

Table K-1. Evacuation Roadway Network Characteristics

Link #	Up-Stream Node	Down-Stream Node	Roadway Name	Roadway Type	Length (ft.)	No. of Lanes	Lane Width (ft.)	Shoulder Width (ft.)	Saturation Flow Rate	Free Flow Speed (mph)	Grid Number
1	1	3	Rt 213	collector	1265	1	12	0	1700	50	21
2	1	87	Rt 215	collector	1502	1	12	0	1700	55	21
3	2	126	Rt 34	collector	2206	1	12	0	1700	55	8
4	3	33	Rt 213	collector	2034	1	12	0	1700	45	21
5	4	5	Rt 215	collector	1538	1	12	0	1700	55	21
6	4	6	Rt 215	collector	1786	1	12	0	1700	50	21
7	5	1	Rt 215	collector	5632	1	12	0	1700	55	21
8	6	7	Rt 215	collector	4286	1	12	0	1700	50	21
9	7	8	Rt 215	collector	3734	1	12	0	1700	50	29
10	8	14	Rt 215	collector	773	1	12	0	1700	45	29
11	8	168	Rt 213	collector	2361	1	12	2	1700	65	29
12	9	4	Bradham Blvd	collector	1256	1	12	0	1700	50	21
13	10	9	Bradham Blvd	collector	1186	1	12	0	1700	45	21
14	11	10	Bradham Blvd	collector	1928	1	12	0	1700	45	20
15	12	11	Bradham Blvd	collector	2158	1	12	0	1700	45	20
16	13	12	Bradham Blvd	collector	1810	1	12	0	1700	45	20
17	13	832	S Lake Access Rd	minor arterial	1891	2	12	0	1900	40	20
18	14	15	Rt 215	collector	3193	1	12	0	1700	45	29
19	15	16	Rt 215	collector	5461	1	12	0	1700	55	29
20	16	17	Rt 215	collector	2010	1	12	0	1750	60	29
21	17	18	Rt 215	collector	2177	1	12	0	1700	60	29
22	18	19	Rt 215	collector	1491	1	12	0	1700	60	29
23	19	20	Rt 215	collector	6068	1	12	0	1700	60	29

Link #	Up-Stream Node	Down-Stream Node	Roadway Name	Roadway Type	Length (ft.)	No. of Lanes	Lane Width (ft.)	Shoulder Width (ft.)	Saturation Flow Rate	Free Flow Speed (mph)	Grid Number
24	20	21	Rt 215	collector	4779	1	12	0	1700	60	29
25	21	22	Rt 215	collector	4009	1	12	0	1700	60	29
26	22	23	Rt 215	collector	8291	1	12	0	1700	60	30
27	23	24	Rt 215	collector	7098	1	12	0	1700	55	36
28	24	25	Rt 215	collector	8172	1	12	0	1700	60	36
29	25	27	Rt 215	collector	3235	1	12	0	1700	60	36
30	26	27	Rt 269	collector	1549	1	12	0	1700	55	37
31	26	85	Rt 269	collector	3072	1	12	0	1700	60	37
32	27	26	Rt 269	collector	1549	1	12	0	1700	55	37
33	27	28	Rt 215	collector	2428	1	12	0	1700	60	37
34	28	29	Rt 215	collector	6876	1	12	0	1700	60	37
35	29	30	Rt 215	collector	2159	1	12	0	1700	55	37
36	30	31	Rt 215	collector	1723	1	12	0	1700	55	37
37	31	32	Rt 215	collector	1780	1	12	0	1700	55	37
38	33	34	Rt 213	collector	5185	1	12	0	1700	60	21
39	34	35	Rt 213	collector	3862	1	12	0	1700	60	21
40	35	36	Rt 213	collector	2184	1	12	0	1700	60	21
41	35	803	SR S-20-48	collector	5255	1	12	0	1700	55	21
42	36	37	Rt 213	collector	2363	1	12	0	1700	55	21
43	37	38	Rt 213	collector	1281	1	12	0	1700	45	21
44	38	39	Rt 213	collector	949	1	12	0	1700	45	21
45	39	40	Rt 213	collector	1339	1	12	0	1700	45	21
46	40	41	Rt 213	collector	2106	1	12	0	1700	45	21
47	41	42	Rt 213	collector	1991	1	12	0	1700	45	21
48	42	43	Rt 213	collector	4038	1	12	0	1700	60	21

Link #	Up-Stream Node	Down-Stream Node	Roadway Name	Roadway Type	Length (ft.)	No. of Lanes	Lane Width (ft.)	Shoulder Width (ft.)	Saturation Flow Rate	Free Flow Speed (mph)	Grid Number
49	43	44	Rt 213	collector	1619	1	12	0	1700	60	15
50	44	45	Rt 213	collector	4960	1	12	0	1700	60	15
51	45	46	Rt 213	collector	4221	1	12	0	1700	60	15
52	46	47	Rt 213	collector	2107	1	12	0	1700	55	15
53	47	48	Route 213	collector	3262	1	12	0	1700	60	15
54	47	804	Kincaid Bridge Rd	collector	5343	1	12	1	1700	55	15
55	48	49	Route 213	collector	1827	1	12	0	1700	60	15
56	49	50	Route 213	collector	4745	1	12	0	1700	60	15
57	50	51	Route 213	collector	4980	1	12	0	1700	60	16
58	51	52	Route 213	collector	1177	1	12	0	1700	60	23
59	52	53	Route 213	collector	951	1	12	0	1700	60	23
60	53	54	Route 213	collector	1410	1	12	0	1700	60	16
61	54	55	Route 213	collector	2781	1	12	0	1700	60	16
62	55	56	Route 213	collector	2141	1	12	0	1700	60	23
63	56	57	Route 213	collector	3789	1	12	0	1750	40	16
64	57	58	US 321	minor arterial	1006	2	12	1	1900	55	16
65	57	450	US 321	minor arterial	935	2	12	0	1900	45	16
66	57	452	US 321 BUS	minor arterial	210	2	12	0	1575	35	16
67	58	57	US 321	minor arterial	1006	2	12	1	1750	45	16
68	58	59	Rt 34	collector	329	1	12	0	1700	50	23
69	58	62	US 321	minor arterial	556	2	12	1	1900	55	23

Link #	Up-Stream Node	Down-Stream Node	Roadway Name	Roadway Type	Length (ft.)	No. of Lanes	Lane Width (ft.)	Shoulder Width (ft.)	Saturation Flow Rate	Free Flow Speed (mph)	Grid Number
70	59	60	Rt 34	collector	2491	1	12	1	1700	60	23
71	60	61	Rt 34	collector	9830	1	12	1	1700	60	23
72	62	58	US 321	minor arterial	556	2	12	1	1900	55	23
73	62	63	US 321	minor arterial	4679	2	12	1	1900	60	23
74	63	62	US 321	minor arterial	4679	2	12	1	1900	55	23
75	63	64	US 321	minor arterial	1072	2	12	1	1750	60	23
76	64	63	US 321	minor arterial	1072	2	12	1	1900	60	23
77	64	65	US 321	minor arterial	3948	2	12	0	1900	55	23
78	64	72	Rt 269	collector	2959	1	12	0	1700	55	23
79	65	64	US 321	minor arterial	3948	2	12	0	1750	60	23
80	65	66	US 321	collector	3273	1	12	0	1700	65	23
81	66	65	US 321	collector	3273	1	12	0	1700	65	23
82	66	67	US 321	collector	4084	1	12	0	1700	60	23
83	67	66	US 321	collector	4084	1	12	0	1700	60	23
84	67	68	US 321	collector	7402	1	12	0	1700	60	23
85	68	67	US 321	collector	7402	1	12	0	1700	55	23
86	68	69	US 321	collector	4599	1	12	0	1700	60	31
87	69	68	US 321	collector	4599	1	12	0	1700	60	31
88	69	805	US 321	collector	5404	1	12	0	1700	60	31
89	70	71	US 321	collector	7456	1	12	0	1700	60	31

Link #	Up-Stream Node	Down-Stream Node	Roadway Name	Roadway Type	Length (ft.)	No. of Lanes	Lane Width (ft.)	Shoulder Width (ft.)	Saturation Flow Rate	Free Flow Speed (mph)	Grid Number
90	70	805	US 321	collector	4683	1	12	0	1700	60	31
91	71	70	US 321	collector	7456	1	12	0	1700	60	31
92	71	664	US 321	collector	5614	1	12	0	1700	60	31
93	72	64	Rt 269	collector	2959	1	12	0	1750	45	23
94	72	73	Rt 269	collector	2247	1	12	0	1700	55	23
95	73	72	Rt 269	collector	2247	1	12	0	1700	55	23
96	73	74	Rt 269	collector	3530	1	12	0	1700	55	23
97	74	73	Rt 269	collector	3530	1	12	0	1700	55	23
98	74	75	Rt 269	collector	2097	1	12	0	1700	55	23
99	75	74	Rt 269	collector	2097	1	12	0	1700	55	23
100	75	652	Rt 269	collector	1813	1	12	0	1700	55	23
101	76	77	Rt 269	collector	4886	1	12	0	1700	55	23
102	76	652	Rt 269	collector	3933	1	12	0	1700	55	23
103	77	76	Rt 269	collector	4886	1	12	0	1700	55	23
104	77	86	Rt 269	collector	4173	1	12	0	1700	55	22
105	78	79	Rt 269	collector	3825	1	12	0	1700	55	30
106	78	86	Rt 269	collector	4073	1	12	0	1700	55	22
107	79	78	Rt 269	collector	3825	1	12	0	1700	55	30
108	79	80	Rt 269	collector	3938	1	12	0	1700	60	30
109	80	79	Rt 269	collector	3938	1	12	0	1700	55	30
110	80	81	Rt 269	collector	3809	1	12	0	1700	60	30
111	81	80	Rt 269	collector	3809	1	12	0	1700	60	30
112	81	82	Rt 269	collector	6429	1	12	0	1700	60	30
113	82	81	Rt 269	collector	6429	1	12	0	1700	60	30
114	82	83	Rt 269	collector	1024	1	12	0	1700	60	30

Link #	Up-Stream Node	Down-Stream Node	Roadway Name	Roadway Type	Length (ft.)	No. of Lanes	Lane Width (ft.)	Shoulder Width (ft.)	Saturation Flow Rate	Free Flow Speed (mph)	Grid Number
115	83	82	Rt 269	collector	1024	1	12	0	1700	60	30
116	83	84	Rt 269	collector	5460	1	12	0	1700	60	30
117	84	83	Rt 269	collector	5460	1	12	0	1700	60	30
118	84	655	Rt 269	collector	1262	1	12	0	1700	60	37
119	85	26	Rt 269	collector	3072	1	12	0	1700	60	37
120	85	655	Rt 269	collector	2809	1	12	0	1700	60	37
121	86	77	Rt 269	collector	4173	1	12	0	1700	55	22
122	86	78	Rt 269	collector	4073	1	12	0	1700	55	22
123	87	88	Rt 215	collector	4923	1	12	0	1700	55	21
124	88	89	Rt 215	collector	4294	1	12	0	1700	55	21
125	89	90	Rt 215	collector	1561	1	12	0	1700	55	21
126	90	91	Rt 215	collector	3591	1	12	0	1700	55	14
127	91	92	Rt 215	collector	2400	1	12	0	1700	50	14
128	92	93	Rt 215	collector	2926	1	12	0	1700	55	14
129	93	94	Rt 215	collector	2468	1	12	0	1700	55	14
130	94	95	Rt 215	collector	8912	1	12	0	1700	45	14
131	95	96	Rt 215	collector	2065	1	12	0	1700	45	14
132	96	97	Rt 215	collector	2278	1	12	0	1700	55	14
133	97	98	Rt 215	collector	2276	1	12	0	1700	55	7
134	98	99	Rt 215	collector	2814	1	12	0	1700	55	7
135	99	112	Rt 215	collector	912	1	12	0	1700	60	7
136	99	114	Rt 34	collector	939	1	10	0	1700	55	7
137	99	143	Rt 34	collector	494	1	12	0	1700	55	7
138	100	101	Rt 215	collector	1361	1	12	0	1700	60	7
139	101	102	Rt 215	collector	2893	1	12	0	1700	50	6

Link #	Up-Stream Node	Down-Stream Node	Roadway Name	Roadway Type	Length (ft.)	No. of Lanes	Lane Width (ft.)	Shoulder Width (ft.)	Saturation Flow Rate	Free Flow Speed (mph)	Grid Number
140	102	924	Rt 215	collector	1265	1	12	0	1700	60	6
141	103	104	Rt 215	collector	3257	1	12	0	1700	60	6
142	104	105	Rt 215	collector	3451	1	12	0	1700	60	6
143	105	106	Rt 215	collector	3239	1	12	0	1700	60	2
144	106	107	Rt 215	collector	3783	1	12	0	1700	60	2
145	107	108	Rt 215	collector	3435	1	12	0	1700	60	2
146	108	109	Rt 215	collector	3797	1	12	0	1700	60	2
147	109	110	Rt 215	collector	1003	1	12	0	1700	60	2
148	110	113	Rt 215	collector	1385	1	12	0	1700	60	2
149	112	100	Rt 215	collector	4617	1	12	0	1700	60	7
150	113	111	Rt 215	collector	1797	1	12	0	1700	60	2
151	114	115	Rt 34	collector	3226	1	10	0	1700	55	7
152	115	116	Rt 34	collector	3043	1	12	0	1700	55	7
153	116	117	Rt 34	collector	835	1	12	0	1700	55	7
154	117	118	Rt 34	collector	1836	1	12	0	1700	55	7
155	118	119	Rt 34	collector	926	1	12	0	1700	55	7
156	119	120	Rt 34	collector	7770	1	12	0	1700	55	7
157	120	121	Rt 34	collector	3001	1	12	0	1700	55	14
158	121	122	Rt 34	collector	1900	1	12	0	1700	55	14
159	122	123	Rt 34	collector	1654	1	12	0	1700	55	14
160	123	124	Rt 34	collector	2189	1	12	0	1700	55	14
161	124	125	Rt 34	collector	1679	1	12	0	1700	55	15
162	125	2	Rt 34	collector	2360	1	12	0	1700	55	15
163	126	142	Rt 34	collector	3117	1	12	0	1700	55	8
164	127	128	Rt 34	collector	1611	1	12	0	1700	55	8

Link #	Up-Stream Node	Down-Stream Node	Roadway Name	Roadway Type	Length (ft.)	No. of Lanes	Lane Width (ft.)	Shoulder Width (ft.)	Saturation Flow Rate	Free Flow Speed (mph)	Grid Number
165	128	129	Rt 34	collector	1393	1	12	0	1700	60	8
166	129	130	Rt 34	collector	1577	1	12	0	1700	65	8
167	129	557	SR S-20-38	collector	1991	1	12	0	1700	45	8
168	130	131	Rt 34	collector	3322	1	12	0	1700	60	8
169	131	132	Rt 34	collector	1987	1	12	0	1700	60	15
170	132	133	Rt 34	collector	1626	1	12	0	1700	60	15
171	133	134	Rt 34	collector	1898	1	12	0	1700	60	15
172	134	135	Rt 34	collector	2168	1	12	0	1700	50	16
173	135	136	Rt 34	collector	4774	1	12	0	1700	55	16
174	136	137	Rt 34	collector	2457	1	12	0	1700	40	16
175	137	138	Rt 34	collector	3247	1	12	0	1750	45	16
176	138	139	Route 200	collector	2749	1	12	0	1700	45	16
177	138	451	US 321	collector	5077	1	12	0	1700	45	16
178	138	463	US 321	collector	4075	1	12	0	1700	45	16
179	139	140	Route 200	collector	1021	1	12	0	1700	45	16
180	140	141	Route 200	collector	4684	1	12	0	1700	55	16
181	140	462	US 321 BUS	minor arterial	724	2	12	0	1900	45	16
182	140	464	US 321 BUS	collector	1882	1	12	0	1700	60	16
183	142	127	Rt 34	collector	3628	1	12	0	1700	55	8
184	143	144	Rt 34	collector	1436	1	12	0	1700	55	6
185	144	145	Rt 34	collector	814	1	12	0	1700	55	6
186	145	146	Rt 34	collector	953	1	12	0	1700	55	6
187	146	147	Rt 34	collector	3506	1	12	0	1700	60	6
188	147	148	Rt 34	collector	2391	1	12	0	1700	60	6
189	148	149	Rt 34	collector	4532	1	12	0	1700	60	6

