									25.27	24.91	14.30	5.42	6.32								
3051+96.21	3052+03.81	LT/OUT	7.60	10.00		76.00									1.64	1.62	0.93	0.35	0.41								
3052+03.81	3053+16.33	LT/OUT	112.52	10.00		1125.20									24.31	23.96	13.75	5.21	6.08								
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								
3056+31.68	3056+86.38	LT/OUT	54.70	10.00		547.00									11.82	11.65	6.69	2.53	2.95								
3056+86.38	3058+37.94	LT/OUT	151.56	10.00		1515.60									32.74	32.28	18.52	7.02	8.19								
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								
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								
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								
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								
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								
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								
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								
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	5	280	9248	9248		

**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	609	204	206	206	206													
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	CURB, TYPE 4-C	PROOF ROLLING (1 HOUR/2000 SY)	CEMENT (0.75 X T X 115 X 0.09) LBSY	CURING COAT	CEMENT STABILIZED SUBGRADE, 14" DEEP													
FROM	TO		FT	FT		SF	SF	SF	SF	SF	SF	SF	SF	SF	CY	CY	GAL	CY	CY	CY	FT	HOUR	TON	SY	SY													
<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	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	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	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	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	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	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	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	72.49									1.57	1.85		0.89	0.34	0.39	0.73																	
2051+22.48	2051+91.73	LT/IN	69.25	4.00	1.0141	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	237.31			23.45	35.17	41.03				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	158.36							14.48		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	158.17							14.64		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	4321.72							402.59		93.37	87.49		52.82	20.01	23.34	43.35	271.82																
2051+91.73	2052+00.00	RT/OUT	8.27	16.00	0.9969	131.91							12.33		2.85	2.67		1.61	0.61	0.71	1.32																	
2052+00.00	2053+00.00	RT/OUT	100.00	14.00	0.9973	1396.22							149.18		30.17	28.62		17.06	6.46	7.54	14.00	100.00																
2053+00.00	2053+91.73	RT/OUT	91.73	12.00	0.9976	1098.12							136.95		23.72	22.87		13.42	5.08	5.93	11.01	91.73																
2053+91.73	2054+31.00	RT/OUT	39.27	12.00		471.24							58.90		10.18	9.82		5.76	2.18	2.55	4.73	39.27																
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	48.00																
2054+79.00	2058+00.00	RT/OUT	321.00	12.00		3852.00							481.50		83.22	80.25		47.08	17.83	20.81	38.64	321.00																
<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		
FT	FT																											
<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																								
69+82.85	70+06.56	LT	23.71	16.00																								
70+06.56	73+06.56	LT	300.00	16.00	1.0279																							
73+06.56	77+59.02	LT	452.46	16.00	1.0342																							
77+59.02	79+00.64	LT	141.62	16.00	1.0185																							
79+00.64	80+59.02	LT	158.38	16.00	1.0185																							
69+80.36	69+82.85	RT	2.49	12.00																								
69+82.85	70+06.56	RT	23.71	12.00																								
70+06.56	72+80.36	RT	273.80	12.00	0.9791																							
72+80.36	73+06.56	RT	26.20	11.13	0.9806																							
73+06.56	74+60.36	RT	153.80	5.13	0.9890																							
<b>FULL DEPTH SHOULDER</b>																												
68+37.92	69+12.29						CURB																					
69+12.29	69+45.01						CADD	65.56		16.36																		
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				159.95																		
73+06.56	77+59.02	LT/IN	452.46	3.00	1.0748	1.0812				244.60																		
77+59.02	79+00.64	LT/IN	141.62	3.00	1.0404	1.0439				73.92																		
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				645.08																		
80+08.90	80+58.90	RT/OUT	50.00	7.00	0.9919	0.9839			16.40	347.17																		
80+58.90	80+59.02	RT/OUT	0.12	8.00	0.9908	0.9816			0.04	0.95																		
<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																								
82+90.00	85+10.00	LT/OUT	220.00	6.00																								
85+10.00	85+39.31	LT/OUT	29.31	6.59																								
85+39.31	85+50.00	LT/OUT	10.69	7.17																								
85+50.00	85+60.27						CADD	70.06																				
<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 (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	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														2235		977		2		76		2499	2499		

