

M:\5074\93455\Design\Roadway\Sheet\93455C001.dgn 11/20/2019 8:50:34 AM mdg2ll

STATION RANGE	TYPICAL SECTION	SIDE	DISTANCE (D)	AVERAGE WIDTH (W)	SURFACE AREA (A) A=DxW / 9	CADD GENERATED AREA	206	206	254	302		304		407			442	442	442							
							CURING COAT	CEMENT STABILIZED SUBGRADE, 12 INCHES DEEP	PAVEMENT PLANING, ASPHALT CONCRETE	ASPHALT CONCRETE BASE, PG64-22	AGGREGATE BASE	NON-TRACKING TACK COAT	ANTI-SEGREGATION EQUIPMENT	ASPHALT CONCRETE INTERMEDIATE COURSE, 19 MM, TYPE A (446), AS PER PLAN	ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (447)	SY	SY	SY	CY	CY	GAL	CY	CY	CY	FT	FT
TO US 30 - EASTBOUND LANES																										
488+75.00			489+00.00	25.00	58.00	161.11								8.86												6.71
489+00.00		RT	493+99.69	499.69	53.00	2942.62								323.69			122.61	143.04	122.61							
489+00.00		RT	493+99.69	499.69	53.67	2979.63				496.61																
489+00.00		RT	493+99.69	499.69	54.67	3035.15						505.86														
489+00.00		RT	493+99.69	499.69	56.00	3109.18	3109.18	3109.18																		
493+99.69		RT	500+76.38	676.69	48.00	3609.01								396.99			150.38	175.44	150.38							
493+99.69		RT	500+76.38	676.69	48.67	3659.14				609.86																
493+99.69		RT	500+76.38	676.69	49.67	3734.33						622.39														
493+99.69		RT	500+76.38	676.69	51.00	3834.58	3834.58	3834.58																		
500+76.38		RT	502+92.15	215.77	49.80	1193.84								65.66			49.74		49.74							
500+76.38		RT	502+92.15	215.77	51.20	1227.55								67.52				59.67								
500+76.38		RT	502+92.15	215.77	51.54	1235.54				205.92																
500+76.38		RT	502+92.15	215.77	52.04	1247.53						207.92														
500+76.38		RT	502+92.15	215.77	52.70	1263.51	1263.51	1263.51																		
502+92.15		RT	508+69.78	577.63	48.00	3080.63								169.43			128.36		128.36							
502+92.15		RT	508+69.78	577.63	49.41	3170.87								174.40				154.14								
502+92.15		RT	508+69.78	577.63	49.74	3192.26				532.04																
502+92.15		RT	508+69.78	577.63	50.24	3224.35						537.39														
502+92.15		RT	508+69.78	577.63	50.91	3267.14	3267.14	3267.14																		
508+69.78		RT	512+40.78	371.00		2347.71								129.12			97.82		97.82							
508+69.78		RT	512+40.78	371.00		2405.67								132.31				116.94								
508+69.78		RT	512+40.78	371.00		2419.33				403.22																
508+69.78		RT	512+40.78	371.00		2439.82						406.64														
508+69.78		RT	512+40.78	371.00		2467.13	2467.13	2467.13																		
512+40.78		RT	517+34.00	493.22	40.00	2192.03								120.56			91.33		91.33							
512+40.78		RT	517+34.00	493.22	41.41	2269.09								124.80				110.30								
512+40.78		RT	517+34.00	493.22	41.74	2287.35				381.23																
512+40.78		RT	517+34.00	493.22	42.24	2314.75						385.79														
512+40.78		RT	517+34.00	493.22	42.91	2351.29	2351.29	2351.29																		
517+34.00		RT	518+14.00	80.00	40.67	361.47								19.88			15.06		15.06							
517+34.00		RT	518+14.00	80.00	42.07	373.97								20.57				18.18								
517+34.00		RT	518+14.00	80.00	42.40	376.93				62.82																
517+34.00		RT	518+14.00	80.00	42.90	381.38						63.56														
517+34.00		RT	518+14.00	80.00	43.57	387.30	387.30	387.30																		
518+14.00		RT	518+54.00	40.00	40.67	180.73								9.94			7.53		7.53							
518+14.00		RT	518+54.00	40.00	43.07	191.43								10.53				9.31								
518+14.00		RT	518+54.00	40.00	43.40	192.91				32.15																
518+14.00		RT	518+54.00	40.00	43.90	195.13						32.52														
518+14.00		RT	518+54.00	40.00	44.57	198.10	198.10	198.10																		
518+54.00		RT	519+22.00	68.00	40.00	302.22								16.62			12.59		12.59							
518+54.00		RT	519+22.00	68.00	43.41	327.95								18.04				15.94								
518+54.00		RT	519+22.00	68.00	43.74	330.47				55.08																
518+54.00		RT	519+22.00	68.00	44.24	334.25						55.71														
518+54.00		RT	519+22.00	68.00	44.91	339.28	339.28	339.28																		
SUBTOTALS CARRIED TO SHEET 38							17217.51	17217.51	161.11	2778.93		2817.78		1808.92			675.43	802.97	682.14							

PAVEMENT CALCULATIONS - U.S. 30

RIC-30-9.26

CALCULATED
JJM
CHECKED
SDS

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STATION RANGE	TYPICAL SECTION	SIDE	DISTANCE (D)	AVERAGE WIDTH (W)	SURFACE AREA (A) A=DxW / 9	CADD GENERATED AREA	206	206	302	304	407	442	442	442					
							CURING COAT	CEMENT STABILIZED SUBGRADE, 12 INCHES DEEP	ASPHALT CONCRETE BASE, PG64-22	AGGREGATE BASE	NON-TRACKING TACK COAT	ANTI-SEGREGATION EQUIPMENT	ASPHALT CONCRETE INTERMEDIATE COURSE, 19 MM, TYPE A (446), AS PER PLAN	ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (447)	SY	SY	CY	CY	CY
TO			FT	FT	SY	SY	SY	SY	CY	CY	GAL	CY	CY	CY					
556+79.84		RT	371.00			2347.75					129.13		97.82						
556+79.84		RT	371.00			2405.67					132.31		116.94						
556+79.84		RT	371.00			2419.33			403.22										
556+79.84		RT	371.00			2439.82				406.64									
556+79.84		RT	371.00			2467.13	2467.13	2467.13											
560+50.84		RT	597.52	40.00	2655.64						146.06		110.65						
560+50.84		RT	597.52	41.41	2749.26						151.21			133.64					
560+50.84		RT	597.52	41.74	2771.39				461.90										
560+50.84		RT	597.52	42.24	2804.58					467.43									
560+50.84		RT	597.52	42.91	2848.84		2848.84	2848.84											
ADDITIONAL FOR CURB AREA																			
566+58.00		RT	29.56	2.00	6.57				1.09		0.72		0.27	0.32	0.27				
566+58.00		RT	29.56	2.83	9.31					1.55									
566+58.00		RT	29.56	3.50	11.50		11.50	11.50											
ADDITIONAL 304 UNDER APPROACH SLAB																			
566+48.36		RT	32.72	43.91	159.64					26.61									
566+48.36		RT	32.72	45.41	165.09		165.09	165.09											
566+47.36		RT	1.00	43.91	4.88					2.03									
566+54.36		RT	1.00	43.91	4.88					1.22									
568+87.89		RT	32.72	43.91	159.64					26.61									
569+20.61		RT	1.00	43.91	4.88					2.03									
569+13.61		RT	1.00	43.91	4.88					1.22									
569+20.61		RT	474.91	40.00	2110.71						116.09		87.95		87.95				
569+20.61		RT	474.91	41.41	2185.11						120.18			106.22					
569+20.61		RT	474.91	41.74	2202.70				367.12										
569+20.61		RT	474.91	42.24	2229.09					371.51									
569+20.61		RT	474.91	42.91	2264.27		2264.27	2264.27											
573+95.52		RT	188.07			1328.24					73.05		55.34		55.34				
573+95.52		RT	188.07			1357.60					74.67			65.99					
573+95.52		RT	188.07			1364.44			227.41										
573+95.52		RT	188.07			1374.70				229.12									
573+95.52		RT	188.07			1388.37	1388.37	1388.37											
575+83.59		RT	1050.08	50.50	5892.12						324.07		245.50		245.50				
575+83.59		RT	1050.08	51.91	6056.04						333.08			294.39					
575+83.59		RT	1050.08	52.24	6094.94				1015.82										
575+83.59		RT	1050.08	52.74	6153.27					1025.55									
575+83.59		RT	1050.08	53.41	6231.06		6231.06	6231.06											
586+33.67		RT	199.92	40.00	888.53						48.87		37.02		37.02				
586+33.67		RT	199.92	41.41	919.85						50.59			44.72					
586+33.67		RT	199.92	41.74	927.26				154.54										
586+33.67		RT	199.92	42.24	938.37					156.39									
586+33.67		RT	199.92	42.91	953.17		953.17	953.17											
588+33.59		RT	1059.65	40.00	4709.56						259.03		196.23		196.23				
588+33.59		RT	1059.65	41.41	4875.57						268.16			237.01					
588+33.59		RT	1059.65	41.74	4914.81				819.14										
588+33.59		RT	1059.65	42.24	4973.68					828.95									
588+33.59		RT	1059.65	42.91	5052.18		5052.18	5052.18											
SUBTOTALS CARRIED TO SHEET 38							21381.60	21381.60	3450.24	3546.85	2227.21	830.80	999.23	830.80					

CALCULATED	JJM	CHECKED	SDS
PAVEMENT CALCULATIONS - U.S. 30			
RIC-30-9.26			
3 38			

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STATION RANGE	TYPICAL SECTION	SIDE	DISTANCE (D)	AVERAGE WIDTH (W)	SURFACE AREA (A) A=DxW / 9	CADD GENERATED AREA	206	206	302	304	407	442	442	442					
							CURING COAT	CEMENT STABILIZED SUBGRADE, 12 INCHES DEEP	ASPHALT CONCRETE BASE, PG64-22	AGGREGATE BASE	NON-TRACKING TACK COAT	ANTI-SEGREGATION EQUIPMENT	ASPHALT CONCRETE INTERMEDIATE COURSE, 19 MM, TYPE A (446), AS PER PLAN	ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (447)	SY	SY	CY	CY	CY
			FT	FT	SY	SY	SY	SY	CY	CY	GAL	CY	CY	CY					
TO																			
ADDITIONAL 304 UNDER APPROACH SLAB																			
598+93.24		599+15.24	RT	22.00	43.91	107.34				17.89									
598+92.24		599+15.24	RT	23.00	45.41	116.05	116.05	116.05											
598+91.24		598+92.24	RT	1.00	43.91	4.88			2.03										
598+98.24		598+99.24	RT	1.00	43.91	4.88			1.22										
600+88.74		601+10.74	RT	22.00	43.91	107.34				17.89									
600+88.74		601+10.74	RT	22.00	45.41	111.00	111.00	111.00											
601+10.74		601+11.74	RT	1.00	43.91	4.88			2.03										
601+03.74		601+04.74	RT	1.00	43.91	4.88			1.22										
601+10.74		602+50.00	RT	139.26	40.00	618.93				34.04		25.79		25.79					
601+10.74		602+50.00	RT	139.26	41.41	640.75				35.24			31.15						
601+10.74		602+50.00	RT	139.26	41.74	645.91			107.65										
601+10.74		602+50.00	RT	139.26	42.24	653.65				108.94									
601+10.74		602+50.00	RT	139.26	42.91	663.96	663.96	663.96											
ADDITIONAL FOR CURB AREA																			
601+08.40		601+45.00	RT	36.60	2.00	8.13			1.36		0.89	0.34	0.40	0.34					
601+08.40		601+45.00	RT	36.60	2.83	11.52			1.92										
601+08.40		601+45.00	RT	36.60	3.50	14.23	14.23	14.23											
602+50.00		607+75.00	RT	525.00	41.60	2426.67				133.47		101.11		101.11					
602+50.00		607+75.00	RT	525.00	44.41	2590.58				142.48			125.93						
602+50.00		607+75.00	RT	525.00	44.74	2610.03			435.00										
602+50.00		607+75.00	RT	525.00	45.24	2639.19				439.87									
602+50.00		607+75.00	RT	525.00	45.91	2678.08	2678.08	2678.08											
607+75.00		609+75.00	RT	200.00	53.42	1187.11				65.29		49.46		49.46					
607+75.00		609+75.00	RT	200.00	56.23	1249.56				68.73			60.74						
607+75.00		609+75.00	RT	200.00	56.56	1256.96			209.49										
607+75.00		609+75.00	RT	200.00	57.06	1268.07				211.35									
607+75.00		609+75.00	RT	200.00	57.73	1282.89	1282.89	1282.89											
609+75.00		610+10.61	RT	35.61	61.19	242.11				13.32		10.09		10.09					
609+75.00		610+10.61	RT	35.61	64.00	253.23				13.93			12.31						
609+75.00		610+10.61	RT	35.61	64.33	254.55			42.42										
609+75.00		610+10.61	RT	35.61	64.83	256.52				42.75									
609+75.00		610+10.61	RT	35.61	65.50	259.16	259.16	259.16											
SUBTOTALS CARRIED TO SHEET 38							5125.38	5125.38	795.93	847.11	507.39	186.79	230.53	186.79					

CALCULATED JUM CHECKED SDS	PAVEMENT CALCULATIONS - U.S. 30	RIC-30-9.26	4 38
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STATION RANGE	TYPICAL SECTION	SIDE	DISTANCE (D)	AVERAGE WIDTH (W)	SURFACE AREA (A) A=DxW/9	CADD GENERATED AREA	206	206	302	304	407	442	442	442						
							CURING COAT	CEMENT STABILIZED SUBGRADE, 12 INCHES DEEP	ASPHALT CONCRETE BASE, PG64-22	AGGREGATE BASE	NON-TRACKING TACK COAT	ANTI-SEGREGATION EQUIPMENT	ASPHALT CONCRETE INTERMEDIATE COURSE, 19 MM, TYPE A (446), AS PER PLAN	ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (447)						
TO			FT	FT	SY	SY	SY	SY	CY	CY	GAL	CY	CY	CY						
626+93.01		RT	8.39	61.19	57.04						3.14			2.38						
626+93.01		RT	8.39	66.20	61.71						3.39			3.00						
626+93.01		RT	8.39	66.53	62.02			10.34												
626+93.01		RT	8.39	67.03	62.49				10.41											
626+93.01		RT	8.39	67.70	63.11		63.11	63.11												
627+01.40		RT	17.01	64.00	120.96						6.65			5.04					5.04	
627+01.40		RT	17.01	66.20	125.12						6.88			6.08						
627+01.40		RT	17.01	66.53	125.75			20.96												
627+01.40		RT	17.01	67.03	126.69				21.12											
627+01.40		RT	17.01	67.70	127.95		127.95	127.95												
627+18.41		RT	20.59	64.00	146.42				24.40		16.11			6.10	7.12				6.10	
627+18.41		RT	20.59	64.83	148.32					24.72										
627+18.41		RT	20.59	65.50	149.85		149.85	149.85												
627+39.00		RT	11.00	60.00	73.33						8.07			3.06	3.56				3.06	
627+39.00		RT	11.00	60.33	73.74				12.29											
627+39.00		RT	11.00	60.83	74.35					12.39										
627+39.00		RT	11.00	61.50	75.17		75.17	75.17												
627+50.00		RT	490.62	56.00	3052.75						335.80			127.20	148.40				127.20	
627+50.00		RT	490.62	56.33	3070.92				511.82											
627+50.00		RT	490.62	56.83	3098.17					516.36										
627+50.00		RT	490.62	57.50	3134.52		3134.52	3134.52												
632+40.62		RT				2564.27					141.03			106.84					106.84	
632+40.62		RT				2601.32					143.07			126.45						
632+40.62		RT				2615.91			435.99											
632+40.62		RT				2637.80				439.63										
632+40.62		RT				2666.98	2666.98	2666.98												
636+37.31		RT	502.48	40.00	2233.24						122.83			93.05					93.05	
636+37.31		RT	502.48	41.41	2311.97						127.16			112.39						
636+37.31		RT	502.48	41.74	2330.58				388.43											
636+37.31		RT	502.48	42.24	2358.49					393.08										
636+37.31		RT	502.48	42.91	2395.71		2395.71	2395.71												
641+39.79		RT				1357.43					74.66			56.56					56.56	
641+39.79		RT				1389.99					76.45			67.57						
641+39.79		RT				1395.53			232.59											
641+39.79		RT				1403.89				233.98										
641+39.79		RT				1416.92	1416.92	1416.92												
ADDITIONAL 304 UNDER APPROACH SLAB																				
643+48.68		RT	27.18	65.33	197.30					32.88										
643+48.68		RT	27.18	66.83	201.83		201.83	201.83												
643+47.68		RT	1.00	65.33	7.26					3.02										
643+54.68		RT	1.00	65.33	7.26					1.81										
645+90.04		RT	27.17	66.50	200.76					33.46										
645+90.04		RT	27.17	68.00	205.28		205.28	205.28												
646+17.21		RT	1.00	66.50	7.39					3.08										
646+10.21		RT	1.00	66.50	7.39					1.85										
SUBTOTALS CARRIED TO SHEET 38							10437.32	10437.32	1636.81	1727.81	1065.24	400.23	474.57	400.23						

