

SHEET NO.	203	209			254	301		302	302	304		304	407		407	407	407	408					
	1" ROADWAY MISC.: 57 AGGREGATE	LINEAR GRADING			PAVEMENT PLANING, ASPHALT CONCRETE, 0.5" MIN / 5.5" MAX	ASPHALT CONCRETE BASE, PG64-22 (VARIABLE)		9" ASPHALT CONCRETE BASE, PG64-22	12" ASPHALT CONCRETE BASE, PG64-22	6" AGGREGATE BASE, AS PER PLAN		15" AGGREGATE BASE, AS PER PLAN	NON-TRACKING TACK COAT (0.085 GAL/SY - 3 APPLICATIONS)		NON-TRACKING TACK COAT (0.085 GAL/SY - 1 APPLICATION)	NON-TRACKING TACK COAT (0.085 GAL/SY - 1 APPLICATION)	TACK COAT, 702.13 (0.075 GAL/SY - 1 APPLICATION)	PRIME COAT, AS PER PLAN (0.40 GAL./S.Y.)					
	CY	STA			SY	CY		CY	CY	CY		CY	GAL		GAL	GAL	GAL	GAL					
	01/CMQ/PV/PCE	01/CMQ/PV/PCE	02/CMQ/PV		01/CMQ/PV/PCE	01/CMQ/PV/PCE		01/CMQ/PV/PCE	02/CMQ/PV	01/CMQ/PV/PCE	02/CMQ/PV	02/CMQ/PV		01/CMQ/PV/PCE	02/CMQ/PV	01/CMQ/PV/PCE	01/CMQ/PV/PCE	01/CMQ/PV/PCE	02/CMQ/PV				
2								619		471				405									
3						12636		160		120				104		695		948					
4								171		221				113									
5						3786		326		135				95		209		284					
6								1314		892				866									
7	1					4367		296		234				189		241	7	322					
8									764	103	861				375								
9											513												
10									158	106	137	109			79								
11			15	11															176				
12																			111				
13							762									918							
TOTALS CARRIED TO THE GENERAL SUMMARY	1		15	11		20789		762		2886	922		2282	1511	109		1772	454	2063	7	1554		287
SHEET NO.	441	441	441		442	442	442		452		605	609		609	609	609		617	617	617	618		618
	1 1/2" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (446), PG70-22M	1 1/2" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (446), PG70-22M, AS PER PLAN	2" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, (448), (UNDER GUARDRAIL)		2 1/2" ASPHALT CONCRETE INTERMEDIATE COURSE, 19MM, TYPE B (448)	2 1/2" ASPHALT CONCRETE INTERMEDIATE COURSE, 19MM, TYPE B (448), AS PER PLAN, PG-70-22M (VARIABLE, 2 1/2" TYP.)	ASPHALT CONCRETE INTERMEDIATE COURSE, 19MM, TYPE B (448), AS PER PLAN, PG70-22M (VARIABLE)		12" NON-REINFORCED CONCRETE PAVEMENT, CLASS CC-1P WITH CC/QA		AGGREGATE DRAINS	CURB, TYPE 4-A	CURB, TYPE 6	4" CONCRETE MEDIAN	CONCRETE MEDIAN	COMPACTED AGGREGATE, AS PER PLAN (T=2")	SHOULDER PREPARATION	WATER ((A*0.3)/1000)	RUMBLE STRIPS, SHOULDER (ASPHALT CONCRETE)	RUMBLE STRIPS, SHOULDER (CONCRETE)			
	CY	CY	CY		CY	CY	CY		SY	FT	FT	FT	SY	SY	CY	SY	MGAL	MILE	MILE				
	02/CMQ/PV	01/CMQ/PV/PCE	01/CMQ/PV/PCE	02/CMQ/PV	02/CMQ/PV	01/CMQ/PV/PCE	01/CMQ/PV/PCE	01/CMQ/PV/PCE	02/CMQ/PV	01/CMQ/PV/PCE	02/CMQ/PV	01/CMQ/PV/PCE	01/CMQ/PV/PCE	01/CMQ/PV/PCE	02/CMQ/PV	02/CMQ/PV	02/CMQ/PV	02/CMQ/PV	02/CMQ/PV	02/CMQ/PV	02/CMQ/PV	02/CMQ/PV	
2		101										1187											
3		552										175											
4		29										1185	507										
5		181										185	86										
6		216										182	45	42									
7		226										169											
8	93				155			599	2578			423											
9									3039														
10	20				33			620	339						262								
11			42	34												25	439	1.19					
12											138					16	277	0.75		0.17			0.16
13							460																
TOTALS CARRIED TO THE GENERAL SUMMARY	113	1305	42	34	188	2634		1219	5956		138		423	3083	638	42	262	41	716	2		0.17	0.16

CALCULATED JUL	CHECKED CIC	PAVEMENT SUBSUMMARY
<div style="border: 1px solid black; border-radius: 50%; width: 30px; height: 30px; display: flex; align-items: center; justify-content: center; margin: 0 auto;"> 1 13 </div>		

STATION		SIDE	LENGTH (L) FT	AVERAGE WIDTH (W) FT	CURVE CORRECTION RATIO	CURB CURVE CORRECTION RATIO	SURFACE AREA (A=LxW) SF	CADD AREA SF	AREA FOR 4" EXTENSION SF	AREA FOR 6" EXTENSION SF	AREA FOR 14" EXTENSION SF	302	304	407	441	442	609
FROM	TO											9" ASPHALT CONCRETE BASE, PG64-22 CY	6" AGGREGATE BASE, AS PER PLAN CY	NON-TRACKING TACK COAT (0.065 GALUSY - 3 APPLICATIONS) GAL	1 1/2" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (446), PG70-22M, AS PER PLAN CY	2 1/2" ASPHALT CONCRETE INTERMEDIATE COURSE, 19MM, TYPE B (448), AS PER PLAN, PG70- 22M (VARIABLE, 2 1/2" TYP.) CY	CURB, TYPE 6 FT
C.R. 18 (TALLMADGE RD)																	
FULL DEPTH LANES																	
10+30.55	10+62.45	LT	31.90	3.90		124.41				15.95	37.22						31.90
10+62.45	10+94.94	LT	32.49	3.90	0.9763	0.9744	123.71			15.83	36.93						31.66
10+94.94	12+16.55	LT	119.52		CADD			683.80		59.76	139.44						119.52
12+16.55	13+25.53	LT	108.98	7.50	1.0255	1.0292	838.19			56.08	130.86						112.16
13+25.53	13+75.00	LT	49.47	7.50			371.03			24.74	57.72						49.47
13+75.00	14+50.00	LT	75.00	0.00			0.00			37.50	87.50						75.00
18+45.00	18+90.00	LT	45.00	35.07			1578.15										
22+29.91	24+88.36	LT	258.45	12.00			3101.40										
24+88.36	25+38.36	LT	50.00	6.00			300.00										
27+54.80	28+39.67	LT	84.87		CADD			804.95									
28+39.67	28+84.32	LT	44.65	22.00			982.30										
29+82.19	30+09.28	LT	27.09	2.36			63.93										
9+90.00	10+00.00	RT	10.00	2.40			24.00			5.00	11.67						10.00
10+00.00	10+01.88	RT	1.88	2.82			5.30			0.94	2.19						1.88
10+01.88	10+30.55	RT	28.67	3.27			93.75			14.34	33.45						28.67
10+30.55	13+29.34	RT	197.96		CADD			1699.32		98.98	230.95						
13+29.34	14+00.04	RT	70.70	3.09			218.46			35.35	82.48						70.70
14+00.04	16+15.00	RT	214.96	0.00			0.00			107.48	250.79						214.96
18+45.00	18+90.00	RT	45.00	30.00			1350.00										
20+02.44	20+27.37	RT	24.93		CADD			21.81									
21+23.54	21+35.55	RT	12.01		CADD			7.68									
27+30.61	27+43.42	RT	12.81		CADD			8.25									
29+30.29	29+90.37	RT	60.08	3.02			181.44										
FULL DEPTH SHOULDER																	
14+50.00	14+78.00	LT	28.86	0.00			0.00			14.43	33.67						28.86
14+78.00	18+45.00	LT	367.00	0.00			0.00				428.17						
18+45.00	18+90.00	LT	45.00	8.00			360.00			15.00	22.50						
18+90.00	19+49.43	LT	59.43	6.61			392.83			19.81	29.72						
19+49.43	19+55.00	LT	5.57	7.76			43.22			1.86	2.78						
22+29.91	24+88.36	LT	258.45	8.00			2067.60			86.15	129.23						
24+88.36	25+38.36	LT	50.00	8.00			400.00			16.67	25.00						
25+38.36	25+52.00	LT	13.64	8.00			109.12			4.55	6.82						
25+52.00	27+27.00	LT	175.00	8.00			1400.00			87.50	204.17						175.00
27+27.00	27+54.80	LT	27.80	8.00			222.40			9.27	13.90						
27+54.80	28+39.67	LT	88.54		CADD			706.73		29.51	44.27						
28+39.67	28+84.32	LT	44.65	8.00			357.20			14.88	22.33						
29+82.19	30+09.28	LT	26.69		CADD			108.37		8.90	13.35						
16+15.00	16+25.00	RT	10.00	1.00			10.00			5.00	11.67						10.00
16+25.00	16+53.00	RT	28.86	4.50			129.87			14.43	33.67						28.86
16+53.00	20+02.44	RT	349.44	8.00			2795.52			116.48	174.72						
TOTALS CARRIED TO PAVEMENT SUBSUMMARY												619	471	405	101	168	1187