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																		
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	10.5" NON-REINFORCED CONCRETE PAVEMENT, CLASS GC 1P WITH GC/CA SY	CURB, TYPE 4-C FT	CURB, TYPE 6 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 C-B BL CONTD.</b>																																															
<b>FULL DEPTH SHOULDER</b>																																															
14+75.44	14+83.59						33.28									0.62																															
14+83.59	14+90.50	RT/OUT	6.91	8.16		56.39									1.04						3.70					0.002	0.11	3.70	3.70																		
14+90.50	15+05.00	RT/OUT	14.50	8.16		118.32						21.75			2.59						13.15	14.50			0.008	0.47	15.56	15.56																			
15+05.00	15+08.95	RT/OUT	3.95	8.08		31.92						5.93			0.70						3.55	3.95			0.002	0.13	4.21	4.21																			
15+08.95	16+39.88	RT/OUT	130.93	8.00		1047.44						196.40			23.03						116.38	130.93			0.069	4.17	138.20	138.20																			
16+39.88	16+79.88	RT/OUT	40.00	4.00		160.00						60.00			4.07						17.78	40.00			0.012	0.74	24.44	24.44																			
<b>RAMP E-N (I-77) BL</b>																																															
<b>FULL DEPTH LANES</b>																																															
729+38.45	729+60.29						223.37											2.73	1.03																												
729+60.29	731+17.39	RT	157.10	24.00		3770.40												46.08	17.46																												
731+17.39	733+84.24	RT	266.85	16.00		4269.60												52.18	19.77																												
733+84.24	734+00.31	RT	16.07	16.00	1.0056	258.56												3.16	1.20																												
734+00.31	736+34.24	RT	233.93	16.00	1.0056	3763.84									81.32	69.70		46.00	17.43	20.33	37.76																										
736+34.24	739+15.85	RT	281.61	16.00	1.0112	4556.22									98.44	84.37		55.69	21.09	24.61	45.70																										
739+15.85	739+73.67	RT	57.82	15.35	1.0107	897.21									19.38	16.62		10.97	4.15	4.85	9.00																										
739+73.67	740+95.22	RT	121.55	13.35	1.0047	1630.69									35.23	30.20		19.93	7.55	8.81	16.36																										
740+95.22	742+23.67	RT	128.45	12.00	1.0042	1547.87									33.44	28.66		18.92	7.17	8.36	15.53																										
742+23.67	743+99.26	RT	175.59	24.00		4214.16									91.05	78.04		51.51	19.51	22.76	42.27																										
743+99.26	746+54.31	RT	255.05	24.00	1.0021	6134.05									132.53	113.59		74.97	28.40	33.13	61.53																										
<b>FULL DEPTH SHOULDER</b>																																															
729+60.29	729+69.49						39.58																																								
729+69.49	731+00.00	LT/OUT	130.51	10.30		1344.50												0.48	0.18																												
731+00.00	731+17.39	LT/OUT	17.39	12.00		208.68												2.55	0.97																												
731+17.39	732+50.00	LT/OUT	132.61	12.00		1591.32												19.45	7.37																												
732+50.00	733+50.00	LT/OUT	100.00	11.00		1100.00												13.44	5.09																												
733+50.00	733+84.24	LT/OUT	34.24	10.00		342.40												4.18	1.59																												
733+84.24	734+00.31	LT/OUT	16.07	10.00	0.9965	160.14												1.96	0.74																												
734+00.31	736+34.24	LT/OUT	233.93	10.00	0.9965	2331.11		77.43		135.50		348.44			52.04	47.11		28.96	10.79	12.59	23.38																										
736+34.24	739+73.67	LT/OUT	339.43	10.00	0.9930	3370.54		111.56		195.23		502.02			75.23	68.10		41.88	15.60	18.21	33.81																										
739+73.67	740+90.56	LT/OUT	116.89	10.00	0.9965	1164.81		38.69		67.71		174.11			26.00	23.54		14.47	5.39	6.29	11.68																										
740+90.56	742+23.67	LT/OUT	133.11	10.00	0.9965	1326.44		44.06	66.09	77.10		220.30			35.80	32.11		19.98	6.14	8.71	14.85																										
742+23.67	742+40.07	LT/OUT	16.40	10.00		164.00		5.47	8.20	9.57		27.33			4.43	3.97		2.47	0.76	1.08	1.84																										
742+40.07	742+58.22	LT/OUT	18.15	10.00		181.50						27.22			3.92	3.87		2.22	0.84	0.98	1.82		18.15																								
742+58.22	743+99.26	LT/OUT	141.04	10.00		1410.40		47.01		82.27		211.56			31.49	28.51		17.53	6.53	7.62	14.15																										
743+99.26	746+47.57	LT/OUT	248.31	10.00	0.9991	2480.87		82.63		144.60		371.83			55.38	50.15		30.83	11.49	13.40	24.89																										
746+47.57	746+54.31	LT/OUT	6.74	9.87	0.9991	66.43		2.24		3.92		10.09			1.48	1.34		0.83	0.31	0.36	0.67																										
<b>FULL DEPTH SHOULDER</b>																																															
729+27.71	729+38.45						54.30																																								
729+38.45	730+00.00	RT/IN	61.55	9.47		582.57												7.12	2.70																												
730+00.00	730+75.00	RT/IN	75.00	7.35		551.25												6.74	2.55																												
730+75.00	731+17.39	RT/IN	42.39	5.43		229.97												2.81	1.06																												
731+17.39	736+34.24	RT/IN	233.93	4																																											