CALCULATED	JJM	CHECKED	SDS
PAVEMENT CALCULATIONS - U.S. 30			
RIC-30-9.26			
5			
38			

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STATION RANGE	TYPICAL SECTION	SIDE	DISTANCE (D)	AVERAGE WIDTH (W)	SURFACE AREA (A) A=DxW/9	CADD GENERATED AREA	206	206	302	304	407	442	442	442					
							CURING COAT	CEMENT STABILIZED SUBGRADE, 12 INCHES DEEP	ASPHALT CONCRETE BASE, PG64-22	AGGREGATE BASE	NON-TRACKING TACK COAT	ANTI-SEGREGATION EQUIPMENT	ASPHALT CONCRETE INTERMEDIATE COURSE, 19 MM, TYPE A (446), AS PER PLAN	ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (447)	SY	SY	CY	CY	CY
			FT	FT	SY	SY	SY	SY		CY		CY	CY	CY					
	TO																		
646+17.21	647+00.00	RT	82.79	65.00	597.93						32.89		24.91		24.91				
646+17.21	647+00.00	RT	82.79	66.50	611.73						33.64			29.74					
646+17.21	647+00.00	RT	82.79	66.50	611.73			101.95											
646+17.21	647+00.00	RT	82.79	66.50	611.73				101.95										
646+17.21	647+00.00	RT	82.79	66.50	611.73		611.73	611.73											
647+00.00	649+90.00	RT	290.00	61.00	1965.56						108.11		81.90		81.90				
647+00.00	649+90.00	RT	290.00	62.41	2010.83						110.60			97.75					
647+00.00	649+90.00	RT	290.00	62.74	2021.57			336.93											
647+00.00	649+90.00	RT	290.00	63.24	2037.68				339.61										
647+00.00	649+90.00	RT	290.00	63.91	2059.16		2059.16	2059.16											
649+90.00	652+19.56	RT	229.56	58.65	1495.84						82.27		62.33		62.33				
649+90.00	652+19.56	RT	229.56	60.05	1531.61						84.24			74.45					
649+90.00	652+19.56	RT	229.56	60.38	1540.11			256.69											
649+90.00	652+19.56	RT	229.56	60.88	1552.87				258.81										
649+90.00	652+19.56	RT	229.56	61.55	1569.87		1569.87	1569.87											
ADDITIONAL 304 UNDER APPROACH SLAB																			
652+19.56	652+46.98	RT	27.42	61.00	185.85				30.97										
652+19.56	652+46.98	RT	27.42	62.50	190.42		190.42	190.42											
652+18.56	652+19.56	RT	1.00	61.00	6.78				2.82										
652+25.56	652+26.56	RT	1.00	61.00	6.78				1.69										
654+35.39	654+62.79	RT	27.40	56.50	172.01				28.67										
654+35.39	654+62.79	RT	27.40	58.00	176.58		176.58	176.58											
654+62.79	654+63.79	RT	1.00	56.50	6.28				2.62										
654+55.79	654+56.79	RT	1.00	56.50	6.28				1.57										
654+62.79	655+88.27	RT	125.48	50.59	705.34						38.79		29.39		29.39				
654+62.79	655+88.27	RT	125.48	52.00	724.93						39.87			35.24					
654+62.79	655+88.27	RT	125.48	52.33	729.57			121.60											
654+62.79	655+88.27	RT	125.48	52.83	736.54				122.76										
654+62.79	655+88.27	RT	125.48	53.50	745.84		745.84	745.84											
655+88.27	656+40.00	RT	51.73	50.52	290.35						15.97		12.10		12.10				
655+88.27	656+40.00	RT	51.73	54.09	310.90						17.10			15.11					
655+88.27	656+40.00	RT	51.73	54.42	312.79			52.13											
655+88.27	656+40.00	RT	51.73	54.92	315.67				52.61										
655+88.27	656+40.00	RT	51.73	55.59	319.52		319.52	319.52											
656+40.00	665+00.00	RT	860.00	50.00	4777.78						262.78		199.07		199.07				
656+40.00	665+00.00	RT	860.00	53.58	5119.87						281.59			248.88					
656+40.00	665+00.00	RT	860.00	54.42	5200.13			866.69											
656+40.00	665+00.00	RT	860.00	54.92	5247.91				874.65										
656+40.00	665+00.00	RT	860.00	55.59	5311.93		5311.93	5311.93											
665+00.00	670+44.77	RT	544.77	48.00	2905.44						159.80		121.06		121.06				
665+00.00	670+44.77	RT	544.77	49.41	2990.79						164.49			145.39					
665+00.00	670+44.77	RT	544.77	49.74	3010.96			501.83											
665+00.00	670+44.77	RT	544.77	50.24	3041.23				506.87										
665+00.00	670+44.77	RT	544.77	50.91	3081.58		3081.58	3081.58											
SUBTOTALS CARRIED TO SHEET 38							14066.63	14066.63	2237.81	2325.62	1432.14	530.76	646.56	530.76					

CALCULATED	JUM	CHECKED	SDS
PAVEMENT CALCULATIONS - U.S. 30			
RIC-30-9.26			
6 38			

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STATION RANGE		TYPICAL SECTION	SIDE	DISTANCE (D)	AVERAGE WIDTH (W)	SURFACE AREA (A) A=DxW / 9	CADD GENERATED AREA	206	206	302	304	407	442	442	442				
								CURING COAT	CEMENT STABILIZED SUBGRADE, 12 INCHES DEEP	ASPHALT CONCRETE BASE, PG64-22	AGGREGATE BASE	NON-TRACKING TACK COAT	ANTI-SEGREGATION EQUIPMENT	ASPHALT CONCRETE INTERMEDIATE COURSE, 19 MM, TYPE A (446), AS PER PLAN	ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (447)				
TO				FT	FT	SY	SY	SY	SY	CY	CY	GAL	CY	CY	CY				
518+14.00	518+54.00		LT	40.00	40.67	180.73						9.94	7.53		7.53				
518+14.00	518+54.00		LT	40.00	43.07	191.43						10.53		9.31					
518+14.00	518+54.00		LT	40.00	43.40	192.91			32.15										
518+14.00	518+54.00		LT	40.00	43.90	195.13				32.52									
518+14.00	518+54.00		LT	40.00	44.57	198.10		198.10	198.10										
518+54.00	519+22.00		LT	68.00	40.00	302.22						16.62	12.59		12.59				
518+54.00	519+22.00		LT	68.00	43.41	327.95						18.04		15.94					
518+54.00	519+22.00		LT	68.00	43.74	330.47			55.08										
518+54.00	519+22.00		LT	68.00	44.24	334.25				55.71									
518+54.00	519+22.00		LT	68.00	44.91	339.28		339.28	339.28										
519+22.00	519+62.00		LT	40.00	40.67	180.73						9.94	7.53		7.53				
519+22.00	519+62.00		LT	40.00	43.07	191.43						10.53		9.31					
519+22.00	519+62.00		LT	40.00	43.40	192.91			32.15										
519+22.00	519+62.00		LT	40.00	43.90	195.13				32.52									
519+22.00	519+62.00		LT	40.00	44.57	198.10		198.10	198.10										
519+62.00	520+42.00		LT	80.00	40.67	361.47						19.88	15.06		15.06				
519+62.00	520+42.00		LT	80.00	42.07	373.97						20.57		18.18					
519+62.00	520+42.00		LT	80.00	42.40	376.93			62.82										
519+62.00	520+42.00		LT	80.00	42.90	381.38				63.56									
519+62.00	520+42.00		LT	80.00	43.57	387.30		387.30	387.30										
520+42.00	525+35.49		LT	493.49	40.00	2193.29						120.63	91.39		91.39				
520+42.00	525+35.49		LT	493.49	41.41	2270.60						124.88		110.38					
520+42.00	525+35.49		LT	493.49	41.74	2288.88			381.48										
520+42.00	525+35.49		LT	493.49	42.24	2316.30				386.05									
520+42.00	525+35.49		LT	493.49	42.91	2352.85		2352.85	2352.85										
525+35.49	529+06.49		LT	371.00			2347.75					129.13	97.82		97.82				
525+35.49	529+06.49		LT	371.00			2405.67					132.31		116.94					
525+35.49	529+06.49		LT	371.00			2419.33		403.22										
525+35.49	529+06.49		LT	371.00			2439.82			406.64									
525+35.49	529+06.49		LT	371.00			2467.13	2467.13	2467.13										
529+06.49	533+50.00		LT	443.51	48.00	2365.39						130.10	98.56		98.56				
529+06.49	533+50.00		LT	443.51	49.41	2434.87						133.92		118.36					
529+06.49	533+50.00		LT	443.51	49.74	2451.30			408.55										
529+06.49	533+50.00		LT	443.51	50.24	2475.94				412.66									
529+06.49	533+50.00		LT	443.51	50.91	2508.79		2508.79	2508.79										
533+50.00	534+50.00		LT	100.00	44.00	488.89						26.89	20.37		20.37				
533+50.00	534+50.00		LT	100.00	45.41	504.56						27.75		24.53					
533+50.00	534+50.00		LT	100.00	45.74	508.26			84.71										
533+50.00	534+50.00		LT	100.00	46.24	513.81				85.64									
533+50.00	534+50.00		LT	100.00	46.91	521.22		521.22	521.22										
534+50.00	544+02.95		LT	952.95	40.00	4235.33						232.94	176.47		176.47				
534+50.00	544+02.95		LT	952.95	41.41	4384.63						241.15		213.14					
534+50.00	544+02.95		LT	952.95	41.74	4419.92			736.65										
534+50.00	544+02.95		LT	952.95	42.24	4472.86				745.48									
534+50.00	544+02.95		LT	952.95	42.91	4543.45		4543.45	4543.45										
SUBTOTALS CARRIED TO SHEET 38								13516.22	13516.22	2196.82	2220.77	1415.75	527.33	636.08	527.33				

CALCULATED	JJM
	CHECKED
SDS	
PAVEMENT CALCULATIONS - U.S. 30	
RIC-30-9.26	
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STATION RANGE	TYPICAL SECTION	SIDE	DISTANCE (D)	AVERAGE WIDTH (W)	SURFACE AREA (A) A=DxW / 9	CADD GENERATED AREA	206	206	302	304	407	442	442	442				
							CURING COAT	CEMENT STABILIZED SUBGRADE, 12 INCHES DEEP	ASPHALT CONCRETE BASE, PG64-22	AGGREGATE BASE	NON-TRACKING TACK COAT	ANTI-SEGREGATION EQUIPMENT	ASPHALT CONCRETE INTERMEDIATE COURSE, 19 MM, TYPE A (446), AS PER PLAN	ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (447)				
			FT	FT	SY	SY	SY	SY	CY	CY	GAL	CY	CY	CY				
TO																		
544+02.95		LT	1250.00	50.50	7013.89						385.76	292.25		292.25				
544+02.95		LT	1250.00	51.91	7209.72						396.53		350.47					
544+02.95		LT	1250.00	52.24	7256.02			1209.34										
544+02.95		LT	1250.00	52.74	7325.46				1220.91									
544+02.95		LT	1250.00	53.41	7418.06		7418.06	7418.06										
556+52.95		LT				1189.84					65.44	49.58		49.58				
556+52.95		LT				1216.19					66.89		59.12					
556+52.95		LT				1222.31		203.72										
556+52.95		LT				1231.47			205.25									
556+52.95		LT				1243.68	1243.68	1243.68										
558+21.74		LT	571.44	40.00	2539.73						139.69	105.82		105.82				
558+21.74		LT	571.44	41.41	2629.26						144.61		127.81					
558+21.74		LT	571.44	41.74	2650.42			441.74										
558+21.74		LT	571.44	42.24	2682.17				447.03									
558+21.74		LT	571.44	42.91	2724.50		2724.50	2724.50										
563+93.18		LT				1734.87					95.42	72.29		72.29				
563+93.18		LT				1774.71					97.61		86.27					
563+93.18		LT				1781.30		296.88										
563+93.18		LT				1791.18			298.53									
563+93.18		LT				1804.36	1804.36	1804.36										
ADDITIONAL 304 UNDER APPROACH SLAB																		
566+48.36		LT	32.72	56.62	205.85				34.31									
566+48.36		LT	32.72	58.12	211.30		211.30	211.30										
566+47.36		LT	1.00	56.62	6.29				2.62									
566+54.36		LT	1.00	56.62	6.29				1.57									
568+87.89		LT	32.72	55.91	203.26				33.88									
568+87.89		LT	32.72	57.41	208.72		208.72	208.72										
569+20.61		LT	1.00	55.91	6.21				2.59									
569+13.61		LT	1.00	55.91	6.21				1.55									
569+20.61		LT	179.39	48.00	956.75						52.62	39.86		39.86				
569+20.61		LT	179.39	49.41	984.85						54.17		47.87					
569+20.61		LT	179.39	49.74	991.50			165.25										
569+20.61		LT	179.39	50.24	1001.46				166.91									
569+20.61		LT	179.39	50.91	1014.75		1014.75	1014.75										
571+00.00		LT	100.00	44.00	488.89						26.89	20.37		20.37				
571+00.00		LT	100.00	45.41	504.56						27.75		24.53					
571+00.00		LT	100.00	45.74	508.26			84.71										
571+00.00		LT	100.00	46.24	513.81				85.64									
571+00.00		LT	100.00	46.91	521.22		521.22	521.22										
572+00.00		LT	2693.34	40.00	11970.40						658.37	498.77		498.77				
572+00.00		LT	2693.34	41.91	12541.99						689.81		609.68					
572+00.00		LT	2693.34	42.24	12641.74			2106.96										
572+00.00		LT	2693.34	42.74	12791.37				2131.89									
572+00.00		LT	2693.34	43.41	12990.88		12990.88	12990.88										
SUBTOTALS CARRIED TO SHEET 38							28137.46	28137.46	4508.59	4632.68	2901.56	1078.93	1305.76	1078.93				