PAVEMENT CALCULATIONS

POR - CR18 - 0.51

CALCULATED
JLL
CHECKED
CJC

STATION		SIDE	LENGTH (L) FT	AVERAGE WIDTH (W) FT	CURVE CORRECTION RATIO	CURB CURVE CORRECTION RATIO	SURFACE AREA (A=LxW) SF	CADD AREA SF	AREA FOR 4" EXTENSION SF	AREA FOR 6" EXTENSION SF	AREA FOR 14" EXTENSION SF	254	302	304	407	407	407	441	442	609	CALCULATED JLL	CHECKED CJC										
FROM	TO											PAVEMENT PLANING, ASPHALT CONCRETE 0.5" MIN/5.5" MAX SY	9" ASPHALT CONCRETE BASE, PG64-22 CY	6" AGGREGATE BASE, AS PER PLAN CY	NON-TRACKING TACK COAT (0.065 GAL/SY - 3 APPLICATION) GAL	NON-TRACKING TACK COAT (0.065 GAL/SY - 1 APPLICATION) GAL	TACK COAT, 702.13 (0.075 GAL/SY 1 APPLICATION) GAL	1 1/2" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG70-22M, AS PER PLAN CY	2 1/2" ASPHALT CONCRETE INTERMEDIATE COURSE, 19MM, TYPE B (448), AS PER PLAN, PG70-22M (VARIABLE, 2 1/2" TYP.) CY	01/CMQ/PV/PCE			01/CMQ/PV/PCE	01/CMQ/PV/PCE	01/CMQ/PV/PCE	01/CMQ/PV/PCE	01/CMQ/PV/PCE	01/CMQ/PV/PCE	01/CMQ/PV/PCE	01/CMQ/PV/PCE	FT	
C.R. 18 (TALLMADGE RD) (CONT.)																																
FULL DEPTH SHOULDERS																																
20+02.44	20+27.01	RT	23.21				CADD	191.28	7.74	11.61																						
21+24.19	21+37.22	RT	10.57				CADD	96.16	3.52	5.29																						
21+37.22	24+79.00	RT	341.78	8.00				2734.24		113.93	170.89																					
24+79.00	26+54.00	RT	175.00	8.00				1400.00			87.50	204.17																				
26+54.00	27+30.61	RT	76.61	8.00				612.88			25.54	38.31																				
27+30.61	27+42.81	RT	9.96				CADD	88.36	3.32	4.98																						
29+30.29	29+90.37	RT	59.92				CADD	240.57	19.97	29.96																						
29+90.37	30+09.28	RT	18.91	4.00				75.64			6.30	9.46																				
RESURFACING																																
9+90.00	10+30.55	LT/RT	40.55				CADD	1901.83																								
10+30.55	10+62.45	LT	31.90	22.00				701.80																								
10+62.45	11+96.00	LT	133.55	22.00	0.9891	0.9782		2906.07																								
11+96.00	13+25.53	LT	129.53	22.00	1.0109	1.0218		2880.72																								
13+25.53	13+75.00	LT	49.47	22.00				1088.34																								
13+75.00	14+50.00	LT	75.00	29.50				2212.50																								
14+50.00	14+78.00	LT	28.00	33.00				924.00																								
14+78.00	15+50.12	LT	72.12	36.50				2632.38																								
15+50.12	16+01.12	LT	51.00	37.25				1899.75																								
16+01.12	16+95.00	LT	93.88	38.00				3567.44																								
16+95.00	18+45.00	LT	150.00	40.21				6031.50																								
18+90.00	21+61.00	LT	271.00	38.00				10298.00																								
21+61.00	23+64.93	LT	203.93	35.50				7239.51																								
23+64.93	24+56.53	LT	91.60	30.00				2748.00																								
24+56.53	27+83.98	LT	327.45	24.50				8022.53																								
27+83.98	28+22.00	LT	38.02	26.00				988.52																								
28+22.00	29+14.00	LT	92.00	37.50				3450.00																								
29+14.00	30+09.28	LT	95.28	29.50				2810.76																								
10+30.55	13+25.53	RT	294.98				CADD	6855.17																								
13+25.53	15+50.12	RT	224.59	29.50				6625.41																								
15+50.12	16+01.12	RT	51.00	30.25				1542.75																								
16+01.12	16+15.00	RT	13.88	31.00				430.28																								
16+15.00	18+45.00	RT	230.00	30.00				6900.00																								
18+90.00	21+61.00	RT	271.00	30.00				8130.00																								
21+61.00	27+60.00	RT	599.00	23.50				14076.50																								
27+60.00	29+14.00	RT	154.00	30.00				4620.00																								
29+14.00	30+09.28	RT	95.28	23.50				2239.08																								
TOTALS CARRIED TO PAVEMENT SUBSUMMARY												12636	160		120		104		695		948		552		920					175		