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)	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	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 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																																						
831+47.44	832+51.04	LT	103.60	16.00	1.0126	1678.49																																						
832+51.04	832+58.24	CADD																																										
832+58.24	835+80.32	SUSPEND AND RESUME EXISTING BRIDGE TO REMAIN																																										
835+80.32	835+08.78	CADD										57.59																																
835+08.78	836+08.78	LT	150.92	16.00	1.0161	2453.60	238.95								5.16	4.43	2.92	1.11	1.29	2.40																								
836+08.78	837+59.70	LT	149.29	16.00	1.0080	2407.75									53.01	45.44	29.99	11.36	13.25	24.61																								
837+59.70	839+08.99	LT	150.71	14.38	1.0072	2182.05									52.02	44.59	29.43	11.15	13.00	24.15																								
839+08.99	840+59.70	LT	34.91	12.38		432.01									47.14	40.41	26.67	10.10	11.79	21.89																								
840+59.70	840+94.61	LT	129.06	12.00		1548.72									9.33	8.00	5.28	2.00	2.33	4.33																								
840+94.61	842+23.67	LT													33.46	28.68	18.93	7.17	8.37	15.54																								
<b>FULL DEPTH SHOULDER</b>																																												
830+52.00	831+47.44	LT/OUT	95.44	10.77	1.0560	1084.95																																						
831+47.44	831+75.00	LT/OUT	27.56	11.78	1.0344	335.68																																						
831+75.00	832+05.00	LT/OUT	30.00	12.00	1.0346	372.46																																						
832+05.00	832+47.22	LT/OUT	42.22	10.42	1.0333	454.58																																						
832+47.22	832+51.04	CADD										17.27																																
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																								
835+94.60	837+43.44	LT/OUT	148.84	9.03	1.0412	1398.62	52.10								1.84	2.00	1.04	0.40	0.46	0.86	14.90																							
837+43.44	837+59.70	LT/OUT	16.26	12.00	1.0442	203.74		5.72							31.34	28.55	17.41	6.48	7.55	14.03																								
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																								
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																																						
831+47.44	832+58.24	RT/IN	110.80	9.28	0.9927	1020.17																																						
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																								
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																								
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																							
836+66.03	837+59.70	RT/IN	93.67	10.00	0.9900	927.33	30.60								3.56	3.50	2.01	0.76	0.89	1.65	16.30																							
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																								
840+59.70	841+35.20	RT/IN	75.50	4.00		302.00									99.30	173.78	44.85	47.36	43.81	11.30	20.99																							
841+35.20	842+23.67	RT/IN	88.47	4.00		353.88	29.49	44.24	51.61						25.17	44.04	113.25	7.07	6.87	3.84	3.03																							
<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																								
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																								
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																								
<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									0.14	0.13	0.08	0.03	0.03	0.06																								
437+52.48	438+80.00	LT/IN	127.52	4.00	0.9986	509.37									0.23	0.23	0.13	0.05	0.05	0.10																								
438+80.00	440+30.00	LT/IN	150.00	7.00	0.9976	1047.48									11.92	11.59	6.48	2.36	2.75	5.11																								
<b>TOTALS CARRIED TO PAVEMENT SUBSUMMARY</b>															699	612	487	183	173	320	37	851	2	113	3742	3742																		