Link #	Up-Stream Node	Down-Stream Node	Roadway Name	Roadway Type	Length (ft.)	No. of Lanes	Lane Width (ft.)	Shoulder Width (ft.)	Saturation Flow Rate	Free Flow Speed (mph)	Grid Number
190	149	150	Rt 34	collector	2665	1	12	0	1700	60	6
191	150	151	Rt 34	collector	3069	1	12	0	1700	60	6
192	151	152	Rt 34	collector	2127	1	12	0	1700	60	6
193	152	153	Rt 34	collector	3182	1	12	0	1700	60	13
194	153	154	Rt 34	collector	1133	1	12	0	1700	60	13
195	154	155	Rt 34	collector	3863	1	12	0	1700	60	13
196	155	156	Rt 34	collector	5407	1	12	0	1700	60	12
197	156	157	Rt 34	collector	3118	1	12	6	1700	60	12
198	157	158	Rt 34	collector	4040	1	12	0	1700	60	12
199	158	159	Rt 34	collector	627	1	12	0	1750	60	12
200	159	160	Rt 34	collector	8837	1	12	0	1700	60	12
201	159	402	Mt. Pleasant Rd	collector	3914	1	11	0	1700	50	12
202	160	161	Rt 34	collector	3222	1	12	0	1700	60	12
203	161	545	Rt 34	collector	1961	1	12	0	1700	60	12
204	162	163	Rt 34	collector	5077	1	12	0	1700	60	11
205	163	164	Rt 34	collector	1449	1	12	0	1700	60	11
206	164	165	Rt 34	collector	3936	1	12	0	1700	60	11
207	165	166	Rt 34	collector	3738	1	12	0	1700	60	11
208	166	167	Rt 34	collector	2503	1	12	0	1750	60	11
209	167	312	US 176	collector	2094	1	12	0	1700	60	18
210	167	352	Rt 34	collector	4941	1	12	0	1700	55	18
211	167	396	US 176	collector	3267	1	12	0	1700	65	11
212	168	8	Rt 213	collector	2361	1	12	2	1750	45	29
213	168	169	Rt 213	collector	2724	1	12	2	1750	65	28
214	169	168	Rt 213	collector	2723	1	12	2	1700	65	28

Link #	Up-Stream Node	Down-Stream Node	Roadway Name	Roadway Type	Length (ft.)	No. of Lanes	Lane Width (ft.)	Shoulder Width (ft.)	Saturation Flow Rate	Free Flow Speed (mph)	Grid Number
215	169	170	Rt 213	collector	2104	1	12	2	1700	65	28
216	170	171	Rt 213	collector	1897	1	12	2	1700	65	28
217	171	172	Rt 213	collector	7826	1	12	2	1750	40	28
218	172	173	Rt 213	collector	4137	1	12	1	1700	60	28
219	173	174	Rt 213	collector	4802	1	12	1	1700	60	28
220	174	175	Rt 213	collector	1945	1	12	0	1750	55	28
221	175	192	US 176	collector	6665	1	12	0	1700	55	27
222	175	197	US 176	collector	3076	1	12	0	1700	60	28
223	176	172	CR S-36-28	collector	1957	1	10	0	1750	45	28
224	177	176	CR S-36-28	collector	5808	1	10	0	1700	55	28
225	178	177	CR S-36-28	collector	1368	1	10	0	1700	55	28
226	179	180	CR S-36-28	collector	1605	1	10	0	1700	55	20
227	180	181	CR S-36-28	collector	1300	1	10	0	1700	55	20
228	181	182	CR S-36-28	collector	1831	1	10	0	1700	55	20
229	182	183	CR S-36-28	collector	4580	1	10	0	1700	55	20
230	183	184	CR S-36-28	collector	4414	1	10	0	1700	55	20
231	184	185	CR S-36-28	collector	2325	1	10	0	1700	55	20
232	185	186	CR S-36-28	collector	7024	1	10	0	1700	55	19
233	186	187	CR S-36-28	collector	4319	1	10	0	1700	55	12
234	187	188	CR S-36-28	collector	8273	1	10	0	1700	55	12
235	188	159	CR S-36-28	collector	7032	1	10	0	1750	55	12
236	189	172	CR S-36-28	collector	1706	1	12	0	1750	45	28
237	190	178	CR S-36-28	collector	3061	1	10	0	1700	55	28
238	190	179	CR S-36-28	collector	2156	1	10	0	1700	55	28
239	191	190	Peak Rd	collector	1463	1	12	0	1700	40	28

Link #	Up-Stream Node	Down-Stream Node	Roadway Name	Roadway Type	Length (ft.)	No. of Lanes	Lane Width (ft.)	Shoulder Width (ft.)	Saturation Flow Rate	Free Flow Speed (mph)	Grid Number
240	192	175	US 176	collector	6665	1	12	0	1750	55	27
241	192	193	US 176	collector	2941	1	12	0	1700	55	27
242	193	192	US 176	collector	2942	1	12	0	1700	55	27
243	193	194	US 176	collector	2275	1	12	0	1700	55	27
244	194	193	US 176	collector	2277	1	12	0	1700	55	27
245	194	195	US 176	collector	5602	1	12	0	1700	60	27
246	194	279	Rt 202	collector	3706	1	12	0	1700	60	27
247	195	194	US 176	collector	5602	1	12	0	1700	55	27
248	195	196	US 176	collector	2673	1	12	1	1700	60	27
249	196	195	US 176	collector	2673	1	12	1	1700	60	27
250	196	306	Rt 773	collector	506	1	12	0	1700	50	27
251	196	307	US 176	collector	2406	1	12	1	1700	60	27
252	197	175	US 176	collector	3076	1	12	0	1750	55	28
253	197	198	US 176	collector	3023	1	12	0	1700	60	28
254	198	197	US 176	collector	3023	1	12	0	1700	60	28
255	198	199	US 176	collector	3554	1	12	0	1700	60	28
256	199	198	US 176	collector	3554	1	12	0	1700	60	28
257	199	200	US 176	collector	1950	1	12	0	1700	60	28
258	200	199	US 176	collector	1950	1	12	0	1700	60	28
259	200	201	US 176	collector	1192	1	12	0	1750	60	28
260	201	200	US 176	collector	1192	1	12	0	1700	60	28
261	201	202	US 176	collector	8027	1	12	0	1700	55	34
262	201	262	Holy Trinity Church Rd	collector	1335	1	12	0	1700	55	34
263	202	201	US 176	collector	8027	1	12	0	1750	60	34
264	202	203	US 176	collector	2176	1	12	0	1700	55	34

Link #	Up-Stream Node	Down-Stream Node	Roadway Name	Roadway Type	Length (ft.)	No. of Lanes	Lane Width (ft.)	Shoulder Width (ft.)	Saturation Flow Rate	Free Flow Speed (mph)	Grid Number
265	203	202	US 176	collector	2178	1	12	0	1700	55	34
266	203	204	US 176	collector	2603	1	12	0	1700	55	34
267	204	203	US 176	collector	2604	1	12	0	1700	55	34
268	204	205	US 176	collector	1875	1	12	0	1700	55	34
269	205	204	US 176	collector	1878	1	12	0	1700	55	34
270	205	206	US 176	collector	4302	1	12	0	1700	55	34
271	206	205	US 176	collector	4299	1	12	0	1700	55	34
272	206	207	US 176	collector	2659	1	12	0	1700	55	34
273	207	206	US 176	collector	2659	1	12	0	1700	55	34
274	207	208	US 176	collector	2750	1	12	0	1700	55	35
275	208	207	US 176	collector	2745	1	12	0	1700	55	35
276	208	209	US 176	collector	3854	1	12	0	1700	55	35
277	209	208	US 176	collector	3854	1	12	0	1700	55	35
278	209	210	US 176	collector	2826	1	12	0	1700	45	35
279	209	268	SR S-40-39	collector	1942	1	12	1	1700	45	35
280	210	209	US 176	collector	2826	1	12	0	1700	45	35
281	210	605	US 176	collector	2520	1	12	0	1700	45	35
282	211	212	US 176	collector	3226	1	12	0	1700	45	35
283	211	605	US 176	collector	1706	1	12	0	1700	45	35
284	212	211	US 176	collector	3226	1	12	0	1700	45	35
285	212	213	US 176	collector	4532	1	12	0	1750	45	35
286	213	212	US 176	collector	4532	1	12	0	1700	45	35
287	213	382	US 176	collector	1907	1	12	0	1700	55	35
288	214	215	US 176	collector	1596	1	12	0	1700	45	43
289	214	382	US 176	collector	597	1	12	0	1700	55	35

Link #	Up-Stream Node	Down-Stream Node	Roadway Name	Roadway Type	Length (ft.)	No. of Lanes	Lane Width (ft.)	Shoulder Width (ft.)	Saturation Flow Rate	Free Flow Speed (mph)	Grid Number
290	214	383	I-26 on-ramp to US176	local roadway	427	1	12	8	1350	30	43
291	215	214	US 176	collector	1596	1	12	0	1750	45	43
292	215	380	I-26 on-ramp to US176	local roadway	507	1	12	8	1350	30	43
293	215	865	US 176	collector	161	1	12	0	1700	45	43
294	216	217	US 176	collector	2108	1	12	0	1700	55	43
295	216	865	US 176	collector	4520	1	12	0	1700	45	43
296	217	216	US 176	collector	2108	1	12	0	1700	55	43
297	217	612	US 176	collector	1810	1	12	0	1750	55	43
298	218	612	US 176	collector	1543	1	12	0	1750	55	46
299	218	852	US 76	collector	1812	1	12	1	1700	50	43
300	218	936	US 76	collector	738	1	12	4	1700	50	46
301	219	220	US 76	collector	1089	1	12	1	1700	45	43
302	219	852	US 76	collector	1652	1	12	1	1700	50	43
303	220	219	US 76	collector	1089	1	12	1	1700	45	43
304	220	221	US 76	minor arterial	1523	2	12	1	1750	45	43
305	221	220	US 76	minor arterial	1523	2	12	1	1900	45	43
306	221	222	US 76	minor arterial	1075	2	12	1	1750	40	43
307	221	389	Rt 6	collector	1513	1	12	0	1700	45	43
308	222	221	US 76	minor arterial	1075	2	12	1	1750	45	43
309	222	821	US 76	minor arterial	2188	2	12	1	1900	40	43

Link #	Up-Stream Node	Down-Stream Node	Roadway Name	Roadway Type	Length (ft.)	No. of Lanes	Lane Width (ft.)	Shoulder Width (ft.)	Saturation Flow Rate	Free Flow Speed (mph)	Grid Number
310	223	821	US 76	minor arterial	1708	2	12	2	1900	40	43
311	223	854	US 76	minor arterial	602	2	12	2	1900	45	43
312	224	225	US 76	collector	3253	1	12	2	1750	45	42
313	224	717	US 76	collector	822	1	12	2	1700	45	42
314	225	224	US 76	collector	3253	1	12	2	1700	45	42
315	225	226	US 76	collector	2692	1	12	2	1750	55	42
316	226	225	US 76	collector	2688	1	12	2	1750	45	42
317	226	227	US 76	collector	4246	1	12	2	1700	60	42
318	227	226	US 76	collector	4247	1	12	1	1750	55	42
319	227	686	US 76	collector	3054	1	12	1	1750	60	41
320	228	229	US 76	collector	3234	1	12	1	1700	60	41
321	228	686	US 76	collector	2477	1	12	1	1750	60	41
322	229	228	US 76	collector	3238	1	12	1	1700	60	41
323	229	230	US 76	collector	3015	1	12	0	1750	60	34
324	230	229	US 76	collector	3015	1	12	0	1700	60	34
325	230	231	US 76	collector	4841	1	12	0	1700	55	34
326	231	230	US 76	collector	4841	1	12	0	1750	60	34
327	231	232	US 76	collector	3056	1	12	0	1700	45	34
328	232	231	US 76	collector	3056	1	12	0	1700	55	34
329	232	855	US 76	collector	861	1	12	0	1700	45	34
330	233	684	US 76	collector	1377	1	12	0	1750	55	34
331	233	855	US 76	collector	351	1	12	0	1700	45	34
332	234	684	US 76	collector	1375	1	12	0	1750	55	34
333	234	857	US 76	collector	950	1	12	0	1700	50	34

Link #	Up-Stream Node	Down-Stream Node	Roadway Name	Roadway Type	Length (ft.)	No. of Lanes	Lane Width (ft.)	Shoulder Width (ft.)	Saturation Flow Rate	Free Flow Speed (mph)	Grid Number
334	235	236	US 76	collector	6981	1	12	4	1700	60	33
335	235	857	US 76	collector	4738	1	12	0	1700	50	34
336	236	235	US 76	collector	6981	1	12	4	1700	55	33
337	236	237	US 76	collector	4406	1	12	0	1700	50	33
338	237	236	US 76	collector	4406	1	12	0	1700	60	33
339	237	238	US 76	collector	1792	1	12	1	1700	50	33
340	238	237	US 76	collector	1794	1	12	1	1700	50	33
341	238	932	US 76	collector	2203	1	12	1	1700	50	33
342	239	284	Rt 202	collector	3450	1	12	0	1700	45	33
343	239	767	US 76	collector	2908	1	12	1	1700	45	33
344	239	932	US 76	collector	330	1	12	0	1700	50	33
345	240	241	US 76	collector	8378	1	12	1	1700	55	33
346	240	767	US 76	collector	1217	1	12	1	1700	45	33
347	241	240	US 76	collector	8378	1	12	1	1700	55	33
348	241	775	US 76	collector	978	1	12	1	1700	55	33
349	242	775	US 76	collector	2803	1	12	1	1700	55	32
350	242	858	US 76	collector	5070	1	12	1	1750	55	32
351	243	244	US 76	collector	2909	1	10	0	1700	55	26
352	243	311	Rt 773	collector	1163	1	12	0	1700	50	26
353	243	858	US 76	collector	2133	1	12	1	1750	55	26
354	244	243	US 76	collector	2909	1	10	0	1750	55	26
355	244	245	US 76	collector	2018	1	12	0	1700	50	26
356	245	244	US 76	collector	2018	1	12	0	1700	50	26
357	245	861	US 76	collector	5181	1	12	0	1700	40	26
358	246	247	US 76	collector	2007	1	12	0	1700	40	32

Link #	Up-Stream Node	Down-Stream Node	Roadway Name	Roadway Type	Length (ft.)	No. of Lanes	Lane Width (ft.)	Shoulder Width (ft.)	Saturation Flow Rate	Free Flow Speed (mph)	Grid Number
359	246	860	US 76	collector	1254	1	12	0	1350	30	32
360	247	246	US 76	collector	2006	1	12	0	1700	40	32
361	247	248	US 76	collector	2544	1	12	0	1700	45	25
362	248	247	US 76	collector	2545	1	12	0	1700	40	25
363	248	249	US 76	collector	3202	1	12	0	1700	50	25
364	248	928	Rt 391	collector	1178	1	16	0	1575	35	25
365	249	248	US 76	collector	3202	1	12	0	1900	45	25
366	249	250	US 76	minor arterial	2462	2	12	0	1900	50	25
367	250	249	US 76	minor arterial	2462	2	12	0	1900	50	25
368	250	251	US 76	minor arterial	2203	2	12	0	1900	60	25
369	251	250	US 76	minor arterial	2203	2	12	0	1900	50	25
370	251	252	US 76	minor arterial	5286	2	12	0	1900	60	25
371	252	251	US 76	minor arterial	5286	2	12	0	1900	60	25
372	252	351	US 76	minor arterial	3162	2	12	0	1900	60	25
373	254	255	Rt 391	local roadway	426	1	12	0	675	15	32
374	254	927	Rt 391	local roadway	1353	1	12	0	675	15	32
375	255	256	Rt 391	collector	1968	1	12	0	1575	35	32
376	256	257	Rt 391	collector	2325	1	12	0	1700	40	32
377	257	258	Rt 391	collector	2571	1	12	0	1700	40	32

