

Appendix D

Geometrics

I-40 Horizontal Curve Analysis - Eastbound

LEGEND: DOES NOT MEET POSTED SPEED MEETS POSTED SPEED MEETS 80 MPH DESIGN SPEED

EB Horizontal Curve #	Radius (ft)	MP Begin	MP End	Design Speed* (mph)	Superelevation (SE %)	Corrected SE (%)	SE Difference (%)	Pvmt. Rec.	SE/Curve Correction	Conflicts/Correction
1	4000.0	0.0	0.2	65	4	5.0	1.0	Rehab	Mill & Inlay	-
2	2855.0	0.3	0.7	60	4.9	6.0	1.1	Rehab	Mill & Inlay	Bridge 6294/ Recon.
3	5735.0	2.1	2.8	50	1.6	3.8	2.2	Rehab	Full Recon.	CBC
4	11500.0	4.3	4.6	75	1.9	-	-	Rehab	-	-
5	5695.0	5.3	5.5	50	2.3	3.8	1.5	Rehab	Mill & Inlay	-
6	5690.0	7.3	7.7	45	1.9	3.8	1.9	Rehab	Mill & Inlay	-
7	11500.0	8.6	8.9	75	2	-	-	Full Recon.	-	-
8	11295.0	9.5	10.0	70	2.1	2.4	0.3	Full Recon.	Mill & Inlay	-
9	11500.0	11.7	12.4	80	3	-	-	Full Recon.	-	-
10	7705.0	14.4	14.7	80	4	-	-	Rehab	-	-
11	11500.0	14.9	15.2	80	2.8	-	-	Rehab	-	-
12	3110.0	15.7	16.2	80	6.1	-	-	Rehab	-	-
13	2850.0	16.7	17.2	75	6	-	-	Rehab	-	-
14	5745.0	17.7	18.3	50	1.7	3.0	1.3	Rehab	Mill & Inlay	Bridge 8846/Recon.
15	4560.0	18.5	18.7	55	2.8	3.6	0.8	Rehab	Mill & Inlay	-
16	5700.0	20.6	21.0	55	2.6	3.2	0.6	Rehab	Mill & Inlay	Exit 20
17	3025.0	21.2	21.4	75	5.8	-	-	Rehab	-	-
18	3315.0	21.7	21.9	80	6	-	-	Rehab	-	-
19	2955.0	21.9	22.1	70	5.4	-	-	Rehab	-	-
20	3845.0	22.2	22.5	70	4.6	-	-	Rehab	-	-
21	5595.0	23.0	23.2	60	2.9	3.2	0.3	Rehab	Mill & Inlay	Exit 22 EB On
22	5690.0	23.5	23.8	70	3.4	-	-	Rehab	-	-
23	2910.0	25.3	25.7	70	5.6	-	-	Rehab	-	-
24	1940.0	26.0	26.4	60	7.5	7.6	0.1	Full Recon.	Mill & Inlay	Exit 26
25	5755.0	26.9	27.3	55	2.8	3.8	1.0	Rehab	Mill & Inlay	-
26	5725.0	29.9	30.2	60	3	3.8	0.8	Full Recon.	Mill & Inlay	-
27	11500.0	33.2	33.4	75	2	-	-	Rehab	-	-
28	11500.0	36.4	36.7	75	1.2	-	-	Rehab	-	-
29	5810.0	40.3	40.8	75	3.8	-	-	Rehab	-	-
30	5745.0	41.6	41.9	70	3.8	3.8	0.0	Rehab	Mill & Inlay	-
31	23400.0	42.9	43.2	80	2	-	-	Rehab	-	-
32	18450.0	44.6	44.7	80	2.2	-	-	Rehab	-	-
33	6350.0	47.1	47.2	55	2.5	3.4	0.9	Rehab	Mill & Inlay	-
34	5835.0	47.2	47.3	60	2.9	3.8	0.9	Rehab	Mill & Inlay	-
35	11565.0	50.2	50.8	75	1.6	-	-	Full Recon.	-	-
36	5590.0	55.2	55.4	75	4.4	-	-	Rehab	-	-
37	10440.0	56.7	56.9	80	3	-	-	Full Recon.	-	-
38	5810.0	58.7	58.9	80	4.4	-	-	Rehab	-	-
39	11500.0	59.6	60.0	75	2.2	-	-	Rehab	-	-
40	5780.0	62.3	62.6	80	4.4	-	-	Full Recon.	-	-
41	5660.0	65.6	66.4	70	3.4	3.8	0.4	Full Recon.	Mill & Inlay	-
42	4375.0	68.3	68.5	55	3.1	4.8	1.7	Rehab	Mill & Inlay	-
43	28135.0	69.2	69.5	80	1.6	-	-	Rehab	-	-
44	5640.0	70.9	71.2	55	2.7	3.8	1.1	Rehab	Mill & Inlay	-
45	11500.0	71.8	72.5	75	1.8	-	-	Rehab	-	-
46	22470.0	73.3	73.5	80	1.1	-	-	Rehab	-	-
47	3225.0	78.8	79.1	65	4.9	5.8	0.9	Full Recon.	Mill & Inlay	Exit 79, Bridge 7314/Recon.
48	4450.0	79.8	80.6	65	4	4.6	0.6	Full Recon.	Mill & Inlay	Bridge 7317/Recon.
49	6375.0	82.0	82.0	60	2.7	3.4	0.7	Full Recon.	Mill & Inlay	Exit 81
50	6190.0	82.4	82.5	55	2.5	3.6	1.1	Full Recon.	Mill & Inlay	-
51	5755.0	83.1	83.4	50	2.1	3.8	1.7	Full Recon.	Mill & Inlay	-
52	5430.0	84.3	84.4	55	2.6	4.0	1.4	Full Recon.	Mill & Inlay	-
53	9770.0	89.2	89.3	65	1.9	2.4	0.5	Rehab	Mill & Inlay	Exit 89
54	5760.0	90.2	90.6	50	2.3	3.8	1.5	Rehab	Mill & Inlay	-
55	5670.0	91.8	92.1	45	1.7	3.8	2.1	Full Recon.	Full Recon.	CBC
56	4925.0	92.6	92.7	45	1.9	4.2	2.3	Full Recon.	Full Recon.	CBC
57	4565.0	93.7	94.4	45	2.3	4.6	2.3	Full Recon.	Full Recon.	CBC
58	5865.0	94.9	95.3	70	3.7	3.8	0.1	Full Recon.	Mill & Inlay	-
59	11325.0	96.8	97.3	80	3.4	-	-	Rehab	-	-

I-40 Horizontal Curve Analysis - Eastbound

LEGEND: DOES NOT MEET POSTED SPEED MEETS POSTED SPEED MEETS 80 MPH DESIGN SPEED

EB Horizontal Curve #	Radius (ft)	MP Begin	MP End	Design Speed* (mph)	Superelevation (SE %)	Corrected SE (%)	SE Difference (%)	Pvmt. Rec.	SE/Curve Correction	Conflicts/Correction
60	4320.0	103.1	104.0	55	3.1	4.8	1.7	Rehab	Mill & Inlay	-
61	5735.2	104.4	105.1	55	2.6	3.8	1.2	Rehab	Mill & Inlay	Exit 104
62	11500.0	106.6	107.2	75	1.2	-	-	Full Recon.	-	-
63	11520.0	109.0	109.7	80	2.7	-	-	Rehab	-	-
64	5728.7	112.3	112.9	75	3.8	-	-	Rehab	-	-
65	2876.4	114.2	114.6	75	6.4	-	-	Rehab	-	-
66	2685.0	115.6	116.0	75	6.1	-	-	Rehab	-	-
67	5613.7	117.1	117.3	55	2.7	3.8	1.1	Full Recon.	Mill & Inlay	-
68	5758.7	119.0	119.9	50	1.6	3.8	2.2	Full Recon.	Full Recon.	Bridge 6122 (Over I-40)
69	11523.5	123.0	123.4	80	2.4	-	-	Full Recon.	-	-
70	5749.2	128.7	129.3	70	3.7	3.8	0.1	Full Recon.	Mill & Inlay	-
71	8540.0	137.1	137.3	65	2.4	2.8	0.4	Full Recon.	Mill & Inlay	-
72	5770.0	145.1	145.2	50	0.2	3.8	3.6	Rehab	Full Recon.	-
73	5796.1	148.9	149.3	70	3.6	3.8	0.2	Rehab	Mill & Inlay	Exit 150 EB Off

*Based on guidelines in the 2018 AASHTO Green Book , Emax = 6% superelevation table. Design speed can be assessed using other methods.