PAVEMENT CALCULATIONS

POR - CR18 - 0.51

STATION		SIDE	LENGTH (L) FT	AVERAGE WIDTH (W) FT	CURVE CORRECTION RATIO	CURB CURVE CORRECTION RATIO	SURFACE AREA (A=LxW) SF	CADD AREA SF	AREA FOR 4" EXTENSION SF	AREA FOR 6" EXTENSION SF	AREA FOR 12" EXTENSION SF	AREA FOR 14" EXTENSION SF	302	304	407	441	442	609	609
FROM	TO												9" ASPHALT CONCRETE BASE, PG64-22 CY	6" AGGREGATE BASE, AS PER PLAN CY	NON-TRACKING TACK COAT (0.065 GALUSY - 3 APPLICATIONS) GAL	1 1/2" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG70-22M, AS PER PLAN CY	2 1/2" ASPHALT CONCRETE INTERMEDIATE COURSE, 19MM, TYPE B (448), AS PER PLAN, PG70-22M (VARIABLE, 2 1/2" TYP.) CY	4" CONCRETE MEDIAN SY	CURB, TYPE 6 FT
C.R. 18 (TALLMADGE RD MEDIANS)																			
FULL DEPTH LANES																			
21+61.00	22+10.00	LT	49.00	2.00		98.00							2.72	1.81	1.80		0.45	0.76	
22+10.00	23+64.93	LT	154.93	2.00		309.86					154.93		8.61	8.61	5.68		1.43	2.39	154.93
23+64.93	24+56.53	LT	91.60	7.50		687.00					91.60		19.08	14.42	12.60		3.18	5.30	91.60
24+56.53	24+70.00	LT	13.47	13.00		175.11					13.47		4.86	3.49	3.21		0.81	1.35	13.47
24+70.00	25+20.00	LT	50.00	7.25		362.50					50.00		10.07	7.64	6.65		1.68	2.80	50.00
25+20.00	27+05.00	LT	185.00	1.50		277.50					185.00		7.71	8.56	5.09		1.28	2.14	185.00
27+05.00	27+55.23	LT	50.23	7.25		364.17					50.23		10.12	7.67	6.68		1.69	2.81	50.23
27+55.23	27+83.98	LT	28.75	13.00		373.75							10.38	6.92	6.85		1.73	2.88	
27+83.98	28+22.00	LT	38.02	11.50		437.23							12.15	8.10	8.02		2.02	3.37	
29+14.00	29+70.00	LT	56.00	5.75		322.00							8.94	5.96	5.90		1.49	2.48	
29+70.00	29+73.26	LT	4.35		CADD		23.95				4.35		0.67	0.52	0.44		0.11	0.18	4.35
29+73.26	30+09.28	LT	36.02	8.92		321.30					36.02		8.93	6.62	5.89		1.49	2.48	36.02
21+61.00	22+08.00	RT	47.00	6.50		305.50							8.49	5.66	5.60		1.41	2.36	
22+00.00	22+10.00	RT	6.28		CADD		6.72				6.28		0.19	0.24	0.12		0.03	0.05	6.28
22+10.00	27+55.00	RT	545.00	2.50		1362.50					545.00		37.85	35.32	24.98		6.31	10.51	545.00
27+55.00	27+60.00	RT	6.06		CADD		26.21				6.06		0.73	0.60	0.48		0.12	0.20	6.06
29+14.00	29+70.00	RT	56.00	6.50		364.00							10.11	6.74	6.67		1.69	2.81	
29+70.00	29+73.26	RT	5.86		CADD		10.44				5.86		0.29	0.30	0.19		0.05	0.08	5.86
29+73.26	30+09.28	RT	36.02	2.50		90.05					36.02		2.50	2.33	1.65		0.42	0.69	36.02
CONCRETE MEDIAN																			
24+72.23	25+20.06	LT	47.83	5.50		263.07									4.87				29.23
25+20.06	27+05.00	LT	184.94	11.00		2034.34									37.67				226.04
27+05.00	27+52.99	LT	47.99	5.50		263.94									4.89				29.33
22+08.50	22+10.00	RT	1.50		CADD		3.53								0.07				0.39
22+10.00	24+70.06	RT	260.06	3.00		780.18									14.45				86.69
24+70.06	24+72.23	RT	2.17	3.25		7.05									0.13				0.78
24+72.23	27+52.99	RT	280.76	3.50		982.66									18.20				109.18
27+52.99	27+55.00	RT	2.01	3.27		6.57									0.12				0.73
27+55.00	27+56.50	RT	1.50		CADD		3.54								0.07				0.39
29+70.50	29+73.26	LT	2.76		CADD		3.92								0.07				0.44
29+73.26	30+09.28	LT	36.02	2.00		72.04									1.33				8.00
29+70.50	29+73.26	RT	2.76		CADD		7.98								0.15				0.89
29+73.26	30+09.28	RT	36.02	3.50		126.07									2.33				14.01
MAILBOX APPROACH APRONS																			
C.R. 18																			
								179.58					4.99	3.33	3.29	0.83	1.39		
C.R. 81																			
								48.78					1.36	0.90	0.89	0.23	0.38		
TOTALS CARRIED TO PAVEMENT SUBSUMMARY													171	221	113	29	48	507	1185