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	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	CURB, TYPE 6 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>RAMP N-E (I-77) BL CONTD.</b>																											
<b>FULL DEPTH SHOULDER</b>																											
440+30.00	440+77.67	LT/IN	47.67	10.00	0.9965	0.9930	475.03		15.78		27.61		71.00		10.60	9.60	5.90	2.20	2.57	4.77							
440+77.67	442+50.00	LT/IN	172.33	10.00	0.9983	0.9965	1720.37		57.24		100.17		257.59		38.41	34.77	21.38	7.96	9.29	17.25							
442+50.00	442+77.67	LT/IN	27.67	9.73	0.9983	0.9966	268.63		9.19		16.09		41.36		6.00	5.44	3.34	1.24	1.45	2.69							
442+77.67	443+04.72	LT/IN	27.05	9.18			248.32		9.02		15.78		40.58		5.56	5.06	3.09	1.15	1.34	2.49							
443+04.72	443+22.87	LT/IN	18.15	8.73			158.36						27.23		3.42	3.44	1.94	0.73	0.86	1.59	18.15						
443+22.87	444+29.84	LT/IN	106.97	7.66			818.86		35.66	53.48	62.40			178.28	23.47	21.27	13.06	3.79	5.67	9.46							
444+29.84	444+75.00	LT/IN	45.16	5.95			268.70						67.74		5.81	6.23	3.28	1.24	1.45	2.69	45.16						
444+75.00	445+70.00	LT/IN	95.00	3.60			342.00						142.50		7.39	8.97	4.18	1.58	1.85	3.43	95.00						
437+48.65	437+50.00	CADD							7.44	0.45		0.79		2.02	0.17	0.16	0.09	0.03	0.04	0.07							
437+50.00	437+93.52	RT/OUT	43.52	7.82	1.0139	1.0166	345.06		14.75		25.81		66.36		7.77	7.14	4.31	1.60	1.86	3.46							
437+93.52	440+00.00	RT/OUT	206.48	10.00	1.0147	1.0182	2095.15		70.08		122.64		315.36		46.78	42.37	26.04	9.70	11.32	21.02							
440+00.00	440+77.67	RT/OUT	77.67	8.45	1.0141	1.0171	665.17		26.33		46.08		118.50		14.94	13.66	8.29	3.08	3.59	6.67							
440+77.67	441+50.00	RT/OUT	72.33	5.45	1.0065	1.0075	396.40		24.29		42.51		109.31		9.09	8.58	4.99	1.84	2.14	3.98							
441+50.00	442+77.67	RT/OUT	127.67	4.00	1.0063	1.0070	513.90		42.85		75.00		192.85		12.03	11.70	6.54	2.38	2.78	5.16							
442+77.67	442+93.82	RT/OUT	16.15	4.00			64.60		5.38		9.42		24.23		1.51	1.47	0.82	0.30	0.35	0.65							
442+93.82	442+94.41	CADD							1.19	0.20		0.34		0.89	0.03	0.03	0.02	0.01	0.01	0.02							
<b>RAMP N-W (I-77) BL</b>																											
<b>FULL DEPTH LANES</b>																											
120+13.58	120+27.89	CADD							178.59						3.86	3.31	2.18	0.83	0.96	1.79							
120+27.89	124+14.63	RT	386.74	28.49			11016.29							238.01	204.01	134.64	51.00	59.50	110.50								
124+14.63	124+65.73	RT	51.10	16.00			817.60							17.66	15.14	9.99	3.79	4.42	8.21								
124+65.73	127+15.73	RT	250.00	16.00	1.0077		4030.80							87.09	74.64	49.27	18.66	21.77	40.43								
127+15.73	131+35.00	RT	419.27	16.00	1.0154		6811.63							147.16	126.14	83.25	31.54	36.79	68.33								
131+35.00	131+37.70	CADD							42.53						0.92	0.79	0.52	0.20	0.23	0.43							
<b>FULL DEPTH SHOULDER</b>																											
120+07.33	120+13.58	CADD							32.08				8.82	0.69	0.76	0.39	0.15	0.17	0.32		5.88						
120+13.58	120+21.64	LT/OUT	8.06	10.92			88.02						12.09	1.90	1.85	1.08	0.41	0.48	0.89	8.06							
120+21.64	120+52.66	LT/OUT	31.02	10.92			338.74		10.34		18.10		46.53	7.54	6.80	4.20	1.57	1.83	3.40								
120+52.66	120+75.57	LT/OUT	22.91	10.46			239.64		7.64	10.46	13.36		34.36	5.34	4.83	2.98	1.11	1.29	2.40								
120+75.57	124+14.63	LT/OUT	339.06	10.00			3390.60		113.02		197.79		508.59	75.70	68.54	42.13	15.70	18.31	34.01								
124+14.63	124+65.73	LT/OUT	51.10	10.00			511.00		17.03		29.81		76.65	11.41	10.33	6.35	2.37	2.76	5.13								
124+65.73	127+15.73	LT/OUT	250.00	10.00	0.9952	0.9904	2488.00		82.53		144.43		371.40	55.54	50.28	30.91	11.52	13.44	24.96								