Link #	Up-Stream Node	Down-Stream Node	Roadway Name	Roadway Type	Length (ft.)	No. of Lanes	Lane Width (ft.)	Shoulder Width (ft.)	Saturation Flow Rate	Free Flow Speed (mph)	Grid Number
378	258	259	Rt 391	collector	1362	1	12	0	1700	50	32
379	259	260	Rt 391	collector	1297	1	12	0	1700	55	32
380	260	261	Rt 391	collector	1778	1	12	0	1700	55	32
381	261	718	Rt 391	collector	5224	1	12	0	1700	55	32
382	262	263	Peak St	collector	7327	1	10	0	1700	55	34
383	263	264	Peak St	collector	3499	1	10	0	1700	55	34
384	264	265	Peak St	collector	1765	1	10	0	1700	55	34
385	265	266	Peak St	collector	1606	1	10	0	1700	40	34
386	266	267	Peak St	collector	1526	1	10	0	1575	35	34
387	267	278	Columbia Ave	collector	2688	1	12	1	1700	45	34
388	267	855	Peak St	collector	739	1	12	0	1700	40	34
389	267	931	Columbia Ave	local roadway	1752	1	12	1	450	10	34
390	268	209	SR S-40-39	collector	1941	1	12	1	1700	45	35
391	268	269	SR S-40-39	collector	2316	1	12	1	1700	45	34
392	269	268	SR S-40-39	collector	2316	1	12	1	1700	45	34
393	269	270	SR S-40-39	collector	893	1	12	1	1700	50	34
394	270	269	SR S-40-39	collector	894	1	12	1	1700	50	34
395	270	930	SR S-40-39	collector	2642	1	12	1	1700	55	34
396	271	272	Columbia Ave	collector	1344	1	12	1	1750	40	34
397	271	930	Columbia Ave	collector	2576	1	12	1	1700	40	34
398	272	271	Columbia Ave	collector	1344	1	12	1	1700	40	34
399	272	273	Columbia Ave/Route 48	collector	690	1	12	1	1750	40	34

Link #	Up-Stream Node	Down-Stream Node	Roadway Name	Roadway Type	Length (ft.)	No. of Lanes	Lane Width (ft.)	Shoulder Width (ft.)	Saturation Flow Rate	Free Flow Speed (mph)	Grid Number
400	272	275	I-26 on-ramp from Columbia Ave	freeway ramp	1061	1	12	4	1700	45	34
401	273	272	Columbia Ave/Route 48	collector	690	1	12	1	1750	40	34
402	273	274	I-26 on-ramp from Columbia Ave	freeway ramp	889	1	12	4	1700	45	34
403	273	276	Columbia Ave	collector	1328	1	12	1	1700	55	34
404	274	272	I-26 off-ramp to Columbia Ave	collector	734	1	12	4	1750	45	34
405	274	275	I-26	freeway	1619	2	12	12	2250	75	34
406	274	376	I-26	freeway	6101	2	12	12	2250	75	34
407	275	273	I-26 off-ramp to Columbia Ave	collector	822	1	12	4	1750	45	34
408	275	274	I-26	freeway	1620	2	12	12	2250	75	34
409	275	375	I-26	freeway	3835	2	12	12	2250	75	34
410	276	273	Columbia Ave	collector	1328	1	12	1	1750	40	34
411	276	277	Columbia Ave	collector	2582	1	12	1	1700	45	34
412	277	276	Columbia Ave	collector	2582	1	12	1	1700	55	34
413	277	278	Columbia Ave	collector	2153	1	12	1	1700	45	34
414	278	267	Columbia Ave	collector	2688	1	12	1	1700	45	34
415	278	277	Columbia Ave	collector	2153	1	12	1	1700	45	34
416	279	280	Rt 202	collector	2570	1	12	0	1700	60	27
417	280	281	Rt 202	collector	5731	1	12	0	1700	60	27

Link #	Up-Stream Node	Down-Stream Node	Roadway Name	Roadway Type	Length (ft.)	No. of Lanes	Lane Width (ft.)	Shoulder Width (ft.)	Saturation Flow Rate	Free Flow Speed (mph)	Grid Number
418	281	282	Rt 202	collector	1692	1	12	0	1700	40	27
419	282	301	I-26 on-ramp from Rt 202	freeway ramp	1055	1	12	6	1700	45	27
420	282	877	Rt 202	collector	236	1	12	0	1700	40	27
421	283	284	Rt 202	collector	2747	1	12	0	1700	45	33
422	283	876	Rt 202	collector	2418	1	12	0	1700	40	27
423	284	239	Rt 202	collector	3449	1	12	0	1700	40	33
424	284	283	Rt 202	collector	2753	1	12	0	1700	40	33
425	285	310	Rt 773	collector	1434	1	12	0	1700	55	27
426	286	287	Rt 773	collector	2036	1	12	0	1700	45	27
427	287	288	Rt 773	collector	2754	1	12	0	1700	55	27
428	288	289	Rt 773	collector	1990	1	12	0	1700	55	27
429	289	290	Rt 773	collector	2092	1	12	0	1700	45	27
430	289	338	SR S-36-38	collector	1044	1	12	0	1700	50	27
431	290	302	Rt 773	collector	1686	1	12	0	1700	40	26
432	291	292	Rt 773	collector	2928	1	12	0	1700	60	26
433	291	303	Rt 773	collector	1057	1	12	0	1700	40	26
434	292	291	Rt 773	collector	2928	1	12	0	1700	60	26
435	292	311	Rt 773	collector	5474	1	12	0	1700	50	26
436	293	294	SR S-36-38	collector	2190	1	12	0	1700	50	26
437	294	295	SR S-36-38	collector	1969	1	12	0	1700	50	26
438	295	296	SR S-36-38	collector	2820	1	12	0	1700	50	26
439	296	339	SR S-36-38	collector	2312	1	12	0	1700	50	26
440	297	340	SR S-36-38	collector	1742	1	12	0	1700	50	26
441	298	299	I-26 on-ramp from Rt 202	freeway ramp	558	1	12	6	1350	30	27

Link #	Up-Stream Node	Down-Stream Node	Roadway Name	Roadway Type	Length (ft.)	No. of Lanes	Lane Width (ft.)	Shoulder Width (ft.)	Saturation Flow Rate	Free Flow Speed (mph)	Grid Number
442	298	876	Rt 202	collector	275	1	12	0	1700	40	27
443	298	877	Rt 202	collector	740	1	12	0	1700	40	27
444	299	300	I-26 on-ramp from Rt 202	freeway ramp	477	1	12	6	1350	30	27
445	300	301	I-26	freeway	677	2	12	12	2250	75	27
446	300	372	I-26	freeway	2232	2	12	12	2250	70	27
447	300	875	I-26 off-ramp to Rt 202	freeway ramp	413	1	12	6	1350	30	27
448	301	300	I-26	freeway	677	2	12	12	2250	75	27
449	301	371	I-26	freeway	3762	2	12	12	2250	75	27
450	301	876	I-26 off-ramp to Rt 202	freeway ramp	1327	1	12	6	1700	45	27
451	302	303	Rt 773	collector	704	1	12	2	1700	40	26
452	302	304	I-26 on-ramp from Rt 773	freeway ramp	1218	1	12	4	1700	45	26
453	303	291	Rt 773	collector	1058	1	12	0	1700	60	26
454	303	302	Rt 773	collector	704	1	12	2	1700	40	26
455	303	305	I-26 on-ramp from Rt 773	freeway ramp	935	1	12	4	1700	45	26
456	304	303	I-26 off-ramp to Rt 773	freeway ramp	888	1	12	4	1700	45	26
457	304	305	I-26	freeway	1716	2	12	12	2250	75	26
458	304	369	I-26	freeway	2910	2	12	12	2250	75	26
459	305	302	I-26 off-ramp to Rt 773	freeway ramp	615	1	12	4	1700	45	26
460	305	304	I-26	freeway	1716	2	12	12	2250	75	26
461	305	370	I-26	freeway	3048	2	12	12	2250	75	26

Link #	Up-Stream Node	Down-Stream Node	Roadway Name	Roadway Type	Length (ft.)	No. of Lanes	Lane Width (ft.)	Shoulder Width (ft.)	Saturation Flow Rate	Free Flow Speed (mph)	Grid Number
462	306	285	Rt 773	collector	1688	1	12	0	1700	50	27
463	307	196	US 176	collector	2406	1	12	1	1700	60	27
464	307	308	US 176	collector	2890	1	12	0	1700	60	19
465	308	307	US 176	collector	2890	1	12	0	1700	60	19
466	308	309	US 176	collector	4551	1	12	0	1700	60	19
467	309	308	US 176	collector	4551	1	12	0	1700	60	19
468	309	313	US 176	collector	4225	1	12	0	1700	60	18
469	309	317	Rt 219	collector	939	1	12	0	1700	50	19
470	310	286	Rt 773	collector	3167	1	12	0	1700	50	27
471	311	243	Rt 773	collector	1163	1	12	0	1750	50	26
472	311	292	Rt 773	collector	5474	1	12	0	1700	60	26
473	312	167	US 176	collector	2094	1	12	0	1750	65	18
474	312	316	US 176	collector	3652	1	12	0	1700	60	18
475	313	309	US 176	collector	4226	1	12	0	1700	60	18
476	313	314	US 176	collector	9863	1	12	0	1700	60	18
477	314	313	US 176	collector	9863	1	12	0	1700	60	18
478	314	315	US 176	collector	3275	1	12	0	1700	60	18
479	315	314	US 176	collector	3275	1	12	0	1700	60	18
480	315	316	US 176	collector	5134	1	12	0	1700	60	18
481	316	312	US 176	collector	3652	1	12	0	1700	60	18
482	316	315	US 176	collector	5134	1	12	0	1700	60	18
483	317	332	Rt 219	collector	2238	1	12	0	1700	50	18
484	318	333	Rt 219	collector	1364	1	12	0	1700	60	18
485	319	320	Rt 219	collector	7276	1	12	0	1700	60	18
486	320	334	Rt 219	collector	1319	1	12	0	1700	60	18

Link #	Up-Stream Node	Down-Stream Node	Roadway Name	Roadway Type	Length (ft.)	No. of Lanes	Lane Width (ft.)	Shoulder Width (ft.)	Saturation Flow Rate	Free Flow Speed (mph)	Grid Number
487	321	335	Rt 219	collector	1874	1	12	0	1700	60	18
488	322	323	Rt 219	minor arterial	688	2	12	0	1900	40	17
489	322	324	I-26 on-ramp from Rt 219	freeway ramp	668	1	12	4	1700	45	17
490	323	325	I-26 on-ramp from Rt 219	freeway ramp	680	1	12	4	1700	45	17
491	323	326	Rt 219	minor arterial	1320	2	12	0	1900	55	17
492	324	323	I-26 off-ramp to Rt 219	freeway ramp	589	1	12	4	1700	45	17
493	324	325	I-26	freeway	1019	2	12	12	2250	75	17
494	324	364	I-26	freeway	5039	2	12	12	2250	75	17
495	325	322	I-26 off-ramp to Rt 219	freeway ramp	514	1	12	4	1700	45	17
496	325	324	I-26	freeway	1019	2	12	12	2250	75	17
497	325	365	I-26	freeway	2170	2	12	12	2250	75	17
498	326	327	Rt 219	minor arterial	3340	2	12	0	1900	55	17
499	327	328	Rt 219	minor arterial	2143	2	12	0	1900	55	17
500	328	329	Rt 219	minor arterial	1867	2	12	0	1900	55	17
501	329	330	Rt 219	minor arterial	1314	2	12	0	1900	40	17
502	330	331	Rt 219	minor arterial	1251	2	12	0	1750	40	17

Link #	Up-Stream Node	Down-Stream Node	Roadway Name	Roadway Type	Length (ft.)	No. of Lanes	Lane Width (ft.)	Shoulder Width (ft.)	Saturation Flow Rate	Free Flow Speed (mph)	Grid Number
503	331	843	Rt 219	minor arterial	4003	2	12	0	1750	45	17
504	332	318	Rt 219	collector	5667	1	12	0	1700	55	18
505	333	319	Rt 219	collector	1551	1	12	0	1700	60	18
506	334	321	Rt 219	collector	1682	1	12	0	1700	60	18
507	335	336	Rt 219	collector	1332	1	12	0	1700	60	18
508	336	337	Rt 219	collector	2588	1	12	0	1700	50	18
509	337	322	Rt 219	minor arterial	2945	2	12	0	1900	40	17
510	338	293	SR S-36-38	collector	3210	1	12	0	1700	50	26
511	339	297	SR S-36-38	collector	5128	1	12	0	1700	50	26
512	340	341	SR S-36-38	collector	2376	1	12	0	1700	50	26
513	341	342	SR S-36-38	collector	2561	1	12	0	1700	50	26
514	342	343	SR S-36-38	collector	1714	1	12	0	1700	50	26
515	343	344	SR S-36-38	collector	1398	1	12	0	1700	50	25
516	344	345	SR S-36-38	collector	3696	1	12	0	1700	50	25
517	345	346	SR S-36-38	collector	2692	1	12	0	1700	50	25
518	346	347	SR S-36-38	collector	3405	1	12	0	1700	50	25
519	347	348	SR S-36-38	collector	2332	1	12	0	1700	50	25
520	348	349	SR S-36-38	collector	2285	1	12	0	1700	50	25
521	349	350	SR S-36-38	collector	1067	1	12	0	1700	50	25
522	350	351	US 76	minor arterial	5277	2	12	0	1900	60	25
523	350	879	US 76	minor arterial	2732	2	12	0	1900	45	25
524	351	252	US 76	minor arterial	3162	2	12	0	1900	60	25

Link #	Up-Stream Node	Down-Stream Node	Roadway Name	Roadway Type	Length (ft.)	No. of Lanes	Lane Width (ft.)	Shoulder Width (ft.)	Saturation Flow Rate	Free Flow Speed (mph)	Grid Number
525	351	350	US 76	minor arterial	5277	2	12	0	1900	60	25
526	352	353	Rt 34	collector	2685	1	12	0	1700	55	18
527	353	354	Rt 34	collector	4497	1	12	0	1700	55	17
528	354	355	Rt 34	collector	3349	1	12	0	1700	55	17
529	355	356	Rt 34	collector	1438	1	12	0	1700	55	17
530	356	357	Rt 34	collector	3142	1	12	0	1700	55	17
531	357	358	Rt 34	collector	2642	1	12	0	1700	55	17
532	358	359	Rt 34	collector	646	1	12	0	1700	55	17
533	358	361	I-26 on-ramp from Rt 34	freeway ramp	741	1	12	4	1700	45	17
534	359	360	I-26 on-ramp from Rt 34	freeway ramp	665	1	12	4	1700	45	17
535	359	362	Rt 34	collector	3389	1	12	0	1700	55	17
536	360	358	I-26 off-ramp to Rt 34	freeway ramp	548	1	12	4	1700	45	17
537	360	361	I-26	freeway	1112	2	12	12	2250	70	17
538	360	364	I-26	freeway	4783	2	12	12	2250	75	17
539	361	359	I-26 off-ramp to Rt 34	freeway ramp	607	1	12	4	1700	45	17
540	361	360	I-26	freeway	1112	2	12	12	2250	75	17
541	361	363	I-26	freeway	1414	2	12	12	2250	75	17
542	362	921	Rt 34	collector	7316	1	12	0	1750	45	17
543	363	361	I-26	freeway	1414	2	12	12	2250	75	17
544	364	324	I-26	freeway	5039	2	12	12	2250	75	17
545	364	360	I-26	freeway	4783	2	12	12	2250	75	17
546	365	325	I-26	freeway	2170	2	12	12	2250	75	17