I-40 Horizontal Curve Analysis - Westbound

LEGEND: DOES NOT MEET POSTED SPEED MEETS POSTED SPEED MEETS 80 MPH DESIGN SPEED

WB Horizontal Curve No.	Radius (ft)	MP Begin	MP End	Design Speed* (mph)	Superelevation (SE %)	Corrected SE (%)	SE Difference (%)	Pvmt. Rec.	SE/Curve Correction	Conflicts/Correction
1	4135.0	0.0	0.2	50	3.1	5.0	1.9	Rehab	Mill & Inlay	-
2	2885.0	0.3	0.7	70	5.9	6.0	0.1	Rehab	Mill & Inlay	-
3	5735.0	2.1	2.8	50	1.9	3.8	1.9	Rehab	Mill & Inlay	CBC
4	11240.0	4.3	4.6	75	1	-	-	Rehab	-	-
5	5760.0	5.3	5.5	50	1.8	3.8	2.0	Rehab	Mill & Inlay	-
6	5535.0	7.4	7.7	45	1.8	3.8	2.0	Rehab	Mill & Inlay	-
7	11280.0	8.5	8.8	75	1.7	-	-	Full Recon.	-	-
8	11480.0	9.5	10.1	75	1.7	-	-	Full Recon.	-	-
9	11445.0	11.7	12.4	75	2.3	-	-	Full Recon.	-	-
10	7625.0	14.3	14.7	80	4.1	-	-	Rehab	-	-
11	11500.0	14.9	15.2	80	2.5	-	-	Rehab	-	-
12	3080.0	15.7	16.2	80	6.4	-	-	Rehab	-	-
13	2910.0	16.7	17.2	65	5.2	-	-	Rehab	-	-
14	5705.0	17.7	18.3	50	2.1	3.2	1.1	Rehab	Mill & Inlay	Bridge 8845/Recon.
15	4250.0	18.5	18.7	55	3.2	3.8	0.6	Rehab	Mill & Inlay	-
16	5755.0	20.6	21.0	50	2.4	3.0	0.6	Rehab	Mill & Inlay	Exit 20
17	2965.0	21.2	21.4	65	5.3	-	-	Rehab	-	-
18	3495.0	21.7	21.9	65	4.8	-	-	Rehab	-	-
19	2845.0	21.9	22.1	70	5.7	-	-	Rehab	-	-
20	3875.0	22.2	22.5	65	4.4	-	-	Rehab	-	-
21	5745.0	23.1	23.2	55	2.6	3.0	0.4	Rehab	Mill & Inlay	Exit 22 WB Off
22	5640.0	23.5	23.8	55	2.4	3.2	0.8	Rehab	Mill & Inlay	-
23	2880.0	25.3	25.7	75	6	-	-	Rehab	-	-
24	1885.0	26.0	26.4	65	6.9	-	-	Full Recon.	-	-
25	5830.0	26.9	27.3	60	2.9	3.8	0.9	Rehab	Mill & Inlay	-
26	5880.0	29.9	30.2	50	1.9	3.8	1.9	Full Recon.	Mill & Inlay	-
27	13320.0	33.2	33.4	80	1.2	-	-	Rehab	-	-
28	10820.0	36.4	36.7	75	2.3	-	-	Rehab	-	-
29	5740.0	40.3	40.8	80	4.5	-	-	Rehab	-	-
30	5670.0	41.6	41.9	75	3.9	-	-	Rehab	-	-
31	21365.0	43.0	43.2	80	3.4	-	-	Rehab	-	-
32	5655.0	47.0	47.1	65	3.2	3.8	0.6	Rehab	Mill & Inlay	-
33	6890.0	47.2	47.3	75	3.3	-	-	Rehab	-	-
34	11395.0	50.2	50.7	75	1.4	-	-	Full Recon.	-	-
35	5545.0	55.2	55.4	80	4.5	-	-	Rehab	-	-
36	10635.0	56.7	56.9	75	2.2	-	-	Full Recon.	-	-
37	5980.0	58.6	58.9	80	4.1	-	-	Rehab	-	-
38	11845.3	59.5	59.9	80	2.6	-	-	Rehab	-	-
39	5715.0	62.3	62.6	80	4.3	-	-	Full Recon.	-	-
40	5770.3	65.7	66.4	55	2.7	3.8	1.1	Full Recon.	Mill & Inlay	-
41	4665.0	68.3	68.5	55	2.9	4.4	1.5	Rehab	Mill & Inlay	-
42	25629.7	69.3	69.5	80	1.5	-	-	Rehab	-	-
43	5787.8	70.9	71.2	50	2.3	3.8	1.5	Rehab	Mill & Inlay	-
44	11499.6	71.8	72.5	75	1.3	-	-	Rehab	-	-
45	25862.8	73.3	73.6	80	1.8	-	-	Rehab	-	-
46	3292.2	78.8	79.2	65	4.9	5.6	0.7	Full Recon.	Mill & Inlay	Exit 79, Bridge 7315/Recon.
47	4352.8	79.8	80.6	65	3.9	4.8	0.9	Full Recon.	Mill & Inlay	Bridge 7318/Recon.
48	18565.0	82.0	82.1	80	0.4	-	-	Full Recon.	-	-
49	5710.0	83.2	83.7	70	3.5	3.8	0.3	Full Recon.	Mill & Inlay	-
50	5854.8	84.3	84.6	60	2.9	3.8	0.9	Full Recon.	Mill & Inlay	-
51	11441.5	89.2	89.4	75	2.2	-	-	Rehab	-	-
52	5692.4	90.2	90.7	45	1.9	3.8	1.9	Rehab	Mill & Inlay	-
53	5560.3	91.8	92.0	45	1	3.8	2.8	Rehab	Full Recon.	CBC
54	10408.1	92.5	92.9	70	1.7	2.2	0.5	Full Recon.	Mill & Inlay	CBC
55	4450.0	93.7	94.4	60	3.7	4.6	0.9	Full Recon.	Mill & Inlay	CBC
56	5830.6	94.9	95.3	55	2.6	3.8	1.2	Full Recon.	Mill & Inlay	-
57	11500.0	96.8	97.4	75	1	-	-	Rehab	-	-
58	4385.0	103.1	104.1	40	2	4.6	2.6	Rehab	Full Recon.	-
59	5645.0	104.5	105.1	50	2.3	3.8	1.5	Rehab	Mill & Inlay	Exit 104

I-40 Horizontal Curve Analysis - Westbound

WB Horizontal Curve No.	Radius (ft)	MP Begin	MP End	Design Speed* (mph)	Superelevation (SE %)	Corrected SE (%)	SE Difference (%)	Pvmt. Rec.	SE/Curve Correction	Conflicts/Correction
60	11450.0	106.6	107.2	75	1.3	-		Full Recon.	-	-
61	78770.0	108.4	108.6	80	1.9	-		Full Recon.	-	-
62	11475.0	109.0	109.7	75	2.2	-		Rehab	-	-
63	5700.0	112.3	113.0	75	3.9	-		Rehab	-	-
64	2900.0	114.2	114.7	75	6.1	-		Rehab	-	-
65	2715.0	115.6	116.0	75	6.1	-		Rehab	-	-
66	5735.0	117.1	117.3	70	3.4	3.8	0.4	Full Recon.	Mill & Inlay	-
67	5695.0	119.1	119.9	45	1.8	3.8	2.0	Full Recon.	Mill & Inlay	Bridge 6122 (Over I-40)
68	11725.0	123.0	123.4	80	3	-		Full Recon.	-	-
69	5695.0	128.7	129.3	75	4	-		Full Recon.	-	-
70	6880.0	137.2	137.4	55	1.6	3.2	1.6	Full Recon.	Mill & Inlay	-
71	5440.0	145.1	145.2	60	3	4.0	1.0	Rehab	Mill & Inlay	-
72	5680.0	148.9	149.3	80	4.4	-		Rehab	-	-

*Based on guidelines in the 2018 AASHTO Green Book , Emax = 6% superelevation table. Design speed can be assessed using other methods.

I-40 Eastbound Vertical Curve Analysis

Legend:		Does Not Meet Posted Speed*	Meets Posted Speed*						Meets 80 MPH Design Speed*
#	Length	Start Station	Start MP	End Station	End MP	Curve Type	K Value Crest	K Value Sag	
1	850	20017+17	0.31	20025+67	0.47	Sag		317	
2	678	20031+09	0.57	20037+87	0.70	Crest	263		
3	307	20039+80	0.74	20042+87	0.80	Crest	120		
4	607	20048+32	0.90	20054+39	1.02	Sag		175	
5	1716	20058+96	1.10	20076+12	1.43	Crest	3816		
6	998	20134+83	2.54	20144+81	2.73	Sag		3374	
7	1013	20164+40	3.10	20174+53	3.29	Crest	4708		
8	984	20175+07	3.30	20184+91	3.49	Sag		1202	
9	1863	20191+86	3.62	20210+49	3.97	Crest	2646		
10	560	20233+25	4.41	20238+85	4.51	Sag		1527	
11	773	20265+09	5.01	20272+82	5.16	Sag		267	
12	1408	20286+27	5.41	20300+35	5.68	Crest	271		
13	1109	20319+41	6.04	20330+50	6.25	Sag		547	
14	620	20343+09	6.49	20349+30	6.61	Sag		775	
15	1042	20373+80	7.07	20384+22	7.27	Crest	836		
16	977	20399+16	7.55	20408+93	7.74	Sag		1358	
17	425	20430+12	8.14	20434+37	8.22	Sag		1214	
18	1270	20439+95	8.32	20452+66	8.56	Crest	2906		
19	200	20483+80	9.16	20485+80	9.19	Sag		273	
20	1396	20505+54	9.57	20519+50	9.83	Crest	988		
21	621	20567+67	10.74	20573+88	10.86	Sag		1452	
22	838	20601+40	11.38	20609+78	11.54	Sag		3472	
23	290	20657+81	12.45	20660+71	12.51	Sag		232	
24	200	20663+35	12.56	20665+35	12.60	Crest	326		
25	1088	20675+68	12.79	20686+56	13.00	Crest	510		
26	849	20702+69	13.30	20711+18	13.46	Sag		849	
27	392	20754+46	14.29	20758+38	14.36	Sag		389	
28	996	20784+30	14.85	20794+26	15.04	Crest	945		
29	1203	20802+26	15.19	20814+29	15.42	Crest	982		
30	1076	20816+57	15.46	20827+34	15.67	Sag		1594	
31	921	20832+66	15.77	20841+87	15.94	Sag		461	
32	713	20849+49	16.09	20856+62	16.22	Sag		1787	
33	200	20861+26	16.31	20863+26	16.35	Crest	345		
34	1092	20868+99	16.46	20879+91	16.66	Crest	424		
35	467	20882+52	16.71	20887+19	16.80	Crest	194		
36	1013	20887+38	16.80	20897+50	17.00	Sag		258	
37	542	20918+94	17.40	20924+36	17.51	Crest	271		
38	248	20924+39	17.51	20926+86	17.55	Sag		373	

I-40 Eastbound Vertical Curve Analysis

Legend:		Does Not Meet Posted Speed*				Meets Posted Speed*			Meets 80 MPH Design Speed*
#	Length	Start Station	Start MP	End Station	End MP	Curve Type	K Value Crest	K Value Sag	
39	415	20930+96	17.63	20935+11	17.71	Sag		250	
40	848	20935+92	17.72	20944+41	17.89	Crest	668		
41	200	20948+83	17.97	20950+83	18.01	Sag		279	
42	759	20971+55	18.40	20979+14	18.54	Sag		229	
43	2403	20979+16	18.54	21003+19	19.00	Crest	378		
44	302	21003+40	19.00	21006+42	19.06	Sag		212	
45	200	21008+54	19.10	21010+54	19.14	Sag		66	
46	150	21010+56	19.14	21012+06	19.17	Crest	111		
47	640	21021+77	19.35	21028+17	19.47	Sag		365	
48	1063	21030+50	19.52	21041+13	19.72	Crest	301		
49	890	21042+56	19.75	21051+45	19.91	Sag		429	
50	468	21053+75	19.96	21058+43	20.05	Crest	934		
51	873	21064+38	20.16	21073+11	20.32	Sag		1020	
52	529	21074+62	20.35	21079+91	20.45	Crest	1027		
53	687	21102+64	20.88	21109+51	21.01	Sag		381	
54	167	21121+09	21.23	21122+76	21.27	Crest	83		
55	558	21128+66	21.38	21134+24	21.48	Crest	1335		
56	853	21171+71	22.19	21180+24	22.36	Sag		1028	
57	200	21190+70	22.55	21192+70	22.59	Crest	1247		
58	637	21204+48	22.81	21210+86	22.94	Crest	638		
59	917	21213+05	22.98	21222+21	23.15	Sag		514	
60	1011	21227+80	23.26	21237+91	23.45	Crest	1333		
61	675	21244+56	23.57	21251+31	23.70	Crest	647		
62	421	21264+14	23.95	21268+35	24.03	Sag		408	
63	1223	21274+99	24.15	21287+22	24.38	Sag		487	
64	2214	21295+31	24.54	21317+45	24.96	Crest	341		
65	1075	21318+51	24.98	21329+26	25.18	Sag		337	
66	881	21363+13	25.82	21371+94	25.99	Crest	252		
67	816	21373+76	26.02	21381+93	26.18	Sag		262	
68	200	21389+62	26.32	21391+62	26.36	Crest	415		
69	200	21391+70	26.36	21393+70	26.40	Sag		446	
70	877	21405+06	26.62	21413+82	26.78	Sag		491	
71	729	21414+61	26.80	21421+90	26.94	Crest	437		
72	938	21439+80	27.27	21449+19	27.45	Sag		3222	
73	783	21452+76	27.52	21460+59	27.67	Crest	2579		
74	542	21480+27	28.04	21485+69	28.14	Sag		477	
75	726	21490+07	28.23	21497+34	28.37	Crest	219		
76	751	21501+21	28.44	21508+72	28.58	Sag		296	