CALCULATED JLL
 CHECKED CJC
PAVEMENT CALCULATIONS
POR - CR18 - 0.51
 4
 13

STATION		SIDE	LENGTH (L) FT	AVERAGE WIDTH (W) FT	CURVE CORRECTION RATIO	CURB CURVE CORRECTION RATIO	SURFACE AREA (A=LxW) SF	CADD AREA SF	AREA FOR 4" EXTENSION SF	AREA FOR 6" EXTENSION SF	AREA FOR 12" EXTENSION SF	AREA FOR 14" EXTENSION SF	254 PAVEMENT PLANING, ASPHALT CONCRETE 0.5" MIN/5.5" MAX SY	302 9" ASPHALT CONCRETE BASE, PG64-22 CY	304 6" AGGREGATE BASE, AS PER PLAN CY	407 NON-TRACKING TACK COAT (0.065 GAL/SY - 3 APPLICATIONS) GAL	407 NON-TRACKING TACK COAT (0.065 GAL/SY - 1 APPLICATION) GAL	407 TACK COAT, 702.13 (0.075 GAL/SY 1 APPLICATION) GAL	441 1 1/2" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (446), PG70-22M, AS PER PLAN CY	442 2 1/2" ASPHALT CONCRETE INTERMEDIATE COURSE, 19MM, TYPE B (446), AS PER PLAN, PG70- 22M (VARIABLE, 2 1/2" TYP.) CY	609 4" CONCRETE MEDIAN SY	609 CURB, TYPE 6 FT	CALCULATED JLL	CHECKED CJC			
FROM	TO																								FT	FT	SF
C.R. 18 (TALLMADGE RD WESTBOUND)																											
FULL DEPTH LANES																											
130+09.28	132+00.00	LT	190.72	5.00	1.0034	1.0038	956.84							26.58	17.72		17.54		4.43	7.38							
132+00.00	132+07.63	LT	7.63	8.00	1.0032	1.0038	61.24							1.70	1.13		1.12		0.28	0.47							
132+07.63	132+40.76	LT	33.13	4.00	1.0029	1.0032	132.90							3.69	2.46		2.44		0.62	1.03							
FULL DEPTH SHOULDER																											
130+09.28	132+07.63	LT	198.35	4.00	1.0042	1.0045	796.73		66.41	99.62				172.45	19.67		16.03		3.69	6.15							
132+07.63	132+40.76	LT	33.13	4.00	1.0035	1.0038	132.98		11.09	16.63				28.78	3.28		2.68		0.62	1.03							
132+40.76	132+58.09	LT	17.33	2.00	1.0027	1.0029	34.75			5.79	8.69			8.77	1.07		0.76		0.16	0.27							
132+58.09	134+40.43	LT	182.34	0.00	1.0026	1.0026	0.00				213.28			0.00	3.95		0.00		0.00	0.00							
134+40.43	136+89.77	LT	249.34	0.00	0.9974	0.9974	0.00				290.14			0.00	5.37		0.00		0.00	0.00							
136+89.77	137+90.00	LT	100.23	0.00			0.00				116.94			0.00	2.17		0.00		0.00	0.00							
RESURFACING																											
130+09.28	132+00.00	LT	190.72	19.00	1.0015	1.0030	3629.12						403.24					22.18	30.24	16.80	28.00						
132+00.00	134+40.43	LT	240.43	16.00	1.0013	1.0026	3851.88						427.99					23.54	32.10	17.83	29.72						
134+40.43	136+89.77	LT	249.34	16.00	0.9987	0.9974	3984.25						442.69					24.35	33.20	18.45	30.74						
136+89.77	137+90.00	LT	100.23	16.00			1603.68						178.19					9.80	13.36	7.42	12.37						
C.R. 18 (TALLMADGE RD EASTBOUND)																											
FULL DEPTH SHOULDER																											
30+09.28	30+65.31	RT	56.03	4.00			224.12		18.68	28.01				7.13	5.53		4.51		1.04	1.73							
30+65.31	33+50.00	RT	284.69	4.00			1138.76		94.90	142.35				36.25	28.12		22.91		5.27	8.79							
RESURFACING																											
30+09.28	30+65.31	LT	56.03	10.75			602.32						66.92					3.68	5.02	2.79	4.65						
30+65.31	31+92.60	LT	127.29	10.00			1272.90						141.43					7.78	10.61	5.89	9.82						
31+92.60	37+90.00	LT	597.40								7642.46		849.16					46.70	63.69	35.38	58.97						
37+90.00	38+00.00	LT	10.00	16.01			160.10						17.79					0.98	1.33	0.74	1.24						
30+09.28	30+65.31	RT	56.03	12.00			672.36						74.71					4.11	5.60	3.11	5.19						
30+65.31	33+50.00	RT	284.69	12.00			3416.28						379.59					20.88	28.47	15.82	26.36						
33+50.00	37+50.00	RT	400.00	16.00			6400.00						711.11					39.11	53.33	29.63	49.38						
37+50.00	37+90.00	RT	40.00	16.49			659.60						73.29					4.03	5.50	3.05	5.09						
37+90.00	38+00.00	RT	10.00	17.78			177.80						19.76					1.09	1.48	0.82	1.37						
C.R. 18 (TALLMADGE RD MEDIANS) (WESTBOUND)																											
FULL DEPTH LANES																											
130+09.28	131+00.00	RT	90.72	11.00	0.9991	0.9982	997.02							27.70	20.14		18.28		4.62	7.69				90.56			
131+00.00	131+50.00	RT	50.00	6.50	0.9995	0.9990	324.84							9.02	6.94		5.96		1.50	2.51				49.95			
131+50.00	131+85.07	RT	35.07	2.00	0.9998	0.9997	70.13							1.95	1.95		1.29		0.32	0.54				35.06			
131+85.07	131+92.62	RT	8.90								40.58			1.13	0.92		0.74		0.19	0.31				8.90			
CONCRETE MEDIAN																											
130+09.28	131+00.00	RT	90.72	1.67	0.9981	0.9980	151.21														16.80						
131+00.00	131+50.04	RT	50.04	5.38	0.9978	0.9974	268.62														29.85						
131+50.04	131+85.07	RT	35.03	8.98	0.9975	0.9968	313.78														34.86						
131+85.07	131+90.34	RT	5.27								37.56										4.17						
TOTALS CARRIED TO PAVEMENT SUBSUMMARY													3786	326	135		95	209	284	181	301		86	185			

PAVEMENT CALCULATIONS

POR - CR18 - 0.51

STATION		SIDE	LENGTH (L) FT	AVERAGE WIDTH (W) FT	CURVE CORRECTION RATIO	CURB CURVE CORRECTION RATIO	SURFACE AREA (A=LxW) SF	CADD AREA SF	AREA FOR 4" EXTENSION SF	AREA FOR 6" EXTENSION SF	AREA FOR 12" EXTENSION SF	AREA FOR 14" EXTENSION SF	302	304	407	441	442	609	609	609	CALCULATED JLL	CHECKED CJC																				
FROM	TO												9" ASPHALT CONCRETE BASE, PG64-22 CY	6" AGGREGATE BASE, AS PER PLAN CY	NON-TRACKING TACK COAT (0.065 GALUSY - 3 APPLICATIONS) GAL	1 1/2" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (446), PG70-22M, AS PER PLAN CY	2 1/2" ASPHALT CONCRETE INTERMEDIATE COURSE, 19MM, TYPE B (448), AS PER PLAN, PG70- 22M (VARIABLE, 2 1/2" TYP.) CY	CONCRETE MEDIAN SY	4" CONCRETE MEDIAN SY	CURB, TYPE 6 FT																						
C.R. 18 (TALLMADGE RD MEDIANS) (EASTBOUND)																																										
FULL DEPTH LANES																																										
30+09.28	30+65.31	LT	56.03	3.25		182.10					56.03		5.06	4.41	3.34		0.84	1.41			56.03																					
30+65.31	31+84.99	LT	119.68	4.00		478.72					119.68		13.30	11.08	8.78		2.22	3.69			119.68																					
31+84.99	31+92.60	LT	5.42				41.51				5.42		1.15	0.87	0.76		0.19	0.32			5.42																					
CONCRETE MEDIAN																																										
30+09.28	30+65.31	LT	56.03	2.75		154.08									2.85						17.12																					
30+65.31	31+84.99	LT	119.68	2.00		239.36									4.43						26.60																					
31+84.99	31+88.97	LT	3.98				5.46								0.10						0.61																					
C.R. 81N (MOGADORE RD)																																										
FULL DEPTH LANES																																										
15+11.35	17+36.39	LT	225.04				5394.94						149.86	99.91	98.91		24.98	41.63																								
15+75.00	16+20.00	LT	45.00	8.63		388.35							10.79	7.19	7.12		1.80	3.00																								
16+24.93	22+03.22	LT	578.29				5049.93						140.28	93.52	92.58		23.38	38.97																								
18+06.17	23+29.80	LT	523.63				1567.44						43.54	29.03	28.74		7.26	12.09																								
22+81.54	25+86.94	LT	305.40				2295.95						63.78	42.52	42.09		10.63	17.72																								
25+85.17	25+95.68	LT	10.51	0.22		2.31							0.06	0.04	0.04		0.01	0.02																								
25+95.68	27+18.95	LT	123.27	5.94		732.22							20.34	13.56	13.42		3.39	5.65																								
27+18.95	27+19.54	LT	0.59	11.42		6.74							0.19	0.12	0.12		0.03	0.05																								
27+19.95	27+67.03	LT	47.08	5.71		268.83							7.47	4.98	4.93		1.24	2.07																								
28+16.31	28+93.95	LT	77.64				23.42						0.65	0.43	0.43		0.11	0.18																								
15+41.24	16+64.36	RT	123.12				5829.61						161.93	107.96	106.88		26.99	44.98																								
16+64.36	18+25.00	RT	160.64	34.50	0.9247	0.8495	5124.76						142.35	94.90	93.95		23.73	39.54																								
18+25.00	19+42.59	RT	117.59	31.90	0.9304	0.8608	3490.04						96.95	64.63	63.98		16.16	26.93																								
19+42.59	20+92.59	RT	150.00	25.98			3897.00						108.25	72.17	71.45		18.04	30.07																								
20+92.59	22+03.22	RT	110.63	20.22	1.0441	1.0882	2335.59						64.88	43.25	42.82		10.81	18.02																								
22+03.22	22+81.54	RT	78.32				1319.74						36.66	24.44	24.20		6.11	10.18																								
22+81.54	24+05.78	RT	124.24	17.25	1.0376	1.0753	2223.72						61.77	41.18	40.77		10.30	17.16																								
24+05.78	24+17.89	RT	12.11				225.21						6.26	4.17	4.13		1.04	1.74																								
24+17.89	24+51.68	RT	33.79	17.25	1.0350	1.0753	603.28						16.76	11.17	11.06		2.79	4.65																								
24+51.68	25+21.28	RT	69.60	17.25			1200.60						33.35	22.23	22.01		5.56	9.26																								
25+21.28	25+57.58	RT	36.3				593.80						16.49	11.00	10.89		2.75	4.58																								
25+57.58	25+86.94	RT	29.36	13.47			395.48						10.99	7.32	7.25		1.83	3.05																								
25+86.94	27+92.03	RT	205.09				874.10						24.28	16.19	16.03		4.05	6.74																								
CONCRETE MEDIAN																																										
18+48.33	20+35.66	LT	187.33				375.31										-1.74	-2.90	41.70																							
FULL DEPTH SHOULDER																																										
15+11.45	15+84.59	LT	162.70				1166.38	54.23	81.35				35.04	24.11	22.54		5.40	9.00																								
15+84.59	16+64.36	LT	79.77	4.00		319.08		26.59	39.89				10.16	7.88	6.42		1.48	2.46																								
16+64.36	17+36.39	LT	72.03	4.00	1.2345	1.2433	355.68	29.85	44.78				11.33	8.80	7.16		1.65	2.74																								
17+36.39	18+84.20	LT	183.17				606.00	61.06	91.59				19.80	14.88	12.42		2.81	4.68																								
TOTALS CARRIED TO PAVEMENT SUBSUMMARY													1314	892	866	216	360	42	45	182																						