Link #	Up-Stream Node	Down-Stream Node	Roadway Name	Roadway Type	Length (ft.)	No. of Lanes	Lane Width (ft.)	Shoulder Width (ft.)	Saturation Flow Rate	Free Flow Speed (mph)	Grid Number
547	365	366	I-26	freeway	6190	2	12	12	2250	75	17
548	366	365	I-26	freeway	6190	2	12	12	2250	75	17
549	366	367	I-26	freeway	2238	2	12	12	2250	75	26
550	367	366	I-26	freeway	2238	2	12	12	2250	75	26
551	367	368	I-26	freeway	7981	2	12	12	2250	75	26
552	368	367	I-26	freeway	7981	2	12	12	2250	75	26
553	368	369	I-26	freeway	9783	2	12	12	2250	75	26
554	369	304	I-26	freeway	2910	2	12	12	2250	75	26
555	369	368	I-26	freeway	9783	2	12	12	2250	75	26
556	370	305	I-26	freeway	3048	2	12	12	2250	75	26
557	370	371	I-26	freeway	8105	2	12	12	2250	75	27
558	371	301	I-26	freeway	3762	2	12	12	2250	75	27
559	371	370	I-26	freeway	8105	2	12	12	2250	75	27
560	372	300	I-26	freeway	2232	2	12	12	2250	75	27
561	372	373	I-26	freeway	9958	2	12	12	2250	75	27
562	373	372	I-26	freeway	9958	2	12	12	2250	75	27
563	373	374	I-26	freeway	8796	2	12	12	2250	75	34
564	374	373	I-26	freeway	8796	2	12	12	2250	75	34
565	374	375	I-26	freeway	5481	2	12	12	2250	75	34
566	375	275	I-26	freeway	3835	2	12	12	2250	75	34
567	375	374	I-26	freeway	5481	2	12	12	2250	75	34
568	376	274	I-26	freeway	6101	2	12	12	2250	75	34
569	376	377	I-26	freeway	9476	2	12	12	2250	75	34
570	377	376	I-26	freeway	9476	2	12	12	2250	75	34
571	377	378	I-26	freeway	8550	2	12	12	2250	75	35

Link #	Up-Stream Node	Down-Stream Node	Roadway Name	Roadway Type	Length (ft.)	No. of Lanes	Lane Width (ft.)	Shoulder Width (ft.)	Saturation Flow Rate	Free Flow Speed (mph)	Grid Number
572	378	377	I-26	freeway	8550	2	12	12	2250	75	35
573	378	864	I-26	freeway	2636	2	12	12	2250	75	35
574	379	385	I-26	freeway	631	2	12	12	2250	75	43
575	379	864	I-26	freeway	303	2	12	12	2250	75	43
576	380	381	I-26 on-ramp to US176	freeway ramp	511	1	12	8	1350	30	43
577	381	379	I-26 on-ramp to US176	freeway ramp	420	1	12	8	1350	30	43
578	382	213	US 176	collector	1907	1	12	0	1750	45	35
579	382	214	US 176	collector	597	1	12	0	1750	45	35
580	383	384	I-26 on-ramp to US176	freeway ramp	654	1	12	8	1350	30	43
581	384	385	I-26 on-ramp to US176	freeway ramp	419	1	12	8	1350	30	43
582	385	379	I-26	freeway	631	2	12	12	2250	75	43
583	385	866	I-26	freeway	358	2	12	12	2250	75	43
584	386	387	I-26	freeway	9557	2	12	12	2250	75	46
585	386	866	I-26	freeway	8988	2	12	12	2250	75	43
586	387	386	I-26	freeway	9557	2	12	12	2250	75	46
587	387	388	I-26	freeway	6112	2	12	12	2250	75	48
588	388	387	I-26	freeway	6112	2	12	12	2250	75	48
589	388	871	I-26	freeway	389	3	12	12	2250	75	49
590	388	935	I-26 off-ramp to US 76	freeway ramp	645	1	12	4	1700	45	49
591	389	390	Rt 6	collector	4546	1	12	0	1700	45	43
592	390	391	Rt 6	collector	5821	1	12	0	1700	45	45
593	392	393	US 76	collector	1284	1	12	1	1750	45	48

Link #	Up-Stream Node	Down-Stream Node	Roadway Name	Roadway Type	Length (ft.)	No. of Lanes	Lane Width (ft.)	Shoulder Width (ft.)	Saturation Flow Rate	Free Flow Speed (mph)	Grid Number
594	392	630	US 76	collector	4617	1	12	1	1750	50	46
595	393	392	US 76	collector	1284	1	12	1	1700	55	48
596	393	394	US 76	collector	3952	1	12	1	1700	55	48
597	393	395	N Woodrow St	collector	3666	1	12	0	1700	45	48
598	394	393	US 76	collector	3952	1	12	1	1750	45	48
599	394	935	US 76	minor arterial	1229	2	12	1	1900	55	48
600	396	167	US 176	collector	3267	1	12	0	1750	65	11
601	396	397	US 176	collector	7534	1	12	0	1700	65	11
602	397	396	US 176	collector	7545	1	12	0	1700	65	11
603	397	398	US 176	collector	8575	1	12	0	1700	60	10
604	398	397	US 176	collector	8575	1	12	0	1700	65	10
605	398	399	US 176	collector	7638	1	12	0	1700	55	10
606	399	398	US 176	collector	7638	1	12	0	1700	60	10
607	399	400	US 176	collector	3510	1	12	0	1700	60	10
608	400	399	US 176	collector	3510	1	12	0	1700	55	10
609	400	401	US 121	collector	3446	1	12	0	1700	60	4
610	401	400	US 121	collector	3446	1	12	0	1700	60	4
611	402	159	Mt. Pleasant Rd	collector	3915	1	11	0	1750	50	12
612	402	403	Mt. Pleasant Rd	collector	2459	1	11	0	1700	50	12
613	403	402	Mt. Pleasant Rd	collector	2459	1	11	0	1700	50	12
614	403	404	Mt. Pleasant Rd	collector	2566	1	11	0	1700	55	12

Link #	Up-Stream Node	Down-Stream Node	Roadway Name	Roadway Type	Length (ft.)	No. of Lanes	Lane Width (ft.)	Shoulder Width (ft.)	Saturation Flow Rate	Free Flow Speed (mph)	Grid Number
615	404	403	Mt. Pleasant Rd	collector	2565	1	11	0	1700	50	12
616	404	405	SR S-36-55	collector	4201	1	11	0	1700	50	12
617	405	406	SR S-36-55	collector	2963	1	11	0	1700	55	12
618	406	407	SR S-36-55	collector	3325	1	11	0	1700	55	11
619	407	408	SR S-36-45	collector	5180	1	12	0	1700	55	11
620	408	409	SR S-36-45	collector	1733	1	12	0	1700	50	5
621	409	410	SR S-36-45	collector	1653	1	12	0	1700	50	5
622	410	411	SR S-36-45	collector	1601	1	12	0	1700	50	5
623	411	412	SR S-36-45	collector	4293	1	12	0	1700	50	5
624	412	413	SR S-36-45	collector	1613	1	12	0	1700	50	5
625	413	414	SR S-36-45	collector	2167	1	12	0	1700	50	5
626	414	415	SR S-36-45	collector	2586	1	12	0	1700	45	5
627	415	416	SR S-36-45	collector	2400	1	12	0	1700	45	5
628	416	417	SR S-36-45	collector	1441	1	12	0	1700	45	5
629	416	421	Tyger River Rd	collector	1198	1	12	0	1700	45	5
630	417	418	SR S-36-45	collector	1629	1	12	0	1700	45	5
631	418	419	SR S-36-45	collector	2498	1	12	0	1700	45	5
632	419	420	SR S-36-45	collector	972	1	12	0	1700	45	5
633	420	425	SR S-36-45	collector	1149	1	12	0	1700	45	5
634	420	427	Rt 66	collector	1959	1	12	0	1700	45	5
635	421	422	Tyger River Rd	collector	2541	1	12	0	1700	45	5
636	422	423	Tyger River Rd	collector	5948	1	12	0	1700	45	1
637	424	404	Old Blair Rd	collector	1394	1	11	0	1700	40	12
638	425	426	SR S-36-45	collector	2036	1	12	0	1700	45	5
639	427	428	Rt 66	collector	760	1	12	0	1700	45	5

Link #	Up-Stream Node	Down-Stream Node	Roadway Name	Roadway Type	Length (ft.)	No. of Lanes	Lane Width (ft.)	Shoulder Width (ft.)	Saturation Flow Rate	Free Flow Speed (mph)	Grid Number
640	428	429	Rt 66	collector	5896	1	12	0	1700	50	5
641	429	430	Rt 66	collector	2193	1	12	0	1700	50	5
642	430	431	Rt 66	collector	3989	1	12	0	1700	50	5
643	431	432	Rt 66	collector	1095	1	12	0	1700	50	5
644	432	433	Rt 66	collector	1889	1	12	0	1700	50	5
645	433	434	Rt 66	collector	1142	1	12	0	1700	50	5
646	434	435	Rt 66	collector	1832	1	12	0	1700	50	5
647	435	436	Rt 66	collector	1822	1	12	0	1700	50	5
648	436	437	Rt 66	collector	2143	1	12	0	1700	50	11
649	437	438	Rt 66	collector	1212	1	12	0	1700	50	4
650	438	439	Rt 66	collector	1563	1	12	0	1700	50	4
651	439	440	Rt 66	collector	6213	1	12	0	1700	55	4
652	440	399	Rt 66	collector	3326	1	12	0	1700	45	10
653	441	165	SR S-36-55	collector	3058	1	12	0	1500	40	11
654	442	203	R Stoudemayer Rd	collector	977	1	12	0	1700	40	34
655	443	442	R Stoudemayer Rd	collector	1832	1	12	0	1700	55	28
656	444	443	R Stoudemayer Rd	collector	3585	1	12	0	1700	40	28
657	445	444	R Stoudemayer Rd	collector	2719	1	12	0	1700	40	28
658	446	447	US 321	minor arterial	818	2	12	0	1900	45	16
659	446	451	US 321	minor arterial	2643	2	12	0	1900	45	16

Link #	Up-Stream Node	Down-Stream Node	Roadway Name	Roadway Type	Length (ft.)	No. of Lanes	Lane Width (ft.)	Shoulder Width (ft.)	Saturation Flow Rate	Free Flow Speed (mph)	Grid Number
660	446	828	W Moultrie St	minor arterial	2092	2	12	0	1900	40	16
661	447	446	US 321	major arterial	818	3	12	0	1750	45	16
662	447	449	US 321	minor arterial	1999	2	12	0	1900	45	16
663	448	449	US 321	minor arterial	1753	2	12	0	1900	45	16
664	448	450	US 321	minor arterial	4445	2	12	0	1900	45	16
665	449	447	US 321	minor arterial	1999	2	12	0	1900	45	16
666	449	448	US 321	minor arterial	1756	2	12	0	1750	45	16
667	450	57	US 321	minor arterial	935	2	12	0	1750	45	16
668	450	448	US 321	minor arterial	4445	2	12	0	1750	45	16
669	451	138	US 321	collector	5077	1	12	0	1750	45	16
670	451	446	US 321	minor arterial	2643	2	12	0	1750	45	16
671	452	57	US 321 BUS	minor arterial	210	2	12	0	1750	35	16
672	452	453	US 321 BUS	collector	2493	1	12	0	1575	35	16
673	453	452	US 321 BUS	collector	2493	2	12	0	1575	35	16
674	453	454	US 321 BUS	collector	1710	1	12	0	1575	35	16
675	454	453	US 321 BUS	collector	1710	1	12	0	1575	35	16
676	454	455	US 321 BUS	collector	3196	1	12	0	1575	35	16

Link #	Up-Stream Node	Down-Stream Node	Roadway Name	Roadway Type	Length (ft.)	No. of Lanes	Lane Width (ft.)	Shoulder Width (ft.)	Saturation Flow Rate	Free Flow Speed (mph)	Grid Number
677	455	454	US 321 BUS	collector	3196	1	12	0	1575	35	16
678	455	456	US 321 BUS	collector	1554	1	12	0	1700	40	16
679	456	455	US 321 BUS	collector	1554	1	12	0	1700	40	16
680	456	457	US 321 BUS	minor arterial	2122	2	12	0	1750	25	16
681	457	456	US 321 BUS	minor arterial	2122	2	12	0	1900	40	16
682	457	458	US 321 BUS	minor arterial	715	2	12	0	1750	25	16
683	458	457	US 321 BUS	minor arterial	715	2	12	0	1750	25	16
684	458	459	US 321 BUS	minor arterial	683	2	12	0	1750	25	16
685	459	458	US 321 BUS	minor arterial	683	2	12	0	1750	25	16
686	459	460	US 321 BUS	minor arterial	973	2	12	0	1750	25	16
687	460	459	US 321 BUS	minor arterial	973	2	12	0	1750	25	16
688	460	461	US 321 BUS	minor arterial	1400	2	12	0	1900	40	16
689	461	460	US 321 BUS	minor arterial	1400	2	12	0	1750	25	16
690	461	462	US 321 BUS	minor arterial	1515	2	12	0	1900	45	16
691	462	140	US 321 BUS	minor arterial	724	2	12	0	1900	60	16

Link #	Up-Stream Node	Down-Stream Node	Roadway Name	Roadway Type	Length (ft.)	No. of Lanes	Lane Width (ft.)	Shoulder Width (ft.)	Saturation Flow Rate	Free Flow Speed (mph)	Grid Number
692	462	461	US 321 BUS	minor arterial	1515	2	12	0	1900	40	16
693	463	138	US 321	collector	4075	1	12	0	1750	45	16
694	463	464	US 321 BUS	collector	3464	1	12	0	1700	60	16
695	463	465	US 321	collector	1349	1	12	0	1700	60	16
696	464	140	US 321 BUS	collector	1882	1	12	0	1700	60	16
697	464	463	US 321 BUS	collector	3464	1	12	0	1700	45	16
698	465	463	US 321	minor arterial	1348	2	12	0	1900	45	16
699	465	466	US 321	collector	4687	1	12	0	1700	60	9
700	466	465	US 321	collector	4688	1	12	0	1700	60	9
701	466	467	US 321	collector	4950	1	12	0	1700	60	9
702	467	466	US 321	collector	4950	1	12	0	1700	60	9
703	467	468	US 321	collector	1715	1	12	0	1700	60	9
704	468	467	US 321	collector	1715	1	12	0	1700	60	9
705	468	469	US 321	collector	2056	1	12	0	1700	60	9
706	469	468	US 321	collector	2056	1	12	0	1700	60	9
707	469	470	US 321	collector	3524	1	12	0	1700	60	9
708	470	469	US 321	collector	3524	1	12	0	1700	60	9
709	471	169	S Lake Access Rd	minor arterial	3972	2	12	0	1750	40	28
710	472	17	Glenns Bridge Rd	collector	909	1	12	0	1750	45	29
711	473	472	Glenns Bridge Rd	collector	1202	1	12	0	1700	45	29
712	474	473	Glenns Bridge Rd	collector	1223	1	12	0	1700	45	29