CALCULATED	JJM	CHECKED	SDS
PAVEMENT CALCULATIONS - U.S. 30			
RIC-30-9.26			
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STATION RANGE	TYPICAL SECTION	SIDE	DISTANCE (D)	AVERAGE WIDTH (W)	SURFACE AREA (A) A=DxW/9	CADD GENERATED AREA	206	206	302	304	407	442	442	442				
							CURING COAT	CEMENT STABILIZED SUBGRADE, 12 INCHES DEEP	ASPHALT CONCRETE BASE, PG64-22	AGGREGATE BASE	NON-TRACKING TACK COAT	ANTI-SEGREGATION EQUIPMENT	ASPHALT CONCRETE INTERMEDIATE COURSE, 19 MM, TYPE A (446), AS PER PLAN	ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (447)				
			FT	FT	SY	SY	SY	SY	CY	CY	GAL	CY	CY	CY				
TO																		
ADDITIONAL 304 UNDER APPROACH SLAB																		
598+93.34		599+15.24	LT	21.90	43.91	106.85				17.81								
598+93.34		599+15.24	LT	21.90	45.41	110.50	110.50	110.50										
598+92.34		598+93.34	LT	1.00	43.91	4.88			2.03									
598+99.34		599+00.34	LT	1.00	43.91	4.88			1.22									
600+88.74		601+10.75	LT	22.01	43.41	106.16			17.69									
600+88.74		601+10.75	LT	22.01	44.91	109.83	109.83	109.83										
601+10.75		601+11.75	LT	1.00	43.91	4.88			2.03									
601+03.75		601+04.75	LT	1.00	43.91	4.88			1.22									
601+10.75		602+50.00	LT	139.25	40.00	618.89				34.04		25.79		25.79				
601+10.75		602+50.00	LT	139.25	41.41	640.70				35.24			31.15					
601+10.75		602+50.00	LT	139.25	41.74	645.86			107.64									
601+10.75		602+50.00	LT	139.25	42.24	653.60				108.93								
601+10.75		602+50.00	LT	139.25	42.91	663.91	663.91	663.91										
ADDITIONAL FOR CURB AREA																		
601+13.09		601+49.00	LT	35.91	2.00	7.98			1.33		0.88	0.33	0.39	0.33				
601+13.09		601+49.00	LT	35.91	2.83	11.31				1.88								
601+13.09		601+49.00	LT	35.91	3.50	13.97	13.97	13.97										
602+50.00		606+50.00	LT	400.00	43.53	1934.44					212.79	80.60	94.04	80.60				
602+50.00		606+50.00	LT	400.00	43.86	1949.26			324.88									
602+50.00		606+50.00	LT	400.00	44.36	1971.48				328.58								
602+50.00		606+50.00	LT	400.00	45.03	2001.11	2001.11	2001.11										
606+50.00		610+10.61	LT	360.61	52.80	2115.58					232.71	88.15	102.84	88.15				
606+50.00		610+10.61	LT	360.61	53.13	2128.93			354.82									
606+50.00		610+10.61	LT	360.61	53.63	2148.97				358.16								
606+50.00		610+10.61	LT	360.61	54.30	2175.68	2175.68	2175.68										
626+93.01		628+85.27	LT				1328.23				73.05	55.34		55.34				
626+93.01		628+85.27	LT				1387.93				76.34		67.47					
626+93.01		628+85.27	LT				1393.73		232.29									
626+93.01		628+85.27	LT				1402.41			233.74								
626+93.01		628+85.27	LT				1413.97	1413.97	1413.97									
628+85.27		633+32.85	LT	447.58	43.34	2155.35					118.54	89.81		89.81				
628+85.27		633+32.85	LT	447.58	46.15	2295.09					126.23		111.57					
628+85.27		633+32.85	LT	447.58	46.48	2311.67			385.28									
628+85.27		633+32.85	LT	447.58	46.98	2336.53				389.42								
628+85.27		633+32.85	LT	447.58	47.65	2369.69	2369.69	2369.69										
633+32.85		635+68.82	LT				1421.62				78.19	59.23		59.23				
633+32.85		635+68.82	LT				1473.23				81.03		71.62					
633+32.85		635+68.82	LT				1481.75		246.96									
633+32.85		635+68.82	LT				1493.90			248.98								
633+32.85		635+68.82	LT				1510.92	1510.92	1510.92									
635+68.82		643+48.68	LT	779.86	48.00	4159.25					228.76	173.30		173.30				
635+68.82		643+48.68	LT	779.86	49.41	4281.43					235.48		208.13					
635+68.82		643+48.68	LT	779.86	49.74	4310.32			718.39									
635+68.82		643+48.68	LT	779.86	50.24	4353.64				725.61								
635+68.82		643+48.68	LT	779.86	50.91	4411.41	4411.41	4411.41										
SUBTOTALS CARRIED TO SHEET 38							14780.99	14780.99	2371.58	2437.31	1533.28	572.56	687.19	572.56				

CALCULATED	JJM	CHECKED	SDS
PAVEMENT CALCULATIONS - U.S. 30			
RIC-30-9.26			
11			
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STATION RANGE	TYPICAL SECTION	SIDE	DISTANCE (D)	AVERAGE WIDTH (W)	SURFACE AREA (A) A=DxW / 9	CADD GENERATED AREA	206	206	302	304	407	442	442	442				
							CURING COAT	CEMENT STABILIZED SUBGRADE, 12 INCHES DEEP	ASPHALT CONCRETE BASE, PG64-22	AGGREGATE BASE	NON-TRACKING TACK COAT	ANTI-SEGREGATION EQUIPMENT	ASPHALT CONCRETE INTERMEDIATE COURSE, 19 MM, TYPE A (446), AS PER PLAN	ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (447)				
			FT	FT	SY	SY	SY	SY	CY	CY	GAL	CY	CY	CY				
TO																		
ADDITIONAL FOR CURB AREA																		
643+55.00		643+70.48	LT	15.48	2.00	3.44			0.57		0.38	0.14	0.17	0.14				
643+55.00		643+70.48	LT	15.48	2.83	4.87				0.81								
643+55.00		643+70.48	LT	15.48	3.50	6.02	6.02	6.02										
ADDITIONAL 304 UNDER APPROACH SLAB																		
643+48.68		643+75.86	LT	27.18	52.33	158.04				26.34								
643+47.68		643+48.68	LT	1.00	52.33	5.81				2.42								
643+54.68		643+55.68	LT	1.00	52.33	5.81				1.45								
645+90.04		646+17.21	LT	27.17	52.33	157.98				26.33								
646+17.21		646+18.21	LT	1.00	52.33	5.81				2.42								
646+10.21		646+11.21	LT	1.00	52.33	5.81				1.45								
646+17.21		647+03.84	LT	86.63	48.00	462.03					25.41	19.25		19.25				
646+17.21		647+03.84	LT	86.63	49.41	475.60					26.16		23.12					
646+17.21		647+03.84	LT	86.63	49.74	478.81			79.80									
646+17.21		647+03.84	LT	86.63	50.24	483.62				80.60								
646+17.21		647+03.84	LT	86.63	50.91	490.04	490.04	490.04										
647+03.84		648+74.14	LT				999.18				54.95	41.63		41.63				
647+03.84		648+74.14	LT				1025.77				56.42		49.86					
647+03.84		648+74.14	LT				1031.85		171.97									
647+03.84		648+74.14	LT				1040.94			173.49								
647+03.84		648+74.14	LT				1053.05	1053.05	1053.05									
648+74.14		651+30.77	LT	256.63	40.00	1140.58					62.73	47.52		47.52				
648+74.14		651+30.77	LT	256.63	41.41	1180.78					64.94		57.40					
648+74.14		651+30.77	LT	256.63	41.74	1190.29			198.38									
648+74.14		651+30.77	LT	256.63	42.24	1204.55				200.76								
648+74.14		651+30.77	LT	256.63	42.91	1223.55	1223.55	1223.55										
651+30.77		652+19.56	LT				567.35				31.20	23.64		23.64				
651+30.77		652+19.56	LT				581.22				31.97		28.25					
651+30.77		652+19.56	LT				584.25		97.37									
651+30.77		652+19.56	LT				588.79			98.13								
651+30.77		652+19.56	LT				594.50	594.50	594.50									
ADDITIONAL 304 UNDER APPROACH SLAB																		
652+19.56		652+46.98	LT	27.42	52.33	159.43				26.57								
652+19.56		652+46.98	LT	27.42	53.83	164.00	164.00	164.00										
652+18.56		652+19.56	LT	1.00	52.33	5.81				2.42								
652+25.56		652+26.56	LT	1.00	52.33	5.81				1.45								
654+35.39		654+62.79	LT	27.40	56.36	171.58				28.60								
654+35.39		654+62.79	LT	27.40	57.86	176.15	176.15	176.15										
654+62.79		654+63.79	LT	1.00	56.36	6.26				2.61								
654+55.79		654+56.79	LT	1.00	56.36	6.26				1.57								
654+62.79		656+00.00	LT	137.21	48.00	731.79					40.25	30.49		30.49				
654+62.79		656+00.00	LT	137.21	49.41	753.28					41.43		36.62					
654+62.79		656+00.00	LT	137.21	49.74	758.36			126.39									
654+62.79		656+00.00	LT	137.21	50.24	765.99				127.66								
654+62.79		656+00.00	LT	137.21	50.91	776.15	776.15	776.15										
SUBTOTALS CARRIED TO SHEET 38							4483.47	4483.47	674.50	805.10	435.84	162.68	195.42	162.68				

CALCULATED JJM CHECKED SDS	PAVEMENT CALCULATIONS - U.S. 30
RIC-30-9.26	12 38

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STATION RANGE	TYPICAL SECTION	SIDE	DISTANCE (D)	AVERAGE WIDTH (W)	SURFACE AREA (A) A=DxW / 9	CADD GENERATED AREA	206	206	302	304	407	442	442	442						
							CURING COAT	CEMENT STABILIZED SUBGRADE, 12 INCHES DEEP	ASPHALT CONCRETE BASE, PG64-22	AGGREGATE BASE	NON-TRACKING TACK COAT	ANTI-SEGREGATION EQUIPMENT	ASPHALT CONCRETE INTERMEDIATE COURSE, 19 MM, TYPE A (446), AS PER PLAN	ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (447)						
TO			FT	FT	SY	SY	SY	SY	CY	CY	GAL	CY	CY	CY						
656+00.00		LT	50.00	46.04	255.75						14.07			10.66						
656+00.00		LT	50.00	47.45	263.58						14.50			12.81						
656+00.00		LT	50.00	47.78	265.44			44.24												
656+00.00		LT	50.00	48.28	268.21				44.70											
656+00.00		LT	50.00	48.95	271.92		271.92	271.92												
656+50.00		LT	50.00	44.04	244.64						13.46			10.19						
656+50.00		LT	50.00	47.61	264.50						14.55			12.86						
656+50.00		LT	50.00	47.94	266.35			44.39												
656+50.00		LT	50.00	48.44	269.13				44.85											
656+50.00		LT	50.00	49.11	272.83		272.83	272.83												
657+00.00		LT	388.07	42.00	1810.99						99.60			75.46						
657+00.00		LT	388.07	45.57	1964.93						108.07			95.52						
657+00.00		LT	388.07	45.90	1979.30			329.88												
657+00.00		LT	388.07	46.40	2000.86				333.48											
657+00.00		LT	388.07	47.07	2029.61		2029.61	2029.61												
660+88.07		LT	211.93	42.26	995.01						54.73			41.46						
660+88.07		LT	211.93	45.83	1079.19						59.36			52.46						
660+88.07		LT	211.93	46.16	1087.04			181.17												
660+88.07		LT	211.93	46.66	1098.82				183.14											
660+88.07		LT	211.93	47.33	1114.52		1114.52	1114.52												
663+00.00		LT	1037.54	56.64	6529.01						359.10			272.04						
663+00.00		LT	1037.54	58.04	6690.40						367.97			325.23						
663+00.00		LT	1037.54	58.37	6728.83			1121.47												
663+00.00		LT	1037.54	58.87	6786.47				1131.08											
663+00.00		LT	1037.54	59.54	6863.33		6863.33	6863.33												
673+37.54		LT				901.12					49.56			37.55						
673+37.54		LT				918.78					50.53			44.66						
673+37.54		LT				922.95		153.82												
673+37.54		LT				929.20			154.87											
673+37.54		LT				937.52	937.52	937.52												
674+50.70		LT	243.30	40.00	1081.33						59.47			45.06						
674+50.70		LT	243.30	41.41	1119.45						61.57			54.42						
674+50.70		LT	243.30	41.74	1128.46			188.08												
674+50.70		LT	243.30	42.24	1141.98				190.33											
674+50.70		LT	243.30	42.91	1160.00		1160.00	1160.00												
676+94.00		LT	50.00	40.42	224.53						12.35			9.36						
676+94.00		LT	50.00	41.82	232.33						12.78			11.29						
676+94.00		LT	50.00	42.15	234.19			39.03												
676+94.00		LT	50.00	42.65	236.96				39.49											
676+94.00		LT	50.00	43.32	240.67		240.67	240.67												
SUBTOTALS CARRIED TO SHEET 38							12890.39	12890.39	2102.09	2121.94	1351.66	501.77	609.25	501.77						

CALCULATED	JJM
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PAVEMENT CALCULATIONS - U.S. 30	
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STATION RANGE	TYPICAL SECTION	SIDE	DISTANCE (D)	AVERAGE WIDTH (W)	SURFACE AREA (A) A=DxW / 9	CADD GENERATED AREA	206	206	254	302		304		407			442	442	442						
							CURING COAT	CEMENT STABILIZED SUBGRADE, 12 INCHES DEEP	PAVEMENT PLANING, ASPHALT CONCRETE	ASPHALT CONCRETE BASE, PG64-22	AGGREGATE BASE	NON-TRACKING TACK COAT	ANTI-SEGREGATION EQUIPMENT	ASPHALT CONCRETE INTERMEDIATE COURSE, 19 MM, TYPE A (446), AS PER PLAN	ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (447)	SY	SY	SY	CY	CY	GAL	CY	CY	CY	
			TO																						
677+44.00			677+84.00	LT	40.00	40.42	179.64							9.88			7.49		7.49						
677+44.00			677+84.00	LT	40.00	42.58	189.22							10.41				9.20							
677+44.00			677+84.00	LT	40.00	42.91	190.70																		
677+44.00			677+84.00	LT	40.00	43.41	192.93				31.78														
677+44.00			677+84.00	LT	40.00	44.08	195.89	195.89	195.89			32.15													
677+84.00			678+30.00	LT	46.00	40.39	206.41							11.35			8.60		8.60						
677+84.00			678+30.00	LT	46.00	43.29	221.23							12.17				10.75							
677+84.00			678+30.00	LT	46.00	43.62	222.94				37.16														
677+84.00			678+30.00	LT	46.00	44.12	225.49					37.58													
677+84.00			678+30.00	LT	46.00	44.79	228.90	228.90	228.90																
678+30.00			679+09.77	LT	79.77	44.34	393.00							21.62			16.38		16.38						
678+30.00			679+09.77	LT	79.77	44.34	393.00							21.62				19.10							
678+30.00			679+09.77	LT	79.77	44.67	395.95				65.99														
678+30.00			679+09.77	LT	79.77	45.17	400.39					66.73													
678+30.00			679+09.77	LT	79.77	45.84	406.30	406.30	406.30																
679+09.77			686+51.59	LT	741.82	40.00	3296.98							362.67			137.37	160.27	137.37						
679+09.77			686+51.59	LT	741.82	40.67	3351.93				558.65														
679+09.77			686+51.59	LT	741.82	41.00	3379.40					563.23													
679+09.77			686+51.59	LT	741.82	43.00	3544.25	3544.25	3544.25																
686+51.59			689+50.00	LT			2173.54							239.09			90.56	105.66	90.56						
686+51.59			689+50.00	LT			2195.44				365.91														
686+51.59			689+50.00	LT			2228.54					371.42													
686+51.59			689+50.00	LT			2272.66	2272.66	2272.66																
689+50.00			689+75.00		25.00	57.60	160.00				160.00			8.80			6.67		6.67						
Median Turn Around																									
448+10.34			452+89.66		479.32		601.80							66.20			25.08	29.25	25.08						
448+10.34			452+89.66		479.32		641.42			106.90															
448+10.34			452+89.66		479.32		700.70					116.78													
720+31.78			724+88.22		456.44		521.58							57.37			21.73	25.35	21.73						
720+31.78			724+88.22		456.44		558.13			93.02															
720+31.78			724+88.22		456.44		612.81					102.13													
SUBTOTALS CARRIED TO SHEET 38							6648.00	6648.00	160.00	1259.42		1290.04		821.17			313.87	359.59	313.87						