I-40 Eastbound Vertical Curve Analysis

Legend:		Does Not Meet Posted Speed*				Meets Posted Speed*			Meets 80 MPH Design Speed*
#	Length	Start Station	Start MP	End Station	End MP	Curve Type	K Value Crest	K Value Sag	
77	595	21529+30	28.97	21535+25	29.08	Sag		873	
78	850	21554+90	29.46	21563+41	29.62	Crest	326		
79	609	21571+61	29.77	21577+70	29.89	Sag		486	
80	928	21586+97	30.06	21596+25	30.24	Sag		322	
81	1372	21599+47	30.30	21613+18	30.56	Crest	279		
82	1063	21615+58	30.61	21626+21	30.81	Sag		276	
83	902	21632+37	30.92	21641+38	31.10	Crest	336		
84	817	21641+81	31.10	21649+97	31.26	Sag		696	
85	2050	21664+98	31.54	21685+49	31.93	Crest	7749		
86	1557	21686+36	31.95	21701+93	32.24	Sag		1759	
87	1229	21718+69	32.56	21730+98	32.79	Crest	1659		
88	655	21743+06	33.02	21749+61	33.15	Crest	1017		
89	861	21751+56	33.18	21760+17	33.35	Sag		1010	
90	200	21766+70	33.47	21768+70	33.51	Sag		501	
91	269	21773+49	33.60	21776+18	33.65	Sag		243	
92	1268	21776+45	33.66	21789+13	33.90	Crest	1431		
93	809	21790+03	33.91	21798+13	34.07	Crest	746		
94	246	21801+09	34.12	21803+55	34.17	Crest	385		
95	924	21809+21	34.28	21818+45	34.45	Sag		1579	
96	532	21818+95	34.46	21824+27	34.56	Sag		1248	
97	200	21836+83	34.80	21838+83	34.84	Sag		698	
98	200	21840+32	34.87	21842+32	34.90	Crest	1884		
99	868	21882+19	35.66	21890+87	35.82	Sag		3208	
100	387	21897+63	35.95	21901+49	36.03	Sag		661	
101	848	21920+56	36.39	21929+04	36.55	Crest	579		
102	1314	21959+56	37.13	21972+70	37.38	Sag		1107	
103	1062	21973+04	37.38	21983+66	37.58	Crest	510		
104	975	21984+44	37.60	21994+18	37.78	Sag		274	
105	773	22005+71	38.00	22013+44	38.15	Crest	474		
106	200	22015+05	38.18	22017+05	38.22	Crest	766		
107	539	22033+12	38.52	22038+51	38.62	Crest	739		
108	200	22042+64	38.70	22044+64	38.74	Crest	518		
109	200	22053+66	38.91	22055+66	38.95	Crest	1300		
110	907	22066+33	39.15	22075+40	39.32	Sag		1112	
111	567	22085+59	39.51	22091+26	39.62	Sag		497	
112	563	22095+01	39.69	22100+63	39.80	Crest	539		
113	325	22100+67	39.80	22103+92	39.86	Sag		597	
114	696	22109+39	39.97	22116+35	40.10	Sag		318	

I-40 Eastbound Vertical Curve Analysis

Legend:		Does Not Meet Posted Speed*	Meets Posted Speed*			Meets 80 MPH Design Speed*		
#	Length	Start Station	Start MP	End Station	End MP	Curve Type	K Value Crest	K Value Sag
115	1034	22141+62	40.58	22151+96	40.77	Crest	365	
116	1005	22156+78	40.86	22166+82	41.05	Sag		238
117	1993	22184+46	41.39	22204+39	41.77	Crest	286	
118	675	22206+02	41.80	22212+77	41.93	Sag		388
119	715	22222+58	42.11	22229+74	42.25	Crest	433	
120	1187	22240+56	42.45	22252+43	42.68	Sag		235
121	1600	22266+39	42.94	22282+38	43.24	Crest	275	
122	1246	22296+14	43.51	22308+60	43.74	Sag		259
123	537	22313+14	43.83	22318+50	43.93	Crest	402	
124	979	22334+34	44.23	22344+13	44.42	Crest	351	
125	778	22345+09	44.43	22352+87	44.58	Sag		217
126	1330	22370+90	44.92	22384+20	45.17	Crest	694	
127	1290	22384+21	45.17	22397+10	45.42	Sag		988
128	368	22399+56	45.47	22403+25	45.54	Crest	691	
129	366	22406+54	45.60	22410+20	45.67	Crest	319	
130	1387	22414+96	45.76	22428+83	46.02	Sag		452
131	213	22428+85	46.02	22430+98	46.06	Crest	209	
132	265	22437+73	46.19	22440+38	46.24	Crest	392	
133	998	22441+15	46.25	22451+13	46.44	Sag		1773
134	1141	22453+44	46.49	22464+84	46.70	Crest	1815	
135	1215	22477+96	46.95	22490+11	47.18	Sag		805
136	308	22524+64	47.84	22527+72	47.89	Crest	403	
137	442	22528+44	47.91	22532+86	47.99	Sag		433
138	616	22533+32	48.00	22539+49	48.12	Crest	371	
139	605	22540+42	48.14	22546+47	48.25	Crest	917	
140	1438	22565+68	48.61	22580+07	48.89	Crest	2047	
141	510	22581+86	48.92	22586+96	49.02	Crest	1132	
142	200	22588+65	49.05	22590+65	49.09	Sag		843
143	1603	22604+19	49.34	22620+22	49.65	Sag		988
144	282	22636+03	49.95	22638+85	50.00	Crest	406	
145	365	22659+18	50.39	22662+83	50.46	Sag		432
146	492	22697+65	51.12	22702+57	51.21	Crest	416	
147	1590	22707+17	51.30	22723+07	51.60	Sag		1242
148	210	22754+56	52.19	22756+66	52.23	Sag		265
149	161	22756+70	52.23	22758+31	52.27	Crest	389	
150	690	22762+97	52.35	22769+87	52.48	Crest	1188	
151	578	22794+98	52.96	22800+76	53.07	Sag		350
152	1492	22804+07	53.13	22818+99	53.42	Crest	398	

I-40 Eastbound Vertical Curve Analysis

Legend:		Does Not Meet Posted Speed*				Meets Posted Speed*			Meets 80 MPH Design Speed*
#	Length	Start Station	Start MP	End Station	End MP	Curve Type	K Value Crest	K Value Sag	
153	584	22822+88	53.49	22828+73	53.60	Sag		245	
154	960	22848+07	53.97	22857+67	54.15	Sag		973	
155	843	22884+68	54.66	22893+11	54.82	Crest	786		
156	200	22940+16	55.71	22942+16	55.75	Sag		886	
157	590	22954+56	55.98	22960+47	56.10	Crest	539		
158	567	22966+58	56.21	22972+25	56.32	Sag		461	
159	703	22990+04	56.66	22997+06	56.79	Crest	678		
160	563	23005+02	56.94	23010+65	57.05	Sag		777	
161	448	23031+13	57.44	23035+61	57.52	Sag		642	
162	678	23047+72	57.75	23054+49	57.88	Crest	560		
163	657	23072+67	58.22	23079+24	58.35	Sag		887	
164	328	23091+64	58.58	23094+92	58.65	Sag		580	
165	379	23094+95	58.65	23098+74	58.72	Crest	488		
166	641	23101+93	58.78	23108+34	58.90	Sag		681	
167	1242	23117+39	59.07	23129+81	59.31	Crest	740		
168	707	23136+03	59.42	23143+10	59.56	Sag		648	
169	239	23166+60	60.00	23168+99	60.05	Crest	393		
170	128	23169+21	60.05	23170+49	60.08	Sag		239	
171	920	23179+63	60.25	23188+83	60.43	Crest	415		
172	567	23191+38	60.47	23197+05	60.58	Sag		508	
173	718	23203+47	60.70	23210+65	60.84	Sag		345	
174	1140	23210+96	60.84	23222+36	61.06	Crest	577		
175	491	23224+22	61.10	23229+13	61.19	Crest	430		
176	598	23231+72	61.24	23237+70	61.35	Sag		284	
177	402	23270+18	61.97	23274+20	62.04	Sag		382	
178	991	23275+80	62.07	23285+72	62.26	Crest	511		
179	857	23286+96	62.29	23295+53	62.45	Sag		919	
180	793	23295+83	62.45	23303+76	62.60	Crest	592		
181	607	23306+64	62.66	23312+71	62.77	Sag		321	
182	200	23316+02	62.84	23318+02	62.87	Crest	437		
183	445	23320+00	62.91	23324+45	63.00	Crest	385		
184	828	23328+96	63.08	23337+23	63.24	Sag		517	
185	571	23353+45	63.55	23359+16	63.65	Crest	463		
186	586	23365+94	63.78	23371+80	63.89	Sag		735	
187	479	23372+17	63.90	23376+96	63.99	Sag		925	
188	200	23390+45	64.25	23392+45	64.28	Crest	552		
189	214	23393+70	64.31	23395+84	64.35	Crest	221		
190	692	23424+75	64.90	23431+67	65.03	Sag		915	