Link #	Up-Stream Node	Down-Stream Node	Roadway Name	Roadway Type	Length (ft.)	No. of Lanes	Lane Width (ft.)	Shoulder Width (ft.)	Saturation Flow Rate	Free Flow Speed (mph)	Grid Number
713	475	474	Glenns Bridge Rd	collector	6123	1	12	0	1700	45	29
714	476	475	Glenns Bridge Rd	collector	2188	1	12	0	1700	45	29
715	476	477	Glenns Bridge Rd	collector	3046	1	12	0	1700	45	30
716	476	497	Estes Ln	collector	6302	1	12	0	1700	45	30
717	477	478	Glenns Bridge Rd	collector	4243	1	12	0	1700	45	30
718	478	479	Glenns Bridge Rd	collector	5266	1	12	0	1700	45	22
719	479	480	SR S-20-48	collector	594	1	12	0	1700	45	22
720	479	496	SR S-20-48	collector	5889	1	12	0	1700	45	22
721	480	481	SR S-20-48	collector	7489	1	12	0	1700	45	22
722	481	482	SR S-20-48	collector	3669	1	12	0	1700	45	21
723	482	483	Reservoir Rd	collector	3767	1	12	0	1700	45	21
724	483	484	Reservoir Rd	collector	1467	1	12	0	1700	45	22
725	484	485	Reservoir Rd	collector	3994	1	12	0	1700	45	22
726	485	486	Reservoir Rd	collector	1592	1	12	0	1700	45	22
727	486	487	Reservoir Rd	collector	1156	1	12	0	1700	45	22
728	487	488	Reservoir Rd	collector	2377	1	12	0	1700	45	22
729	488	489	Reservoir Rd	collector	4116	1	12	0	1700	45	22
730	488	492	SR S-20-54	collector	2471	1	12	0	1700	45	22
731	489	490	Reservoir Rd	collector	4647	1	12	0	1700	45	22
732	490	491	Reservoir Rd	collector	3466	1	12	0	1700	55	22
733	491	495	Reservoir Rd	collector	5783	1	12	0	1700	55	22
734	492	493	SR S-20-54	collector	6609	1	12	0	1700	60	22

Link #	Up-Stream Node	Down-Stream Node	Roadway Name	Roadway Type	Length (ft.)	No. of Lanes	Lane Width (ft.)	Shoulder Width (ft.)	Saturation Flow Rate	Free Flow Speed (mph)	Grid Number
735	493	494	SR S-20-54	collector	2782	1	12	0	1700	60	15
736	494	46	SR S-20-54	collector	1897	1	12	0	1700	60	15
737	495	52	Reservoir Rd	collector	2684	1	12	0	1700	50	23
738	496	665	SR S-20-221	collector	1575	1	12	0	1700	45	30
739	497	669	Estes Ln	collector	3526	1	12	0	1700	45	30
740	498	499	SR S-20-347	collector	2343	1	12	0	1700	40	13
741	498	520	Pearson Rd	collector	1127	1	12	0	1700	50	13
742	499	519	SR S-20-347	collector	871	1	12	0	1700	40	13
743	500	501	Meadowlake Rd	collector	976	1	12	0	1700	40	13
744	500	505	SR S-20-347	collector	2401	1	12	0	1700	55	13
745	501	502	Meadowlake Rd	collector	1180	1	12	0	1700	40	13
746	502	503	Meadowlake Rd	collector	1894	1	12	0	1700	40	13
747	503	504	Meadowlake Rd	collector	5246	1	12	0	1700	40	13
748	504	93	Meadowlake Rd	collector	889	1	12	0	1700	40	14
749	505	506	SR S-20-347	collector	1839	1	12	0	1700	55	13
750	506	507	SR S-20-347	collector	1990	1	12	0	1700	55	13
751	507	508	SR S-20-347	collector	4956	1	12	0	1700	55	13
752	508	96	SR S-20-347	collector	761	1	12	0	1700	55	14
753	509	498	Pearson Rd	collector	1357	1	12	0	1700	40	13
754	510	509	Pearson Rd	collector	1773	1	12	0	1700	40	13
755	511	516	SR S-20-257	collector	844	1	12	0	1700	40	13
756	512	511	SR S-20-257	collector	2240	1	12	0	1700	40	13

Link #	Up-Stream Node	Down-Stream Node	Roadway Name	Roadway Type	Length (ft.)	No. of Lanes	Lane Width (ft.)	Shoulder Width (ft.)	Saturation Flow Rate	Free Flow Speed (mph)	Grid Number
757	513	512	SR S-20-257	collector	1176	1	12	0	1700	40	13
758	514	513	SR S-20-257	collector	2000	1	12	0	1700	40	20
759	515	514	Unnamed Road	collector	2541	1	12	0	1700	40	20
760	516	517	SR S-20-257	collector	1103	1	12	0	1700	40	13
761	517	518	SR S-20-257	collector	1725	1	12	0	1700	40	13
762	518	510	SR S-20-257	collector	2086	1	12	0	1700	40	13
763	519	500	SR S-20-347	collector	1022	1	12	0	1700	40	13
764	520	521	Pearson Rd	collector	1284	1	12	0	1700	50	13
765	521	522	Pearson Rd	collector	1427	1	12	0	1700	55	13
766	522	523	Pearson Rd	collector	899	1	12	0	1700	50	13
767	523	524	Pearson Rd	collector	3696	1	12	0	1700	50	13
768	524	525	Pearson Rd	collector	1526	1	12	0	1700	50	13
769	525	526	Pearson Rd	collector	1387	1	12	0	1700	50	13
770	526	527	Pearson Rd	collector	1947	1	12	0	1700	50	13
771	527	528	Pearson Rd	collector	2435	1	12	0	1700	50	6
772	528	151	Pearson Rd	collector	654	1	12	0	1700	50	6
773	529	527	Strother Rd	collector	534	1	12	0	1700	55	13
774	530	529	Strother Rd	collector	822	1	12	0	1700	55	13
775	531	530	Strother Rd	collector	1900	1	12	0	1700	55	13
776	532	534	SR S-35-9734	collector	2373	1	12	0	1700	50	19
777	532	539	SR S-36-272	collector	4512	1	12	0	1700	50	19
778	533	532	SR S-35-9734	collector	2207	1	12	0	1700	50	19
779	534	535	SR S-35-9734	collector	2730	1	12	0	1700	50	19
780	535	536	New Hope Rd	collector	1811	1	12	0	1700	50	19
781	536	537	SR S-35-9734	collector	3565	1	12	0	1700	50	19

Link #	Up-Stream Node	Down-Stream Node	Roadway Name	Roadway Type	Length (ft.)	No. of Lanes	Lane Width (ft.)	Shoulder Width (ft.)	Saturation Flow Rate	Free Flow Speed (mph)	Grid Number
782	537	308	SR S-35-9734	collector	1782	1	12	0	1700	50	19
783	538	536	Hughey Ferry Rd	collector	6117	1	12	0	1700	50	19
784	539	540	SR S-36-272	collector	5193	1	12	0	1700	50	19
785	540	541	SR S-36-272	collector	1966	1	12	0	1700	50	19
786	541	542	SR S-36-272	collector	1665	1	12	0	1700	50	19
787	542	543	SR S-36-272	collector	1671	1	12	0	1700	50	12
788	543	544	SR S-36-272	collector	4143	1	12	0	1700	50	12
789	544	545	SR S-36-272	collector	4109	1	12	0	1700	50	12
790	545	162	Rt 34	collector	2892	1	12	0	1700	60	11
791	546	547	Kincaid Bridge Rd	collector	7649	1	12	1	1700	60	15
792	547	548	Kincaid Bridge Rd	collector	1616	1	12	1	1700	50	16
793	548	549	Kincaid Bridge Rd	collector	3003	1	12	1	1700	40	16
794	549	446	Kincaid Bridge Rd	collector	2290	1	12	1	1750	45	16
795	550	53	Pumphouse Rd	collector	1781	1	12	0	1700	45	16
796	550	551	Pumphouse Rd	collector	725	1	12	0	1700	45	16
797	551	552	Pumphouse Rd	collector	2554	1	12	0	1700	45	16
798	552	553	Pumphouse Rd	collector	1606	1	12	0	1700	45	16
799	553	554	Pumphouse Rd	collector	1381	1	12	0	1700	45	16
800	554	447	Pumphouse Rd	collector	2750	1	12	0	1700	45	16
801	555	469	SR S-20-38	collector	2649	1	12	0	1700	45	9
802	556	555	SR S-20-38	collector	2300	1	12	0	1700	45	8
803	557	558	SR S-20-38	collector	1922	1	12	0	1700	45	8

Link #	Up-Stream Node	Down-Stream Node	Roadway Name	Roadway Type	Length (ft.)	No. of Lanes	Lane Width (ft.)	Shoulder Width (ft.)	Saturation Flow Rate	Free Flow Speed (mph)	Grid Number
804	558	559	SR S-20-38	collector	2004	1	12	0	1700	45	8
805	559	560	SR S-20-38	collector	2352	1	12	0	1700	45	8
806	560	561	SR S-20-38	collector	1784	1	12	0	1700	45	8
807	561	556	SR S-20-38	collector	1376	1	12	0	1700	45	8
808	562	563	Old Douglass Rd	collector	3240	1	12	0	1700	60	7
809	562	584	SR S-20-402	collector	826	1	12	0	1700	60	7
810	563	564	Old Douglass Rd	collector	1574	1	12	0	1700	60	7
811	564	565	Old Douglass Rd	collector	1318	1	12	0	1700	60	7
812	565	566	Old Douglass Rd	collector	1449	1	12	0	1700	60	7
813	566	567	Old Douglass Rd	collector	1266	1	12	0	1700	60	7
814	567	568	Old Douglass Rd	collector	1998	1	12	0	1700	60	7
815	568	569	Old Douglass Rd	collector	1977	1	12	0	1700	60	7
816	569	570	Old Douglass Rd	collector	2989	1	12	0	1700	60	8
817	570	571	Old Douglass Rd	collector	2499	1	12	0	1700	60	8
818	571	572	Old Douglass Rd	collector	1113	1	12	0	1700	60	8
819	572	573	Old Douglass Rd	collector	3378	1	12	0	1700	60	8

Link #	Up-Stream Node	Down-Stream Node	Roadway Name	Roadway Type	Length (ft.)	No. of Lanes	Lane Width (ft.)	Shoulder Width (ft.)	Saturation Flow Rate	Free Flow Speed (mph)	Grid Number
820	573	574	Old Douglass Rd	collector	4286	1	12	0	1700	60	8
821	574	128	Old Douglass Rd	collector	2053	1	12	0	1700	60	8
822	575	562	Old Douglass Rd	collector	4624	1	12	0	1700	60	7
823	576	575	Old Douglass Rd	collector	5958	1	12	0	1700	60	3
824	577	576	Old Douglass Rd	collector	982	1	12	0	1700	60	3
825	578	577	Old Douglass Rd	collector	1023	1	12	0	1700	60	3
826	579	578	Old Douglass Rd	collector	847	1	12	0	1700	60	3
827	580	579	Old Douglass Rd	collector	1048	1	12	0	1700	60	3
828	581	580	Old Douglass Rd	collector	1743	1	12	0	1700	60	3
829	582	581	Old Douglass Rd	collector	1104	1	12	0	1700	60	3
830	583	582	Old Douglass Rd	collector	2567	1	12	0	1700	60	3
831	584	585	SR S-20-402	collector	910	1	12	0	1700	60	7
832	585	586	SR S-20-402	collector	2677	1	12	0	1700	60	7
833	586	587	SR S-20-402	collector	1988	1	12	0	1700	60	7
834	587	588	SR S-20-402	collector	807	1	12	0	1700	60	7
835	588	589	SR S-20-402	collector	1295	1	12	0	1700	60	7
836	589	590	SR S-20-402	collector	1548	1	12	0	1700	60	7

Link #	Up-Stream Node	Down-Stream Node	Roadway Name	Roadway Type	Length (ft.)	No. of Lanes	Lane Width (ft.)	Shoulder Width (ft.)	Saturation Flow Rate	Free Flow Speed (mph)	Grid Number
837	590	591	SR S-20-402	collector	911	1	12	0	1700	60	7
838	591	592	SR S-20-402	collector	1964	1	12	0	1700	60	7
839	592	593	SR S-20-402	collector	1136	1	12	0	1700	60	7
840	593	594	SR S-20-402	collector	2812	1	12	0	1700	60	6
841	594	102	Ashford Ferry Rd	collector	775	1	12	0	1700	40	6
842	595	594	Ashford Ferry Rd	collector	4831	1	12	0	1700	60	6
843	596	595	Ashford Ferry Rd	collector	3277	1	12	0	1700	60	7
844	597	596	Ashford Ferry Rd	collector	4684	1	12	0	1700	60	3
845	598	597	Ashford Ferry Rd	collector	7322	1	12	0	1700	60	3
846	599	204	SR S-40-698	collector	1683	1	12	0	1700	40	34
847	600	599	SR S-40-698	collector	1113	1	12	0	1700	40	34
848	601	600	SR S-40-698	collector	2549	1	12	0	1700	40	34
849	602	601	Burdell Fuller Rd	collector	3387	1	12	0	1700	40	29
850	603	207	SR S-40-592	collector	2656	1	12	0	1700	40	35
851	604	603	SR S-40-592	collector	2151	1	12	0	1700	40	35
852	605	210	US 176	collector	2520	1	12	0	1700	45	35
853	605	211	US 176	collector	1706	1	12	0	1700	45	35
854	606	605	SR S-40-234	collector	3134	1	12	0	1700	40	35
855	607	606	SR S-40-234	collector	2644	1	12	0	1700	40	35
856	608	607	SR S-40-234	collector	2753	1	12	0	1700	40	35
857	609	608	SR S-40-234	collector	2574	1	12	0	1700	40	35

Link #	Up-Stream Node	Down-Stream Node	Roadway Name	Roadway Type	Length (ft.)	No. of Lanes	Lane Width (ft.)	Shoulder Width (ft.)	Saturation Flow Rate	Free Flow Speed (mph)	Grid Number
858	610	609	SR S-40-234	collector	3445	1	12	0	1700	40	35
859	610	611	SR S-40-234	collector	2391	1	12	0	1700	40	35
860	611	620	Rt 80	collector	1953	1	12	0	1700	40	35
861	612	217	US 176	collector	1810	1	12	0	1700	55	43
862	612	218	US 176	collector	1543	1	12	0	1750	50	46
863	613	612	Rt 80	collector	1168	1	12	0	1750	40	46
864	614	613	Rt 80	collector	1843	1	12	0	1700	40	46
865	615	614	Rt 80	collector	4635	1	12	0	1700	40	46
866	616	615	Rt 80	collector	1319	1	12	0	1750	40	36
867	617	616	Rt 80	collector	2804	1	12	0	1700	40	36
868	618	617	Rt 80	collector	4419	1	12	0	1700	40	36
869	619	618	Rt 80	collector	2945	1	12	0	1700	40	36
870	619	637	Kennerly Rd	collector	1419	1	12	0	1700	40	36
871	620	621	Rt 80	collector	3417	1	12	0	1700	40	35
872	621	622	Rt 80	collector	3639	1	12	0	1700	40	35
873	622	623	Rt 80	collector	1663	1	12	0	1700	40	35
874	623	624	Rt 80	collector	1026	1	12	0	1700	40	36
875	624	625	Rt 80	collector	1288	1	12	0	1700	40	36
876	625	626	SR S-40-612	collector	3712	1	12	0	1700	40	35
877	625	628	Rt 80	collector	1570	1	12	0	1700	40	36
878	626	627	SR S-40-612	collector	2904	1	12	0	1700	40	35
879	627	213	SR S-40-612	collector	2534	1	12	0	1750	40	35
880	628	629	Rt 80	collector	1446	1	12	0	1700	40	36
881	629	615	Rt 80	collector	934	1	12	0	1750	40	36
882	630	392	US 76	collector	4617	1	12	1	1700	55	46