CALCULATED JJM	PAVEMENT CALCULATIONS - U.S. 30
CHECKED SDS	
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STATION RANGE	TYPICAL SECTION	SIDE	DISTANCE (D)	AVERAGE WIDTH (W)	SURFACE AREA (A) A=DxW / 9	CADD GENERATED AREA	206	206	202	302		304	407	407			442	442	442	442	617	617			
							CURING COAT	CEMENT STABILIZED SUBGRADE, 12 INCHES DEEP	WEARING COURSE REMOVED	ASPHALT CONCRETE BASE, PG64-22	AGGREGATE BASE	TACK COAT	NON-TRACKING TACK COAT	ANTI-SEGREGATION EQUIPMENT	ASPHALT CONCRETE INTERMEDIATE COURSE, 19 MM, TYPE A (446), AS PER PLAN	ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (447)	ASPHALT CONCRETE INTERMEDIATE COURSE, 19 MM, TYPE A (448), AS PER PLAN	COMPACTED AGGREGATE	SHOULDER PREPARATION						
			FT	FT	SY	SY	SY	SY	SY	CY		CY	GAL	GAL			CY	CY	CY	CY	CY	SY			
TO																									
Trimble Ramp A																									
7+17.34		7+67.34	50.00	26.00	144.44									15.89			6.02	7.02	6.02						
7+17.34		7+67.34	50.00	26.67	148.15				24.69																
7+17.34		7+67.34	50.00	27.67	153.70					24.69															
7+17.34		7+67.34	50.00	29.00	161.11		161.11	161.11																	
7+67.34		8+60.00	92.66	25.00	257.39									28.31			10.72	12.51	10.72						
7+67.34		8+60.00	92.66	25.67	264.25				44.04																
7+67.34		8+60.00	92.66	26.67	274.55					44.04															
7+67.34		8+60.00	92.66	28.00	288.28		288.28	288.28																	
8+60.00		11+50.00	290.00	27.50	886.11								48.74	48.74			36.92	43.07	36.92						
8+60.00		11+50.00	290.00	4.00	128.89																7.16	128.89			
11+50.00		12+51.44	101.44	30.00	338.13								18.60	18.60			14.09	16.44	14.09						
11+50.00		12+51.44	101.44	4.00	45.08																2.50	45.08			
12+51.44		13+33.08	81.64						280.63					15.43	15.43			11.69	13.64	11.69					
12+51.44		13+33.08	81.64						39.16												2.18	39.16			
8+60.00		10+45.00	185.00	26.59	546.57																		39.93		
Trimble Ramp B																									
17+17.34		17+67.39	50.05	26.00	144.59									15.90			6.02	7.03	6.02						
17+17.34		17+67.39	50.05	26.67	148.30				24.72																
17+17.34		17+67.39	50.05	27.67	153.86					24.72															
17+17.34		17+67.39	50.05	29.00	161.27		161.27	161.27																	
17+67.39		18+00.00	32.61	25.00	90.58									9.96			3.77	4.40	3.77						
17+67.39		18+00.00	32.61	25.67	93.00				15.50																
17+67.39		18+00.00	32.61	26.67	96.62					15.50															
17+67.39		18+00.00	32.61	28.00	101.45		101.45	101.45																	
18+00.00		21+50.00	350.00	27.50	1069.44									58.82	58.82		44.56	51.99	44.56						
18+00.00		21+50.00	350.00	4.00	155.56																8.64	155.56			
21+50.00		22+81.65	131.65	30.00	438.83				438.83					24.14	24.14		18.28	21.33	18.28						
21+50.00		22+81.65	131.65	4.00	58.51																3.25	58.51			
22+81.65		23+28.07	46.42						166.93					9.18	9.18		6.96	8.11	6.96						
22+81.65		23+28.07	46.42						22.47												1.25	22.47			
18+00.00		19+15.00	115.00	25.75	329.03																		12.65		
SUBTOTALS CARRIED TO SHEET 38							712.11	712.11	3180.09	108.95		113.12	174.90	244.98			159.05	185.55	159.05	52.59	24.98	449.67			

CALCULATED JUM CHECKED SDS
PAVEMENT CALCULATIONS - RAMPS
RIC - 30 - 9 . 26
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STATION RANGE	TYPICAL SECTION	SIDE	DISTANCE (D) FT	AVERAGE WIDTH (W) FT	SURFACE AREA (A) A=DxW / 9 SY	CADD GENERATED AREA SY	206	206	202	302		304	407	407			442	442	442	442	617	617			
							CURING COAT SY	CEMENT STABILIZED SUBGRADE, 12 INCHES DEEP SY	WEARING COURSE REMOVED SY	ASPHALT CONCRETE BASE, PG64-22 CY		AGGREGATE BASE CY	TACK COAT GAL	NON-TRACKING TACK COAT GAL		ANTI-SEGREGATION EQUIPMENT CY	ASPHALT CONCRETE INTERMEDIATE COURSE, 19 MM, TYPE A (446), AS PER PLAN CY	ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (447) CY	ASPHALT CONCRETE INTERMEDIATE COURSE, 19 MM, TYPE A (448), AS PER PLAN CY	COMPACTED AGGREGATE CY	SHOULDER PREPARATION SY				
			TO																						
			Trimble Ramp C																						
19+95.01		21+50.95	155.94	25.00	433.17									47.65			18.05	21.06	18.05						
19+95.01		21+50.95	155.94	25.67	444.72				74.12																
19+95.01		21+50.95	155.94	26.67	462.04					77.01															
19+95.01		21+50.95	155.94	28.00	485.15		485.15	485.15																	
21+50.95		25+76.62	425.67	25.00	1182.42				1182.42				65.03	65.03			49.27	57.48	49.27						
21+50.95		25+76.62	425.67	4.00	189.19																10.51	189.19			
25+76.62		26+67.65	91.03			266.57			266.57				14.66	14.66			11.11	12.96	11.11						
25+76.62		26+67.65	91.03			41.33															2.30	41.33			
21+50.95		22+25.00	74.05	25.00	205.69																		5.71		
			Trimble Ramp D																						
9+95.01		11+65.00	169.99	25.00	472.19									51.94			19.67	22.95	19.67						
9+95.01		11+65.00	169.99	25.67	484.79				80.80																
9+95.01		11+65.00	169.99	26.67	503.67					83.95															
9+95.01		11+65.00	169.99	28.00	528.86		528.86	528.86																	
11+65.00		11+80.00	15.00	23.50	39.17									4.31			1.63	1.90	1.63						
11+65.00		11+80.00	15.00	24.17	40.28				6.71																
11+65.00		11+80.00	15.00	25.17	41.94					6.99															
11+65.00		11+80.00	15.00	26.50	44.17		44.17	44.17																	
11+80.00		16+10.03	430.03	22.00	1051.18				1051.18				57.82	57.82			43.80	51.10	43.80						
11+80.00		16+10.03	430.03	4.00	191.12																10.62	191.12			
16+10.03		16+81.17	71.14			266.57			266.57				14.66	14.66			11.11	12.96	11.11						
16+10.03		16+81.17	71.14			41.33															2.30	41.33			
11+80.00		13+50.00	170.00	22.00	415.56																		27.47		
SUBTOTALS CARRIED TO SHEET 38							1058.17	1058.17	2766.75	161.63		167.94	152.17	256.07			154.64	180.41	154.64	33.19	25.72	462.97			

CALCULATED JLM
CHECKED SDS
PAVEMENT CALCULATIONS - RAMPS
RIC-30-9.26

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STATION RANGE	TYPICAL SECTION	SIDE	DISTANCE (D)	AVERAGE WIDTH (W)	SURFACE AREA (A) A=DxW/9	CADD GENERATED AREA	206	206				304			452					
							CURING COAT	CEMENT STABILIZED SUBGRADE, 12 INCHES DEEP				AGGREGATE BASE			10.5" NON-REINFORCED CONCRETE PAVEMENT, CLASS OC IP WITH OC/OA					
			FT	FT	SY	SY	SY	SY				CY			SY					
TO																				
SR 39 Ramp G																				
360+49.82		361+03.55	53.73	26.00	155.22										155.22					
360+49.82		361+03.55	53.73	27.00	161.19							26.87								
360+49.82		361+03.55	53.73	29.00	173.13		173.13	173.13												
361+03.55		370+45.91	942.36	25.00	2617.67										2617.67					
361+03.55		370+45.91	942.36	26.00	2722.37							453.73								
361+03.55		370+45.91	942.36	28.00	2931.79		2931.79	2931.79												
370+45.91		371+51.92	106.01			579.83									579.83					
370+45.91		371+51.92	106.01			606.74						101.12								
370+45.91		371+51.92	106.01			630.82	630.82	630.82												
SR 39 Ramp HL																				
458+19.27		462+19.00	399.73	25.00	1110.36										1110.36					
458+19.27		462+19.00	399.73	26.00	1154.78							192.46								
458+19.27		462+19.00	399.73	28.00	1243.60		1243.60	1243.60												
462+19.00		462+35.71	16.71	27.28	50.64										50.64					
462+19.00		462+35.71	16.71	28.28	52.50							8.75								
462+19.00		462+35.71	16.71	30.28	56.21		56.21	56.21												
SR 39 Ramp HR																				
259+77.68		259+93.55	15.87	29.27	51.60										51.60					
259+77.68		259+93.55	15.87	30.27	53.37							8.89								
259+77.68		259+93.55	15.87	32.27	56.89		56.89	56.89												
259+93.55		263+94.48	400.93	27.00	1202.79										1202.79					
259+93.55		263+94.48	400.93	28.00	1247.34							207.89								
259+93.55		263+94.48	400.93	30.00	1336.43		1336.43	1336.43												
SR 39 Ramp H																				
462+35.71		464+76.64	240.93	56.00	1499.12										1499.12					
462+35.71		464+76.64	240.93	57.00	1525.89							254.32								
462+35.71		464+76.64	240.93	59.00	1579.43		1579.43	1579.43												
464+76.64		465+78.56	101.92			1046.87									1046.87					
464+76.64		465+78.56	101.92			1065.96						177.66								
464+76.64		465+78.56	101.92			1103.91	1103.91	1103.91												
SR 39 Ramp H																				
169+95.32		170+92.94	97.62			528.94									528.94					
169+95.32		170+92.94	97.62			542.84						90.47								
169+95.32		170+92.94	97.62			570.41	570.41	570.41												
170+92.94		173+97.70	304.76	25.00	846.56										846.56					
170+92.94		173+97.70	304.76	26.00	880.42							146.74								
170+92.94		173+97.70	304.76	28.00	948.14		948.14	948.14												
SUBTOTALS CARRIED TO SHEET 38							10630.77	10630.77				1668.90			9689.60					

CALCULATED JUM	CHECKED SDS	PAVEMENT CALCULATIONS - RAMPS	RIC-30-9.26	17
				38

STATION RANGE	TYPICAL SECTION	SIDE	DISTANCE (D) FT	AVERAGE WIDTH (W) FT	SURFACE AREA (A) A=DxW / 9 SY	CADD GENERATED AREA SY	206	206	254	302		304	407	407			442	442	442		617	617		
							CURING COAT SY	CEMENT STABILIZED SUBGRADE, 12 INCHES DEEP SY	PAVEMENT PLANING, ASPHALT CONCRETE SY	ASPHALT CONCRETE BASE, PG64-22 CY	AGGREGATE BASE CY	TACK COAT GAL	NON-TRACKING TACK COAT GAL	ANTI-SEGREGATION EQUIPMENT CY	ASPHALT CONCRETE INTERMEDIATE COURSE, 19 MM, TYPE A (446), AS PER PLAN CY	ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (447) CY	COMPACTED AGGREGATE CY	SHOULDER PREPARATION SY						
TO																								
SR 13 Ramp C																								
10+89.43			12+50.00	160.57	25.00	446.03								49.06			18.58	21.68	18.58					
10+89.43			12+50.00	160.57	25.67	457.92				76.32														
10+89.43			12+50.00	160.57	26.67	475.76					79.29													
10+89.43			12+50.00	160.57	28.00	499.55	499.55	499.55																
12+50.00			14+43.15	193.15	25.00	536.53					536.53			59.02			22.36	26.08	22.36					
12+50.00			14+43.15	193.15	4.00	85.84															4.77	85.84		
SR 13 Ramp D																								
14+44.07			18+00.00	355.93	25.00	988.69					988.69			108.76			41.20	48.06	41.20					
14+44.07			18+00.00	355.93	4.00	158.19															8.79	158.19		
18+00.00			18+91.32	91.32	25.00	253.67								27.90			10.57	12.33	10.57					
18+00.00			18+91.32	91.32	25.67	260.43				43.41														
18+00.00			18+91.32	91.32	26.67	270.58					45.10													
18+00.00			18+91.32	91.32	28.00	284.11	284.11	284.11																
18+91.32			19+41.32	50.00	26.00	144.44								15.89			6.02	7.02	6.02					
18+91.32			19+41.32	50.00	26.67	148.15				24.69														
18+91.32			19+41.32	50.00	27.67	153.70					25.62													
18+91.32			19+41.32	50.00	29.00	161.11	161.11	161.11																
SR 13 Ramp CD																								
12+86.94			14+44.07	157.13	50.00	872.94					872.94			96.02			36.37	42.43	36.37					
12+86.94			14+44.07	157.13	4.00	69.84															3.88	69.84		
10+26.07			12+86.94	260.87			2804.17				2804.17			308.46			116.84	136.31	116.84					
10+26.07			12+86.94	260.87			189.90														10.55	189.90		
SUBTOTALS CARRIED TO SHEET 38							944.77	944.77	5202.33	144.42		150.01		665.11			251.94	293.93	251.94		27.99	503.77		

CALCULATED	JJM
	CHECKED
SDS	
PAVEMENT CALCULATIONS - RAMPS	
RIC - 30 - 9 . 26	
18 38	

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STATION RANGE	TYPICAL SECTION	SIDE	DISTANCE (D)	AVERAGE WIDTH (W)	SURFACE AREA (A) A=DxW / 9	CADD GENERATED AREA	206	206			304			452						
							CURING COAT	CEMENT STABILIZED SUBGRADE, 12 INCHES DEEP			AGGREGATE BASE		10.5" NON-REINFORCED CONCRETE PAVEMENT, CLASS OC IP WITH OC/OA							
			FT	FT	SY	SY	SY	SY			CY			SY						
			TO																	
			SR 13/SR 545 Ramp W																	
136+36.23		136+86.52	50.29	26.00	145.28									145.28						
136+36.23		136+86.52	50.29	27.00	150.87					25.15										
136+36.23		136+86.52	50.29	29.00	162.05		162.05	162.05												
136+86.52		140+14.08	327.56	25.00	909.89									909.89						
136+86.52		140+14.08	327.56	26.00	946.28					157.71										
136+86.52		140+14.08	327.56	28.00	1019.08		1019.08	1019.08												
			SR 13/SR 545 Ramp X																	
238+56.27		240+00.00	143.73	26.00	415.22									415.22						
238+56.27		240+00.00	143.73	26.50	423.20					70.53										
238+56.27		240+00.00	143.73	27.50	439.17		439.17	439.17												
240+00.00		241+42.86	142.86	25.00	396.83									396.83						
240+00.00		241+42.86	142.86	26.00	412.71					68.78										
240+00.00		241+42.86	142.86	28.00	444.45		444.45	444.45												
			SR 13/SR 545 Ramp Y LT																	
236+37.32		237+40.10				512.40								512.40						
236+37.32		237+40.10				523.10				87.18										
236+37.32		237+40.10				544.39	544.39	544.39												
237+40.10		237+99.50	59.40	28.17	185.92									185.92						
237+40.10		237+99.50	59.40	28.67	189.22					31.54										
237+40.10		237+99.50	59.40	29.67	195.82		195.82	195.82												
237+99.50		238+55.38 (Ramp X)				184.45								184.45						
237+99.50		238+55.38 (Ramp X)				187.33				31.22										
237+99.50		238+55.38 (Ramp X)				193.07	193.07	193.07												
			SR 13/SR 545 Ramp Y RT																	
236+37.32		237+35.05				456.06								456.06						
236+37.32		237+35.05				464.73				77.46										
236+37.32		237+35.05				481.98	481.98	481.98												
237+35.05		238+55.38 (Ramp X)	107.59	20.00	239.09									239.09						
237+35.05		238+55.38 (Ramp X)	107.59	20.50	245.07					40.84										
237+35.05		238+55.38 (Ramp X)	107.59	21.50	257.02		257.02	257.02												
SUBTOTALS CARRIED TO SHEET 38							3737.03	3737.03			590.42			3445.15						

