

SHEET NO.	209		254		254		302		302		304		304				305			407				407		441					
	LINEAR GRADING, AS PER PLAN		PAVEMENT PLANING, ASPHALT CONCRETE, 1.25" AVERAGE		PAVEMENT PLANING, ASPHALT CONCRETE, 5" AVERAGE		8" ASPHALT CONCRETE BASE PG64-22		10.5" ASPHALT CONCRETE BASE, PG64-22		5" AGGREGATE BASE		6" AGGREGATE BASE				VARIABLE DEPTH AGGREGATE BASE (9" AVERAGE)			9" CONCRETE BASE, CLASS QC 1P			NON-TRACKING TACK COAT				TACK COAT 702.13 (0.070 GAL/SY - 1 APPLICATION)		2" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, (448), (UNDER GUARDRAIL), AS PER PLAN		
	STA		SY		SY		CY		CY		CY		CY				CY			SY			GAL				GAL		CY		
	01/IMS/PV	02/IMS/PV	01/IMS/PV	01/IMS/PV	02/IMS/PV	01/IMS/PV	01/IMS/PV	02/IMS/PV	01/IMS/PV	02/IMS/PV	01/IMS/PV	02/IMS/PV	09/MPO/OT	10/IMS/OT/ COL	01/IMS/PV	02/IMS/PV	01/IMS/PV	09/MPO/OT	10/IMS/OT/ COL	01/IMS/PV	02/IMS/PV	09/MPO/OT	10/IMS/OT/ COL	01/IMS/PV	09/MPO/OT	10/IMS/OT/ COL	01/IMS/PV	02/IMS/PV			
3								2612	1742					1256	838					376	251			1459	973						
4								1175	784					282	188					640	427			663	442						
5								1683	1562					773	773					340	227			983	915						
6								610	1178					359	703									343	659						
7								255	2597					153	1484							124		142	1469						
8									1506						928										841						
9								130	952					75	557									74	536						
10	14	24																										39	64		
11	10	36																									29	109			
12														12	8																
13				861	574			-2	-59					-50	-187									121	81						
14														334						1700				94		90	119		114		
15				3595				9						346		27	71			1924	162	-75	416		9	-5	135	12	-6		
16																															
17														254	460																
18										142	181			48	61																
<b>TOTALS CARRIED TO THE GENERAL SUMMARY</b>	<b>24</b>	<b>60</b>	<b>3595</b>	<b>861</b>	<b>574</b>	<b>9</b>	<b>6463</b>	<b>10262</b>	<b>142</b>	<b>181</b>	<b>3842</b>	<b>5813</b>	<b>27</b>	<b>364</b>	<b>1356</b>	<b>1029</b>	<b>3624</b>	<b>162</b>	<b>1547</b>	<b>4295</b>	<b>5916</b>	<b>9</b>	<b>85</b>	<b>254</b>	<b>12</b>	<b>108</b>	<b>68</b>	<b>173</b>			
SHEET NO.	441		441				442		442		442		442		SPECIAL		452			452		601		608		608		823			
	1 1/4" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), AS PER PLAN, PG64-22		1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (448)				1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (448)		ANTI-SEGREGATION EQUIPMENT		1 1/2" ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (447), AS PER PLAN		1 1/2" ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (446), AS PER PLAN, PG76-22M		PRESSURE RELIEF JOINT, TYPE A		4" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P			12" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P		RIP RAP, WITH GROUT, AS PER PLAN		WALKWAY, MISC.- BRICK PAVER CROSSWALK		WALKWAY MISC.- 6X6 CONCRETE PAVERS		1 1/4" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448)			
	CY		CY				CY		CY		CY		CY		CY		FT			SY			SY		SF		SF		SF		CY
	01/IMS/PV	09/MPO/OT	10/IMS/OT/ COL	01/IMS/PV	02/IMS/PV	09/MPO/OT	10/IMS/OT/ COL	01/IMS/PV	02/IMS/PV	01/IMS/PV	02/IMS/PV	01/IMS/PV	02/IMS/PV	01/IMS/PV	02/IMS/PV	01/IMS/PV	01/IMS/PV	01/IMS/PV	02/IMS/PV	10/IMS/OT/ COL		01/IMS/PV	02/IMS/PV	10/IMS/OT/ COL	01/IMS/PV	02/IMS/PV	01/IMS/PV	02/IMS/PV			
3								433	289	597	398	361	241																		
4								195	130			163	109																		
5								277	257	289	289	237	220																		
6								100	190	139	189	12	55	117	312																
7								41	433		804		66	34	306																
8								242							206																
9								22	157		92	19	84		51																
10																															
13								42	28	78	52	36	24																		
14	60			57	83			79												99				135							
15	193	6		-3	96		8	-4																496							
16																															
18					46	58																									
<b>TOTALS CARRIED TO THE GENERAL SUMMARY</b>	<b>253</b>	<b>6</b>	<b>54</b>	<b>225</b>	<b>58</b>	<b>8</b>	<b>75</b>	<b>1110</b>	<b>1726</b>	<b>1103</b>	<b>1824</b>	<b>828</b>	<b>799</b>	<b>151</b>	<b>875</b>	<b>99</b>	<b>150</b>	<b>191</b>	<b>631</b>	<b>1243</b>	<b>1582</b>	<b>5044</b>	<b>1078</b>	<b>1371</b>	<b>33</b>	<b>41</b>	<b>33</b>	<b>41</b>			