Link #	Up-Stream Node	Down-Stream Node	Roadway Name	Roadway Type	Length (ft.)	No. of Lanes	Lane Width (ft.)	Shoulder Width (ft.)	Saturation Flow Rate	Free Flow Speed (mph)	Grid Number
883	630	936	US 76	collector	2607	1	12	4	1700	50	46
884	631	630	Koon Rd	collector	3621	1	12	0	1750	40	46
885	632	631	Coogler Rd	collector	3569	1	12	0	1700	40	46
886	633	632	Coogler Rd	collector	2296	1	12	0	1700	40	47
887	634	633	Kennerly Rd	collector	3654	1	12	0	1700	40	47
888	635	634	Kennerly Rd	collector	2148	1	12	0	1700	40	47
889	636	635	Kennerly Rd	collector	839	1	12	0	1700	40	47
890	637	619	Kennerly Rd	collector	1418	1	12	0	1750	40	36
891	637	636	Kennerly Rd	collector	3451	1	12	0	1700	40	36
892	638	633	Kennerly Rd	collector	1732	1	12	0	1700	40	47
893	639	68	W Peach Rd	collector	1566	1	12	0	1700	45	31
894	640	639	W Peach Rd	collector	2611	1	12	0	1700	45	23
895	641	640	W Peach Rd	collector	1865	1	12	0	1700	45	23
896	642	641	W Peach Rd	collector	4074	1	12	0	1700	45	23
897	642	653	Greenbrier Mossydale Rd	collector	1458	1	12	0	1700	45	23
898	643	642	Greenbrier Mossydale Rd	collector	1539	1	12	0	1700	45	23
899	644	643	Greenbrier Mossydale Rd	collector	4046	1	12	0	1700	45	23
900	645	644	Greenbrier Mossydale Rd	collector	4176	1	12	0	1700	45	31
901	646	645	Greenbrier Mossydale Rd	collector	4800	1	12	0	1700	45	31
902	646	649	Greenbrier Mossydale Rd	collector	1150	1	12	0	1700	45	31

Link #	Up-Stream Node	Down-Stream Node	Roadway Name	Roadway Type	Length (ft.)	No. of Lanes	Lane Width (ft.)	Shoulder Width (ft.)	Saturation Flow Rate	Free Flow Speed (mph)	Grid Number
903	647	79	Greenbrier Mossydale Rd	collector	2151	1	12	0	1700	45	30
904	648	647	Greenbrier Mossydale Rd	collector	1563	1	12	0	1700	45	30
905	649	648	Greenbrier Mossydale Rd	collector	4141	1	12	0	1700	45	31
906	650	646	Perry Ln	collector	3312	1	12	0	1700	45	31
907	651	650	Perry Ln	collector	4780	1	12	0	1700	45	31
908	652	75	Rt 269	collector	1813	1	12	0	1700	55	23
909	652	76	Rt 269	collector	3933	1	12	0	1700	55	23
910	653	652	Greenbrier Mossydale Rd	collector	5230	1	12	0	1700	45	23
911	654	652	SR S-20-62	collector	4687	1	12	0	1700	45	23
912	655	84	Rt 269	collector	1262	1	12	0	1700	60	37
913	655	85	Rt 269	collector	2809	1	12	0	1700	60	37
914	656	655	SR S-40-59	collector	2873	1	12	0	1700	45	37
915	657	656	SR S-40-59	collector	1365	1	12	0	1700	40	37
916	658	657	SR S-40-59	collector	2874	1	12	0	1700	40	37
917	659	658	SR S-40-59	collector	1869	1	12	0	1700	45	37
918	659	660	SR S-40-406	collector	3889	1	12	0	1700	45	37
919	660	661	SR S-40-406	collector	2490	1	12	0	1700	45	31
920	661	662	SR S-40-406	collector	2705	1	12	0	1700	45	31
921	662	663	SR S-40-406	collector	1865	1	12	0	1700	45	31
922	663	71	SR S-40-406	collector	2559	1	12	0	1700	45	31
923	664	71	US 321	collector	5614	1	12	0	1700	60	31
924	665	666	SR S-20-221	collector	1368	1	12	0	1700	45	30

Link #	Up-Stream Node	Down-Stream Node	Roadway Name	Roadway Type	Length (ft.)	No. of Lanes	Lane Width (ft.)	Shoulder Width (ft.)	Saturation Flow Rate	Free Flow Speed (mph)	Grid Number
925	666	667	SR S-20-221	collector	2875	1	12	0	1700	45	30
926	667	668	SR S-20-221	collector	2182	1	12	0	1700	45	30
927	668	78	SR S-20-54	collector	4416	1	12	0	1500	45	30
928	669	670	Estes Ln	collector	6857	1	12	0	1700	45	30
929	670	671	Estes Ln	collector	3331	1	12	0	1700	45	30
930	671	80	SR S-270	collector	1861	1	12	0	1700	45	30
931	672	673	Amicks Ferry Rd	collector	2567	1	12	0	1575	35	41
932	673	674	Amicks Ferry Rd	collector	3232	1	12	0	1575	35	41
933	674	675	Amicks Ferry Rd	collector	1129	1	12	0	1575	35	41
934	675	676	Amicks Ferry Rd	collector	1689	1	12	0	1700	45	41
935	676	685	Amicks Ferry Rd	collector	3294	1	12	1	1700	45	40
936	677	678	Amicks Ferry Rd	collector	4292	1	12	1	1700	45	40
937	678	679	Amicks Ferry Rd	collector	3875	1	12	1	1700	55	40
938	679	680	Amicks Ferry Rd	collector	6362	1	12	1	1700	50	34
939	679	754	Lester Frick Rd	collector	2669	1	12	0	1700	55	40
940	680	681	Amicks Ferry Rd	collector	1597	1	12	0	1700	50	34
941	681	682	Amicks Ferry Rd	collector	1811	1	12	0	1575	35	34

Link #	Up-Stream Node	Down-Stream Node	Roadway Name	Roadway Type	Length (ft.)	No. of Lanes	Lane Width (ft.)	Shoulder Width (ft.)	Saturation Flow Rate	Free Flow Speed (mph)	Grid Number
942	682	683	Amicks Ferry Rd	collector	2014	1	12	0	1575	35	34
943	683	684	Amicks Ferry Rd	collector	1097	1	12	0	1750	35	34
944	684	233	US 76	collector	1377	1	12	0	1750	45	34
945	684	234	US 76	collector	1375	1	12	0	1700	40	34
946	684	931	Columbia Ave	local roadway	280	1	12	1	450	10	34
947	685	677	Amicks Ferry Rd	collector	1196	1	12	1	1700	45	40
948	686	227	US 76	collector	3054	1	12	1	1700	60	41
949	686	228	US 76	collector	2477	1	12	1	1700	60	41
950	687	686	Wessinger Rd	collector	1204	1	12	0	1750	40	41
951	688	687	Wessinger Rd	collector	2705	1	12	0	1700	40	41
952	689	688	Wessinger Rd	collector	1055	1	12	0	1700	40	41
953	690	689	Wessinger Rd	collector	3168	1	12	0	1700	40	41
954	691	690	Wessinger Rd	collector	1766	1	12	0	1700	40	41
955	691	706	Old Lexington Hwy	collector	1728	1	12	0	1700	45	41
956	692	691	Old Lexington Hwy	collector	5334	1	12	0	1700	45	41
957	693	692	Old Lexington Hwy	collector	3586	1	12	0	1700	50	41
958	694	691	Wessinger Rd	collector	3727	1	12	0	1700	40	41
959	695	694	Wessinger Rd	collector	2497	1	12	0	1700	40	41
960	696	695	Wessinger Rd	collector	3057	1	12	0	1700	40	41
961	697	696	Wessinger Rd	collector	2320	1	12	0	1700	40	41

Link #	Up-Stream Node	Down-Stream Node	Roadway Name	Roadway Type	Length (ft.)	No. of Lanes	Lane Width (ft.)	Shoulder Width (ft.)	Saturation Flow Rate	Free Flow Speed (mph)	Grid Number
962	698	233	Lexington Ave	collector	2045	1	12	0	1750	35	34
963	699	698	Old Lexington Hwy	collector	1973	1	12	0	1700	40	34
964	700	231	Murray Lindler Rd	collector	3131	1	12	0	1700	40	34
965	700	699	Old Lexington Hwy	collector	1824	1	12	0	1700	40	34
966	700	701	Old Lexington Hwy	collector	1456	1	12	0	1700	45	34
967	701	700	Old Lexington Hwy	collector	1456	1	12	0	1700	45	34
968	701	702	Old Lexington Hwy	collector	3846	1	12	0	1700	45	41
969	702	230	Primrose Ln	collector	4732	1	12	0	1750	40	34
970	702	701	Old Lexington Hwy	collector	3846	1	12	0	1700	45	41
971	702	703	Old Lexington Hwy	collector	2669	1	12	0	1700	45	41
972	703	702	Old Lexington Hwy	collector	2669	1	12	0	1700	45	41
973	703	704	Old Lexington Hwy	collector	1637	1	12	0	1700	45	41
974	704	703	Old Lexington Hwy	collector	1637	1	12	0	1700	45	41
975	704	705	Old Lexington Hwy	collector	2422	1	12	0	1700	45	41
976	705	704	Old Lexington Hwy	collector	2421	1	12	0	1700	45	41

Link #	Up-Stream Node	Down-Stream Node	Roadway Name	Roadway Type	Length (ft.)	No. of Lanes	Lane Width (ft.)	Shoulder Width (ft.)	Saturation Flow Rate	Free Flow Speed (mph)	Grid Number
977	705	706	Old Lexington Hwy	collector	2887	1	12	0	1700	45	41
978	706	691	Old Lexington Hwy	collector	1728	1	12	0	1700	45	41
979	706	705	Old Lexington Hwy	collector	2888	1	12	0	1700	45	41
980	707	700	Murray Lindler Rd	collector	2555	1	12	0	1700	40	34
981	708	707	Murray Lindler Rd	collector	2359	1	12	0	1700	40	41
982	709	222	Marina Rd	collector	4303	1	12	0	1750	40	43
983	710	225	SR S-40-1333	collector	3196	1	12	0	1750	40	42
984	710	717	Johnson Marina Rd	collector	2543	1	12	0	1700	40	42
985	711	710	SR S-40-1333	collector	2525	1	12	0	1700	40	42
986	712	711	SR S-40-1333	collector	2297	1	12	0	1700	40	42
987	713	710	Johnson Marina Rd	collector	3096	1	12	0	1700	40	42
988	713	817	Forrest Shealy Rd	collector	1342	1	12	0	1700	40	42
989	714	713	Johnson Marina Rd	collector	619	1	12	0	1700	40	42
990	715	714	Johnson Marina Rd	collector	3146	1	12	0	1700	40	42
991	716	715	Johnson Marina Rd	collector	3262	1	12	0	1700	40	42
992	717	224	US 76	collector	822	1	12	2	1700	45	42
993	717	854	US 76	collector	5542	1	12	2	1700	45	43

Link #	Up-Stream Node	Down-Stream Node	Roadway Name	Roadway Type	Length (ft.)	No. of Lanes	Lane Width (ft.)	Shoulder Width (ft.)	Saturation Flow Rate	Free Flow Speed (mph)	Grid Number
994	718	719	Rt 391	collector	3418	1	12	0	1700	55	32
995	719	720	Rt 391	collector	2543	1	12	0	1700	55	32
996	721	722	Macedonia Church Rd	collector	5062	1	12	2	1700	50	40
997	722	723	Macedonia Church Rd	collector	3505	1	12	2	1700	60	39
998	723	724	Macedonia Church Rd	collector	3506	1	12	2	1700	60	39
999	724	728	Macedonia Church Rd	collector	1633	1	12	2	1700	60	39
1000	724	788	SR S-36-20	collector	2469	1	12	0	1700	50	39
1001	725	722	SR S-32-231	collector	2994	1	10	0	1700	45	40
1002	725	726	SR S-32-231	collector	6831	1	10	0	1700	50	40
1003	726	725	SR S-32-231	collector	6831	1	10	0	1700	50	40
1004	726	929	SR S-32-231	collector	1860	1	12	1	1700	50	40
1005	727	750	SR S-32-231	collector	2022	1	12	1	1700	50	40
1006	728	729	Seibert Rd	collector	1798	1	12	0	1700	50	39
1007	728	736	Macedonia Church Rd	collector	1747	1	12	2	1700	60	39
1008	729	730	Seibert Rd	collector	1813	1	12	0	1700	50	39
1009	730	731	Seibert Rd	collector	3001	1	12	0	1700	50	39
1010	731	732	Seibert Rd	collector	3083	1	12	0	1700	50	39
1011	732	733	Seibert Rd	collector	4993	1	12	0	1700	50	39
1012	733	734	SR S-36-71	collector	2177	1	12	0	1700	50	39
1013	734	735	SR S-36-71	collector	3339	1	12	0	1700	50	39
1014	735	719	SR S-36-71	collector	2635	1	12	0	1700	50	32

Link #	Up-Stream Node	Down-Stream Node	Roadway Name	Roadway Type	Length (ft.)	No. of Lanes	Lane Width (ft.)	Shoulder Width (ft.)	Saturation Flow Rate	Free Flow Speed (mph)	Grid Number
1015	736	737	Macedonia Church Rd	collector	3772	1	12	2	1700	60	32
1016	737	738	Macedonia Church Rd	collector	2344	1	12	2	1700	60	32
1017	738	739	Macedonia Church Rd	collector	5176	1	12	2	1700	60	32
1018	739	740	Macedonia Church Rd	collector	1352	1	12	2	1700	55	32
1019	740	741	Macedonia Church Rd	collector	5611	1	12	2	1700	40	32
1020	741	742	Macedonia Church Rd	collector	2436	1	12	2	1700	40	32
1021	741	744	SR S-36-41	collector	4814	1	12	0	1700	45	32
1022	742	743	Macedonia Church Rd	collector	5325	1	12	2	1700	40	32
1023	743	254	S Main St	local roadway	5783	1	12	2	1750	15	32
1024	744	745	SR S-36-41	collector	1319	1	12	0	1700	45	32
1025	745	746	SR S-36-41	collector	2503	1	12	0	1700	45	32
1026	746	260	SR S-36-41	collector	1401	1	12	0	1700	40	32
1027	747	725	State Park Rd	collector	6042	1	12	0	1700	40	40
1028	748	747	State Park Rd	collector	4457	1	12	0	1700	40	40
1029	749	758	SR S-36-72	collector	2769	1	12	0	1700	50	33
1030	749	763	SR S-36-20	collector	3689	1	12	0	1700	50	33
1031	750	751	SR S-32-231	collector	1506	1	12	1	1700	45	40
1032	751	752	St Peters Church Rd	collector	2349	1	12	0	1700	55	40
1033	751	755	SR S-36-72	collector	3015	1	12	0	1700	50	40

Link #	Up-Stream Node	Down-Stream Node	Roadway Name	Roadway Type	Length (ft.)	No. of Lanes	Lane Width (ft.)	Shoulder Width (ft.)	Saturation Flow Rate	Free Flow Speed (mph)	Grid Number
1034	752	751	St Peters Church Rd	collector	2348	1	12	0	1700	55	40
1035	752	753	St Peters Church Rd	collector	2409	1	12	0	1700	55	40
1036	753	752	St Peters Church Rd	collector	2409	1	12	0	1700	55	40
1037	753	754	Lester Frick Rd	collector	2776	1	12	0	1700	55	40
1038	754	679	Lester Frick Rd	collector	2669	1	12	0	1700	55	40
1039	754	753	Lester Frick Rd	collector	2776	1	12	0	1700	55	40
1040	755	756	SR S-36-72	collector	1897	1	12	0	1700	50	33
1041	755	776	Westwoods Dr	collector	1759	1	12	0	1700	50	33
1042	756	757	SR S-36-72	collector	2599	1	12	0	1700	50	33
1043	757	749	SR S-36-72	collector	1796	1	12	0	1700	50	33
1044	758	759	SR S-36-72	collector	1831	1	12	0	1700	50	33
1045	759	760	SR S-36-72	collector	3726	1	12	0	1700	50	32
1046	760	739	SR S-36-72	collector	8072	1	12	0	1700	50	32
1047	760	768	SR S-36-211	collector	5238	1	12	0	1700	50	32
1048	761	726	R B Baker Dr	collector	2011	1	12	0	1700	40	40
1049	762	761	R B Baker Dr	collector	4655	1	12	0	1700	40	40
1050	763	764	SR S-36-20	collector	1998	1	12	0	1700	50	33
1051	764	765	SR S-36-20	collector	1628	1	12	0	1700	50	33
1052	765	766	SR S-36-20	collector	3127	1	12	0	1700	50	33
1053	766	767	SR S-36-20	collector	5161	1	12	0	1700	50	33
1054	767	239	US 76	collector	2908	1	12	1	1700	40	33
1055	767	240	US 76	collector	1217	1	12	1	1700	55	33
1056	768	769	SR S-36-211	collector	1481	1	12	0	1700	50	33