CALCULATED JUM CHECKED SDS	PAVEMENT CALCULATIONS - RAMPS	RIC - 30 - 9 . 26	19
			38

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STATION RANGE	TYPICAL SECTION	SIDE	DISTANCE (D)	AVERAGE WIDTH (W)	SURFACE AREA (A) A=DxW / 9	CADD GENERATED AREA	206	206	302	304	407	442	442	442				
							CURING COAT	CEMENT STABILIZED SUBGRADE, 12 INCHES DEEP	ASPHALT CONCRETE BASE, PG64-22	AGGREGATE BASE	NON-TRACKING TACK COAT	ANTI-SEGREGATION EQUIPMENT	ASPHALT CONCRETE INTERMEDIATE COURSE, 19 MM, TYPE A (446), AS PER PLAN	ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (447)	SY	SY	CY	CY
TO			FT	FT	SY	SY	SY	SY	CY	CY	GAL	CY	CY	CY				
Fifth Ave Ramp A																		
174+24.14			50.00	26.00	144.44						15.89	6.02	7.02	6.02				
174+24.14	174+74.14		50.00	26.67	148.15			24.69										
174+24.14	174+74.14		50.00	27.67	153.70				25.62									
174+24.14	174+74.14		50.00	29.00	161.11		161.11	161.11										
174+74.14	177+43.27		269.13	25.00	747.58					82.23		31.15	36.34	31.15				
174+74.14	177+43.27		269.13	25.67	767.52			127.92										
174+74.14	177+43.27		269.13	26.67	797.42				132.90									
174+74.14	177+43.27		269.13	28.00	837.29		837.29	837.29										
177+43.27	177+59.66		16.39	27.00	49.17					2.70		2.05		2.05				
177+43.27	177+59.66		16.39	29.20	53.18					2.92			2.58					
177+43.27	177+59.66		16.39	29.87	54.39			9.07										
177+43.27	177+59.66		16.39	30.87	56.21				9.37									
177+43.27	177+59.66		16.39	32.20	58.64		58.64	58.64										
177+59.66	177+93.27		33.61	30.00	112.03					6.16		4.67		4.67				
177+59.66	177+93.27		33.61	34.40	128.46					7.07			6.24					
177+59.66	177+93.27		33.61	35.07	130.95			21.83										
177+59.66	177+93.27		33.61	36.07	134.69				22.45									
177+59.66	177+93.27		33.61	37.40	139.67		139.67	139.67										
177+93.27	178+09.66		16.39	28.00	50.99					2.80		2.12		2.12				
177+93.27	178+09.66		16.39	30.20	55.00					3.02			2.67					
177+93.27	178+09.66		16.39	30.87	56.21			9.37										
177+93.27	178+09.66		16.39	31.87	58.03				9.67									
177+93.27	178+09.66		16.39	33.20	60.46		60.46	60.46										
178+09.66	180+00.00		190.34	25.00	528.72					58.16		22.03	25.70	22.03				
178+09.66	180+00.00		190.34	25.67	542.82			90.47										
178+09.66	180+00.00		190.34	26.67	563.97				94.00									
178+09.66	180+00.00		190.34	28.00	592.17		592.17	592.17										
Fifth Ave Ramp B																		
369+50.00	370+45.77		95.77	25.00	266.03					29.26		11.08	12.93	11.08				
369+50.00	370+45.77		95.77	25.67	273.12			45.52										
369+50.00	370+45.77		95.77	26.67	283.76				47.29									
369+50.00	370+45.77		95.77	28.00	297.95		297.95	297.95										
370+45.77	370+97.85		52.08	26.00	150.45					16.55		6.27	7.31	6.27				
370+45.77	370+97.85		52.08	26.67	154.31			25.72										
370+45.77	370+97.85		52.08	27.67	160.10				26.68									
370+45.77	370+97.85		52.08	29.00	167.81		167.81	167.81										
370+97.85	372+37.77		139.92	27.00	419.76					46.17		17.49	20.40	17.49				
370+97.85	372+37.77		139.92	27.67	430.12			71.69										
370+97.85	372+37.77		139.92	28.67	445.67				74.28									
370+97.85	372+37.77		139.92	30.00	466.40		466.40	466.40										
SUBTOTALS CARRIED TO SHEET 38							2781.51	2781.51	426.27	442.26	272.95	102.88	121.22	102.88				

PAVEMENT CALCULATIONS - RAMPS

CALCULATED
JJM
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SDS

RIC-30-9.26

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STATION RANGE	TYPICAL SECTION	SIDE	DISTANCE (D) FT	AVERAGE WIDTH (W) FT	SURFACE AREA (A) A=DxW / 9 SY	CADD GENERATED AREA SY	206	206	302	304	407	442	442	442				
							CURING COAT SY	CEMENT STABILIZED SUBGRADE, 12 INCHES DEEP SY	ASPHALT CONCRETE BASE, PG64-22 CY	AGGREGATE BASE CY	NON-TRACKING TACK COAT GAL	ANTI-SEGREGATION EQUIPMENT CY	ASPHALT CONCRETE INTERMEDIATE COURSE, 19 MM, TYPE A (446), AS PER PLAN CY	ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (447) CY				
			TO															
			Fifth Ave Ramp C															
375+25.00		375+39.32	14.32	27.00	42.96						4.73	1.79	2.09	1.79				
375+25.00		375+39.32	14.32	27.67	44.02			7.34										
375+25.00		375+39.32	14.32	28.67	45.61				7.60									
375+25.00		375+39.32	14.32	30.00	47.73		47.73	47.73										
			Fifth Ave Ramp D															
474+50.25		478+05.12	354.87	25.00	985.75					108.43		41.07	47.92	41.07				
474+50.25		478+05.12	354.87	25.67	1012.04			168.67										
474+50.25		478+05.12	354.87	26.67	1051.47				175.24									
474+50.25		478+05.12	354.87	28.00	1104.04		1104.04	1104.04										
478+05.12		478+15.90	10.78	28.00	33.54					1.84		1.40		1.40				
478+05.12		478+15.90	10.78	30.20	36.17					1.99			1.76					
478+05.12		478+15.90	10.78	30.87	36.97			6.16										
478+05.12		478+15.90	10.78	31.87	38.17				6.36									
478+05.12		478+15.90	10.78	33.20	39.77		39.77	39.77										
478+15.90		478+65.90	50.00	30.00	166.67					9.17		6.94		6.94				
478+15.90		478+65.90	50.00	34.40	191.11					10.51			9.29					
478+15.90		478+65.90	50.00	35.07	194.81			32.47										
478+15.90		478+65.90	50.00	36.07	200.37				33.40									
478+15.90		478+65.90	50.00	37.40	207.78		207.78	207.78										
478+65.90		478+69.12	3.22	28.00	10.02					0.55		0.42		0.42				
478+65.90		478+69.12	3.22	30.20	10.80					0.59			0.53					
478+65.90		478+69.12	3.22	30.87	11.04			1.84										
478+65.90		478+69.12	3.22	31.87	11.40				1.90									
478+65.90		478+69.12	3.22	33.20	11.88		11.88	11.88										
478+69.12		480+50.00	180.88	25.00	502.44					55.27		20.94	24.42	20.94				
478+69.12		480+50.00	180.88	25.67	515.84			85.97										
478+69.12		480+50.00	180.88	26.67	535.94				89.32									
478+69.12		480+50.00	180.88	28.00	562.74		562.74	562.74										
SUBTOTALS CARRIED TO SHEET 38							1973.93	1973.93	302.46	313.83	193.08	72.56	86.00	72.56				

CALCULATED JJM CHECKED SDS	PAVEMENT CALCULATIONS - RAMPS	RIC-30-9.26	22
			38

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STATION RANGE	TYPICAL SECTION	SIDE	DISTANCE (D)	AVERAGE WIDTH (W)	SURFACE AREA (A) A=DxW / 9	CADD GENERATED AREA	206	206	204	302		304		407			442	442	442							
							CURING COAT	CEMENT STABILIZED SUBGRADE, 12 INCHES DEEP	SUBGRADE COMPACTION	ASPHALT CONCRETE BASE, PG64-22	AGGREGATE BASE	NON-TRACKING TACK COAT	ANTI-SEGREGATION EQUIPMENT	ASPHALT CONCRETE INTERMEDIATE COURSE, 19 MM, TYPE A (446), AS PER PLAN	ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (447)	FT	FT	SY	SY	SY	SY	SY	SY	SY	SY	SY
TO																										
SR 39																										
693+00.00			695+81.00		281.00	52.00	1623.56							178.59			67.65	78.92	67.65							
693+00.00			695+81.00		281.00	52.67	1644.37			274.06																
693+00.00			695+81.00		281.00	53.67	1675.59					279.27														
693+00.00			695+81.00		281.00	55.00	1717.22	1717.22	1717.22																	
695+81.00			696+50.00		69.00	54.00	414.00							22.77			17.25		17.25							
695+81.00			696+50.00		69.00	56.20	430.87							23.70				20.94								
695+81.00			696+50.00		69.00	56.87	435.98			72.66																
695+81.00			696+50.00		69.00	57.87	443.64					73.94														
695+81.00			696+50.00		69.00	59.20	453.87	453.87	453.87																	
696+50.00			697+25.00		75.00	56.00	466.67							25.67			19.44		19.44							
696+50.00			697+25.00		75.00	60.40	503.33							27.68				24.47								
696+50.00			697+25.00		75.00	61.07	508.89			84.81																
696+50.00			697+25.00		75.00	62.07	517.22					86.20														
696+50.00			697+25.00		75.00	63.40	528.33	528.33	528.33																	
697+25.00			697+91.00		66.00	54.00	396.00							21.78			16.50		16.50							
697+25.00			697+91.00		66.00	56.20	412.13							22.67				20.03								
697+25.00			697+91.00		66.00	56.87	417.02			69.50																
697+25.00			697+91.00		66.00	57.87	424.36					70.73														
697+25.00			697+91.00		66.00	59.20	434.13	434.13	434.13																	
697+91.00			699+00.00		109.00	52.00	629.78							69.28			26.24	30.61	26.24							
697+91.00			699+00.00		109.00	52.67	637.85			106.31																
697+91.00			699+00.00		109.00	53.67	649.96					108.33														
697+91.00			699+00.00		109.00	55.00	666.11	666.11	666.11																	
Longview Ave West																										
101+16.09			102+61.40		145.31		1777.20							195.49			74.05	86.39	74.05							
101+16.09			102+61.40		145.31		1794.62			299.10																
101+16.09			102+61.40		145.31		1820.82					303.47														
101+16.09			102+61.40		145.31		1855.63	1855.63	1855.63																	
102+61.40			103+18.50		57.10	33.67	213.59							23.49			8.90	10.38	8.90							
102+61.40			103+18.50		57.10	34.33	217.82			36.30																
102+61.40			103+18.50		57.10	35.33	224.16					37.36														
102+61.40			103+18.50		57.10	36.67	232.62	232.62	232.62																	
Relocated Longview																										
302+75.00			309+86.31		711.31	32.00	2529.10							278.20			105.38	122.94	105.38							
302+75.00			309+86.31		711.31	32.67	2581.79			430.30																
302+75.00			309+86.31		711.31	33.67	2660.83					443.47														
302+75.00			309+86.31		711.31	35.00	2766.21			2766.21																
309+86.31			311+30.00		143.69	32.00	510.90			85.15		85.15		56.20			21.29	24.84	21.29							
309+86.31			311+30.00		143.69	2.00	31.93					2.88														
309+86.31			311+30.00		143.69	34.00	542.83			542.83																
311+30.00			311+75.00		45.00	30.06	150.30			25.05		25.05		16.53			6.26	7.31	6.26							
311+30.00			311+75.00		45.00	2.00	10.00					0.90														
311+30.00			311+75.00		45.00	32.06	160.30			160.30																
SUBTOTALS CARRIED TO SHEET 38							5887.91	5887.91	3469.33	1483.26		1516.75		962.05			362.96	426.84	362.96							

CALCULATED
 JJM
 CHECKED
 SDS
PAVEMENT CALCULATIONS - SIDE ROADS
RIC-30-9.26
 23
 38

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STATION RANGE	TYPICAL SECTION	SIDE	DISTANCE (D)	AVERAGE WIDTH (W)	SURFACE AREA (A) A=DxW / 9	CADD GENERATED AREA	204	254	254	302		304	407	407			442	442	442						
							SUBGRADE COMPACTION	PATCHING PLANED SURFACE ASSUMED 15%	PAVEMENT PLANING, ASPHALT CONCRETE	ASPHALT CONCRETE BASE, PG64-22	AGGREGATE BASE	NON-TRACKING TACK COAT (RATE 0.085)	NON-TRACKING TACK COAT (RATE 0.055)	ANTI-SEGREGATION EQUIPMENT	ASPHALT CONCRETE INTERMEDIATE COURSE, 19 MM, TYPE A (446), AS PER PLAN	ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (447)									
			FT	FT	SY	SY	SY	SY	SY	CY		CY	GAL	GAL			CY	CY	CY						
Longview Ave East																									
53+28.73			53+70.40																						
53+28.73			53+70.40			242.66																			
53+28.73			53+70.40			184.28		27.64	184.28				15.66				10.11	11.80	10.11						
53+28.73			53+70.40			65.28	65.28					10.88													
53+28.73			53+70.40			13.72	13.72					1.24													
53+70.40			55+65.34			194.94	36.00	779.76																	
53+70.40			55+65.34			194.94	28.00	606.48																	
53+70.40			55+65.34			194.94	9.00	194.94																	
53+70.40			55+65.34			194.94	2.00	43.32																	
55+65.34			57+00.00			134.66	39.00	583.53																	
55+65.34			57+00.00			134.66	28.00	418.94																	
55+65.34			57+00.00			134.66	12.33	184.53																	
57+00.00			58+50.00			150.00		572.36																	
57+00.00			58+50.00			150.00		433.03																	
57+00.00			58+50.00			150.00		161.59	161.59																
58+50.00			62+00.00			350.00	32.00	1244.44																	
58+50.00			62+00.00			350.00	26.00	1011.11																	
58+50.00			62+00.00			350.00	6.83	265.74																	
62+00.00			64+60.00			260.00	32.00	924.44																	
62+00.00			64+60.00			260.00	32.67	943.70																	
62+00.00			64+60.00			260.00	22.58	652.31																	
62+00.00			64+60.00			260.00	11.09	320.28																	
64+60.00			64+85.00			25.00	32.00	88.89																	
64+60.00			64+85.00			25.00	32.67	90.74																	
64+60.00			64+85.00			25.00	33.67	93.52																	
64+60.00			64+85.00			25.00	35.00	97.22																	
64+85.00			66+79.06			194.06	32.00	689.99																	
64+85.00			66+79.06			194.06	32.67	704.37																	
64+85.00			66+79.06			194.06	19.83	427.58																	
64+85.00			66+79.06			194.06	13.84	298.35																	
66+79.06			67+50.00			70.94	28.00	220.70																	
66+79.06			67+50.00			70.94	28.33	223.33																	
66+79.06			67+50.00			70.94	18.39	144.91																	
66+79.06			67+50.00			70.94	10.45	82.36																	
67+50.00			68+50.00			100.00	28.00	311.11																	
67+50.00			68+50.00			100.00	28.33	314.81																	
67+50.00			68+50.00			100.00	18.00	200.00																	
67+50.00			68+50.00			100.00	10.83	120.37																	
68+50.00			69+00.00			50.00	28.00	155.56																	
68+50.00			69+00.00			50.00	28.33	157.41																	
68+50.00			69+00.00			50.00	18.50	102.78																	
68+50.00			69+00.00			50.00	10.33	57.41																	
69+00.00			69+49.73			49.73	28.00	154.72																	
69+00.00			69+49.73			49.73	28.33	156.56																	
69+00.00			69+49.73			49.73	19.00	104.99																	
69+00.00			69+49.73			49.73	9.83	54.33																	
SUBTOTALS CARRIED TO SHEET 38							1959.44	642.96	4286.41	15.12		321.60	1020.84				248.67	290.12	248.67						