I-40 Eastbound Vertical Curve Analysis

Legend:		Does Not Meet Posted Speed*				Meets Posted Speed*			Meets 80 MPH Design Speed*
#	Length	Start Station	Start MP	End Station	End MP	Curve Type	K Value Crest	K Value Sag	
191	1053	23442+33	65.23	23452+85	65.43	Crest	612		
192	756	23460+24	65.57	23467+80	65.71	Crest	652		
193	1456	23485+42	66.05	23499+99	66.32	Sag		490	
194	484	23509+63	66.51	23514+47	66.60	Crest	1447		
195	1614	23571+96	67.69	23588+10	67.99	Sag		2380	
196	1858	23610+42	68.42	23629+00	68.77	Crest	1487		
197	579	23640+19	68.98	23645+98	69.09	Sag		210	
198	1600	23649+09	69.15	23665+10	69.45	Crest	360		
199	1040	23676+82	69.67	23687+22	69.87	Sag		396	
200	1574	23738+26	70.84	23754+00	71.14	Sag		6157	
201	838	23754+73	71.15	23763+10	71.31	Crest	4407		
202	632	23769+45	71.43	23775+77	71.55	Crest	1230		
203	709	23777+82	71.59	23784+91	71.72	Sag		684	
204	406	23787+93	71.78	23791+99	71.86	Crest	889		
205	200	23805+49	72.11	23807+49	72.15	Crest	464		
206	149	23808+96	72.18	23810+46	72.21	Sag		208	
207	841	23843+31	72.83	23851+71	72.99	Crest	4904		
208	743	23876+00	73.45	23883+43	73.59	Sag		548	
209	221	23887+18	73.66	23889+39	73.70	Crest	387		
210	465	23892+29	73.76	23896+94	73.85	Crest	314		
211	744	23905+02	74.00	23912+46	74.14	Sag		437	
212	809	23925+19	74.38	23933+28	74.54	Crest	1573		
213	945	23942+58	74.71	23952+04	74.89	Sag		369	
214	1189	23971+61	75.26	23983+50	75.49	Crest	377		
215	382	24019+11	76.16	24022+93	76.23	Crest	679		
216	1230	24023+03	76.24	24035+33	76.47	Crest	597		
217	1664	24066+09	77.05	24082+73	77.37	Sag		593	
218	961	24138+47	78.42	24148+08	78.61	Sag		2476	
219	399	24150+98	78.66	24154+97	78.74	Crest	1015		
220	681	24159+85	78.83	24166+66	78.96	Sag		289	
221	1395	24167+09	78.97	24181+03	79.23	Crest	327		
222	903	24183+91	79.29	24192+94	79.46	Sag		491	
223	948	24196+21	79.52	24205+69	79.70	Sag		1507	
224	667	24207+41	79.73	24214+08	79.86	Sag		327	
225	1484	24215+05	79.88	24229+89	80.16	Crest	282		
226	854	24230+70	80.17	24239+24	80.33	Sag		320	
227	1087	24246+31	80.47	24257+18	80.67	Sag		2574	
228	859	24259+83	80.72	24268+43	80.89	Crest	2050		

I-40 Eastbound Vertical Curve Analysis

Legend:		Does Not Meet Posted Speed*	Meets Posted Speed*			Meets 80 MPH Design Speed*		
#	Length	Start Station	Start MP	End Station	End MP	Curve Type	K Value Crest	K Value Sag
229	930	24294+37	81.38	24303+67	81.56	Crest	1396	
230	817	24310+44	81.68	24318+61	81.84	Sag		1330
231	200	24321+34	81.89	24323+34	81.93	Sag		355
232	204	24323+53	81.93	24325+57	81.97	Crest	386	
233	162	24327+82	82.01	24329+44	82.04	Crest	388	
234	307	24329+44	82.04	24332+52	82.10	Sag		558
235	621	24345+60	82.35	24351+82	82.47	Crest	1750	
236	542	24376+46	82.93	24381+88	83.04	Sag		774
237	295	24397+45	83.33	24400+40	83.39	Crest	403	
238	913	24468+82	84.69	24477+95	84.86	Crest	1222	
239	947	24490+28	85.09	24499+75	85.27	Sag		1078
240	976	24515+85	85.58	24525+61	85.76	Sag		3343
241	757	24530+32	85.85	24537+89	85.99	Crest	1575	
242	541	24546+77	86.16	24552+18	86.27	Sag		1164
243	497	24574+16	86.68	24579+13	86.78	Crest	3107	
244	337	24590+37	86.99	24593+73	87.05	Crest	1173	
245	1088	24606+35	87.29	24617+23	87.50	Sag		2209
246	1752	24630+42	87.75	24647+94	88.08	Crest	2007	
247	1476	24658+31	88.28	24673+07	88.56	Sag		4528
248	849	24709+88	89.25	24718+37	89.42	Crest	797	
249	585	24731+45	89.66	24737+30	89.77	Sag		442
250	599	24745+82	89.94	24751+80	90.05	Crest	838	
251	703	24756+58	90.14	24763+61	90.27	Crest	989	
252	895	24790+51	90.78	24799+46	90.95	Sag		576
253	949	24813+86	91.23	24823+35	91.41	Crest	3714	
254	770	24883+72	92.55	24891+42	92.70	Crest	1551	
255	776	24898+54	92.83	24906+30	92.98	Crest	1851	
256	364	24922+50	93.28	24926+14	93.35	Sag		859
257	429	24952+95	93.86	24957+24	93.94	Crest	452	
258	346	24957+29	93.94	24960+75	94.01	Sag		345
259	449	24963+58	94.06	24968+07	94.15	Crest	915	
260	480	24984+58	94.46	24989+39	94.55	Sag		945
261	364	24995+20	94.66	24998+84	94.73	Sag		232
262	368	24999+20	94.74	25002+88	94.81	Crest	329	
263	200	25016+66	95.07	25018+66	95.11	Sag		601
264	356	25045+11	95.61	25048+67	95.68	Sag		440
265	358	25071+78	96.11	25075+36	96.18	Crest	805	
266	330	25087+53	96.41	25090+83	96.47	Crest	607	

I-40 Eastbound Vertical Curve Analysis

Legend:		Does Not Meet Posted Speed*				Meets Posted Speed*			Meets 80 MPH Design Speed*
#	Length	Start Station	Start MP	End Station	End MP	Curve Type	K Value Crest	K Value Sag	
267	200	25091+87	96.49	25093+87	96.53	Sag		219	
268	200	25095+94	96.57	25097+94	96.61	Crest	709		
269	540	25117+96	96.99	25123+36	97.09	Crest	352		
270	517	25124+73	97.12	25129+90	97.22	Crest	314		
271	643	25138+93	97.39	25145+36	97.51	Sag		224	
272	378	25145+98	97.52	25149+76	97.59	Sag		140	
273	1295	25158+98	97.77	25171+93	98.01	Crest	312		
274	843	25178+25	98.13	25186+67	98.29	Crest	603		
275	946	25190+87	98.37	25200+33	98.55	Sag		509	
276	1582	25201+92	98.58	25217+75	98.88	Sag		1359	
277	1220	25221+65	98.95	25233+85	99.19	Crest	1963		
278	686	25243+02	99.36	25249+88	99.49	Crest	414		
279	991	25252+81	99.54	25262+72	99.73	Sag		322	
280	995	25295+33	100.35	25305+28	100.54	Crest	538		
281	622	25311+34	100.65	25317+56	100.77	Sag		1305	
282	150	25319+42	100.81	25320+93	100.84	Sag		377	
283	681	25321+44	100.85	25328+24	100.97	Sag		572	
284	1000	25330+79	101.02	25340+79	101.21	Crest	648		
285	810	25354+12	101.47	25362+22	101.62	Sag		686	
286	945	25363+92	101.65	25373+37	101.83	Crest	359		
287	742	25379+43	101.94	25386+84	102.09	Sag		334	
288	1007	25392+49	102.19	25402+56	102.38	Sag		487	
289	866	25407+75	102.48	25416+41	102.65	Crest	776		
290	925	25421+68	102.75	25430+92	102.92	Sag		578	
291	1061	25435+90	103.02	25446+51	103.22	Crest	467		
292	1241	25457+07	103.42	25469+48	103.65	Crest	290		
293	936	25505+80	104.34	25515+16	104.52	Sag		326	
294	921	25528+59	104.77	25537+80	104.95	Sag		496	
295	834	25544+67	105.08	25553+01	105.23	Crest	314		
296	777	25572+68	105.61	25580+45	105.75	Sag		335	
297	1089	25581+46	105.77	25592+35	105.98	Crest	312		
298	1201	25597+88	106.09	25609+89	106.31	Sag		250	
299	1265	25646+40	107.00	25659+04	107.24	Crest	295		
300	443	25696+21	107.95	25700+64	108.03	Sag		291	
301	200	25721+30	108.42	25723+30	108.46	Sag		428	
302	1616	25728+64	108.56	25744+80	108.87	Sag		621	
303	1420	25758+73	109.13	25772+93	109.40	Crest	388		
304	637	25773+10	109.41	25779+46	109.53	Sag		1287	

I-40 Eastbound Vertical Curve Analysis

Legend:		Does Not Meet Posted Speed*				Meets Posted Speed*			Meets 80 MPH Design Speed*
#	Length	Start Station	Start MP	End Station	End MP	Curve Type	K Value Crest	K Value Sag	
305	624	25785+18	109.64	25791+42	109.75	Crest	1015		
306	1419	25792+42	109.77	25806+61	110.04	Sag		882	
307	441	25817+57	110.25	25821+97	110.33	Sag		794	
308	200	25822+45	110.34	25824+45	110.38	Sag		421	
309	660	25835+43	110.59	25842+03	110.71	Crest	623		
310	590	25863+60	111.12	25869+50	111.23	Sag		393	
311	926	25877+02	111.38	25886+28	111.55	Crest	410		
312	683	25894+47	111.71	25901+30	111.84	Sag		616	
313	1122	25909+96	112.00	25921+18	112.21	Crest	620		
314	952	25926+86	112.32	25936+39	112.50	Sag		349	
315	971	25942+53	112.62	25952+24	112.80	Crest	265		
316	836	25961+03	112.97	25969+38	113.13	Sag		215	
317	200	26013+20	113.96	26015+20	114.00	Crest	478		
318	200	26021+45	114.11	26023+45	114.15	Sag		446	
319	495	26027+60	114.23	26032+55	114.32	Sag		365	
320	2380	26035+70	114.38	26059+50	114.83	Crest	362		
321	386	26062+92	114.90	26066+78	114.97	Sag		268	
322	565	26072+12	115.07	26077+78	115.18	Crest	394		
323	1482	26099+66	115.60	26114+48	115.88	Sag		206	
324	1413	26114+78	115.88	26128+91	116.15	Crest	314		
325	97	26130+99	116.19	26131+96	116.21	Crest	122		
326	744	26135+08	116.27	26142+52	116.41	Sag		303	
327	912	26146+50	116.48	26155+62	116.66	Crest	1840		
328	783	26157+31	116.69	26165+14	116.84	Sag		620	
329	1010	26171+20	116.95	26181+30	117.14	Crest	355		
330	1407	26198+55	117.47	26212+62	117.74	Sag		824	
331	1189	26216+34	117.81	26228+23	118.03	Crest	1017		
332	1023	26253+78	118.52	26264+01	118.71	Sag		524	
333	476	26290+13	119.21	26294+89	119.30	Crest	315		
334	313	26299+11	119.38	26302+25	119.44	Crest	183		
335	956	26314+21	119.66	26323+77	119.84	Sag		557	
336	848	26348+93	120.32	26357+42	120.48	Sag		1781	
337	1467	26377+96	120.87	26392+63	121.15	Crest	3560		
338	1075	26409+52	121.47	26420+26	121.67	Sag		329	
339	511	26421+62	121.70	26426+72	121.79	Crest	220		
340	952	26428+10	121.82	26437+62	122.00	Crest	256		
341	1132	26438+67	122.02	26449+99	122.24	Sag		383	
342	1002	26468+99	122.60	26479+00	122.79	Sag		1086	