127+15.73	131+35.00	LT/OUT	419.27	10.00	0.9904	0.9808	4152.45		137.07		239.88		616.83	92.67	83.88	51.59	19.22	22.43	41.65								
131+35.00	131+37.52	CADD							24.50	0.84		1.47		3.78	0.55	0.50	0.30	0.11	0.13	0.24							
120+27.89	120+30.28	CADD							4.78					0.10	0.09	0.06	0.02	0.03	0.05								
120+30.28	124+14.63	RT/IN	384.35	4.00			1537.40		128.12		224.20		576.52	35.98	34.99	19.57	7.12	8.30	15.42								
126+61.20	127+15.73	RT/IN	54.53	4.00	1.0173	1.0192	221.89		18.53		32.42		83.37	5.19	5.05	2.83	1.03	1.20	2.23								
127+15.73	130+85.59	RT/IN	369.86	4.00	1.0346	1.0384	1530.63		128.02		224.04		576.09	35.84	34.86	19.49	7.09	8.27	15.36								
130+85.59	131+35.00	RT/IN	49.41	4.99	1.0355	1.0403	255.05		17.13		29.98		77.10	5.88	5.60	3.22	1.18	1.38	2.56								
131+35.00	131+37.76	CADD							17.09	0.92		1.61		4.14	0.39	0.36	0.21	0.08	0.09	0.17							
<b>TOTALS CARRIED TO PAVEMENT SUBSUMMARY</b>															<b>1023</b>	<b>913</b>	<b>573</b>	<b>214</b>	<b>251</b>	<b>464</b>	<b>33</b>	<b>141</b>	<b>3</b>	<b>171</b>	<b>5658</b>	<b>5658</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	452	609	609	254	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	10" NON-REINFORCED CONCRETE PAVEMENT CLASS QC-1P WITH QC/QA SY	CURB, TYPE 4-C FT	CURB, TYPE 6 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 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																									
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					0.603	36.39	1205.61	1205.61																	
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		3.05			7.84	1.38	1.24		0.77	0.29	0.34	0.63																									
336+05.00	342+69.52	LT/IN	664.52	12.00	1.0355	8257.33		231.52		405.16			1041.83	183.40	164.70		102.34	38.23	44.60	82.83					0.004	0.23	7.77	7.77																	
342+69.52	342+97.40	LT/IN	27.88	12.00	1.0178	340.52		9.50		16.63			42.77	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							63.72	0.78	1.85		0.44	0.17	0.20	0.37																									
346+12.48	347+00.00	LT/IN	87.52	0.00		0.00							131.28	0.00	2.43		0.00	0.00	0.00	0.00					42.48	0.006	0.33	11.09	11.09																
346+12.48	347+00.00	LT/IN	87.52	0.00		0.00							131.28	0.00	2.43		0.00	0.00	0.00	0.00					87.52	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		30.60			78.70	13.04	11.74		7.27	2.71	3.17	5.88																									
336+53.42	342+69.52	RT/OUT	616.10	10.00	0.9919	6111.10		202.06		353.61			909.27	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		31.20			80.22	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							27.30	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			1041.83	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			17.63	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			83.65	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			120.09	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																									
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							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							0.115	6.92	229.10	229.10															
<b>FULL DEPTH SHOULDER</b>																																													
226+62.50	226+64.52						8.22	0.67		1.18			3.03	0.19	0.19		0.10	0.04	0.04	0.08																									
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	1.38	1.47		0.78	0.30	0.34	0.64							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	30.33	32.48		17.16	6.50	7.58	14.08							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																			