CALCULATED JUM	CHECKED SDS	PAVEMENT CALCULATIONS - SIDE ROADS	RIC - 30 - 9 .26	24
				38

STATION RANGE	TYPICAL SECTION	SIDE	DISTANCE (D)	AVERAGE WIDTH (W)	SURFACE AREA (A) A=DxW/9	CADD GENERATED AREA	204	254	254	302		304	407	407			442	442	442	442							
							SUBGRADE COMPACTION	PATCHING PLANED SURFACE ASSUMED 15%	PAVEMENT PLANING, ASPHALT CONCRETE	ASPHALT CONCRETE BASE, PG64-22	AGGREGATE BASE	NON-TRACKING TACK COAT (RATE 0.085)	NON-TRACKING TACK COAT (RATE 0.055)	ANTI-SEGREGATION EQUIPMENT	ASPHALT CONCRETE INTERMEDIATE COURSE, 19 MM, TYPE A (446), AS PER PLAN	ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (447)	ASPHALT CONCRETE INTERMEDIATE COURSE, 19 MM, TYPE A (448), AS PER PLAN	SY	SY	SY	CY	CY	GAL	GAL	CY	CY	CY
69+49.73 TO 70+56.00			106.27	32.00	377.85									41.56			15.74	18.37	15.74								
69+49.73			106.27	32.67	385.72																						
69+49.73			106.27	19.00	224.35			33.65	224.35				19.07														
69+49.73			106.27	14.67	173.18		173.18					28.86															
70+56.00			50.00	31.00	172.22									18.94			7.18	8.37	7.18								
70+56.00			50.00	31.67	175.93																						
70+56.00			50.00	19.00	105.56			15.83	105.56				8.97														
70+56.00			50.00	13.67	75.93		75.93					12.65															
71+06.00			57.72	30.00	192.40									21.16			8.02	9.35	8.02								
71+06.00			57.72	30.67	196.68																						
71+06.00			57.72	19.00	121.85			18.28	121.85				10.36														
71+06.00			57.72	12.67	81.24		81.24					13.54															
71+74.56			45.19	28.00	140.59									15.47			5.86	6.83	5.86								
71+74.56			45.19	28.67	143.94																						
71+74.56			45.19	19.00	95.40			14.31	95.40				8.11														
71+74.56			45.19	10.67	53.56		53.56					8.93															
72+19.75			15.10			50.53								5.56			2.11	2.46	2.11								
72+19.75			15.10			51.68																					
72+19.75			15.10			31.87		4.78	31.87				2.71														
72+19.75			15.10			21.53	21.53					3.59															
72+34.85			330.15	32.00	1173.87									129.13			48.91	57.06	48.91								
72+34.85			330.15	32.67	1198.32																						
72+34.85			315.15	19.00	665.32																						
72+34.85			315.15	14.67	513.58		513.58					85.60															
75+65.00			74.62	38.00	315.06									34.66			13.13	15.32	13.13								
75+65.00			74.62	38.67	320.59																						
76+39.62			52.46	44.00	256.47									28.21			10.69	12.47	10.69								
76+39.62			52.46	44.67	260.36																						
76+92.08			127.03			1155.57								127.11			48.15	56.17	48.15								
76+92.08			127.03			1169.96																					
75+50.00			50.00	20.50	113.89									9.68													
75+50.00			50.00			89.38	89.38					14.90															
76+00.00			160.00	22.00	391.11									33.24													
76+00.00			160.00			400.21	400.21					66.70															
77+60.00			59.11			354.03								30.09													
77+60.00			59.11			371.44	371.44					61.91															
VARYING 302 & 422 THICKNESS				AVERAGE THICKNESS (FT)																							
53+28.73			55+50.00	0.26		6687.00																	64.39				
58+25.00			59+00.00	0.26		1900.00																	18.30				
59+00.00			64+60.00	0.51		13671.00			258.23																		
64+85.00			65+50.00	0.43		1335.00			21.26																		
65+50.00			72+50.00	0.25		12987.00																	120.25				
72+50.00			77+50.00	0.50		10038.00			185.89																		
77+50.00			78+19.11	0.13		3379.00																	16.27				
SUBTOTALS CARRIED TO SHEET 38							1780.04	315.51	2103.38	465.38		296.67	600.59			159.77	186.40	159.77	219.21								

CALCULATED	
JUM	
CHECKED	
SDS	

PAVEMENT CALCULATIONS - SIDE ROADS

RIC-30-9.26

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STATION RANGE	TYPICAL SECTION	SIDE	DISTANCE (D)	AVERAGE WIDTH (W)	SURFACE AREA (A) A=DxW / 9	CADD GENERATED AREA	204	206	206	202	302		304	305	407	407		442	442	442	442							
							SUBGRADE COMPACTION	CURING COAT	CEMENT STABILIZED SUBGRADE, 12 INCHES DEEP	WEARING COURSE REMOVED	ASPHALT CONCRETE BASE, PG64-22	AGGREGATE BASE	9" CONCRETE BASE, CLASS OC IP	TACK COAT	NON-TRACKING TACK COAT	ANTI-SEGREGATION EQUIPMENT	ASPHALT CONCRETE INTERMEDIATE COURSE, 19 MM, TYPE A (446), AS PER PLAN	ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (447)	ASPHALT CONCRETE INTERMEDIATE COURSE, 19 MM, TYPE A (448), AS PER PLAN	SY	SY	SY	SY	CY	CY	CY	CY	
			TO																									
Wise Ave																												
20+25.09			20+55.00		29.91					91.53																		
20+25.09			20+55.00		29.91					93.95																		
20+25.09			20+55.00		29.91					97.60																		
20+25.09			20+55.00		29.91					102.48																		
20+55.00			31+65.00		1110.00	22.00				2713.33																		
20+55.00			31+65.00		1110.00	22.67				2795.56																		
20+55.00			31+65.00		1110.00	23.67				2918.89																		
20+55.00			31+65.00		1110.00	25.00				3083.33																		
SR 545																												
150+75.00			152+00.00	LT	125.00	20.49				284.58						15.65	15.65		11.86	19.76	11.86							
150+75.00			152+00.00	MD	125.00	2.00				27.78						1.53	1.53		1.16		1.16	1.64						
150+75.00			152+00.00	RT	125.00	12.03				167.08						9.19	9.19		6.96	8.12	6.96							
152+00.00			152+12.00	LT	12.00	24.10				32.13						1.77	1.77		1.34	2.23	1.34							
152+00.00			152+12.00	MD	12.00	2.00				2.67						0.15	0.15		0.11		0.11	0.16						
152+00.00			152+12.00	RT	12.00	13.34				17.79						0.98	0.98		0.74	0.86	0.74							
152+12.00			152+51.27	LT	39.27	25.27				110.26						6.06	6.06		4.59	7.66	4.59							
152+12.00			152+51.27	MD	39.27	2.00				8.73						0.48	0.48		0.36		0.36	0.52						
152+12.00			152+51.27	RT	39.27	17.23				75.18						4.13	4.13		3.13	3.65	3.13							
152+51.27			152+76.00	LT	24.73	25.31				69.55						3.83	3.83		2.90	4.83	2.90							
152+51.27			152+76.00	MD	24.73	2.00				5.50						0.30	0.30		0.23		0.23	0.32						
152+51.27			152+76.00	RT	24.73	19.59				53.83						2.96	2.96		2.24	2.62	2.24							
152+76.00			154+50.00	LT	174.00	21.00				406.00						22.33	22.33		16.92	28.19	16.92							
152+76.00			154+50.00	MD	174.00	2.00				38.67						2.13	2.13		1.61		1.61	2.28						
152+76.00			154+50.00	RT	174.00	20.50				396.33						21.80	21.80		16.51	19.27	16.51							
154+50.00			155+00.00	LT	50.00	21.00				116.67						6.42	6.42		4.86	8.10	4.86							
154+50.00			155+00.00	MD	50.00	2.00				11.11						0.61	0.61		0.46		0.46	0.66						
154+50.00			155+00.00	RT	50.00	20.25				112.50						6.19	6.19		4.69	5.47	4.69							
155+00.00			156+35.00	LT	135.00	21.00				315.00						17.33	17.33		13.13	21.88	13.13							
155+00.00			156+35.00	MD	135.00	2.00				30.00						1.65	1.65		1.25		1.25	1.77						
155+00.00			156+35.00	RT	135.00	20.00				300.00						16.50	16.50		12.50	14.58	12.50							
154+75.89			156+35.00	LT	159.11	4.72				83.36						4.58	4.58		3.47	5.79	3.47							
154+75.89			156+35.00	LT	159.11	5.05				89.25																		
154+75.89			156+35.00	LT	159.11	5.55				98.09																		
154+75.89			156+35.00	LT	159.11	6.22				109.87																		
156+35.00			158+53.00	LT	218.00	22.00				532.89						29.31	29.31		22.20	37.01	22.20							
156+35.00			158+53.00	MD	218.00	2.00				48.44						2.66	2.66		2.02		2.02	2.86						
156+35.00			158+53.00	RT	218.00	20.00				484.44						26.64	26.64		20.19	23.55	20.19							
158+53.00			159+25.00	LT	72.00	20.80				166.40						9.15	9.15		6.93	11.56	6.93							
158+53.00			159+25.00	MD	72.00	4.00				32.00						1.76	1.76		1.33		1.33	1.89						
158+53.00			159+25.00	RT	72.00	16.00				128.00						7.04	7.04		5.33	6.22	5.33							
159+25.00			159+75.00	LT	50.00	20.50				113.89						6.26	6.26		4.75	7.91	4.75							
159+25.00			159+75.00	MD	50.00	4.00				22.22						1.22	1.22		0.93		0.93	1.31						
159+25.00			159+75.00	RT	50.00	16.50				91.67						5.04	5.04		3.82	4.46	3.82							
SUBTOTALS CARRIED TO SHEET 38							109.87	3185.81	3185.81	4147.08	496.46		519.10		235.66	544.19		295.40	380.06	295.40	13.41							

PAVEMENT CALCULATIONS - SIDE ROADS

RIC-30-9.26

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STATION RANGE		TYPICAL SECTION	SIDE	DISTANCE (D)	AVERAGE WIDTH (W)	SURFACE AREA (A) A=DxW / 9	CADD GENERATED AREA	206	206	202	302	304	305	407	407		442	442	442	442						206			
								CURING COAT	CEMENT STABILIZED SUBGRADE, 12 INCHES DEEP	WEARING COURSE REMOVED	ASPHALT CONCRETE BASE, PG64-22		AGGREGATE BASE	9" CONCRETE BASE, CLASS OC IP	TACK COAT	NON-TRACKING TACK COAT		ANTI-SEGREGATION EQUIPMENT	ASPHALT CONCRETE INTERMEDIATE COURSE, 19 MM, TYPE A (446), AS PER PLAN	ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (447)	ASPHALT CONCRETE INTERMEDIATE COURSE, 19 MM, TYPE A (448), AS PER PLAN								
SR 545				FT	FT	SY	SY	SY	SY	SY	CY	CY	SY	GAL	GAL		CY	CY	CY	CY									
159+75.00	160+75.00			100.00	44.00	488.89									53.78		20.37	23.77	20.37										
159+75.00	160+75.00			100.00	44.67	496.30					82.72																		
159+75.00	160+75.00			100.00	45.67	507.41						84.57																	
159+75.00	160+75.00			100.00	47.00	522.22		522.22	522.22																				
160+75.00	161+20.00			45.00	51.10	255.50									28.11		10.65	12.42	10.65										
160+75.00	161+20.00			45.00	51.77	258.83					43.14																		
160+75.00	161+20.00			45.00	52.77	263.83						43.97																	
160+75.00	161+20.00			45.00	54.10	270.50		270.50	270.50																				
161+20.00	162+00.00			80.00	57.80	513.78									56.52		21.41	24.98	21.41										
161+20.00	162+00.00			80.00	58.47	519.70					86.62																		
161+20.00	162+00.00			80.00	59.47	528.59						88.10																	
161+20.00	162+00.00			80.00	60.80	540.44		540.44	540.44																				
162+00.00	162+19.00			19.00	59.40	125.40									13.79		5.23	6.10	5.23										
162+00.00	162+19.00			19.00	60.07	126.81					21.13																		
162+00.00	162+19.00			19.00	61.07	128.92						21.49																	
162+00.00	162+19.00			19.00	62.40	131.73		131.73	131.73																				
162+19.00	162+64.00			45.00	55.20	276.00									30.36		11.50	13.42	11.50										
162+19.00	162+64.00			45.00	55.87	279.33					46.56																		
162+19.00	162+64.00			45.00	56.87	284.33						47.39																	
162+19.00	162+64.00			45.00	58.20	291.00		291.00	291.00																				
162+64.00	163+70.51			106.51	51.00	603.56									66.39		25.15	29.34	25.15										
162+64.00	163+70.51			106.51	51.67	611.45					101.91																		
162+64.00	163+70.51			106.51	52.67	623.28						103.88																	
162+64.00	163+70.51			106.51	54.00	639.06		639.06	639.06																				
163+70.51	165+25.00			154.49	43.00	738.12									81.19		30.75	35.88	30.75										
163+70.51	165+25.00			154.49	43.33	743.84					123.97																		
163+70.51	165+25.00			154.49	43.83	752.42						125.40																	
163+70.51	165+25.00			154.49	44.50	763.87		763.87	763.87																				
165+25.00	166+42.02		LT	117.02	17.50	227.54				227.54				12.51	12.51		9.48	15.80	9.48										
165+25.00	166+42.02		MD	117.02	4.00	52.01								2.86	2.86		2.17		2.17	3.07									
165+25.00	166+42.02		RT	117.02	21.50	279.55				279.55				15.38	15.38		11.65	13.59	11.65										
166+42.02	166+50.00		LT	7.98	25.50	22.61				22.61				1.24	1.24		0.94	1.57	0.94										
166+42.02	166+50.00		MD	7.98	4.00	3.55								0.20	0.20		0.15		0.15	0.21									
166+42.02	166+50.00		RT	7.98	21.50	19.06				19.06				1.05	1.05		0.79	0.93	0.79										
166+50.00	169+00.00		LT	250.00	22.75	631.94				631.94				34.76	34.76		26.33	43.89	26.33										
166+50.00	169+00.00		MD	250.00	4.00	111.11								6.11	6.11		4.63		4.63	6.56									
166+50.00	169+00.00		RT	250.00	18.75	520.83				520.83				28.65	28.65		21.70	25.32	21.70										
169+00.00	175+75.62		LT	675.62	20.00	1501.38				1501.38				82.58	82.58		62.56	104.26	62.56										
169+00.00	175+75.62		MD	675.62	4.00	300.28								16.52	16.52		12.51		12.51	17.72									
169+00.00	175+75.62		RT	675.62	16.00	1201.10				1201.10				66.06	66.06		50.05	58.39	50.05										
175+75.62	177+00.00		LT	124.38	18.00	248.76				248.76				13.68	13.68		10.37	17.28	10.37										
175+75.62	177+00.00		MD	124.38	2.00	27.64				27.64				1.52	1.52		1.15		1.15	1.63									
175+75.62	177+00.00		RT	124.38	20.00	276.40				276.40				15.20	15.20		11.52	13.44	11.52										
Concrete Median Detail																													
158+53.00	164+77.00			624.00	4.00	277.33							277.33																
165+73.00	175+75.00			1002.00	4.00	445.33							445.33																
SUBTOTALS CARRIED TO SHEET 38								3158.83	3158.83	4956.82	506.04	514.80	722.67	298.31	628.44		351.04	440.34	351.04	29.19									

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PAVEMENT CALCULATIONS - SIDE ROADS	CALCULATED JUM CHECKED SDS
RIC - 30 - 9 . 26	
27 38	