I-40 Eastbound Vertical Curve Analysis

Legend:		Does Not Meet Posted Speed*				Meets Posted Speed*			Meets 80 MPH Design Speed*
#	Length	Start Station	Start MP	End Station	End MP	Curve Type	K Value Crest	K Value Sag	
343	746	26490+37	123.00	26497+84	123.14	Crest	963		
344	200	26534+20	123.83	26536+20	123.87	Crest	992		
345	1128	26573+21	124.57	26584+49	124.79	Crest	446		
346	947	26588+95	124.87	26598+41	125.05	Sag		769	
347	789	26603+73	125.15	26611+62	125.30	Crest	1198		
348	924	26614+73	125.36	26623+98	125.53	Sag		498	
349	200	26649+04	126.01	26651+04	126.05	Crest	738		
350	1252	26652+00	126.06	26664+52	126.30	Sag		934	
351	1025	26666+19	126.33	26676+45	126.53	Crest	1287		
352	982	26705+83	127.08	26715+65	127.27	Crest	984		
353	494	26725+26	127.45	26730+21	127.55	Sag		566	
354	940	26741+91	127.77	26751+30	127.95	Sag		437	
355	1214	26755+16	128.02	26767+30	128.25	Crest	415		
356	1507	26788+62	128.65	26803+69	128.94	Sag		945	
357	1387	26840+24	129.63	26854+11	129.90	Crest	2151		
358	702	26862+45	130.05	26869+47	130.19	Sag		503	
359	1195	26872+78	130.25	26884+73	130.48	Crest	272		
360	1202	26893+74	130.65	26905+77	130.87	Sag		318	
361	314	26926+42	131.27	26929+56	131.33	Sag		539	
362	200	26930+25	131.34	26932+25	131.38	Crest	495		
363	747	26941+10	131.54	26948+57	131.69	Sag		657	
364	635	26976+53	132.22	26982+88	132.34	Crest	257		
365	881	26984+46	132.37	26993+27	132.53	Crest	398		
366	922	26995+70	132.58	27004+92	132.75	Sag		372	
367	2020	27024+67	133.13	27044+86	133.51	Crest	768		
368	567	27067+31	133.94	27072+98	134.04	Sag		637	
369	200	27090+51	134.38	27092+51	134.41	Sag		414	
370	673	27094+43	134.45	27101+16	134.58	Sag		550	
371	856	27111+90	134.78	27120+47	134.94	Sag		335	
372	1911	27133+58	135.19	27152+69	135.55	Crest	357		
373	773	27178+72	136.05	27186+45	136.19	Sag		616	
374	1839	27188+74	136.24	27207+13	136.59	Crest	1410		
375	1038	27210+25	136.65	27220+63	136.84	Sag		340	
376	911	27229+37	137.01	27238+48	137.18	Sag		350	
377	567	27257+74	137.55	27263+42	137.65	Crest	1185		
378	1857	27294+87	138.25	27313+44	138.60	Crest	322		
379	317	27329+37	138.90	27332+54	138.96	Sag		551	
380	990	27347+55	139.25	27357+45	139.44	Sag		527	

I-40 Eastbound Vertical Curve Analysis

Legend:		Does Not Meet Posted Speed*				Meets Posted Speed*			Meets 80 MPH Design Speed*
#	Length	Start Station	Start MP	End Station	End MP	Curve Type	K Value Crest	K Value Sag	
381	951	27384+00	139.94	27393+51	140.12	Sag		603	
382	874	27426+99	140.75	27435+73	140.92	Sag		779	
383	839	27451+98	141.23	27460+37	141.39	Sag		452	
384	841	27502+13	142.18	27510+54	142.34	Crest	437		
385	5073	27533+75	142.78	27584+48	143.74	Sag		1732	
386	1616	27640+26	144.80	27656+42	145.10	Crest	253		
387	357	27662+46	145.22	27666+02	145.28	Sag		567	
388	441	27676+89	145.49	27681+30	145.57	Crest	391		
389	899	27689+72	145.73	27698+70	145.90	Sag		1685	
390	904	27704+57	146.01	27713+61	146.19	Sag		773	
391	700	27733+33	146.56	27740+33	146.69	Crest	1719		
392	456	27743+42	146.75	27747+98	146.84	Sag		423	
393	390	27759+22	147.05	27763+12	147.12	Sag		235	
394	985	27766+30	147.18	27776+15	147.37	Crest	325		
395	822	27789+20	147.62	27797+42	147.77	Sag		836	
396	759	27816+42	148.13	27824+01	148.28	Crest	428		
397	878	27833+84	148.46	27842+62	148.63	Sag		466	
398	200	27875+49	149.25	27877+49	149.29	Crest	608		
399	290	27883+22	149.40	27886+12	149.46	Crest	387		
400	200	27888+09	149.49	27890+09	149.53	Sag		256	
401	1695	27899+80	149.71	27916+74	150.04	Crest	395		

* Based on Guidelines in the 2018 AASHTO Green Book

I-40 Westbound Vertical Curve Analysis

		Legend:							
		Does Not Meet Posted Speed*		Meets Posted Speed*		Meets 80 MPH Design Speed*			
#	Length	Start Station	Start MP	End Station	End MP	Curve Type	K Value Crest	K Value Sag	
1	1162	10024+25	0.28	10035+86	0.50	Sag		437	
2	621	10039+65	0.57	10045+87	0.69	Crest	207		
3	204	10050+42	0.78	10052+46	0.81	Crest	74		
4	556	10058+33	0.93	10063+89	1.03	Sag		163	
5	1881	10068+54	1.12	10087+35	1.48	Crest	4181		
6	175	10156+51	2.79	10158+26	2.82	Crest	386		
7	819	10181+50	3.26	10189+69	3.41	Sag		1675	
8	1000	10194+31	3.50	10204+31	3.69	Crest	3481		
9	788	10273+42	5.00	10281+30	5.15	Sag		283	
10	200	10286+92	5.26	10288+92	5.29	Crest	446		
11	1383	10294+87	5.41	10308+70	5.67	Crest	275		
12	1139	10325+83	5.99	10337+22	6.21	Sag		525	
13	1076	10350+30	6.46	10361+06	6.66	Sag		1305	
14	849	10383+64	7.09	10392+13	7.25	Crest	703		
15	1090	10407+60	7.54	10418+50	7.75	Sag		1734	
16	2280	10426+42	7.90	10449+21	8.33	Sag		5765	
17	666	10450+64	8.36	10457+29	8.49	Crest	1543		
18	595	10480+33	8.92	10486+27	9.03	Crest	769		
19	712	10486+96	9.05	10494+09	9.18	Sag		526	
20	1311	10515+82	9.59	10528+94	9.84	Crest	957		
21	272	10534+64	9.95	10537+36	10.00	Sag		232	
22	251	10537+66	10.01	10540+17	10.06	Crest	385		
23	1387	10574+10	10.70	10587+97	10.96	Sag		3286	
24	851	10652+82	12.19	10661+33	12.35	Sag		1476	
25	1081	10684+54	12.79	10695+35	13.00	Crest	511		
26	804	10711+84	13.31	10719+88	13.46	Sag		804	
27	1000	10729+11	13.64	10739+11	13.83	Sag		8044	
28	814	10762+56	14.27	10770+70	14.42	Sag		808	
29	250	10795+09	14.89	10797+59	14.93	Crest	459		
30	281	10799+44	14.97	10802+25	15.02	Crest	627		
31	1246	10809+33	15.16	10821+79	15.39	Crest	1005		
32	1039	10826+41	15.48	10836+80	15.68	Sag		1282	
33	703	10845+25	15.84	10852+27	15.97	Sag		336	
34	1623	10871+58	16.34	10887+81	16.64	Crest	554		
35	699	10889+49	16.68	10896+47	16.81	Crest	388		
36	818	10898+12	16.84	10906+30	16.99	Sag		254	
37	168	10915+72	17.17	10917+40	17.20	Crest	385		
38	373	10917+59	17.21	10921+33	17.28	Sag		893	

I-40 Westbound Vertical Curve Analysis

		Legend:							
		Does Not Meet Posted Speed*		Meets Posted Speed*		Meets 80 MPH Design Speed*			
#	Length	Start Station	Start MP	End Station	End MP	Curve Type	K Value Crest	K Value Sag	
39	703	10926+97	17.39	10934+00	17.52	Crest	385		
40	188	10934+15	17.52	10936+03	17.56	Sag		304	
41	524	10938+97	17.61	10944+21	17.71	Sag		273	
42	481	10946+57	17.76	10951+39	17.85	Crest	420		
43	213	10957+91	17.97	10960+03	18.01	Sag		305	
44	664	10980+31	18.40	10986+95	18.52	Sag		242	
45	687	10990+83	18.60	10997+70	18.73	Crest	281		
46	654	10999+00	18.75	11005+54	18.88	Crest	385		
47	247	11007+72	18.92	11010+19	18.96	Crest	173		
48	221	11012+90	19.01	11016+09	19.07	Sag		236	
49	153	11018+31	19.12	11019+84	19.15	Sag		48	
50	153	11019+86	19.15	11021+39	19.18	Crest	85		
51	781	11029+79	19.33	11037+60	19.48	Sag		415	
52	1121	11039+29	19.51	11050+51	19.73	Crest	306		
53	831	11051+61	19.75	11059+93	19.91	Sag		389	
54	840	11061+82	19.94	11070+23	20.10	Crest	1467		
55	1125	11071+27	20.12	11082+51	20.33	Sag		1246	
56	500	11084+74	20.38	11089+74	20.47	Crest	804		
57	161	11094+52	20.56	11096+13	20.59	Sag		235	
58	212	11096+79	20.60	11098+91	20.64	Crest	389		
59	827	11111+03	20.87	11119+30	21.03	Sag		472	
60	636	11127+83	21.19	11134+19	21.31	Crest	371		
61	99	11140+55	21.43	11141+54	21.45	Crest	315		
62	735	11159+34	21.79	11166+69	21.93	Crest	2564		
63	708	11179+72	22.18	11186+80	22.31	Sag		1004	
64	840	11212+86	22.80	11221+27	22.96	Crest	684		
65	626	11224+47	23.02	11230+72	23.14	Sag		486	
66	714	11238+60	23.29	11245+74	23.43	Crest	1131		
67	993	11252+32	23.55	11262+25	23.74	Crest	913		
68	500	11273+35	23.95	11278+35	24.04	Sag		458	
69	1154	11284+10	24.15	11295+64	24.37	Sag		456	
70	2247	11303+16	24.52	11325+63	24.94	Crest	348		
71	1393	11325+70	24.94	11339+63	25.21	Sag		348	
72	865	11372+90	25.84	11381+55	26.00	Crest	240		
73	830	11383+58	26.04	11391+88	26.20	Sag		253	
74	652	11415+15	26.64	11421+68	26.76	Sag		431	
75	604	11425+91	26.84	11431+95	26.96	Crest	385		
76	624	11489+41	28.04	11495+66	28.16	Sag		495	