PAVEMENT SUBSUMMARY

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CALCULATED  
C/C

CHECKED  
CWL

SHEET NO.	609		609		609		609		609		609		618		622		622		622		622		622		CALCULATED C/C	CHECKED C/NL			
	CURB, TYPE 4-C		CURB, TYPE 6		CURB, MISC.: COLUMBUS 18" GRANITE CURB		CURB, MISC.: COLUMBUS 18" SANDSTONE CURB		CURB, MISC.: COLUMBUS 18" CONCRETE CURB		CURB, MISC.: COMBINATION CURB AND GUTTER, TYPE SPECIAL		4" CONCRETE TRAFFIC ISLAND		RUMBLE STRIPS, (ASPHALT CONCRETE)		CONCRETE BARRIER, SINGLE SLOPE, TYPE B		CONCRETE BARRIER, SINGLE SLOPE, TYPE C1		CONCRETE BARRIER, SINGLE SLOPE, TYPE D		CONCRETE BARRIER, SINGLE SLOPE, TYPE D, AS PER PLAN						
	FT		FT		FT		FT		FT		FT		SY		MILE		FT		FT		FT		FT						
	01/IMS/PV	02/IMS/PV	02/IMS/PV	11/ENH/OT/COL		10/IMS/OT/COL	11/ENH/OT/COL		01/IMS/PV	01/IMS/PV	01/IMS/PV	02/IMS/PV		01/IMS/PV	02/NHS/PV	01/IMS/PV	02/NHS/PV		01/IMS/PV	02/NHS/PV		01/IMS/PV	02/NHS/PV	01/IMS/PV	02/NHS/PV				
3	74	50																											
4	962	641																											
5	855	652																											
6	50	94																											
7																													
8		531	271																										
9		105																											
10											1764	1053																	
12																70	47		48	32		739	528	194	194				
13																													
14				306		717	141					522																	
15				691									99																
16				43		47							185																
18																													
<b>TOTALS CARRIED TO THE GENERAL SUMMARY</b>	1941	2073	271	1040		764	141		707	99	1764	1053		1	1	70	47		48	32		739	528	194	194				
SHEET NO.	622		622		304		305		622		622		622		622		622		622		622		622		CALCULATED C/C	CHECKED C/NL			
	BARRIER MISC.: CONCRETE BARRIER, TYPE B50		CONCRETE BARRIER, END ANCHORAGE, REINFORCED, TYPE B		4" AGGREGATE BASE		6" CONCRETE BASE, CLASS QC 1P		CONCRETE BARRIER, END ANCHORAGE, REINFORCED, TYPE C1, AS PER PLAN		CONCRETE BARRIER, END ANCHORAGE, REINFORCED, TYPE D		CONCRETE BARRIER, END ANCHORAGE, REINFORCED, TYPE D, AS PER PLAN		CONCRETE BARRIER, END SECTION, TYPE D		CONCRETE BARRIER, END SECTION, TYPE D, AS PER PLAN "A"		CONCRETE BARRIER, END SECTION, TYPE D, AS PER PLAN "B"		BARRIER TRANSITION								
	FT		EACH		CY		SY		EACH		EACH		EACH		EACH		EACH		EACH		EACH								
	01/IMS/PV	02/NHS/PV	01/IMS/PV	02/NHS/PV	01/IMS/PV	02/NHS/PV	01/IMS/PV	02/NHS/PV	01/IMS/PV	02/NHS/PV	01/IMS/PV	02/NHS/PV	01/IMS/PV	02/NHS/PV	02/NHS/PV	01/IMS/PV	02/NHS/PV	02/NHS/PV	01/IMS/PV	02/NHS/PV	02/NHS/PV	02/NHS/PV	01/IMS/PV	02/NHS/PV					
12	48	32			2	2									1	1	13	12			1		5	6		1		1	1
<b>TOTALS CARRIED TO THE GENERAL SUMMARY</b>	48	32			2	2			14	17	120	153			1	1	13	12			1		5	6		1		1	1