Link #	Up-Stream Node	Down-Stream Node	Roadway Name	Roadway Type	Length (ft.)	No. of Lanes	Lane Width (ft.)	Shoulder Width (ft.)	Saturation Flow Rate	Free Flow Speed (mph)	Grid Number
1057	769	770	SR S-36-211	collector	928	1	12	0	1700	50	33
1058	770	771	SR S-36-211	collector	1376	1	12	0	1700	50	33
1059	771	772	SR S-36-211	collector	3591	1	12	0	1700	50	32
1060	772	773	SR S-36-211	collector	1869	1	12	0	1700	50	32
1061	773	774	SR S-36-211	collector	569	1	12	0	1700	50	32
1062	774	775	SR S-36-211	collector	2868	1	12	0	1700	50	32
1063	775	241	US 76	collector	978	1	12	1	1700	55	33
1064	775	242	US 76	collector	2803	1	12	1	1700	55	32
1065	776	777	Westwoods Dr	collector	929	1	12	0	1700	50	33
1066	777	778	Westwoods Dr	collector	5717	1	12	0	1700	50	33
1067	777	933	Millers Branch Rd	collector	1656	1	12	0	1700	45	33
1068	778	779	Westwoods Dr	collector	1060	1	12	0	1700	50	33
1069	779	780	Westwoods Dr	collector	5206	1	12	0	1700	50	33
1070	780	781	Westwoods Dr	collector	4184	1	12	0	1750	50	34
1071	781	234	St Peters Church Rd	collector	1354	1	12	0	1700	50	34
1072	782	783	SR S-32-231	collector	4640	1	12	0	1700	45	33
1073	783	784	SR S-32-231	collector	3327	1	12	0	1700	45	33
1074	784	785	SR S-32-231	collector	907	1	12	0	1575	35	33
1075	785	786	SR S-32-231	collector	554	1	12	0	1575	35	33
1076	786	787	Mountain St	collector	3740	1	12	0	1575	35	33
1077	787	932	Mountain St	collector	1290	1	12	0	1575	35	33
1078	788	789	SR S-36-20	collector	1796	1	12	0	1700	50	40
1079	789	792	SR S-36-20	collector	1021	1	12	0	1700	50	40
1080	790	791	SR S-36-20	collector	2989	1	12	0	1700	50	40

Link #	Up-Stream Node	Down-Stream Node	Roadway Name	Roadway Type	Length (ft.)	No. of Lanes	Lane Width (ft.)	Shoulder Width (ft.)	Saturation Flow Rate	Free Flow Speed (mph)	Grid Number
1081	791	749	SR S-36-20	collector	5326	1	12	0	1700	50	33
1082	792	790	SR S-36-20	collector	2406	1	12	0	1700	50	40
1083	793	794	Pettus Ln	collector	2211	1	12	0	1700	45	17
1084	794	795	Lanewood Rd	collector	5015	1	12	0	1700	45	17
1085	794	796	Pettus Ln	collector	1309	1	12	0	1700	45	17
1086	795	354	Lanewood Rd	collector	2903	1	12	0	1700	45	17
1087	796	797	Mt Bethel Garmany Rd	collector	3488	1	12	0	1700	45	10
1088	797	397	Mt Bethel Garmany Rd	collector	8409	1	12	0	1700	45	10
1089	798	93	Clark Bridge Rd	collector	2319	1	12	0	1700	40	14
1090	799	798	Clark Bridge Rd	collector	4277	1	12	0	1700	40	14
1091	800	798	Brooks Dr	collector	2355	1	12	0	1700	40	14
1092	801	800	Brooks Dr	collector	3449	1	12	0	1700	40	14
1093	802	801	Brooks Dr	collector	2483	1	12	0	1700	40	14
1094	803	482	SR S-20-48	collector	4662	1	12	0	1700	50	21
1095	804	546	Kincaid Bridge Rd	collector	5316	1	12	1	1700	55	15
1096	805	69	US 321	collector	5404	1	12	0	1700	60	31
1097	805	70	US 321	collector	4683	1	12	0	1700	60	31
1098	806	807	US 76	minor arterial	932	2	12	0	1900	45	25
1099	806	879	US 76	minor arterial	768	2	12	0	1900	45	25
1100	807	806	US 76	minor arterial	932	2	12	0	1750	45	25

Link #	Up-Stream Node	Down-Stream Node	Roadway Name	Roadway Type	Length (ft.)	No. of Lanes	Lane Width (ft.)	Shoulder Width (ft.)	Saturation Flow Rate	Free Flow Speed (mph)	Grid Number
1101	807	808	US 76	minor arterial	2916	2	12	0	1750	45	17
1102	808	807	US 76	minor arterial	2916	2	12	0	1900	45	17
1103	808	809	US 76	minor arterial	954	2	12	0	1750	45	17
1104	809	808	US 76	minor arterial	954	2	12	0	1750	45	17
1105	809	810	US 76	minor arterial	986	2	12	0	1750	40	17
1106	809	811	Rt 219	minor arterial	1564	2	12	0	1900	40	17
1107	810	809	US 76	minor arterial	986	2	12	0	1750	45	17
1108	810	811	Rt 34	collector	1540	1	12	4	1700	40	17
1109	810	813	US 76	minor arterial	5107	2	12	0	1750	40	17
1110	811	812	Rt 34	minor arterial	2054	2	12	0	1900	40	17
1111	812	814	Rt 34	minor arterial	2107	2	12	0	1900	40	17
1112	813	810	US 76	minor arterial	5107	2	12	0	1750	40	17
1113	813	848	US 76	minor arterial	1631	2	12	0	1750	45	17
1114	815	686	SR S-40-405	collector	2304	1	12	0	1750	40	41
1115	816	815	SR S-40-405	collector	5765	1	12	0	1700	40	34
1116	817	818	SR S-40-1403	collector	1708	1	12	0	1700	40	42

Link #	Up-Stream Node	Down-Stream Node	Roadway Name	Roadway Type	Length (ft.)	No. of Lanes	Lane Width (ft.)	Shoulder Width (ft.)	Saturation Flow Rate	Free Flow Speed (mph)	Grid Number
1117	818	226	SR S-40-1403	collector	2188	1	12	0	1750	40	42
1118	819	226	SR S-40-1403	collector	2087	1	12	0	1750	40	42
1119	820	819	SR S-40-1403	collector	1239	1	12	0	1700	40	35
1120	821	222	US 76	minor arterial	2188	2	12	2	1750	40	43
1121	821	223	US 76	minor arterial	1708	2	12	2	1900	45	43
1122	822	823	I-26 on-ramp from US 76	freeway ramp	1521	1	12	4	1700	45	49
1123	822	868	US 76	minor arterial	261	2	12	1	1900	55	49
1124	822	935	US 76	minor arterial	248	2	12	1	1900	55	49
1125	823	824	I-26	freeway	1321	3	12	12	2250	70	49
1126	823	869	I-26	freeway	598	3	12	12	2250	75	49
1127	824	823	I-26	freeway	1321	3	12	12	2250	70	49
1128	825	388	I-26 on-ramp from US 76	freeway ramp	1404	1	12	4	1700	45	49
1129	825	870	US 76	minor arterial	453	2	12	1	1900	55	49
1130	825	919	US 76	minor arterial	919	2	12	1	1750	55	49
1131	826	827	US 76	collector	1716	1	12	1	1700	45	49
1132	826	919	US 76	collector	818	1	12	1	1750	55	49
1133	827	826	US 76	collector	1714	1	12	1	1700	45	49
1134	828	457	W Moultrie St	minor arterial	3036	2	12	0	1750	40	16

Link #	Up-Stream Node	Down-Stream Node	Roadway Name	Roadway Type	Length (ft.)	No. of Lanes	Lane Width (ft.)	Shoulder Width (ft.)	Saturation Flow Rate	Free Flow Speed (mph)	Grid Number
1135	828	829	W Washington St	local roadway	1071	1	12	4	1125	25	16
1136	829	458	W Liberty St	local roadway	2355	1	12	4	1750	25	16
1137	829	830	W Washington St	local roadway	1509	1	12	4	1125	25	16
1138	830	459	W Washington St	local roadway	1007	1	12	4	1750	25	16
1139	830	831	N Garden St	local roadway	978	1	12	4	1125	25	16
1140	831	460	W College St	local roadway	980	1	12	4	1750	25	16
1141	832	833	S Lake Access Rd	minor arterial	1597	2	12	0	1900	40	20
1142	833	834	S Lake Access Rd	minor arterial	975	2	12	0	1900	40	20
1143	834	835	S Lake Access Rd	minor arterial	1025	2	12	0	1900	40	20
1144	835	836	S Lake Access Rd	minor arterial	750	2	12	0	1900	40	28
1145	836	837	S Lake Access Rd	minor arterial	621	2	12	0	1900	40	28
1146	837	838	S Lake Access Rd	minor arterial	2071	2	12	0	1900	40	28
1147	838	839	S Lake Access Rd	minor arterial	1913	2	12	0	1900	40	28
1148	839	840	S Lake Access Rd	minor arterial	1201	2	12	0	1900	40	28

Link #	Up-Stream Node	Down-Stream Node	Roadway Name	Roadway Type	Length (ft.)	No. of Lanes	Lane Width (ft.)	Shoulder Width (ft.)	Saturation Flow Rate	Free Flow Speed (mph)	Grid Number
1149	840	841	S Lake Access Rd	minor arterial	1929	2	12	0	1900	40	28
1150	841	471	S Lake Access Rd	minor arterial	1549	2	12	0	1900	40	28
1151	842	331	Bulldog Dr	local roadway	448	1	12	0	1750	15	17
1152	843	809	Rt 219	minor arterial	818	2	12	0	1750	45	17
1153	844	843	Heritage Dr	local roadway	483	1	12	0	1750	20	17
1154	845	843	Heritage Dr	local roadway	377	1	12	0	1750	20	17
1155	846	813	Kinard St	collector	633	1	12	0	1750	40	17
1156	847	813	Kinard St	collector	602	1	12	0	1750	40	17
1157	848	813	US 76	minor arterial	1631	2	12	0	1750	40	17
1158	849	848	Evans St	collector	509	1	12	0	1750	40	17
1159	850	214	School Entrance	local roadway	339	1	12	0	1750	15	43
1160	852	218	US 76	collector	1811	1	12	1	1750	50	43
1161	852	219	US 76	collector	1651	1	12	1	1700	45	43
1162	854	223	US 76	minor arterial	602	2	12	2	1900	45	43
1163	854	717	US 76	collector	5542	1	12	2	1700	45	43
1164	855	232	US 76	collector	860	1	12	0	1700	45	34
1165	855	233	US 76	collector	350	1	12	0	1750	45	34
1166	855	267	Peak St	collector	739	1	12	0	1700	40	34
1167	857	234	US 76	collector	950	1	12	0	1700	40	34

Link #	Up-Stream Node	Down-Stream Node	Roadway Name	Roadway Type	Length (ft.)	No. of Lanes	Lane Width (ft.)	Shoulder Width (ft.)	Saturation Flow Rate	Free Flow Speed (mph)	Grid Number
1168	857	235	US 76	collector	4738	1	12	0	1700	55	34
1169	858	242	US 76	collector	5070	1	12	1	1700	55	32
1170	858	243	US 76	collector	2131	1	12	1	1750	55	26
1171	859	858	School Entrance	local roadway	455	1	12	0	1750	15	32
1172	860	246	US 76	collector	1254	1	12	0	1700	40	32
1173	860	861	US 76	collector	3196	1	12	0	1575	35	26
1174	861	245	US 76	collector	5181	1	12	0	1700	50	26
1175	861	860	US 76	collector	3196	1	12	0	1575	35	26
1176	864	378	I-26	freeway	2636	2	12	12	2250	75	35
1177	864	379	I-26	freeway	302	2	12	12	2250	75	43
1178	864	874	I-26 off-ramp to US 176	freeway ramp	1069	1	12	8	1700	45	43
1179	865	215	US 176	collector	161	1	12	0	1700	45	43
1180	865	216	US 176	collector	4520	1	12	0	1700	55	43
1181	866	385	I-26	freeway	358	2	12	12	2250	75	43
1182	866	386	I-26	freeway	8987	2	12	12	2250	75	43
1183	866	873	I-26 off-ramp to US 176	freeway ramp	981	1	12	8	1700	45	43
1184	867	868	I-26 off-ramp to US 76	freeway ramp	519	1	12	4	1350	30	49
1185	868	822	US 76	minor arterial	261	2	12	1	1750	55	49
1186	868	870	US 76	minor arterial	628	2	12	1	1900	55	49
1187	869	823	I-26	freeway	598	3	12	12	2250	70	49

Link #	Up-Stream Node	Down-Stream Node	Roadway Name	Roadway Type	Length (ft.)	No. of Lanes	Lane Width (ft.)	Shoulder Width (ft.)	Saturation Flow Rate	Free Flow Speed (mph)	Grid Number
1188	869	867	I-26 off-ramp to US 76	freeway ramp	624	1	12	4	1350	30	49
1189	869	871	I-26	freeway	644	3	12	12	2250	75	49
1190	870	825	US 76	minor arterial	448	2	12	1	1900	55	49
1191	870	868	US 76	minor arterial	627	2	12	1	1900	55	49
1192	871	388	I-26	freeway	389	2	12	12	2250	75	49
1193	871	869	I-26	freeway	643	3	12	12	2250	75	49
1194	871	872	I-26 off-ramp to US 76	freeway ramp	477	1	12	4	1350	30	49
1195	872	870	I-26 off-ramp to US 76	freeway ramp	407	1	12	4	1350	30	49
1196	873	382	I-26 off-ramp to US 176	freeway ramp	1214	1	12	8	1700	45	35
1197	874	865	I-26 off-ramp to US 176	freeway ramp	897	1	12	8	1700	45	43
1198	875	877	I-26 off-ramp to Rt 202	freeway ramp	562	1	12	6	1350	30	27
1199	876	283	Rt 202	collector	2418	1	12	0	1700	40	27
1200	876	298	Rt 202	collector	275	1	12	0	1700	40	27
1201	877	282	Rt 202	collector	235	1	12	0	1700	40	27
1202	877	298	Rt 202	collector	740	1	12	0	1700	40	27
1203	879	350	US 76	minor arterial	2732	2	12	0	1900	50	25
1204	879	806	US 76	minor arterial	768	2	12	0	1750	45	25

Link #	Up-Stream Node	Down-Stream Node	Roadway Name	Roadway Type	Length (ft.)	No. of Lanes	Lane Width (ft.)	Shoulder Width (ft.)	Saturation Flow Rate	Free Flow Speed (mph)	Grid Number
1205	880	806	Water Cousins Rd	minor arterial	489	2	12	0	1750	30	25
1206	881	808	Johnstone St	collector	636	1	12	0	1750	40	17
1207	882	808	Johnstone St	local roadway	572	1	12	0	1750	30	17
1208	883	191	Peak Rd	collector	2600	1	12	0	1700	40	28
1209	884	533	SR S-35-9734	collector	1787	1	12	0	1700	50	19
1210	885	538	Hughey Ferry Rd	collector	1623	1	12	0	1700	50	19
1211	886	515	Unnamed Road	collector	2570	1	12	0	1700	40	20
1212	887	424	Old Blair Rd	collector	2166	1	11	0	1700	40	12
1213	888	441	SR S-36-55	collector	2308	1	12	0	1700	40	11
1214	889	793	Pettus Ln	collector	1410	1	12	0	1700	45	10
1215	890	531	Strother Rd	collector	1444	1	12	0	1700	55	13
1216	891	799	Clark Bridge Rd	collector	1765	1	12	0	1700	40	14
1217	892	802	Brooks Dr	collector	1655	1	12	0	1700	40	21
1218	893	598	Ashford Ferry Rd	collector	2034	1	12	0	1700	60	3
1219	894	583	Old Douglass Rd	collector	1582	1	12	0	1700	60	3
1220	895	13	S Lake Access Rd	collector	959	1	12	0	1900	40	20
1221	896	654	SR S-20-62	collector	1604	1	12	0	1700	40	23
1222	897	550	Sandy Ln Exd	collector	1209	1	12	0	1700	40	16
1223	899	479	Scotts Crossing Rd	collector	1397	1	12	0	1700	40	22
1224	900	651	Perry Ln	collector	1008	1	12	0	1700	40	31