I-40 Westbound Vertical Curve Analysis

		Legend:						
		Does Not Meet Posted Speed*		Meets Posted Speed*			Meets 80 MPH Design Speed*	
#	Length	Start Station	Start MP	End Station	End MP	Curve Type	K Value Crest	K Value Sag
77	935	11498+60	28.22	11507+95	28.40	Crest	271	
78	899	11509+71	28.43	11518+70	28.60	Sag		352
79	904	11537+63	28.96	11546+67	29.13	Sag		1300
80	909	11564+85	29.47	11573+94	29.65	Crest	342	
81	411	11581+90	29.80	11586+01	29.88	Sag		308
82	1015	11596+79	30.08	11606+95	30.27	Sag		334
83	1411	11608+35	30.30	11622+46	30.57	Crest	280	
84	1040	11625+52	30.62	11635+93	30.82	Sag		275
85	854	11641+74	30.93	11650+28	31.09	Crest	334	
86	788	11651+97	31.13	11659+85	31.27	Sag		784
87	718	11677+31	31.61	11684+49	31.74	Crest	4126	
88	969	11699+52	32.03	11709+21	32.21	Sag		1202
89	1015	11728+69	32.58	11738+84	32.77	Crest	1431	
90	590	11751+64	33.01	11757+54	33.13	Crest	1089	
91	635	11762+87	33.23	11769+22	33.35	Sag		959
92	1036	11775+00	33.46	11785+36	33.65	Sag		933
93	2177	11795+03	33.84	11816+80	34.25	Crest	931	
94	2339	11817+56	34.26	11840+95	34.71	Sag		1789
95	201	11856+86	35.01	11858+87	35.05	Crest	385	
96	486	11859+09	35.05	11863+95	35.14	Sag		388
97	397	11863+97	35.14	11867+94	35.22	Crest	595	
98	2328	11890+69	35.65	11913+97	36.09	Sag		2699
99	1170	11928+87	36.37	11940+57	36.59	Crest	751	
100	745	11971+48	37.18	11978+93	37.32	Sag		793
101	936	11982+48	37.39	11991+84	37.57	Crest	553	
102	1076	11994+25	37.61	12005+01	37.82	Sag		304
103	1218	12011+72	37.94	12023+90	38.17	Crest	585	
104	1366	12043+80	38.55	12057+46	38.81	Crest	1271	
105	1227	12076+42	39.17	12088+69	39.40	Sag		1440
106	750	12094+70	39.51	12102+20	39.66	Sag		556
107	409	12102+23	39.66	12106+32	39.74	Crest	514	
108	832	12118+05	39.96	12126+37	40.11	Sag		368
109	1092	12150+59	40.57	12161+50	40.78	Crest	392	
110	1000	12166+41	40.87	12176+41	41.06	Sag		240
111	1954	12193+93	41.40	12213+47	41.77	Crest	284	
112	697	12215+73	41.81	12222+70	41.94	Sag		411
113	677	12232+20	42.12	12238+97	42.25	Crest	386	
114	1298	12249+50	42.45	12262+48	42.69	Sag		248

I-40 Westbound Vertical Curve Analysis

Legend:								
Does Not Meet Posted Speed*			Meets Posted Speed*			Meets 80 MPH Design Speed*		
#	Length	Start Station	Start MP	End Station	End MP	Curve Type	K Value Crest	K Value Sag
115	1550	12276+34	42.96	12291+84	43.25	Crest	274	
116	1177	12305+34	43.51	12317+12	43.73	Sag		251
117	800	12321+57	43.81	12329+57	43.97	Crest	620	
118	907	12344+86	44.26	12353+93	44.43	Crest	322	
119	842	12355+01	44.45	12363+43	44.61	Sag		235
120	1045	12382+59	44.97	12393+04	45.17	Crest	553	
121	1125	12394+61	45.20	12405+86	45.41	Sag		898
122	1274	12409+70	45.48	12422+44	45.73	Crest	817	
123	1100	12425+55	45.78	12436+55	45.99	Sag		414
124	1200	12437+60	46.01	12449+60	46.24	Crest	1029	
125	250	12456+99	46.38	12459+49	46.43	Sag		508
126	906	12460+46	46.45	12469+52	46.62	Crest	1912	
127	815	12488+88	46.98	12497+02	47.14	Sag		534
128	702	12521+99	47.61	12529+01	47.75	Crest	1307	
129	324	12529+06	47.75	12532+29	47.81	Sag		416
130	388	12532+53	47.81	12536+42	47.89	Crest	400	
131	330	12538+67	47.93	12541+98	47.99	Sag		360
132	955	12542+51	48.00	12552+06	48.18	Crest	458	
133	1285	12577+90	48.67	12590+76	48.92	Crest	1373	
134	1688	12613+84	49.35	12630+73	49.67	Sag		969
135	200	12657+83	50.19	12659+83	50.22	Crest	469	
136	200	12670+78	50.43	12672+78	50.47	Sag		506
137	200	12674+58	50.50	12676+58	50.54	Sag		316
138	1853	12683+83	50.68	12702+36	51.03	Crest	7860	
139	479	12707+12	51.12	12711+91	51.21	Crest	385	
140	795	12717+90	51.32	12725+85	51.48	Sag		580
141	200	12778+95	52.48	12780+95	52.52	Crest	386	
142	573	12796+24	52.81	12801+97	52.92	Crest	1759	
143	522	12805+70	52.99	12810+92	53.09	Sag		268
144	1544	12813+50	53.14	12828+94	53.43	Crest	390	
145	316	12833+60	53.52	12836+76	53.58	Sag		130
146	384	12846+18	53.76	12850+01	53.83	Crest	408	
147	815	12856+08	53.94	12864+23	54.10	Sag		623
148	380	12879+90	54.39	12883+70	54.47	Sag		1186
149	969	12894+37	54.67	12904+07	54.85	Crest	794	
150	722	12904+84	54.87	12912+06	55.00	Sag		2461
151	2637	12937+20	55.48	12963+57	55.98	Sag		7569
152	569	12964+04	55.99	12969+72	56.10	Crest	483	

I-40 Westbound Vertical Curve Analysis

		Legend:							
		Does Not Meet Posted Speed*		Meets Posted Speed*		Meets 80 MPH Design Speed*			
#	Length	Start Station	Start MP	End Station	End MP	Curve Type	K Value Crest	K Value Sag	
153	687	12975+42	56.20	12982+30	56.34	Sag		525	
154	844	12998+80	56.65	13007+24	56.81	Crest	751		
155	604	13014+41	56.94	13020+45	57.06	Sag		808	
156	665	13039+68	57.42	13046+33	57.55	Sag		912	
157	863	13056+60	57.74	13065+23	57.91	Crest	681		
158	676	13082+05	58.23	13088+81	58.35	Sag		771	
159	656	13114+02	58.83	13120+57	58.96	Sag		998	
160	1001	13127+44	59.09	13137+44	59.27	Crest	642		
161	631	13148+07	59.48	13154+38	59.60	Sag		676	
162	955	13189+33	60.26	13198+88	60.44	Crest	453		
163	417	13202+39	60.51	13206+56	60.58	Sag		366	
164	722	13213+46	60.72	13220+68	60.85	Sag		342	
165	1863	13220+91	60.86	13239+54	61.21	Crest	605		
166	594	13241+44	61.25	13247+38	61.36	Sag		306	
167	325	13282+35	62.02	13285+60	62.08	Sag		429	
168	970	13285+68	62.08	13295+37	62.27	Crest	547		
169	559	13299+25	62.34	13304+83	62.45	Sag		821	
170	501	13307+46	62.50	13312+47	62.59	Crest	453		
171	663	13317+14	62.68	13323+77	62.81	Sag		315	
172	1180	13324+31	62.82	13336+11	63.04	Crest	608		
173	694	13338+18	63.08	13345+12	63.21	Sag		483	
174	926	13351+48	63.33	13360+74	63.51	Sag		1760	
175	200	13360+91	63.51	13362+91	63.55	Crest	483		
176	597	13364+58	63.58	13370+56	63.69	Crest	495		
177	1172	13374+42	63.77	13386+14	63.99	Sag		866	
178	499	13400+29	64.26	13405+28	64.35	Crest	597		
179	562	13435+36	64.92	13440+98	65.03	Sag		740	
180	990	13452+11	65.24	13462+01	65.43	Crest	583		
181	769	13470+48	65.59	13478+16	65.73	Crest	502		
182	1143	13494+84	66.05	13506+27	66.26	Sag		412	
183	659	13519+44	66.51	13526+03	66.64	Crest	2183		
184	481	13530+89	66.73	13535+70	66.82	Sag		1629	
185	200	13541+66	66.94	13543+66	66.97	Crest	664		
186	200	13559+88	67.28	13561+88	67.32	Sag		742	
187	200	13574+98	67.57	13576+98	67.60	Crest	541		
188	1055	13582+72	67.71	13593+26	67.91	Sag		2002	
189	932	13617+68	68.38	13627+00	68.55	Crest	1581		
190	596	13636+24	68.73	13642+20	68.84	Crest	722		

I-40 Westbound Vertical Curve Analysis

		Legend:							
		Does Not Meet Posted Speed*		Meets Posted Speed*		Meets 80 MPH Design Speed*			
#	Length	Start Station	Start MP	End Station	End MP	Curve Type	K Value Crest	K Value Sag	
191	644	13652+27	69.03	13658+71	69.15	Sag		234	
192	1598	13661+18	69.20	13677+16	69.50	Crest	355		
193	1234	13685+07	69.65	13697+41	69.89	Sag		441	
194	819	13779+19	71.44	13787+38	71.59	Crest	1143		
195	773	13787+44	71.59	13795+17	71.74	Sag		643	
196	1342	13795+66	71.75	13809+08	72.00	Crest	1808		
197	1008	13820+70	72.22	13830+78	72.41	Sag		4174	
198	870	13885+82	73.46	13894+52	73.62	Sag		647	
199	200	13896+93	73.67	13900+04	73.73	Crest	385		
200	435	13902+84	73.78	13907+92	73.88	Crest	385		
201	843	13914+58	74.00	13923+01	74.16	Sag		505	
202	1186	13934+24	74.37	13946+10	74.60	Crest	2383		
203	1070	13953+06	74.73	13963+75	74.93	Sag		411	
204	1173	13982+06	75.28	13994+19	75.51	Crest	385		
205	1601	14030+74	76.20	14046+76	76.51	Crest	605		
206	1710	14075+65	77.05	14092+75	77.38	Sag		608	
207	1042	14148+63	78.44	14159+05	78.63	Sag		1856	
208	200	14159+08	78.64	14161+08	78.67	Crest	499		
209	669	14170+48	78.85	14177+17	78.98	Sag		307	
210	1324	14178+07	79.00	14191+32	79.25	Crest	315		
211	1389	14195+36	79.32	14209+26	79.59	Sag		679	
212	200	14211+42	79.63	14213+42	79.66	Sag		659	
213	625	14218+49	79.76	14224+73	79.88	Sag		265	
214	1531	14224+93	79.88	14240+24	80.17	Crest	275		
215	800	14241+02	80.19	14249+02	80.34	Sag		294	
216	897	14257+02	80.49	14265+99	80.66	Sag		1721	
217	1041	14268+07	80.70	14278+48	80.90	Crest	2067		
218	924	14304+14	81.38	14313+38	81.56	Crest	1442		
219	842	14320+63	81.70	14329+05	81.86	Sag		1317	
220	1143	14351+37	82.28	14362+80	82.50	Crest	2081		
221	1113	14380+00	82.82	14391+13	83.03	Sag		1117	
222	995	14396+14	83.13	14406+09	83.32	Crest	1048		
223	570	14428+77	83.75	14434+47	83.85	Sag		747	
224	509	14455+14	84.25	14460+22	84.34	Crest	1766		
225	857	14480+85	84.73	14489+42	84.90	Crest	1128		
226	993	14501+46	85.12	14511+39	85.31	Sag		1119	
227	200	14528+94	85.64	14530+94	85.68	Sag		762	
228	1241	14539+62	85.85	14552+03	86.08	Crest	2699		