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

**PAVEMENT CALCULATIONS**

**CUY-490-0.00**

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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	254	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	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) LBS/SY 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										0.66	0.25												
635+06.36	638+92.34	RT	385.98	16.00	1.0154	6270.79											76.64	29.03													
638+92.34	639+11.61	RT	19.27	16.00	1.0077	310.69											3.80	1.44													
639+11.61	639+69.85	RT	58.24	15.97	1.0077	936.96											11.45	4.34													
639+69.85	641+92.34	RT	222.49	15.94	1.0077	3573.80											43.68	16.55													
<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										0.59	0.22												
634+99.60	635+01.18	LT/IN	1.58	14.02	0.9865	21.85											0.27	0.10													
635+01.18	635+50.00	LT/IN	48.82	14.00	0.9866	674.32											8.24	3.12													
635+50.00	636+97.00	LT/IN	147.00	12.00	0.9885	1743.71											21.31	8.07													
636+97.00	637+02.50	LT/IN	5.50	9.00	0.9914	49.07											0.60	0.23													
637+02.50	638+92.34	LT/IN	189.84	8.00	0.9923	1507.03											18.42	6.98													
638+92.34	640+25.00	LT/IN	132.66	6.50	0.9969	859.62											10.51	3.98													
640+25.00	641+92.34	LT/IN	167.34	5.00	0.9976	834.69											10.20	3.86													
627+96.30	627+98.91	CADD						13.30		0.87		1.52		3.92		0.31	0.29	0.17	0.06	0.07	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									0.09	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										0.04	0.02												
635+08.05	635+47.23	RT/OUT	39.18	8.09	1.0385	328.97											4.02	1.52													
635+47.23	637+50.00	RT/OUT	202.77	12.00	1.0422	2535.92											30.99	11.74													
637+50.00	637+94.08	RT/OUT	44.08	11.00	1.0413	504.91											6.17	2.34													
637+94.08	638+92.34	RT/OUT	98.26	10.00	1.0403	1022.20											12.49	4.73													
638+92.34	639+11.61	RT/OUT	19.27	10.00	1.0202	196.59											2.40	0.91													
639+11.61	639+14.10	CADD						13.01										0.16	0.06												
<b>TOTALS CARRIED TO PAVEMENT SUBSUMMARY</b>															378	335		475	180	93	173		51		2388	2	63	2067	2067		