PAVEMENT CALCULATIONS

POR - CR18 - 0.51

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 14" EXTENSION	203	254	302	304	407	407	407	407	441	442	609	CALCULATED JLL	CHECKED CJC	
											1" ROADWAY MISC.: 57 AGGREGATE	PAVEMENT PLANING, ASPHALT CONCRETE 0.5" MIN/5.5" MAX	9" ASPHALT CONCRETE BASE, PG64+22	6" AGGREGATE BASE, AS PER PLAN	NON-TRACKING TACK COAT (0.065 GAL/SY - 3 APPLICATIONS)	NON-TRACKING TACK COAT (0.065 GAL/SY - 1 APPLICATION)	NON-TRACKING TACK COAT (0.065 GAL/SY - 1 APPLICATION)	TACK COAT: 702.13 (0.075 GAL/SY 1 APPLICATION)	1 1/2" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (446), PG70+22M, AS PER PLAN	2 1/2" ASPHALT CONCRETE INTERMEDIATE COURSE, 19MM, TYPE B (449), AS PER PLAN, PG70- 22M (VARIABLE, 2 1/2" TYP.)	CURB, TYPE 6			
FROM	TO	FT	FT			SF	SF	SF	SF	SF	CY	SY	CY	CY	GAL	GAL	GAL	GAL	CY	CY	FT			
C.R. 81N (MOGADORE RD) (CONT.)																								
FULL DEPTH SHOULDER																								
18+84.20	19+42.59	LT	58.39	4.00	1.1593	1.1680	270.77						8.63	6.70	5.45				1.25	2.09				
19+42.59	20+92.59	LT	150.00	4.00			600.00						19.10	14.81	12.07				2.78	4.63				
20+92.59	23+29.80	LT	237.21	4.00	0.8407	0.8320	797.69						25.36	19.65	16.03				3.69	6.16				
23+29.80	23+74.27	LT	37.00							75.08	12.33	18.50							0.35	0.58				
23+74.27	24+51.68	LT	77.41	0.00	0.8320	0.8320	0.00						0.00	1.39	0.00				0.00	0.00				
24+51.68	24+90.90	LT	39.22	0.00			0.00						0.00	0.85	0.00				0.00	0.00				
24+90.90	25+75.00	LT	84.29					160.22	28.10	42.15			5.82	5.05	3.54				0.74	1.24				
25+75.00	25+85.17	LT	10.17	3.78			38.44		5.09	11.87			1.07	1.03	0.70				0.18	0.30		10.17		
25+85.17	25+95.68	LT	10.51	4.00			42.04		5.25	12.26			1.17	1.10	0.77				0.19	0.32		10.51		
25+95.68	27+19.54	LT	123.86	4.00			495.44		61.93	144.50			13.76	13.00	9.08				2.29	3.82		123.86		
27+19.54	27+67.03	LT	47.49	4.00			189.96		15.83	23.75			6.05	4.69	3.82				0.88	1.47				
27+67.03	28+16.31	LT	49.35					181.23	16.45	24.68			5.83	4.57	3.67				0.84	1.40				
28+16.31	28+53.00	LT	36.69	4.00			146.76		12.23	18.35			4.67	3.62	2.95				0.68	1.13				
28+53.00	28+73.00	LT	20.00	2.47			49.40		6.67	10.00			1.70	1.41	1.05				0.23	0.38				
28+73.00	28+93.95	LT	20.95	0.94			19.71		6.98	10.47			0.89	0.88	0.51				0.09	0.15				
15+41.24	16+64.36	RT	123.87					636.02	41.29	61.94			19.67	14.84	12.54				2.94	4.91				
16+64.36	18+25.00	RT	160.64	4.00	0.8407	0.8320	540.20		44.55	66.83			17.17	13.30	10.86				2.50	4.17				
18+25.00	19+42.59	RT	117.59	4.00	0.8521	0.8434	400.79		33.06	49.59			12.74	9.87	8.05				1.86	3.09				
19+42.59	20+92.59	RT	150.00	4.00			600.00		50.00	75.00			19.10	14.81	12.07				2.78	4.63				
20+92.59	22+15.00	RT	122.41	4.00	1.0969	1.1057	537.09		45.12	67.67			17.11	13.29	10.81				2.49	4.14				
22+15.00	24+05.78	RT	190.78	4.00	1.0840	1.0927	827.22		69.49	104.23			26.36	20.47	16.65				3.83	6.38				
24+05.78	24+17.33	RT	11.61					50.55	3.87	5.81			1.59	1.22	1.01				0.23	0.39				
25+21.71	25+57.58	RT	35.36					143.16	11.79	17.68			4.55	3.52	2.88				0.66	1.10				
25+57.58	25+95.68	RT	38.10	4.00			152.40		12.70	19.05			4.85	3.76	3.07				0.71	1.18				
25+95.68	27+93.03	RT	197.35	4.00			789.40		65.78	98.68			25.13	19.49	15.88				3.65	6.09				
27+93.03	28+93.95	RT	100.92					271.02	33.64	50.46			9.16	7.51	5.69				1.25	2.09				
RESURFACING																								
15+22.02	28+93.95	LT/RT	1371.93					38621.75					4291.31			236.02		321.85	178.80	298.01				
HIGHWAY VIEW DR.																								
FULL DEPTH LANES																								
9+37.37	9+67.36	LT	29.99					582.88					16.19	10.79	10.69				2.70	4.50				
9+37.37	9+65.39	RT	28.02					638.05					17.72	11.82	11.70				2.95	4.92				
FULL DEPTH SHOULDERS																								
9+37.37	9+63.96	LT	37.74					119.52	12.58	18.87			3.93	3.15	2.46				0.55	0.92				
9+63.96	9+66.83	LT	12.02					21.69	6.01	14.02			0.30	0.77	0.40				0.10	0.17		12.02		
9+11.47	9+37.37	RT	26.18					48.02		13.09	0.15			1.13										
9+37.37	9+59.00	RT	28.85					91.67	9.62	14.43			3.01	2.41	1.89				0.42	0.71				
9+59.00	9+64.89	RT	12.06					22.41	6.03	14.07			0.31	0.79	0.41				0.10	0.17		12.06		
RESURFACING																								
9+11.47	9+37.37	LT/RT	25.90					674.06					74.90			4.12	6.37		3.12	5.20				
TOTALS CARRIED TO PAVEMENT SUBSUMMARY											1	4367	296	234	189	241	7	322	226	377	169			