I-40 Westbound Vertical Curve Analysis

		Legend:							
		Does Not Meet Posted Speed*		Meets Posted Speed*		Meets 80 MPH Design Speed*			
#	Length	Start Station	Start MP	End Station	End MP	Curve Type	K Value Crest	K Value Sag	
229	1009	14557+83	86.19	14567+92	86.38	Sag		1902	
230	515	14580+23	86.62	14585+39	86.71	Crest	2661		
231	713	14601+10	87.01	14608+23	87.15	Crest	2121		
232	1538	14615+93	87.29	14631+31	87.58	Sag		2883	
233	1556	14642+40	87.79	14657+96	88.09	Crest	1822		
234	1271	14669+58	88.31	14682+29	88.55	Sag		3981	
235	772	14720+70	89.28	14728+41	89.42	Crest	666		
236	-29685	14744+66	89.73	14447+81	84.11	Sag		233	
237	584	14756+45	89.96	14762+29	90.07	Crest	836		
238	504	14770+14	90.21	14775+18	90.31	Crest	638		
239	802	14802+70	90.83	14810+72	90.98	Sag		511	
240	895	14829+70	91.34	14838+66	91.51	Crest	3280		
241	377	14849+16	91.71	14852+93	91.78	Sag		1713	
242	2700	14894+19	92.57	14921+18	93.08	Crest	2903		
243	481	14941+42	93.46	14946+22	93.55	Sag		1091	
244	385	14975+85	94.11	14979+70	94.19	Crest	968		
245	200	14997+24	94.52	14999+24	94.56	Sag		396	
246	200	15002+75	94.62	15004+75	94.66	Crest	648		
247	364	15006+04	94.69	15009+68	94.75	Sag		237	
248	427	15009+76	94.76	15014+03	94.84	Crest	385		
249	564	15024+26	95.03	15029+90	95.14	Sag		1545	
250	306	15055+73	95.63	15058+79	95.68	Sag		389	
251	657	15081+01	96.11	15087+58	96.23	Crest	1596		
252	306	15098+37	96.43	15101+43	96.49	Crest	426		
253	424	15102+07	96.51	15106+30	96.59	Sag		358	
254	1258	15127+75	96.99	15140+33	97.23	Crest	385		
255	1249	15149+82	97.41	15162+31	97.65	Sag		220	
256	1330	15169+77	97.79	15183+07	98.04	Crest	313		
257	903	15189+23	98.16	15198+26	98.33	Crest	610		
258	2932	15200+64	98.37	15229+96	98.93	Sag		922	
259	200	15232+87	98.98	15234+87	99.02	Crest	561		
260	200	15242+00	99.16	15244+00	99.19	Crest	613		
261	750	15254+00	99.38	15261+50	99.53	Crest	432		
262	1048	15263+67	99.57	15274+15	99.77	Sag		323	
263	1338	15274+61	99.77	15287+99	100.03	Crest	4239		
264	1081	15306+06	100.37	15316+86	100.58	Crest	571		
265	1819	15322+26	100.68	15340+45	101.02	Sag		789	
266	1126	15340+54	101.02	15351+80	101.24	Crest	641		

I-40 Westbound Vertical Curve Analysis

		Legend:							
		Does Not Meet Posted Speed*		Meets Posted Speed*		Meets 80 MPH Design Speed*			
#	Length	Start Station	Start MP	End Station	End MP	Curve Type	K Value Crest	K Value Sag	
267	894	15364+97	101.49	15373+91	101.66	Sag		662	
268	994	15373+91	101.66	15384+64	101.86	Crest	387		
269	779	15390+35	101.97	15398+15	102.12	Sag		356	
270	978	15403+74	102.22	15413+53	102.41	Sag		469	
271	894	15418+59	102.50	15427+53	102.67	Crest	802		
272	874	15448+22	103.06	15456+96	103.23	Crest	392		
273	1266	15468+50	103.45	15481+16	103.69	Crest	297		
274	956	15516+96	104.37	15526+53	104.55	Sag		337	
275	961	15539+19	104.79	15548+79	104.97	Sag		516	
276	854	15555+57	105.10	15564+11	105.26	Crest	324		
277	775	15585+35	105.66	15593+10	105.81	Sag		326	
278	1152	15594+02	105.83	15605+54	106.05	Crest	322		
279	1165	15610+42	106.14	15622+07	106.36	Sag		243	
280	1207	15658+18	107.04	15670+25	107.27	Crest	286		
281	474	15707+84	107.98	15712+58	108.07	Sag		315	
282	2308	15732+05	108.44	15755+13	108.88	Sag		806	
283	1502	15769+77	109.16	15784+79	109.44	Crest	425		
284	716	15785+07	109.45	15792+23	109.58	Sag		650	
285	914	15794+88	109.63	15804+02	109.81	Crest	468		
286	1140	15804+05	109.81	15815+45	110.02	Sag		582	
287	776	15825+78	110.22	15833+54	110.37	Sag		710	
288	611	15846+57	110.61	15852+68	110.73	Crest	579		
289	488	15875+29	111.16	15880+16	111.25	Sag		324	
290	1016	15887+58	111.39	15897+74	111.58	Crest	448		
291	612	15905+91	111.74	15912+03	111.85	Sag		573	
292	1159	15921+33	112.03	15932+92	112.25	Crest	618		
293	1063	15937+22	112.33	15947+85	112.53	Sag		372	
294	1019	15953+42	112.64	15963+61	112.83	Crest	269		
295	933	15971+07	112.97	15980+40	113.15	Sag		232	
296	200	16023+85	113.97	16025+85	114.01	Crest	452		
297	200	16032+05	114.13	16034+05	114.17	Sag		247	
298	376	16039+86	114.28	16043+62	114.35	Sag		377	
299	2311	16047+10	114.41	16070+21	114.85	Crest	355		
300	361	16074+26	114.93	16077+87	115.00	Sag		252	
301	577	16082+98	115.09	16088+76	115.20	Crest	400		
302	1558	16110+12	115.61	16125+70	115.90	Sag		219	
303	1388	16125+78	115.90	16139+66	116.17	Crest	313		
304	126	16142+34	116.22	16143+60	116.24	Crest	114		

I-40 Westbound Vertical Curve Analysis

		Legend:							
		Does Not Meet Posted Speed*		Meets Posted Speed*		Meets 80 MPH Design Speed*			
#	Length	Start Station	Start MP	End Station	End MP	Curve Type	K Value Crest	K Value Sag	
305	50	16144+63	116.26	16145+13	116.27	Sag		74	
306	516	16147+92	116.32	16153+09	116.42	Sag		251	
307	394	16159+76	116.55	16163+70	116.62	Crest	995		
308	746	16169+10	116.73	16176+57	116.87	Sag		611	
309	1111	16181+70	116.96	16192+81	117.17	Crest	385		
310	1478	16209+68	117.49	16224+46	117.77	Sag		832	
311	1215	16226+92	117.82	16239+07	118.05	Crest	993		
312	1084	16264+53	118.53	16275+37	118.74	Sag		545	
313	610	16299+92	119.20	16306+02	119.32	Crest	385		
314	460	16308+51	119.37	16313+11	119.45	Crest	386		
315	1176	16324+04	119.66	16335+80	119.88	Sag		688	
316	1435	16356+53	120.28	16370+88	120.55	Sag		3026	
317	658	16391+71	120.94	16398+29	121.07	Crest	1698		
318	1001	16419+02	121.46	16429+03	121.65	Sag		320	
319	1580	16430+50	121.68	16446+29	121.98	Crest	276		
320	1065	16448+20	122.01	16458+86	122.22	Sag		389	
321	866	16479+84	122.61	16488+50	122.78	Sag		1004	
322	990	16500+24	123.00	16510+14	123.19	Crest	1416		
323	636	16545+10	123.85	16551+46	123.97	Crest	3075		
324	970	16585+27	124.61	16594+97	124.80	Crest	407		
325	665	16600+92	124.91	16607+58	125.03	Sag		584	
326	625	16615+61	125.19	16621+86	125.31	Crest	991		
327	771	16626+05	125.38	16633+76	125.53	Sag		411	
328	603	16664+13	126.11	16670+16	126.22	Sag		602	
329	1165	16676+75	126.35	16688+41	126.57	Crest	1580		
330	883	16717+45	127.12	16726+28	127.28	Crest	881		
331	883	16734+35	127.44	16743+18	127.60	Sag		943	
332	897	16752+94	127.79	16761+92	127.96	Sag		431	
333	1158	16766+16	128.04	16777+75	128.26	Crest	400		
334	1567	16799+30	128.67	16814+97	128.96	Sag		989	
335	1706	16847+08	129.57	16864+14	129.90	Crest	2292		
336	790	16871+17	130.03	16879+06	130.18	Sag		636	
337	980	16884+47	130.28	16894+27	130.47	Crest	236		
338	1230	16904+43	130.66	16916+73	130.89	Sag		326	
339	1041	16950+19	131.53	16960+60	131.72	Sag		890	
340	637	16986+53	132.22	16992+90	132.34	Crest	259		
341	962	16994+57	132.37	17004+19	132.55	Crest	405		
342	1074	17004+85	132.56	17015+59	132.77	Sag		420	