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

**PAVEMENT CALCULATIONS**

**CUY-490-0.00**

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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	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												
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				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				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				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				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								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								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								43.55		64.61			0.027	1.64	54.32	54.32		
14+45.00	14+48.77						30.30						0.00								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

**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																			CALCULATED BY: /		CHECKED BY: /													
																											FROM	TO		RESHAPING UNDER GUARDRAIL, AS PER PLAN	3" ASPHALT CONCRETE INTERMEDIATE COURSE TYPE 1, (449), (UNDER GUARDRAIL), AS PER PLAN											
<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																																				
							1301.40																																			
	742+40.07		743+99.26	LT/OUT	159.19	5.00																																				
							795.95																																			
	743+99.26		744+96.66	LT/OUT	97.40	5.00	0.9978																																			
							485.93																																			
	729+14.74		732+49.90	RT/IN	335.16	5.00																																				
							1675.80																																			
	742+76.34		743+99.26	RT/IN	122.92	5.00																																				
							614.60																																			
	743+99.26		745+07.16	RT/IN	107.90	5.00	1.0053																																			
							542.36																																			
<b>RAMP E-S (I-77) BL</b>																																										
	835+77.24		837+43.44	LT/OUT	166.20	5.00	1.0788																																			
							896.48																																			
	837+43.44		837+59.70	LT/OUT	16.26	5.00	1.0612																																			
							86.28																																			
	837+59.70		837+61.18	LT/OUT	1.48	5.00	1.0306																																			
							7.63																																			
	836+47.49		836+49.40	RT/IN	1.91	5.00	0.9747																																			
							9.31																																			
	836+49.40		837+59.70	RT/IN	110.30	5.00	0.9749																																			
							537.66																																			
	837+59.70		840+59.70	RT/IN	300.00	5.00	0.9905																																			
							1485.75																																			
	840+59.70		841+35.20	RT/IN	75.50	5.00																																				
							377.50																																			
<b>RAMP N-E (I-77) BL</b>																																										
	437+35.71		438+80.00	LT/IN	144.29	5.00	0.9955																																			
							718.20																																			
	438+80.00		440+30.00	LT/IN	150.00	5.00	0.9934																																			
							745.05																																			
	440+30.00		440+77.67	LT/IN	47.67	5.00	0.9913																																			
							236.28																																			
	440+77.67		442+50.00	LT/IN	172.33	5.00	0.9985																																			
							858.63																																			
	442+50.00		442+77.67	LT/IN	27.67	5.00	0.9957																																			
							137.76																																			
	442+77.67		443+22.87	LT/IN	45.20	5.00																																				
							226.00																																			
<b>RAMP N-W (I-77) BL</b>																																										
	120+07.04		124+65.73	LT/OUT	458.69	5.00																																				
							2293.45																																			
	124+65.73		125+60.17	LT/OUT	94.44	5.00	0.9880																																			
							466.53																																			
	123+02.56		124+14.63	RT/IN	112.07	5.00																																				
							560.35																																			
<b>RAMP S-E (I-77) BL</b>																																										
	340+80.75		342+69.52	RT/OUT	188.77	5.00	0.9798																																			