PAVEMENT SUBSUMMARY

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STATION	SIDE	LENGTH (L)	AVERAGE WIDTH (W)	CURVE CORRECTION RATIO	CURB CURVE CORRECTION RATIO	SURFACE AREA (A=L*W)	CADD AREA	AREA FOR 4" EXTENSION	AREA FOR 6" EXTENSION	AREA FOR 20" EXTENSION	AREA FOR 28" EXTENSION	302		304		407		442		442		CURE, TYPE 4-C	CURE, TYPE 6	
												10.5" ASPHALT CONCRETE BASE, P664-22	6" AGGREGATE BASE	NON-TRACKING TACK COAT (0.065 GAL/SY - 3 APPLICATION)	1 1/2" ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (447), AS PER PLAN	1 1/2" ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (446), AS PER PLAN, P676-22M	1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, 19 MM, TYPE A (446)	CY	CY	GAL	CY			CY
FROM	TO	FT	FT			SF	SF	SF	SF	SF	SF	01/IMS/PV	02/NHS/PV	01/IMS/PV	02/NHS/PV	01/IMS/PV	02/NHS/PV	01/IMS/PV	02/NHS/PV	01/IMS/PV	02/NHS/PV			
<b>RAMP C5</b>																								
<b>FULL DEPTH SHOULDER</b>																								
5032+65.73	5034+97.48	LT	231.75	10.00	1.0035	1.0045	2325.61																	
5034+97.48	5036+25.00	LT	127.52	10.00			1275.20																	
5036+25.00	5036+30.43	LT	5.43	10.00			54.30	1.81	2.71															
5036+30.43	5039+05.43	LT	275.00	8.00			2200.00	91.67	137.50															
5039+05.43	5041+17.78	LT	212.35	6.00			1274.10	70.78	106.18															
5041+17.78	5041+34.21	LT	16.43	6.00	0.9935	0.9921	97.94	5.43	8.15															
5041+34.21	5041+57.96	LT	23.75	6.00	0.9935	0.9921	141.57																	
5062+50.38	5062+68.89	LT	18.51																					
5062+68.89	5069+27.87	LT	658.98	10.00	1.0101	1.0119	6656.36	222.27	333.41															
5074+89.25	5076+08.84	LT	119.59	4.00	1.0037	1.0042	480.13	40.03	60.05															
5076+08.84	5078+81.85	LT	273.01	4.00			1092.04	91.00	136.50															
5078+81.85	5079+00.00	LT	18.15	4.00			72.60																	
5079+00.00	5079+12.85	LT	12.85	4.00			51.40																	
5079+12.85	5080+10.75	LT	97.90	4.00	1.0073	1.0084	394.46																	
5081+66.63	5081+98.63	LT	32.00	4.00	1.0073	1.0084	128.93																	
5081+98.63	5084+20.00	LT	221.37	4.00			885.48																	
5084+20.00	5084+36.06	LT	16.06	4.00	1.0331	1.0368	66.37																	
5084+36.06	5084+56.78	LT	20.72	4.00	1.0476	1.0513	86.83																	
5024+38.21	5025+38.21	RT	100.00	10.95	0.9964	0.9953	1091.06	33.18	49.77															
5025+38.21	5030+50.04	RT	511.83	10.00	0.9965	0.9955	5100.39	169.84	254.76															
5030+50.04	5031+00.04	RT	50.00	14.00	0.9961	0.9947	697.27	16.58	24.87															
5031+00.04	5031+23.25	RT	23.21	17.45	0.9958	0.9940	403.31																	
5031+23.25	5031+35.85	RT	12.60	16.61	0.9959	0.9942	208.43																	
5032+69.04	5033+86.76	RT	117.72	10.91	0.9964	0.9953	1279.70																	
5033+86.76	5034+83.94	RT	97.18	10.00	0.9965	0.9955	968.40																	
5039+05.43	5041+17.78	RT	212.35	6.00			1274.10	70.78	106.18															
5041+17.78	5041+32.96	RT	15.18	6.00	1.0013	1.0026	91.20	5.07	7.61															
5041+32.96	5041+57.96	RT	25.00	6.00	1.0013	1.0026	150.20																	
5061+87.48	5062+01.26	RT	13.78					78.03																
5062+01.26	5062+81.58	RT	80.32	10.00	0.9941	0.9923	798.46	26.57	39.85															
5062+81.58	5063+31.58	RT	50.00	11.00	0.9939	0.9920	546.65	16.53	24.80															
5063+31.58	5063+49.88	RT	18.30	12.00	0.9937	0.9916	218.22																	
5063+49.88	5063+64.00	RT	14.12	12.00	0.9937	0.9916	168.37	4.67	7.00															
5063+64.00	5066+50.00	RT	286.00	12.00	0.9937	0.9916	3410.38																	
5066+50.00	5066+64.12	RT	14.12	12.00	0.9937	0.9916	168.37	4.67	7.00															
5066+64.12	5067+14.12	RT	50.00	11.00	0.9939	0.9920	546.65	16.53	24.80															
5067+14.12	5069+99.95	RT	285.83	10.00	0.9941	0.9923	2841.44	94.54	141.81															
5069+99.95	5070+95.32	RT	95.37	10.00	0.9955	0.9942	949.41	31.61	47.41															
5070+95.32	5071+25.49	RT	30.17					263.63																
5074+49.39	5076+08.84	RT	159.45	10.00	0.9955	0.9942	1587.32																	
5076+08.84	5079+12.85	RT	304.01	10.00			3040.10																	
5079+12.85	5080+17.60	RT	104.75	10.00	0.9911	0.9885	1038.18																	
<b>TOTALS CARRIED TO PAVEMENT SUBSUMMARY</b>												1506	928	841			206	242	531	271				

PAVEMENT CALCULATIONS

FRA - 70 / 71 - 12.68 / 14.86