PAVEMENT CALCULATIONS

POR - CR18 - 0.51

STATION		SIDE	LENGTH (L) FT	AVERAGE WIDTH (W) FT	CURVE CORRECTION RATIO	CURB CURVE CORRECTION RATIO	SURFACE AREA (A=LxW) SF	CADD AREA SF	AREA FOR 4" EXTENSION SF	AREA FOR 6" EXTENSION SF	AREA FOR 12" EXTENSION SF	AREA FOR 14" EXTENSION SF	302	304	407	441	442	452	609																			
FROM	TO												12" ASPHALT CONCRETE BASE, PG6422 CY	6" AGGREGATE BASE, AS PER PLAN CY	NON-TRACKING TACK COAT (0.065 GAL/SY - 3 APPLICATIONS) GAL	1 1/2" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (446), PG70-22M CY	2 1/2" ASPHALT CONCRETE INTERMEDIATE COURSE, 19MM, TYPE B (448) CY	12" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P WITH QC/QA SY	CURB, TYPE 4-A FT																			
RAMP A																																						
FULL DEPTH LANES																																						
10+24.75	10+72.43	LT	47.68	6.73		320.89																																
10+72.43	11+17.87	LT	45.44				1180.96																															
9+92.70	10+56.07	RT	63.37	16.00		1013.92																																
10+56.07	11+02.48	RT	46.41	20.09		932.38																																
11+02.48	11+17.87	RT	15.39				596.60																															
FULL DEPTH SHOULDERS																																						
9+92.70	10+23.92	LT	31.22	6.00		187.32																																
10+23.92	11+02.24	LT	94.40				646.77																															
9+92.70	10+55.81	RT	63.11	3.00		189.33																																
10+55.81	11+25.79	RT	70.71				314.82																															
RAMP B																																						
FULL DEPTH LANES																																						
172+76.08	173+42.34	LT	66.26				1163.22																															
172+76.08	173+08.39	RT	32.31				783.45																															
173+08.39	175+61.49	RT	253.10	16.00	1.0234	1.0468	4144.36																															
175+61.49	181+16.05	RT	554.56	16.00	0.9990	0.9979	8864.09																															
181+16.05	185+00.17	RT	384.12	16.00	0.9990	0.9979	6139.77						227.40	113.70	112.56	28.42	47.37																					
185+00.17	186+94.68	RT	194.51	14.00	0.9991	0.9982	2720.69						100.77	50.38	49.88	12.60	20.99																					
FULL DEPTH SHOULDERS																																						
172+86.14	173+42.34	LT	89.28				438.54																															
173+42.34	175+61.49	LT	219.15	6.00	0.9912	0.9825	1303.33																															
175+61.49	180+16.04	LT	454.55	6.00	1.0004	1.0008	2728.39																															
180+16.04	181+16.05	LT	100.01	7.00	1.0005	1.0009	700.42																															
181+16.05	186+94.68	LT	578.63	8.00	1.0005	1.0010	4631.35						184.05	100.07	89.04	21.44	35.74																					
172+71.84	173+10.98	RT	45.75				185.20																															
173+10.98	174+80.00	RT	169.02	3.00	1.0512	1.0555	533.02																															
174+80.00	175+05.00	RT	25.00	3.50	1.0519	1.0570	92.04																															
175+05.00	175+61.49	RT	56.49	4.00	1.0526	1.0585	237.85																															
175+61.49	179+25.00	RT	363.51	4.00	0.9976	0.9974	1450.55																															
179+25.00	179+30.00	RT	5.00	3.50	0.9977	0.9974	17.46																															
179+30.00	181+16.05	RT	186.05	3.00	0.9977	0.9975	556.87																															
I-76																																						
FULL DEPTH LANES																																						
87+00.00	89+50.00	LT	250.00	12.00	1.0192	1.0213	3057.60																															
89+50.00	90+50.00	LT	100.00	6.00	1.0182	1.0192	610.92																															
FULL DEPTH SHOULDERS																																						
73+78.61	81+29.84	LT	751.23	0.00			0.00																															
87+00.00	89+50.00	LT	250.00	8.00	1.0227	1.0241	2045.40																															
89+50.00	90+50.00	LT	100.00	8.50	1.0228	1.0243	869.38																															
TOTALS CARRIED TO PAVEMENT SUBSUMMARY													764	103	861	375	93	155	599	2578	423																	