M:\5074\93455\Design\Roadway\Sheets\93455\028.dgn 11/20/2019 8:51:01 AM mdg2li

STATION RANGE		TYPICAL SECTION	SIDE	DISTANCE (D)	AVERAGE WIDTH (W)	SURFACE AREA (A) A=DxW/9	CADD GENERATED AREA	202	202												
								PAVEMENT REMOVED	PAVEMENT REMOVED, ASPHALT												
				FT	FT	SY	SY	SY	SY												
TO																					
US 30 Pavement Removal																					
489+00.00	498+50.00		RT	950.00	24.00	2533.33		2533.33													
489+00.00	498+50.00		RT	950.00	4.00	422.22			422.22												
498+50.00	507+15.00		RT	865.00	24.00	2306.67		2306.67													
498+50.00	507+15.00		RT	865.00	12.00	1153.33			1153.33												
507+15.00	513+23.00		RT	608.00	24.00	1621.33		1621.33													
507+15.00	513+23.00		RT	608.00	4.00	270.22			270.22												
513+23.00	525+68.00		RT	1245.00	24.00	3320.00		3320.00													
513+23.00	525+68.00		RT	1245.00	12.00	1660.00			1660.00												
525+68.00	535+40.00		RT	972.00	24.00	2592.00		2592.00													
525+68.00	535+40.00		RT	972.00	4.00	432.00			432.00												
535+40.00	552+35.62		RT	1695.62	24.00	4521.65		4521.65													
535+40.00	552+35.62		RT	1695.62	12.00	2260.83			2260.83												
552+35.62	555+77.42		RT	341.80	32.00	1215.29		1215.29													
552+35.62	555+77.42		RT	341.80	8.00	303.82			303.82												
555+77.42	557+36.00		RT	158.58	28.00	493.36		493.36													
555+77.42	557+36.00		RT	158.58	8.00	140.96			140.96												
557+36.00	562+00.00		RT	464.00	28.00	1443.56		1443.56													
562+00.00	565+84.00		RT	384.00	28.00	1194.67		1194.67													
562+00.00	565+84.00		RT	384.00	8.00	341.33			341.33												
565+84.00	566+65.00		RT	81.00	28.00	252.00		252.00													
569+05.00	570+40.00		RT	135.00	28.00	420.00		420.00													
570+40.00	575+17.00		RT	477.00	28.00	1484.00		1484.00													
570+40.00	575+17.00		RT	477.00	8.00	424.00			424.00												
575+17.00	578+75.00		RT	358.00	28.00	1113.78		1113.78													
578+75.00	598+00.00		RT	1925.00	28.00	5988.89		5988.89													
578+75.00	598+00.00		RT	1925.00	8.00	1711.11			1711.11												
598+00.00	598+94.00		RT	94.00	28.00	292.44		292.44													
598+00.00	598+94.00		RT	94.00	4.00	41.78			41.78												
601+08.00	602+00.00		RT	92.00	28.00	286.22		286.22													
601+08.00	602+00.00		RT	92.00	4.00	40.89			40.89												
602+00.00	605+00.00		RT	300.00	28.00	933.33		933.33													
602+00.00	605+00.00		RT	300.00	8.00	266.67			266.67												
605+00.00	606+38.00		RT	138.00	28.00	429.33		429.33													
605+00.00	606+38.00		RT	138.00	10.00	153.33			153.33												
606+38.00	610+10.00		RT	372.00	45.00	1860.00			1860.00												
626+92.00	630+30.00		RT	338.00	40.00	1502.22			1502.22												
SUBTOTALS CARRIED TO SHEET 38								32441.86	12984.72												

PAVEMENT REMOVAL - U.S. 30	RIC-30-9.26						
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center;">CALCULATED</td> <td style="width: 50%; text-align: center;">JUM</td> </tr> <tr> <td style="width: 50%; text-align: center;">CHECKED</td> <td style="width: 50%; text-align: center;">SDS</td> </tr> </table>	CALCULATED	JUM	CHECKED	SDS	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center;">28</td> <td style="width: 50%; text-align: center;">38</td> </tr> </table>	28	38
CALCULATED	JUM						
CHECKED	SDS						
28	38						

M:\5074_93455\Design\Roadway\Sheets\93455C029.dgn 11/20/2019 8:51:01 AM mdg2ll

STATION RANGE	TYPICAL SECTION	SIDE	DISTANCE (D)	AVERAGE WIDTH (W)	SURFACE AREA (A) A=DxW / 9	CADD GENERATED AREA	202	202												
							PAVEMENT REMOVED	PAVEMENT REMOVED, ASPHALT												
			FT	FT	SY	SY	SY	SY												
630+30.00	TO	631+92.00		RT	162.00	63.00	1134.00			1134.00										
631+92.00		639+98.00		RT	806.00	32.00	2865.78			2865.78										
639+98.00		643+25.00		RT	327.00	38.00	1380.67	1380.67												
639+98.00		643+25.00		RT	327.00	6.75	245.25			245.25										
643+25.00		643+41.00		RT	16.00	38.00	67.56	67.56												
643+41.00		647+30.00		RT	389.00	28.00	1210.22	1210.22												
647+30.00		649+23.00		RT	193.00	28.00	600.44	600.44												
647+30.00		649+23.00		RT	193.00	8.00	171.56			171.56										
649+23.00		652+30.00		RT	307.00	28.00	955.11	955.11												
654+70.00		662+40.00		RT	770.00	28.00	2395.56	2395.56												
659+15.00		662+40.00		RT	325.00	8.00	288.89			288.89										
662+40.00		667+00.00		RT	460.00	24.00	1226.67	1226.67												
662+40.00		667+00.00		RT	460.00	12.00	613.33			613.33										
667+00.00		675+75.00		RT	875.00	24.00	2333.33	2333.33												
667+00.00		675+75.00		RT	875.00	4.00	388.89			388.89										
675+75.00		681+46.00		RT	571.00	24.00	1522.67	1522.67												
675+75.00		681+46.00		RT	571.00	12.00	761.33			761.33										
681+46.00		689+50.00		RT	804.00	24.00	2144.00	2144.00												
681+46.00		689+50.00		RT	804.00	4.00	357.33			357.33										
489+00.00		493+28.60		LT	428.60	24.00	1142.93	1142.93												
489+00.00		493+28.60		LT	428.60	4.00	190.49			190.49										
493+28.60		506+50.00		LT	1321.40	36.00	5285.60	5285.60												
493+28.60		506+50.00		LT	1321.40	12.00	1761.87			1761.87										
506+50.00		512+10.00		LT	560.00	24.00	1493.33	1493.33												
506+50.00		512+10.00		LT	560.00	4.00	248.89			248.89										
512+10.00		524+54.00		LT	1244.00	24.00	3317.33	3317.33												
512+10.00		524+54.00		LT	1244.00	12.00	1658.67			1658.67										
524+54.00		530+70.00		LT	616.00	24.00	1642.67	1642.67												
524+54.00		530+70.00		LT	616.00	4.00	273.78			273.78										
530+70.00		549+00.00		LT	1830.00	24.00	4880.00	4880.00												
530+70.00		549+00.00		LT	1830.00	12.00	2440.00			2440.00										
549+00.00		552+82.00		LT	382.00	28.00	1188.44	1188.44												
549+00.00		552+82.00		LT	382.00	8.00	339.56			339.56										
552+82.00		559+85.00		LT	703.00	28.00	2187.11	2187.11												
559+85.00		562+13.00		LT	228.00	28.00	709.33	709.33												
559+85.00		562+13.00		LT	228.00	8.00	202.67			202.67										
562+13.00		566+65.00		LT	452.00	28.00	1406.22	1406.22												
SUBTOTALS CARRIED TO SHEET 38							37089.20	13942.27												

CALCULATED JJM CHECKED SDS	PAVEMENT REMOVAL - U.S. 30	RIC-30-9.26	29 38
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STATION RANGE	TYPICAL SECTION	SIDE	DISTANCE (D)	AVERAGE WIDTH (W)	SURFACE AREA (A) A=DxW / 9	CADD GENERATED AREA	202	202														
							PAVEMENT REMOVED	PAVEMENT REMOVED, ASPHALT														
			FT	FT	SY	SY	SY	SY														
	TO																					
569+05.00	570+52.00	LT	147.00	28.00	457.33		457.33															
569+05.00	570+52.00	LT	147.00	2.25	36.75			36.75														
570+52.00	574+50.00	LT	398.00	28.00	1238.22		1238.22															
574+50.00	598+33.00	LT	2383.00	28.00	7413.78		7413.78															
574+50.00	598+33.00	LT	2383.00	8.00	2118.22			2118.22														
598+33.00	598+94.00	LT	61.00	28.00	189.78		189.78															
598+33.00	598+94.00	LT	61.00	4.00	27.11			27.11														
601+08.00	601+80.00	LT	72.00	28.00	224.00		224.00															
601+08.00	601+80.00	LT	72.00	4.00	32.00			32.00														
601+80.00	606+38.04	LT	458.04	34.00	1730.37		1730.37															
601+80.00	606+38.04	LT	458.04	11.00	559.83			559.83														
606+38.04	610+10.00	LT	371.96	63.00	2603.72			2603.72														
626+92.00	629+03.00	LT	211.00	40.00	937.78			937.78														
629+03.00	632+97.00	LT	394.00	60.00	2626.67			2626.67														
632+97.00	639+98.00	LT	701.00	32.00	2492.44			2492.44														
642+34.00	642+54.00	LT	20.00	38.00	84.44		84.44															
642+34.00	642+54.00	LT	20.00	13.50	30.00			30.00														
642+54.00	643+41.00	LT	87.00	38.00	367.33		367.33															
642+54.00	643+41.00	LT	87.00	6.75	65.25			65.25														
643+41.00	648+52.00	LT	511.00	28.00	1589.78		1589.78															
648+52.00	651+43.00	LT	291.00	28.00	905.33		905.33															
648+52.00	651+43.00	LT	291.00	8.00	258.67			258.67														
651+43.00	652+30.00	LT	87.00	28.00	270.67		270.67															
654+70.00	656+72.00	LT	202.00	28.00	628.44		628.44															
656+72.00	659+50.00	LT	278.00	30.00	926.67		926.67															
656+72.00	659+50.00	LT	278.00	8.00	247.11			247.11														
659+50.00	659+84.00	LT	34.00	24.00	90.67		90.67															
659+50.00	659+84.00	LT	34.00	14.00	52.89			52.89														
659+84.00	664+00.00	LT	416.00	24.00	1109.33		1109.33															
659+84.00	664+00.00	LT	416.00	12.00	554.67			554.67														
664+00.00	677+43.00	LT	1343.00	24.00	3581.33		3581.33															
664+00.00	677+43.00	LT	1343.00	4.00	596.89			596.89														
677+43.00	681+46.00	LT	403.00	24.00	1074.67		1074.67															
677+43.00	681+46.00	LT	403.00	12.00	537.33			537.33														
681+46.00	689+50.00	LT	804.00	24.00	2144.00		2144.00															
681+46.00	689+50.00	LT	804.00	4.00	357.33			357.33														
SUBTOTALS CARRIED TO SHEET 38							24026.15	14134.66														

CALCULATED
JJM
CHECKED
SDS

PAVEMENT REMOVAL - U.S. 30

RIC-30-9.26

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STATION RANGE	TYPICAL SECTION	SIDE	DISTANCE (D)	AVERAGE WIDTH (W)	SURFACE AREA (A) A=DxW/9	CADD GENERATED AREA	202	202																
							PAVEMENT REMOVED	PAVEMENT REMOVED, ASPHALT	SY	SY	SY	SY	SY	SY	SY	SY	SY	SY	SY	SY	SY	SY	SY	
			FT	FT	SY	SY	SY	SY																
TO																								
SR 309 WB Exit Ramp Pavement Removal																								
490+26.96			49329 (US 30)			954.45	954.45																	
490+26.96			49330 (US 30)			381.36		381.36																
SR 309 EB Entrance Ramp Pavement Removal																								
490+26.96			493+29.00			1182.45	1182.45																	
490+26.96			493+29.00			844.60		844.60																
Trimble Ramp A Pavement Removal																								
7+98.68			8+60.00	61.32	16.00	109.01	109.01																	
7+98.68			8+60.00	61.32	10.00	68.13		68.13																
507+15.00			7+98.68			1066.38	1066.38																	
507+15.00			7+98.68			428.24		428.24																
Trimble Ramp B Pavement Removal																								
8+00.00			2+00.00			1024.96	1024.96																	
8+00.00			2+00.00			468.01		468.01																
Trimble Ramp C Pavement Removal																								
10+15.22			11+51.00	135.78	16.00	241.39	241.39																	
10+15.22			11+51.00	135.78	9.00	135.78		135.78																
10+15.22			0+44.74			1804.16	1804.16																	
10+15.22			0+44.74			667.64		667.64																
Trimble Ramp D Pavement Removal																								
10+17.23			11+80.00	162.77	16.00	289.37	289.37																	
10+17.23			11+80.00	162.77	6.00	108.51		108.51																
10+15.22			0+44.74			1247.31	1247.31																	
10+15.22			0+44.74			457.65		457.65																
39 Ramp GL Pavement Removal																								
5+46.32			10+74.31	527.99	16.00	938.65	938.65																	
5+46.32			10+74.31	527.99	6.00	351.99		351.99																
10+74.31			557+36.00			742.93	742.93																	
10+74.31			557+36.00			213.70		213.70																
39 Ramp GR Pavement Removal																								
5+46.32			10+74.31	527.99	16.00	938.65	938.65																	
5+46.32			10+74.31	527.99	6.00	351.99		351.99																
10+74.31			557+36.00			167.55	167.55																	
10+74.31			557+36.00			30.24		30.24																
39 Ramp G Pavement Removal																								
0+00.00			3+58.36	358.36	33.00	1313.99	1313.99																	
0+00.00			3+58.36	358.36	12.00	477.81		477.81																
39 Ramp GA Exit Slip Pavement Removal																								
2+51.56			705+72.63 (SR 39)			601.01	601.01																	
2+52.56			705+72.63 (SR 39)			503.18		503.18																
39 Ramp G Exit Pavement Removal																								
0+18.00			1+86.48			422.14	422.14																	
0+18.00			1+86.48			85.82		85.82																
SUBTOTALS CARRIED TO SHEET 38							13044.40	5574.67																

CALCULATED
JJM
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PAVEMENT REMOVAL - RAMPS
RIC - 30 - 9 . 26
31
38

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STATION RANGE	TYPICAL SECTION	SIDE	DISTANCE (D)	AVERAGE WIDTH (W)	SURFACE AREA (A) A=DxW / 9	CADD GENERATED AREA	202	202												
							PAVEMENT REMOVED	PAVEMENT REMOVED, ASPHALT												
			FT	FT	SY	SY	SY	SY												
39 Ramp GB Entrance Slip Pavement Removal																				
2+39.12			697+99.52 (SR 39)			527.03	527.03													
2+39.12			697+99.52 (SR 39)			406.88		406.88												
39 Ramp HL Pavement Removal																				
0+80.37			3+04.15	223.78	16.00	397.83	397.83													
0+80.37			3+04.15	223.78	8.00	198.92		198.92												
0+80.37			552+82.00			816.16	816.16													
0+80.37			552+82.00			490.46		490.46												
39 Ramp HR Pavement Removal																				
0+91.42			3+04.15	212.73	16.00	378.19	378.19													
0+91.42			3+04.15	212.73	11.00	260.00		260.00												
0+91.42			566+65.00			521.66	521.66													
0+91.42			566+65.00			193.71		193.71												
39 Ramp H Pavement Removal																				
3+04.15			5+26.21	222.06	33.00	814.22	814.22													
3+04.15			5+26.21	222.06	12.00	296.08		296.08												
39 Ramp HA Exit Slip Pavement Removal																				
5+29.15			693+00 (SR 39)			715.29	715.29													
2+52.56			693+00 (SR 39)			266.24		266.24												
39 Ramp H Exit Pavement Removal																				
5+29.15			7+32.70			657.50	657.50													
5+29.15			7+32.70			81.23		81.23												
39 Ramp HB Entrance Slip Pavement Removal																				
2+39.12			697+99.52 (SR 39)			635.94	635.94													
2+39.12			697+99.52 (SR 39)			341.81		341.81												
39 Ramp J Pavement Removal																				
1+51.85			574+50.00			548.63	548.63													
1+51.85			574+50.00			247.00		247.00												
1+51.85			7+96.96	645.11	16.00	1146.86	1146.86													
1+51.85			7+96.96	645.11	8.00	573.43		573.43												
7+96.96			9+50.00	153.04	16.00	272.07	272.07													
7+96.96			9+50.00	153.04	6.00	102.03		102.03												
9+50.00			12+00.00	250.00	16.00	444.44	444.44													
9+50.00			12+00.00	250.00	4.00	111.11		111.11												
12+00.00			15+20.29			574.97	574.97													
12+00.00			15+20.29			54.82		54.82												
39 Ramp I Pavement Removal																				
6+48.73			578+75.00			361.71	361.71													
6+48.73			578+75.00			219.04		219.04												
0+89.02			6+48.73	559.71	16.00	995.04	995.04													
0+89.02			6+48.73	559.71	6.00	373.14		373.14												
0+48.79			0+89.02			60.41	60.41													
0+48.79			0+89.02			22.72		22.72												
SUBTOTALS CARRIED TO SHEET 38							9867.96	4238.62												