I-40 Westbound Vertical Curve Analysis

		Legend:						
		Does Not Meet Posted Speed*		Meets Posted Speed*			Meets 80 MPH Design Speed*	
#	Length	Start Station	Start MP	End Station	End MP	Curve Type	K Value Crest	K Value Sag
343	1984	17035+38	133.14	17055+22	133.52	Crest	770	
344	514	17078+23	133.95	17083+37	134.05	Sag		583
345	1063	17101+02	134.39	17111+65	134.59	Sag		626
346	691	17122+87	134.80	17129+78	134.93	Sag		274
347	1854	17144+21	135.20	17162+75	135.56	Crest	348	
348	788	17189+15	136.06	17197+03	136.20	Sag		618
349	1814	17199+59	136.25	17217+74	136.60	Crest	1323	
350	1075	17220+43	136.65	17231+18	136.85	Sag		351
351	1043	17238+84	137.00	17249+27	137.19	Sag		381
352	518	17267+26	137.54	17272+44	137.63	Crest	749	
353	727	17284+10	137.85	17291+37	137.99	Crest	470	
354	496	17297+83	138.12	17302+79	138.21	Sag		234
355	1804	17305+70	138.26	17323+74	138.61	Crest	271	
356	1597	17353+51	139.17	17369+48	139.47	Sag		563
357	264	17373+54	139.55	17376+18	139.60	Crest	385	
358	728	17390+79	139.88	17398+08	140.01	Sag		391
359	615	17402+90	140.11	17409+05	140.22	Crest	1253	
360	281	17412+88	140.30	17415+69	140.35	Sag		359
361	200	17418+35	140.40	17420+35	140.44	Crest	490	
362	361	17425+78	140.54	17429+39	140.61	Sag		888
363	504	17442+42	140.86	17447+46	140.95	Sag		388
364	459	17448+86	140.98	17453+46	141.06	Crest	1202	
365	564	17463+80	141.26	17469+44	141.37	Sag		366
366	2381	17477+36	141.52	17501+17	141.97	Sag		2801
367	924	17505+13	142.04	17514+37	142.22	Crest	385	
368	990	17539+16	142.69	17549+06	142.88	Sag		1700
369	1580	17571+67	143.30	17587+46	143.60	Sag		718
370	376	17623+65	144.29	17627+41	144.36	Sag		375
371	2014	17649+72	144.78	17669+86	145.17	Crest	268	
372	1063	17671+98	145.21	17682+62	145.41	Sag		486
373	1041	17684+82	145.45	17695+23	145.65	Crest	385	
374	454	17696+42	145.67	17700+96	145.75	Sag		401
375	879	17710+41	145.93	17719+20	146.10	Sag		640
376	891	17733+14	146.36	17742+05	146.53	Crest	1319	
377	407	17752+83	146.74	17756+90	146.81	Sag		261
378	200	17765+10	146.97	17767+10	147.01	Crest	834	
379	434	17771+66	147.09	17776+00	147.18	Sag		264
380	792	17778+72	147.23	17786+64	147.38	Crest	313	

I-40 Westbound Vertical Curve Analysis

Legend:		Does Not Meet Posted Speed*	Meets Posted Speed*	Meets 80 MPH Design Speed*				
#	Length	Start Station	Start MP	End Station	End MP	Curve Type	K Value Crest	K Value Sag
381	581	17791+19	147.46	17797+00	147.57	Crest	625	
382	942	17797+92	147.59	17807+34	147.77	Sag		589
383	920	17828+24	148.17	17837+44	148.34	Crest	385	
384	790	17844+50	148.47	17852+40	148.62	Sag		336
385	846	17888+36	149.31	17896+82	149.47	Crest	556	
386	302	17896+82	149.47	17899+84	149.52	Sag		241
387	1602	17909+98	149.72	17926+00	150.02	Crest	394	

* Based on Guidelines in the 2018 AASHTO Green Book

I-40 Proposed Reconstruction Limits

I-40 Reconstruction Limits				Deficiency Type					
Segment	Begin MP	End MP	Segment Length (mi)	Deficiency Type	Direction	Begin MP	End MP	Segment Length (mi)	Conflicts
1	0.0	3.0	3.0	Horizontal (Bridge)	EB	0.3	0.7	0.39	Bridge 6294
				Vertical (Crest)	WB	0.6	0.7	0.12	-
				Vertical (Crest)	EB	0.6	0.7	0.13	-
				Vertical (Crest)	EB	0.7	0.8	0.06	Bridge 6294
				Vertical (Crest)	WB	0.8	0.8	0.04	Bridge 6293
				Vertical (Sag)	WB	0.9	1.0	0.11	Bridge 6295
				Vertical (Sag)	EB	0.9	1.0	0.12	Bridge 6296
2	5.0	6.0	1.0	Horizontal	EB	2.1	2.8	0.66	CBC
				Vertical (Crest)	WB	5.4	5.7	0.26	-
3	8.0	12.0	4.0	Vertical (Crest)	EB	5.4	5.7	0.27	-
				Pavement (Very Poor)	EB	8.0	12.0	4.0	-
3	8.0	12.0	4.0	Pavement (Very Poor)	WB	8.0	12.0	4.0	-
				Horizontal (Bridge)	WB	17.7	18.3	0.53	Bridge 8845
4	17.5	21.5	4.0	Horizontal (Bridge)	EB	17.7	18.3	0.53	Bridge 8846
				Vertical (Crest)	WB	18.9	19.0	0.05	-
				Vertical (Sag)	WB	19.1	19.1	0.03	-
				Vertical (Sag)	EB	19.1	19.1	0.04	-
				Vertical (Crest)	EB	19.1	19.2	0.03	-
				Vertical (Crest)	WB	19.1	19.2	0.03	-
				Vertical (Crest)	EB	21.2	21.3	0.03	Bridge 7612
5	26.0	31.0	5.0	Pavement	WB	26.0	27.0	1.0	-
				Pavement	EB	26.0	27.0	1.0	-
				Vertical (Crest)	WB	28.2	28.4	0.18	Bridge 6710 (CBC)
				Vertical (Crest)	EB	28.2	28.4	0.14	Bridge 6710 (CBC)
				Pavement	WB	30.0	31.0	1.0	-
				Vertical (Crest)	WB	30.3	30.6	0.27	Bridges 6361 & 6364
6	38.0	39.0	1.0	Vertical (Crest)	EB	30.3	30.6	0.26	Bridges 6362 & 6365
				Pavement	WB	38.0	39.0	1.0	-
7	41.0	43.5	2.5	Vertical (Crest)	WB	41.4	41.8	0.38	-
				Vertical (Crest)	WB	41.4	41.8	0.37	-
				Vertical (Crest)	EB	42.9	43.2	0.30	-
				Vertical (Crest)	WB	43.0	43.3	0.29	-
8	45.5	46.5	1.0	Vertical (Crest)	EB	46.0	46.1	0.04	-
9	50.0	51.0	1.0	Pavement	WB	50.0	51.0	1.0	-
10	53.5	58.0	4.5	Vertical (Sag)	WB	53.5	53.6	0.06	Exit 53 WB Off Ramp
				Pavement (Very Poor)	EB	54.0	55.0	1.0	-
				Pavement	EB	56.0	57.0	1.0	-
				Pavement (Very Poor)	WB	56.0	57.0	1.0	-
				Pavement	WB	57.0	58.0	1.0	-
11	61.0	64.5	3.5	Pavement	EB	61.0	63.0	2.0	-
				Vertical (Crest)	EB	64.3	64.3	0.04	-
12	66.0	67.0	1.0	Pavement	WB	66.0	67.0	1.0	-
13	78.0	85.0	7.0	Pavement	WB	78.0	80.0	2.0	-
				Horizontal (Bridge)	WB	78.8	79.2	0.35	Bridge 7315
				Horizontal (Bridge)	EB	78.8	79.1	0.35	Bridge 7314
				Horizontal (Bridge)	WB	79.8	80.6	0.77	Bridge 7318
				Horizontal (Bridge)	EB	79.8	80.6	0.78	Bridge 7317
				Vertical (Crest)	WB	79.9	80.2	0.29	Bridge 7318
				Vertical (Crest)	EB	79.9	80.2	0.28	Bridge 7317
				Pavement (Very Poor)	WB	80.0	81.0	1.0	-
				Pavement	EB	82.0	85.0	3.0	-
14	91.5	96.0	4.5	Horizontal	EB	91.8	92.1	0.28	CBC
				Horizontal	WB	91.8	92.0	0.28	CBC
				Pavement	WB	92.0	93.0	1.0	-
				Horizontal	EB	92.6	92.7	0.16	CBC
				Pavement (Very Poor)	EB	93.0	94.0	1.0	-
				Horizontal	EB	93.7	94.4	0.75	CBC
15	97.5	100.0	2.5	Pavement	WB	95.0	96.0	1.0	-
				Vertical (Sag)	EB	97.5	97.6	0.07	Bridge 6889 (CBC)
15	97.5	100.0	2.5	Pavement (Very Poor)	EB	99.0	100.0	1.0	-
				Horizontal	WB	103.1	104.1	1.00	-
16	103.0	109.0	6.0	Vertical (Crest)	EB	103.4	103.7	0.24	-
				Vertical (Crest)	WB	103.4	103.7	0.24	-
				Pavement (Very Poor)	WB	105.0	106.0	1.0	-
				Pavement (Very Poor)	EB	106.0	107.0	1.0	-
				Pavement	WB	106.0	109.0	3.0	-
				Vertical (Crest)	EB	107.0	107.2	0.24	-
17	112.0	113.0	1.0	Vertical (Crest)	WB	107.0	107.3	0.23	-
				Vertical (Crest)	EB	112.6	112.8	0.18	CBC
17	112.0	113.0	1.0	Vertical (Crest)	WB	112.6	112.8	0.19	CBC
				Vertical (Crest)	WB	112.6	112.8	0.19	CBC

I-40 Proposed Reconstruction Limits

I-40 Reconstruction Limits				Deficiency Type					
Segment	Begin MP	End MP	Segment Length (mi)	Deficiency Type	Direction	Begin MP	End MP	Segment Length (mi)	Conflicts
18	116.0	139.0	23.0	Pavement	WB	116.0	118.0	2.0	-
				Pavement	EB	116.0	119.0	3.0	-
				Vertical (Crest)	EB	116.2	116.2	0.02	-
				Vertical (Crest)	WB	116.2	116.2	0.02	-
				Vertical (Sag)	WB	116.3	116.3	0.01	-
				Pavement (Very Poor)	WB	118.0	119.0	1.0	-
				Horizontal	EB	119.0	119.9	0.84	Bridge 6122 (Over I-40)
				Pavement (Very Poor)	EB	119.0	122.0	3.0	-
				Pavement	WB	119.0	124.0	5.0	-
				Vertical (Crest)	EB	119.4	119.4	0.06	-
				Vertical (Crest)	WB	121.7	122.0	0.30	Bridge 5987
				Vertical (Crest)	EB	121.7	121.8	0.10	Bridge 5986
				Vertical (Crest)	EB	121.8	122.0	0.18	Bridge 5986
				Pavement	EB	122.0	124.0	2.0	-
				Pavement (Very Poor)	WB	124.0	125.0	1.0	-
				Pavement (Very Poor)	EB	124.0	126.0	2.0	-
				Pavement	WB	125.0	132.0	7.0	-
				Pavement	EB	126.0	131.0	5.0	-
				Vertical (Crest)	EB	130.2	130.5	0.23	-
				Vertical (Crest)	WB	130.3	130.5	0.19	-
Pavement (Very Poor)	EB	131.0	132.0	1.0	-				
Pavement	EB	132.0	137.0	5.0	-				
Vertical (Crest)	EB	132.2	132.3	0.12	-				
Vertical (Crest)	WB	132.2	132.3	0.12	-				
Pavement	WB	136.0	138.0	2.0	-				
Vertical (Crest)	WB	138.3	138.6	0.34	-				
19	144.5	145.5	1.0	Vertical (Crest)	WB	144.8	145.2	0.38	-
				Vertical (Crest)	EB	144.8	145.1	0.31	-
				Horizontal	EB	145.1	145.2	0.09	-
20	148.0	149.0	1.0	Pavement (Very Poor)	WB	148.0	149.0	1.0	-
			77.5						