PAVEMENT CALCULATIONS

POR - CR18 - 0.51

CALCULATED
JLL
CHECKED
CJC

8
13

STATION		SIDE	LENGTH (L) FT	AVERAGE WIDTH (W) FT	CURVE CORRECTION RATIO	CURB CURVE CORRECTION RATIO	SURFACE AREA (A=L*W) SF	CADD AREA SF	AREA FOR 4" EXTENSION SF	AREA FOR 6" EXTENSION SF	AREA FOR 14" EXTENSION SF				6" AGGREGATE BASE, AS PER PLAN CY				12" NON-REINFORCED CONCRETE PAVEMENT, CLASS GC-1P WITH GC/QA SY
FROM	TO																		
RAMP C															304				452
FULL DEPTH LANES															02/CMQ/PV				02/CMQ/PV
207+45.49	207+98.83	LT	53.34	16.00			853.44							15.80				94.83	
207+98.83	208+48.83	LT	50.00	24.00			1200.00							22.22				133.33	
208+48.83	208+88.87	LT	40.04	32.00			1281.28							23.73				142.36	
208+88.87	210+67.77	LT	178.90	32.00	0.9467	0.8933	5419.67							100.36				602.19	
210+67.77	211+13.43	LT	45.66					CADD	1513.20					28.02				168.13	
209+25.81	210+62.25	RT	136.44	16.00	1.0267	1.0533	2241.33							41.51				249.04	
210+62.25	211+13.43	RT	51.18					CADD	1624.80					30.09				180.53	
FULL DEPTH SHOULDERS																			
207+76.92	207+82.57	LT	2.43					CADD	13.88					0.26				1.54	
207+82.57	207+98.83	LT	16.26	3.00			48.78							0.90				5.42	
207+98.83	208+48.83	LT	50.00	3.00			150.00							2.78				16.67	
208+48.83	208+88.87	LT	40.04	3.00			120.12							2.22				13.35	
208+88.87	210+67.77	LT	178.90	3.00	0.8883	0.8833	476.75							8.83				52.97	
210+67.77	210+72.77	LT	3.14					CADD	16.49					0.31				1.83	
207+45.49	207+63.68	RT	20.99					CADD	205.43		10.50			4.00				22.83	
207+63.68	208+36.99	RT	73.31	7.00			513.17							10.18				57.02	
208+36.99	208+37.99	RT	1.57					CADD	7.21		0.79			0.15				0.80	
209+25.81	210+62.25	RT	136.44	6.00	1.0633	1.0733	870.46							17.48				96.72	
210+62.25	211+30.94	RT	79.51					CADD	412.11		39.76			8.37				45.79	
C.R. 81 S																			
FULL DEPTH LANES																			
300+03.24	300+21.86	LT	18.62	10.00			186.20							3.45				20.69	
300+21.86	300+23.48	LT	1.62	20.00			32.40							0.60				3.60	
300+23.48	300+90.18	LT	66.70	20.00	1.1250	1.2500	1500.75							27.79				166.75	
300+90.18	301+42.34	LT	52.16					CADD	924.26					17.12				102.70	
301+42.34	301+85.70	LT	43.36	16.00	0.9690	0.9380	672.25							12.45				74.69	
301+85.70	302+43.20	LT	57.50	21.17	0.9590	0.9179	1167.37							21.62				129.71	
302+43.20	303+27.69	LT	84.49					CADD	3070.26					56.86				341.14	
FULL DEPTH SHOULDERS																			
300+00.49	300+03.24	LT	2.75					CADD	19.76		1.38			0.39				2.20	
300+03.24	300+23.48	LT	20.24	6.00			121.44							2.44				13.49	
300+23.48	300+90.18	LT	66.70	6.00	1.2875	1.3250	515.26							10.36				57.25	
300+90.18	301+42.34	LT	52.36					CADD	314.15		26.18			6.30				34.91	
301+42.34	301+84.70	LT	42.36	6.00	0.9264	0.9147	235.45							4.72				26.16	
301+84.70	302+92.71	LT	112.09					CADD	770.87		56.05			15.31				85.65	
300+21.86	300+23.48	RT	1.62	0.87			1.41							0.03				0.16	
300+23.48	300+24.70	RT	1.22	2.37	0.9852	0.9704	2.85							0.05				0.32	
300+24.70	300+31.87	RT	7.17	3.00	0.9813	0.9625	21.11							0.39				2.35	
300+31.87	300+90.18	RT	58.31	3.00	0.9813	0.9625	171.66							3.18				19.07	
300+90.18	301+42.34	RT	52.16	3.00			156.48							2.90				17.39	
301+42.34	302+99.43	RT	157.09	3.00	1.0058	1.0116	474.00							8.78				52.67	
302+99.43	303+04.43	RT	3.14					CADD	16.49					0.31				1.83	
TOTALS CARRIED TO PAVEMENT SUBSUMMARY														513				3039	

PAVEMENT CALCULATIONS

POR - CR18 - 0.51

CALCULATED
JLL
CHECKED
CJC

STATION		SIDE	LENGTH (L) FT	AVERAGE WIDTH (W) FT	CURVE CORRECTION RATIO	CURB CURVE CORRECTION RATIO	SURFACE AREA (A=LxW) SF	CADD AREA SF	AREA FOR 4" EXTENSION SF	AREA FOR 6" EXTENSION SF	AREA FOR 14" EXTENSION SF	302		304		304		407		441		442		452		609				
FROM	TO											12" ASPHALT CONCRETE BASE, PG64-22 CY	6" AGGREGATE BASE, AS PER PLAN CY	15" AGGREGATE BASE, AS PER PLAN CY	NON-TRACKING TACK COAT (0.065 GAL/SY - 3 APPLICATIONS) GAL	1 1/2" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG70-22M CY	2 1/2" ASPHALT CONCRETE INTERMEDIATE COURSE, 19MM, TYPE B (448) CY	12" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P WITH QC/QA SY		CONCRETE MEDIAN SY										
C.R. 81 S STUB																														
FULL DEPTH LANES																														
402+04.83	402+82.33	RT	77.50	12.00	0.9973	0.9946	927.49																							
402+82.33	403+53.30	RT	70.97					CADD																						
FULL DEPTH SHOULDERS																														
402+04.83	402+64.06	LT	59.23	1.50	1.0003	1.0007	88.87																							
402+64.06	402+64.66	LT	1.41					CADD																						
402+04.83	402+09.83	RT	5.00	3.63	0.9938	0.9930	18.04																							
402+09.83	402+82.33	RT	72.50	4.00	0.9937	0.9928	288.17																							
402+82.33	403+53.30	RT	70.70					CADD																						
RAMP C / C.R. 81 S MEDIAN																														
CONCRETE MEDIANS																														
207+81.57	208+88.87	LT	107.30					CADD																						
208+88.87	210+67.77	LT	178.90	4.00	0.8767	0.8700	627.37																							
210+67.77	210+69.77	LT	2.00					CADD																						
RAMP C / C.R. 81 S STUB MEDIAN																														
CONCRETE MEDIANS																														
207+42.47	208+37.98	RT	95.51					CADD																						
RAMP D																														
FULL DEPTH LANES																														
500+36.57	500+70.14	LT	33.57					CADD																						
500+70.14	501+00.00	LT	29.86	17.31			516.88																							
501+00.00	501+56.57	LT	56.57	16.00			905.12																							
500+36.57	500+94.71	RT	58.14					CADD																						
500+94.71	501+40.00	RT	45.29	6.38			288.95																							
FULL DEPTH SHOULDERS																														
500+45.04	501+00.00	LT	56.37					CADD																						
501+00.00	501+41.00	LT	41.00	3.00			123.00																							
501+41.00	501+56.57	LT	15.57	2.76			42.97																							
500+66.53	501+40.83	RT	99.42					CADD																						
501+40.83	501+56.57	RT	15.74	6.25			98.37																							
GORE																														
I-76 / RAMP B																														
81+29.84	85+09.04	LT	379.20					CADD																						
RAMP C / C.R. 81 S STUB																														
208+37.99	209+25.81	RT	87.82					CADD																						
TOTALS CARRIED TO PAVEMENT SUBSUMMARY																														
												158	106	137	109	79		20	33	620	339	262								