							924.78																																			
	342+69.52		343+41.79	RT/OUT	72.27	5.00	0.9919																																			
							358.42																																			
<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								PRIME COAT, AS PER PLAN (0.4 GAL/SY) GAL	WATER ((A*0.000)/1000) MGAL	COMPACTED AGGREGATE, AS PER PLAN (T="2") CY	SHOULDER PREPARATION SY									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										15.80	0.11	2.19	40.21																										
739+73.67	740+26.99	RT/OUT	53.32	5.00		266.60										11.85	0.08	1.65	29.62																										
745+50.00	746+47.57	RT/OUT	97.57	5.00	0.9978	486.78										0.00	0.00	0.00	54.09																										
<b>RAMP N-E (I-77)</b>																																													
438+00.00	440+00.00	RT/OUT	200.00	5.00	0.9801	980.10										42.69	0.29	5.93	108.90																										
440+00.00	440+77.67	RT/OUT	77.67	5.00	0.9822	381.44										16.65	0.11	2.31	42.38																										
440+77.67	441+50.00	RT/OUT	72.33	5.00		361.65										16.07	0.11	2.23	40.18																										
<b>RAMP N-W (I-77)</b>																																													
120+50.00	121+50.00	LT/IN	100.00	5.00		500.00										22.22	0.15	3.09	55.56																										
121+50.00	122+98.85	LT/IN	148.85	2.00		297.70										13.23	0.09	1.84	33.08																										
126+61.20	127+15.73	LT/IN	54.53	5.00		272.65										12.12	0.08	1.68	30.29																										
127+15.73	127+50.00	LT/IN	34.27	5.00	1.0432	178.75										8.29	0.06	1.15	19.86																										
127+50.00	128+50.00	LT/IN	100.00	2.00	1.0403	208.06										9.62	0.06	1.34	23.12																										
128+50.00	130+85.59	LT/IN	235.59	2.00	1.0403	490.17										22.66	0.15	3.15	54.46																										
130+85.59	131+37.76	LT/IN	52.17	5.00	1.0452	272.64										12.67	0.09	1.76	30.29																										
129+00.00	131+00.00	RT/OUT	200.00	5.00	0.9760	976.00										42.34	0.29	5.88	108.44																										
<b>RAMP S-E (I-77)</b>																																													
336+50.00	340+00.00	LT/IN	350.00	5.00	1.0492	1836.10										85.62	0.58	11.89	204.01																										
340+00.00	340+80.75	LT/IN	80.75	2.00	1.0468	169.06										7.87	0.05	1.09	18.78																										
345+02.47	347+00.00	LT/IN	197.53	2.00		395.06										17.56	0.12	2.44	43.90																										
336+50.00	336+53.43	RT/OUT	3.43	5.00	0.9781	16.77										0.00	0.00	0.10	1.86																										
336+53.43	341+50.00	RT/OUT	496.57	5.00	0.9788	2432.70										0.00	0.72	14.71	270.30																										
342+00.00	342+69.52	RT/OUT	69.52	5.00	0.9798	340.58										0.00	0.10	2.06	37.84																										
342+69.52	342+97.40	RT/OUT	27.88	5.00		139.40										6.20	0.04	0.86	15.49																										
<b>RAMP W-N (I-77)</b>																																													
625+00.00	625+50.00	LT/IN	50.00	5.00		250.00										11.11	0.08	1.54	27.78																										
625+50.00	627+50.00	LT/IN	200.00	2.00		400.00										17.78	0.12	2.47	44.44																										
628+00.00	628+21.02	LT/IN	21.02	2.00		42.04										1.87	0.01	0.26	4.67																										
628+50.00	629+70.34	RT/OUT	120.34	5.00		601.70										26.74	0.18	3.71	66.86																										
<b>RAMP W-S (I-77)</b>																																													
521+81.23	522+50.00	LT/IN	68.77	5.00	1.0133	348.42										15.69	0.11	2.18	38.71																										
522+50.00	524+00.00	LT/IN	150.00	2.00	1.0127	303.81										13.67	0.09	1.90	33.76																										
524+00.00	525+00.00	LT/IN	100.00	5.00	1.0133	506.65										22.82	0.15	3.17	56.29																										
522+40.19	525+28.74	RT/OUT	288.55	5.00	0.9945	1434.81										63.42	0.43	8.81	159.42																										
525+28.74	527+62.72	RT/OUT	233.98	5.00	0.9907	1159.02										51.03	0.34	7.09	128.78																										
527+62.72	528+50.00	RT/OUT	87.28	5.00	0.9869	430.68										18.89	0.13	2.62	47.85																										
<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	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																													
<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	4930	30	1	6	61	8	34			

PAVEMENT CALCULATIONS

CUY-490-0.00