CALCULATED JJM CHECKED SDS	PAVEMENT REMOVAL - RAMPS	RIC - 30 - 9.26	32 38
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M:\5074-93455\Design\Roadway\Sheet\93455C033.dgn 11/20/2019 8:51:04 AM mdg2l

STATION RANGE	TYPICAL SECTION	SIDE	DISTANCE (D)	AVERAGE WIDTH (W)	SURFACE AREA (A) A=DxW/9	CADD GENERATED AREA	202	202												
							PAVEMENT REMOVED	PAVEMENT REMOVED, ASPHALT												
			FT	FT	SY	SY	SY	SY												
<i>SR 13 Ramp C Pavement Removal</i>																				
626+92 (US 30)			11+03.37			450.93		450.93												
626+92 (US 30)			11+03.37			245.88		245.88												
11+03.37			12+50.00	146.63	16.00	260.68		260.68												
11+03.37			12+50.00	146.63	9.00	146.63		146.63												
<i>SR 13 Ramp D Pavement Removal</i>																				
18+00.00			19+07.14	107.14	16.00	190.47		190.47												
18+00.00			19+07.14	107.14	9.00	107.14		107.14												
19+07.14			639+98 (US 30)			996.43		996.43												
19+07.14			639+98 (US 30)			1061.28		1061.28												
<i>SR 13 Ramp A Pavement Removal</i>																				
626+92 (US 30)			11+06.67			1054.17		1054.17												
11+06.67			12+59.93	153.26	28.00	476.81		476.81												
<i>SR 13 Ramp B Pavement Removal</i>																				
12+59.93			13+50.00	90.07	26.00	260.20		260.20												
13+50.00			639+98 (US 30)			2683.84		2683.84												
<i>SR 13 Ramp AB Pavement Removal</i>																				
10+75.00			12+60.09	185.09	54.00	1110.54		1110.54												
10+15.00			10+75.00			527.56		527.56												
<i>SR 545 Ramp SL Pavement Removal</i>																				
646+51 (US 30)			0+72.74			317.70	317.70													
646+51 (US 30)			0+72.74			72.09	72.09													
0+72.74			2+00.00	127.26	16.00	226.24		226.24												
0+72.74			2+00.00	127.26	9.00	127.26		127.26												
2+00.00			2+50.00	50.00	16.00	88.89		88.89												
2+00.00			2+50.00	50.00	7.50	41.67		41.67												
2+50.00			4+06.94	156.94	16.00	279.00		279.00												
2+50.00			4+06.94	156.94	6.00	104.63		104.63												
654+70 (US 30)			656+72 (US 30)			165.23	165.23													
654+70 (US 30)			656+72 (US 30)			89.26	89.26													
<i>SR 545 Ramp SR Pavement Removal</i>																				
652+30 (US 30)			0+93.96			176.75	176.75													
652+30 (US 30)			0+93.96			36.92	36.92													
0+93.96			1+50.00	56.04	16.00	99.63		99.63												
0+93.96			1+50.00	56.04	9.00	56.04		56.04												
1+50.00			2+00.00	50.00	16.00	88.89		88.89												
1+50.00			2+00.00	50.00	7.50	41.67		41.67												
2+00.00			3+92.86	192.86	16.00	342.86		342.86												
2+00.00			3+92.86	192.86	6.00	128.57		128.57												
SUBTOTALS CARRIED TO SHEET 38							1785.18	10270.66												

<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">CALCULATED</td> <td style="text-align: center;">JJM</td> <td style="text-align: center;">CHECKED</td> <td style="text-align: center;">SDS</td> </tr> </table>	CALCULATED	JJM	CHECKED	SDS	PAVEMENT REMOVAL - RAMPS	RIC - 30 - 9 . 26	<table border="1" style="width: 30px; height: 30px; border-collapse: collapse;"> <tr><td style="text-align: center;">33</td></tr> <tr><td style="text-align: center;">38</td></tr> </table>	33	38
CALCULATED	JJM	CHECKED	SDS						
33									
38									

STATION RANGE	TYPICAL SECTION	SIDE	DISTANCE (D)	AVERAGE WIDTH (W)	SURFACE AREA (A) A=DxW / 9	CADD GENERATED AREA	202	202													
							PAVEMENT REMOVED	PAVEMENT REMOVED, ASPHALT													
				FT	FT	SY	SY	SY	SY												
		TO																			
<i>SR 545 Ramp S Pavement Removal</i>																					
4+06.97			8+35.89		428.92	38.00	1811.00	1811.00													
4+06.97			8+35.89		428.92	6.00	285.95		285.95												
8+35.89			9+78.77		142.88	38.00	603.27	603.27													
9+78.77			9+98.60		19.83	41.00	90.34	90.34													
<i>SR 545 Ramp S Exit Slip Pavement Removal</i>																					
8+35.90			62+13.82 (SR 545)				429.82	429.82													
8+35.90			62+13.82 (SR 545)				177.50		177.50												
<i>SR 545 Ramp S Entrance Slip Pavement Removal</i>																					
10+85.90			71+55.70 (SR 545)				943.65	943.65													
10+85.90			71+55.70 (SR 545)				260.71		260.71												
<i>SR 545 Ramp RR Pavement Removal</i>																					
646+51 (US 30)			0+88.23				180.84	180.84													
646+51 (US 30)			0+88.23				28.71		28.71												
0+88.23			2+71.40		183.17	38.00	773.38	773.38													
0+88.23			2+71.40		183.17	9.00	183.17		183.17												
654+70 (US 30)			659+15 (US 30)				331.00	331.00													
654+70 (US 30)			659+15 (US 30)				271.33		271.33												
<i>SR 545 Ramp RL Pavement Removal</i>																					
1+50.00			2+57.09		107.09	16.00	190.38	190.38													
1+50.00			2+57.09		107.09	6.00	71.39		71.39												
1+00.00			1+50.00		50.00	16.00	88.89	88.89													
1+00.00			1+50.00		50.00	7.50	41.67		41.67												
0+67.26			1+00.00		32.74	16.00	58.20	58.20													
0+67.26			1+00.00		32.74	9.00	32.74		32.74												
0+67.26			652+30 (US 30)				419.54	419.54													
0+67.26			652+30 (US 30)				184.15		184.15												
<i>SR 545 Ramp R Pavement Removal</i>																					
2+71.36			4+00.00		128.64	35.00	500.27	500.27													
2+71.36			4+00.00		128.64	8.00	114.35		114.35												
4+00.00			5+69.49		169.49	35.00	659.13	659.13													
5+69.49			5+90.71		21.22	38.00	89.60	89.60													
<i>SR 545 Ramp RR Exit Slip Pavement Removal</i>																					
4+00.00			7+00.00				562.49	562.49													
4+00.00			7+00.00				123.94		123.94												
<i>SR 545 Ramp RL Exit Slip Pavement Removal</i>																					
4+28.54			59+75 (SR 545)				558.55	558.55													
4+28.54			59+75 (SR 545)				134.34		134.34												
SUBTOTALS CARRIED TO SHEET 38							8290.34	1909.93													

STATION RANGE	TYPICAL SECTION	SIDE	DISTANCE (D)	AVERAGE WIDTH (W)	SURFACE AREA (A) A=DxW / 9	CADD GENERATED AREA	202 PAVEMENT REMOVED	202 PAVEMENT REMOVED, ASPHALT													
			FT	FT	SY	SY	SY	SY													
TO																					
<i>Fifth Ave Ramp A Pavement Removal</i>																					
667+00 (US 30)			364+90.60			2215.51	2215.51														
667+00 (US 30)			364+90.60			777.92		777.92													
364+90.60			369+14.37	423.77	22.00	1035.88		1035.88													
<i>Fifth Ave Ramp B Pavement Removal</i>																					
369+50.00			370+70.29	120.29	24.00	320.77		320.77													
364+90.60			667+00 (US 30)			2396.35	2396.35														
364+90.60			667+00 (US 30)			611.05		611.05													
<i>Fifth Ave Ramp C Pavement Removal</i>																					
375+24.84			378+37.48			1057.12	1057.12														
375+24.84			378+37.48			277.52		277.52													
<i>Fifth Ave Ramp D Pavement Removal</i>																					
664+00 (US 30)			366+58.42			2694.72	2694.72														
664+00 (US 30)			366+58.42			1296.65		1296.65													
366+58.42			369+65.87	307.45	24.00	819.87		819.87													
<i>Longview Ave W</i>																					
100+68.66			103+18.50	249.84	24.00	666.24		666.24													
100+25.74			100+68.66			146.55		146.55													
<i>SR 39</i>																					
686+85.00			693+00.00	615.00	7.00	478.33		478.33													
687+08.00			693+00.00	592.00	4.00	263.11			263.11												
686+85.00			698+00.00	1115.00	71.50	8858.06		8858.06													
687+08.00			698+00.00	1092.00	8.00	970.67			970.67												
698+00.00			699+00.00	100.00	54.00	600.00		600.00													
698+00.00			699+00.00	100.00	4.00	44.44			44.44												
699+00.00			703+79.00	479.00	5.00	266.11			266.11												
<i>Relocated Longview Ave</i>																					
202+75.00			209+58.55	683.55	24.00	1822.80		1822.80													
209+58.55			212+21.24	262.69	28.00	817.26		817.26													
<i>Longview Ave E</i>																					
53+28.73		RT	53+58.64	57.39		21.40	21.40														
53+58.64		RT	57+28.50	369.86	2.00	82.19		82.19													
53+58.64		RT	57+28.50	369.86	1.00	41.10			41.10												
57+28.50		RT	58+00.00	71.50	3.75	29.79		29.79													
57+28.50		RT	58+00.00	71.50	1.00	7.94			7.94												
58+00.00		RT	58+50.00	50.00	5.50	30.56		30.56													
58+00.00		RT	58+50.00	50.00	1.00	5.56			5.56												
58+50.00		RT	62+00.00	350.00	3.50	136.11		136.11													
58+50.00		RT	62+00.00	350.00	1.00	38.89			38.89												
SUBTOTALS CARRIED TO SHEET 38							22053.00	6777.49													

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STATION RANGE	TYPICAL SECTION	SIDE	DISTANCE (D)	AVERAGE WIDTH (W)	SURFACE AREA (A) A=DxW / 9	CADD GENERATED AREA	202	202																	
							PAVEMENT REMOVED	PAVEMENT REMOVED, ASPHALT																	
							SY	SY	SY	SY	SY	SY	SY	SY	SY	SY	SY	SY	SY	SY	SY	SY	SY	SY	SY
	TO																								
62+00.00	67+50.00	RT	550.00	2.75	168.06		168.06																		
62+00.00	67+50.00	RT	550.00	1.00	61.11			61.11																	
67+50.00	71+60.61	RT	410.61	1.75	79.84		79.84																		
67+50.00	71+60.61	RT	410.61	1.75	79.84			79.84																	
71+71.45	75+50.00	RT	378.55	2.00	84.12		84.12																		
71+71.45	75+50.00	RT	378.55	1.00	42.06			42.06																	
75+50.00	76+00.00	RT	50.00	1.50	8.33		8.33																		
75+50.00	76+00.00	RT	50.00	1.00	5.56			5.56																	
75+50.00	76+00.00	RT	50.00	1.50	8.33		8.33																		
75+50.00	76+00.00	RT	50.00	2.00	11.11			11.11																	
76+00.00	77+50.00	RT	150.00	3.00	50.00		50.00																		
76+00.00	77+50.00	RT	150.00	1.00	16.67			16.67																	
77+50.00	52+76 (SR 545)	RT				67.82	67.82																		
77+50.00	52+76 (SR 545)	RT				38.98		38.98																	
53+28.73	53+70.40	LT	57.39			29.58	29.58																		
53+70.40	57+00.00	LT	329.60	5.00	183.11		183.11																		
57+00.00	57+50.00	LT	50.00	2.00	11.11		11.11																		
57+00.00	57+35.00	LT	35.00	3.00	11.67		11.67																		
57+50.00	59+00.00	LT	150.00	2.00	33.33		33.33																		
59+00.00	61+00.00	LT	57.39			117.00	117.00																		
59+00.00	61+00.00	LT	58.39			9.86		9.86																	
61+00.00	71+68.01	LT	1068.01	2.00	237.34		237.34																		
61+00.00	69+50.00	LT	850.00	1.00	94.44			94.44																	
69+50.00	71+68.01	LT				43.09		43.09																	
71+78.84	75+00.00	LT	321.16	2.00	71.37		71.37																		
71+78.84	75+00.00	LT	321.16	1.00	35.68			35.68																	
75+00.00	75+50.00	LT	50.00	2.50	13.89		13.89																		
75+00.00	75+50.00	LT	50.00	1.00	5.56			5.56																	
75+50.00	77+50.00	LT	200.00	2.50	55.56		55.56																		
75+50.00	77+50.00	LT	200.00	1.00	22.22			22.22																	
77+50.00	77+85.21	LT	57.39			10.61	10.61																		
77+50.00	77+85.21	LT	58.39			5.56		5.56																	
	Wise Ave																								
20+25.09	21+00.00		74.91			201.48		201.48																	
21+00.00	31+65.00		1065.00	15.00	1775.00			1775.00																	
SUBTOTALS CARRIED TO SHEET 38							1241.07	2448.21																	

CALCULATED	JJM	CHECKED	SDS
PAVEMENT REMOVAL - SIDE ROADS			
RIC - 30 - 9 .26			
36	38		

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STATION RANGE	TYPICAL SECTION	SIDE	DISTANCE (D)	AVERAGE WIDTH (W)	SURFACE AREA (A) A=DxW/9	CADD GENERATED AREA	202	202	618											
							PAVEMENT REMOVED	PAVEMENT REMOVED, ASPHALT	RUMBLE STRIPS, SHOULDER (ASPHALT CONCRETE)	SY	SY	SY	SY	SY	SY	SY	SY	SY	SY	SY
			FT	FT	SY	SY	SY	SY	SY	MILE										
TO																				
SR 545																				
52+71.00		55+16.00	RT	245.00	7.50	204.17		204.17												
52+71.00		55+16.00	RT	245.00	2.50	68.06			68.06											
55+78.00		57+41.00	RT	163.00	7.50	135.83		135.83												
55+78.00		57+41.00	RT	163.00	2.50	45.28			45.28											
58+43.00		59+75.00	RT	132.00	7.50	110.00		110.00												
58+43.00		59+75.00	RT	132.00	2.50	36.67			36.67											
59+75.00		65+25.00	RT	550.00	24.50	1497.22		1497.22												
65+25.00		66+50.00	RT	125.00	2.50	34.72		34.72												
66+50.00		68+50.00	RT	200.00	4.25	94.44		94.44												
68+50.00		75+03.00	RT	653.00	6.00	435.33		435.33												
75+29.00		77+00.00	RT	171.00	3.00	57.00		57.00												
54+56.00		56+35.00	LT	179.00	3.50	69.61		69.61												
56+70.00		57+64.00	LT	94.00	4.00	41.78		41.78												
59+75.00		65+25.00	LT	550.00	24.50	1497.22		1497.22												
71+55.70		75+59.00	LT	403.30	4.50	201.65		201.65												
71+55.70		75+59.00	LT	403.30	2.00	89.62			89.62											
US 30																				
OUTSIDE SHOULDER																				
442+76.00		724+64.00	LT	28188.00						5.34										
434+91.00		724+74.00	RT	28983.00						5.49										
MEDIAN SHOULDER																				
447+19.00		724+92.00	LT	27773.00						5.26										
447+19.00		722+85.00	RT	27566.00						5.22										
DEDUCT FOR BRIDGES																				
RIC-30-1074				267.00	X 4 SHOULDERS	1068.00				-0.20										
RIC-30-1135				214.00	X 4 SHOULDERS	856.00				-0.16										
RIC-30-1156				1678.00	X 4 SHOULDERS	6712.00				-1.27										
RIC-30-1219				264.00	X 4 SHOULDERS	1056.00				-0.20										
RIC-30-1236				238.00	X 4 SHOULDERS	952.00				-0.18										
SUBTOTALS CARRIED TO SHEET 38							4378.98	239.62	19.29											

CALCULATED JJM	CHECKED SDS	PAVEMENT REMOVAL - SIDE ROADS - U.S. 30 RUMBLE STRIPS