CALCULATED: JLL
 CHECKED: CJC
PAVEMENT CALCULATIONS
POR - CR18 - 0.51
 10
 13

STATION		SIDE	LENGTH (L) FT	AVERAGE WIDTH (W) FT	CURVE CORRECTION RATIO	CURB CURVE CORRECTION RATIO	SURFACE AREA (A=LxW) SF	CADD AREA SF	AREA FOR 4" EXTENSION SF	AREA FOR 6" EXTENSION SF	AREA FOR 14" EXTENSION SF	209		408	441	617	617	617				CALCULATED JLL	CHECKED CJC											
FROM	TO											STA	GAL											CY	CY	SY	MGAL							
												01/CMQ/PV/ PCE	02/CMQ/PV	02/CMQ/PV	01/CMQ/PV/ PCE	02/CMQ/PV	02/CMQ/PV	02/CMQ/PV	02/CMQ/PV	02/CMQ/PV														
PAVING UNDER GUARDRAIL																																		
C.R. 18																																		
9+98.74	10+19.62	LT	20.88					147.74				0.21			0.91																			
10+19.62	10+35.55	LT	15.93	5.00			79.65					0.16			0.49																			
10+35.55	10+62.45	LT	26.90	4.50			121.05					0.27			0.75																			
10+62.45	10+94.94	LT	32.49	4.50	0.9722	0.9699	142.14					0.32			0.88																			
10+94.94	11+96.00	LT	101.06	4.50	0.9707	0.9685	441.45					0.98			2.73																			
11+96.00	12+16.55	LT	20.55	4.50	1.0296	1.0333	95.21					0.21			0.59																			
12+16.55	13+25.53	LT	108.98	4.50	1.0314	1.0336	505.81					1.13			3.12																			
13+25.53	13+46.20	LT	20.67	4.50			93.02					0.21			0.57																			
13+46.20	13+67.88	LT	32.55					147.66				0.33			0.91																			
17+69.45	20+15.85	LT	246.40	5.00			1232.00					2.46			7.60																			
25+39.50	25+52.00	LT	12.50	5.00			62.50					0.13			0.39																			
25+52.00	27+27.00	LT	175.00	4.50			787.50					1.75			4.86																			
27+27.00	27+46.22	LT	19.22	5.00			96.10					0.19			0.59																			
27+46.22	27+64.30	LT	18.08					106.13				0.18			0.66																			
17+03.51	19+62.88	RT	259.37	5.00			1296.85					2.59			8.01																			
23+75.88	24+79.00	RT	103.12	5.00			515.60					1.03			3.18																			
24+79.00	26+54.00	RT	175.00	4.50			787.50					1.75			4.86																			
26+54.00	26+66.50	RT	12.50	5.00			62.50					0.13			0.39																			
RAMP B																																		
172+91.77	173+42.34	LT	50.57					397.70				0.51			2.45																			
173+42.34	175+61.49	LT	219.15	5.00	0.9752	0.9678	1068.58					2.12			6.60																			
175+61.49	180+16.04	LT	454.55	5.00	1.0011	1.0014	2275.25					4.55			14.04																			
180+16.04	181+16.04	LT	100.00	5.00	1.0011	1.0014	500.55					1.00			3.09																			
181+16.04	183+44.28	LT	228.24	5.00	1.0011	1.0014	1142.46					2.29			7.05																			
SHOULDER PREPARATION / COMPACTED AGGREGATE																																		
RAMP A																																		
9+92.70	10+23.92	LT	31.22	2.00			62.44							2.78	0.39	6.94	0.019																	
10+23.92	10+94.36	LT	70.44					409.40						18.20	2.53	45.49	0.123																	
9+92.70	10+55.81	RT	63.11	3.00			189.33							8.41	1.17	21.04	0.057																	
10+55.81	11+19.07	RT	63.26					207.42						9.22	1.28	23.05	0.062																	
RAMP B																																		
172+75.49	173+10.98	RT	35.49					257.80						11.46	1.59	28.64	0.077																	
173+10.98	174+50.00	RT	139.02	6.00	1.0643	1.0731	887.75							39.46	5.48	98.64	0.266																	
174+50.00	175+00.00	RT	50.00	4.50	1.0621	1.0687	238.97							10.62	1.48	26.55	0.072																	
175+00.00	175+05.00	RT	5.00	1.50	1.0577	1.0599	7.93							0.35	0.05	0.88	0.002																	
179+25.00	179+30.00	RT	5.00	1.50	0.9973	0.9973	7.48							0.33	0.05	0.83	0.002																	
179+30.00	181+16.05	RT	186.05	3.00	0.9973	0.9971	556.64							24.74	3.44	61.85	0.167																	
RAMP C																																		
209+25.81	210+62.25	RT	136.44	5.00	1.0817	1.0900	737.94							32.80	4.56	81.99	0.221																	
210+62.25	211+27.45	RT	65.20					384.59						17.09	2.37	42.73	0.115																	
TOTALS CARRIED TO PAVEMENT SUBSUMMARY												15	11		176	42	34	25	439	1.19														

PAVEMENT CALCULATIONS
POR - CR18 - 0.51

11
13

STATION		SIDE	LENGTH (L) FT	AVERAGE WIDTH (W) FT	CURVE CORRECTION RATIO	CURB CURVE CORRECTION RATIO	SURFACE AREA (A=LxW) SF	CADD AREA SF	AREA FOR 4" EXTENSION SF	AREA FOR 6" EXTENSION SF	AREA FOR 14" EXTENSION SF				408			605		617	617	617		618	618	CALCULATED JLL	CHECKED CJC														
FROM	TO														GAL			FT		CY	SY	MGAL		MILE	MILE																
SHOULDER PREPARATION / COMPACTED AGGREGATE (CONT.)															02/CMQ/PV		01/CMQ/PV/ PCE		02/CMQ/PV	02/CMQ/PV	02/CMQ/PV		02/CMQ/PV	02/CMQ/PV																	
C.R. 81 S																																									
300+00.49	300+23.48	RT	22.99	2.00			45.98								2.04					0.28	5.11	0.014																			
300+23.48	300+26.01	RT	2.53	2.00			5.06								0.22					0.03	0.56	0.002																			
300+26.01	300+54.11	RT	28.10	3.50	1.3469	1.3688	132.47								5.89					0.82	14.72	0.040																			
300+54.11	300+90.18	RT	36.07	5.00			180.35								8.02					1.11	20.04	0.054																			
300+90.18	301+42.34	RT	52.16					261.79							11.64					1.62	29.09	0.079																			
301+42.34	301+84.70	RT	42.36	5.00	1.0950	1.1047	231.92								10.31					1.43	25.77	0.070																			
301+84.70	302+81.87	RT	114.76					309.90							13.77					1.91	34.43	0.093																			
C.R. 81 S STUB																																									
402+04.83	402+09.83	RT	5.00	1.00	0.9925	0.9923	4.96								0.22					0.03	0.55	0.001																			
402+09.83	402+82.33	RT	72.50	2.00	0.9923	0.9919	143.88								6.39					0.89	15.99	0.043																			
402+82.33	403+53.30	RT	70.97					281.55							12.51					1.74	31.28	0.084																			
RAMP D																																									
500+52.43	501+00.00	LT	114.76					163.81							7.28					1.01	18.20	0.049																			
501+00.00	501+56.57	LT	56.57	3.00			169.71								7.54					1.05	18.86	0.051																			
500+70.47	501+41.44	RT	114.76					478.09							21.25					2.95	53.12	0.143																			
501+41.44	501+56.57	RT	15.13	5.00			75.65								3.36					0.47	8.41	0.023																			
RUMBLE STRIPS																																									
RAMP B																																									
182+16.05	186+94.68	LT	478.63																					0.09																	
I.R. 76																																									
73+78.61	82+29.84	LT	851.23		1.0213	1.0213																					0.16														
87+00.00	90+50.00	LT	350.00		1.0192	1.0192																		0.07																	
AGGREGATE DRAINS																																									
C.R. 18																																									
29+90.58	30+09.28	RT	18.70	8.50														3.18																							
C.R. 18 EB																																									
30+09.28	38+00.00	RT	790.72	8.50														134.42																							
TOTALS CARRIED TO PAVEMENT SUBSUMMARY															111				138														16	277	0.75		0.17	0.16			

PAVEMENT CALCULATIONS

POR - CR18 - 0.51