Link #	Up-Stream Node	Down-Stream Node	Roadway Name	Roadway Type	Length (ft.)	No. of Lanes	Lane Width (ft.)	Shoulder Width (ft.)	Saturation Flow Rate	Free Flow Speed (mph)	Grid Number
1225	901	659	Shantar Rd	collector	1097	1	12	4	1700	40	31
1226	902	716	Johnson Marina Rd	collector	1080	1	12	0	1700	40	44
1227	903	712	SR S-40-1333	collector	1274	1	12	0	1700	40	42
1228	904	709	Marina Rd	collector	1540	1	12	0	1700	40	43
1229	905	638	Kennerly Rd	collector	1788	1	12	0	1700	40	47
1230	906	604	SR S-40-592	collector	1003	1	12	4	1700	40	35
1231	907	610	Fulmer Bottom Rd	collector	1704	1	12	0	1700	40	35
1232	908	820	SR S-40-1403	collector	1812	1	12	0	1700	40	35
1233	909	816	SR S-40-405	collector	1369	1	12	0	1700	40	35
1234	910	708	Murray Lindler Rd	collector	2031	1	12	0	1700	40	41
1235	911	672	Amicks Ferry Rd	collector	1977	1	12	0	1700	35	41
1236	912	697	Wessinger Rd	collector	2286	1	12	0	1700	40	41
1237	913	693	Old Lexington Hwy	collector	1977	1	12	0	1700	50	41
1238	914	721	Macedonia Church Rd	collector	1716	1	12	2	1700	40	40
1239	915	748	State Park Rd	collector	1095	1	12	0	1700	40	40
1240	916	762	R B Baker Dr	collector	1606	1	12	0	1700	40	40
1241	918	619	SR S-40-217	collector	1065	1	12	0	1750	40	36
1242	919	825	US 76	minor arterial	919	2	12	1	1900	55	49
1243	919	826	US 76	collector	818	1	12	1	1700	55	49
1244	920	919	Western Ln	collector	517	1	12	0	1750	45	49

Link #	Up-Stream Node	Down-Stream Node	Roadway Name	Roadway Type	Length (ft.)	No. of Lanes	Lane Width (ft.)	Shoulder Width (ft.)	Saturation Flow Rate	Free Flow Speed (mph)	Grid Number
1245	921	810	Rt 34	collector	1175	1	12	0	1750	40	17
1246	922	921	Mt Bethel Garmany Rd	collector	235	1	12	0	1750	45	17
1247	923	921	Heritage Dr	collector	336	1	12	0	1750	45	17
1248	924	103	Rt 215	collector	5210	1	12	0	1700	60	6
1249	925	448	SR S-20-248	local roadway	444	1	12	0	1750	25	16
1250	926	448	9th St	collector	548	1	12	0	1750	45	16
1251	927	254	Rt 391	local roadway	1353	1	12	0	1750	15	32
1252	927	928	Rt 391	collector	1408	1	16	0	1575	35	32
1253	928	248	Rt 391	local roadway	1178	1	16	0	900	20	25
1254	928	927	Rt 391	local roadway	1408	1	16	0	675	15	32
1255	929	727	SR S-32-231	collector	3086	1	12	1	1700	50	40
1256	930	270	SR S-40-39	collector	2643	1	12	1	1700	55	34
1257	930	271	Columbia Ave	collector	2576	1	12	1	1700	40	34
1258	931	267	Columbia Ave	collector	1752	1	12	1	1700	45	34
1259	931	684	Columbia Ave	local roadway	280	1	12	1	450	10	34
1260	932	238	US 76	collector	2203	1	12	1	1700	50	33
1261	932	239	US 76	collector	331	1	12	0	1700	40	33
1262	933	782	SR S-32-231	collector	2543	1	12	0	1700	45	33
1263	934	806	Rt 34	collector	588	1	12	0	1750	45	25
1264	935	394	US 76	minor arterial	1229	2	12	1	1700	55	48

Link #	Up-Stream Node	Down-Stream Node	Roadway Name	Roadway Type	Length (ft.)	No. of Lanes	Lane Width (ft.)	Shoulder Width (ft.)	Saturation Flow Rate	Free Flow Speed (mph)	Grid Number
1265	935	822	US 76	minor arterial	248	2	12	1	1750	55	49
1266	936	218	US 76	minor arterial	738	2	12	1	1750	50	46
1267	936	630	US 76	collector	2607	1	12	1	1750	50	46
1268	937	781	St Peters Church Rd	collector	635	1	12	0	1750	50	34
1269	8363	363	I-26	freeway	1342	2	12	12	2250	75	17
1270	8401	401	US 121	collector	3249	1	12	0	1700	60	4
1271	8470	470	US 321	collector	1969	1	12	0	1700	60	9
1272	8664	664	US 321	collector	3261	1	12	0	1700	60	37
1273	8813	848	US 76	minor arterial	1251	2	12	0	1750	45	17
1274	8824	824	I-26	freeway	1160	3	12	12	2250	70	49
1275	8827	827	US 76	collector	710	1	12	1	1700	45	49
(exit link)	363	8363	I-26	freeway	1342	2	12	12	1700	40	17
(exit link)	824	8824	I-26	freeway	1160	3	12	12	2250	70	49
(exit link)	395	8395	N Woodrow St	local roadway	1821	1	12	0	1700	40	48
(exit link)	141	8141	Route 200	minor arterial	1518	1	12	0	1700	40	16
(exit link)	32	8032	Rt 215	collector	2711	1	12	0	1700	40	37
(exit link)	111	8111	Rt 215	collector	1385	1	12	0	1700	60	2

Link #	Up-Stream Node	Down-Stream Node	Roadway Name	Roadway Type	Length (ft.)	No. of Lanes	Lane Width (ft.)	Shoulder Width (ft.)	Saturation Flow Rate	Free Flow Speed (mph)	Grid Number
(exit link)	61	8061	Rt 34	collector	2525	1	12	1	1700	30	24
(exit link)	814	8814	Rt 34	collector	1311	1	12	0	1700	55	25
(exit link)	720	8720	Rt 391	collector	2561	1	12	0	1700	45	39
(exit link)	391	8391	Rt 6	collector	1147	1	12	0	1700	40	45
(exit link)	426	8426	SR S-36-45	local roadway	1418	1	12	0	1700	30	5
(exit link)	423	8423	Tyger River Rd	local roadway	3508	1	12	0	1700	45	1
(exit link)	401	8401	US 121	collector	3249	1	12	0	1700	40	4
(exit link)	470	8470	US 321	collector	1969	1	12	0	1700	40	9
(exit link)	664	8664	US 321	collector	3259	1	12	0	1700	40	37
(exit link)	827	8827	US 76	collector	710	1	12	1	1900	55	49
(exit link)	848	8813	US 76	minor arterial	1251	2	12	0	1900	55	17

Table K-2. Nodes in the Link-Node Analysis Network which are Controlled

Node	X Coordinate (ft)	Y Coordinate (ft)	Control Type	Grid Number
4	1911496	894991	Stop	21
8	1912834	885637	Pretimed	29
17	1922710	880371	Pretimed	29
27	1959516	856040	Stop	37
46	1946653	917919	Stop	15
52	1962746	913783	Stop	23
53	1963597	914208	Stop	23
57	1973568	914560	Pretimed	16
64	1975260	907486	Pretimed	23
68	1977480	889467	Stop	31
71	1979868	867804	Stop	31
78	1955055	887075	Stop	30
79	1954401	883306	Stop	30
80	1953102	879588	Stop	30
93	1910970	921436	Stop	14
96	1911338	934631	Stop	14
102	1909272	951483	Stop	6
128	1947729	940827	Stop	8
138	1969216	931057	Pretimed	16
140	1972852	931198	Stop	16
151	1893081	939309	Stop	6
159	1874758	928482	Pretimed	12
165	1851635	915925	Stop	11
167	1845917	913655	Pretimed	18
169	1907956	884375	Pretimed	28
172	1898174	878380	Pretimed	28
175	1887923	876512	Pretimed	28
190	1891330	887858	Stop	28
201	1893727	865604	Pretimed	34
203	1903507	865161	Stop	34
204	1906009	864608	Stop	34
207	1909899	856956	Stop	35
209	1913640	851564	Stop	35
213	1925727	843456	Pretimed	35
214	1927729	842036	Pretimed	43
218	1935205	833250	Pretimed	46

Node	X Coordinate (ft)	Y Coordinate (ft)	Control Type	Grid Number
221	1929300	833820	Pretimed	43
222	1928264	833535	Pretimed	43
225	1916773	840828	Pretimed	42
226	1914215	840037	Pretimed	42
230	1900395	842456	Pretimed	34
231	1896717	845605	Stop	34
233	1894029	848768	Pretimed	34
234	1891345	849384	Stop	34
239	1875232	859771	Stop	33
243	1854069	866898	Pretimed	26
248	1837043	867416	Stop	25
254	1839168	864158	Pretimed	32
260	1839068	854571	Stop	32
267	1894506	849346	Stop	34
272	1902600	853098	Pretimed	34
273	1902065	852662	Pretimed	34
302	1861003	875622	Stop	26
303	1860450	875186	Stop	26
308	1868304	891041	Stop	19
322	1835238	895469	Stop	17
323	1834676	895072	Stop	17
331	1824807	891723	Pretimed	17
350	1823747	884118	Stop	25
354	1835799	906986	Stop	17
358	1826624	902132	Stop	17
359	1826137	901705	Stop	17
382	1927396	842532	Stop	35
393	1942238	827663	Pretimed	48
397	1840210	922799	Stop	11
399	1828255	933751	Stop	10
400	1825745	936206	Stop	10
404	1869018	933975	Stop	12
420	1851300	955539	Yield	5
446	1969584	923355	Pretimed	16
447	1969639	922538	Stop	16
448	1970546	918993	Pretimed	16
457	1974218	925375	Pretimed	16
458	1974034	926067	Pretimed	16

Node	X Coordinate (ft)	Y Coordinate (ft)	Control Type	Grid Number
459	1973850	926725	Pretimed	16
460	1973598	927665	Pretimed	16
463	1969317	935131	Yield	16
469	1962095	947214	Stop	9
479	1940013	892676	Stop	22
482	1931941	900827	Stop	21
500	1903122	926920	Yield	13
527	1894645	936764	Stop	13
536	1868872	895862	Stop	19
545	1862986	922093	Stop	12
550	1964975	915338	Stop	16
584	1924062	955240	Yield	7
594	1909281	952258	Stop	6
601	1911161	865403	Stop	35
605	1918180	848835	Stop	35
610	1928355	857925	Stop	35
612	1934327	834519	Pretimed	46
615	1934959	841889	Pretimed	46
619	1945994	844321	Pretimed	36
630	1938052	831492	Pretimed	46
631	1940848	833793	Stop	46
633	1946188	835599	Stop	47
642	1968923	894388	Yield	23
646	1962281	881967	Stop	31
652	1965497	900096	Stop	23
655	1959414	863337	Stop	37
659	1967367	865431	Stop	37
668	1952124	890379	Stop	30
679	1886283	838746	Stop	41
684	1892686	849075	Pretimed	34
686	1907342	838209	Pretimed	41
691	1903740	829368	Stop	41
700	1894831	843105	Stop	34
710	1918583	838193	Stop	42
717	1920631	839702	Stop	42
719	1839724	844591	Stop	32
722	1863353	831314	Stop	40
725	1865777	832965	Stop	40

Node	X Coordinate (ft)	Y Coordinate (ft)	Control Type	Grid Number
726	1872125	835489	Stop	40
733	1844027	837778	Stop	39
739	1853671	849858	Stop	32
749	1869063	845416	Stop	33
751	1876870	841585	Stop	40
767	1872413	859055	Stop	33
774	1861054	858669	Stop	32
775	1862229	861286	Stop	33
781	1890101	848848	Pretimed	34
796	1831959	914399	Stop	17
798	1913276	921193	Stop	14
806	1822011	887157	Pretimed	25
808	1820403	890653	Pretimed	17
809	1819990	891514	Pretimed	17
810	1819404	892307	Pretimed	17
811	1818491	891066	Stop	17
813	1816406	896442	Pretimed	17
822	1946539	824365	Pretimed	49
843	1820805	891629	Pretimed	17
848	1815511	897807	Pretimed	17
855	1894349	848623	Stop	34
858	1855883	865773	Pretimed	32
865	1928364	840412	Stop	43
868	1946797	824324	Stop	49
870	1947425	824291	Stop	49
876	1875629	867952	Stop	27
877	1875868	868936	Stop	27
919	1948780	824120	Pretimed	49
921	1819933	893357	Pretimed	17
932	1875529	859918	Stop	33
933	1875094	846501	Stop	33
935	1946313	824468	Stop	49

APPENDIX L

Protective Action Zone Boundaries

L. PROTECTIVE ACTION ZONE BOUNDARIES

PAZ A-0 County: Fairfield

Defined as the area within the following boundaries: Bounded on the north by a line from Friendship Church on Cole Trofel Road east across Monticello Reservoir to the northern junction of S-213 and S-215. Bounded on the east by both sides of S-215 from the junction of S-213 and S-215 to Parr Road. Bounded on the south by both sides of Parr Road. Bounded on the west by Broad River, from the Broad River along the south side of the dirt extension of Cole Trofel Road and along the east side of Cole Trofel Road to Friendship Church.

PAZ A-1 County: Fairfield

Defined as the area within the following boundaries: Bounded on the north by Dawkins Road from the Broad River to Meadow Lake Road. Bounded on the east by S-215 to the south end of the town of Monticello. Bounded on the south by a line from south of the town of Monticello on S-215 to Friendship Church along the dirt extension of Cole Trofel Road to the Broad River. Bounded on the west by the Broad River.

PAZ A-2 County: Fairfield

Defined as the area within the following boundaries: Bounded on the north by Buckhead Road. Bounded on the east by Possum Branch Road to S-34 east to the junction of S-34 and Clark Bridge Road. Bounded on the south by both sides of Dawkins Road, Meadow Lake Road, and Clark Bridge Road. Bounded on the west by the Broad River.

PAZ B-1 County: Fairfield

Defined as the area within the following boundaries: Bounded on the north by both sides of Clark Bridge Road. Bounded on the east by the Little River. Bounded on the south by both sides of S-213. Bounded on the west by both sides of S-215.

PAZ B-2 County: Fairfield

Defined as the area within the following boundaries: Bounded on the north by both sides of Clark Bridge Road and S-34. Bounded on the east by both sides of Jackson Creek Road. Bounded on the south by both sides of Reservoir Road, Landis Road, and S-213. Bounded on the west by the Little River.

PAZ C-1

County: Fairfield

Defined as the area within the following boundaries: Bounded on the north by both sides of S-212 and Landis Road. Bounded on the east by both sides of Koon Store Road, Glenn's Bridge Road, S-215, and Wallaceville Road. Bounded on the south by the Broad River. Bounded on the west by Parr Road and both sides of S-213 and S-215.

PAZ C-2

County: Fairfield

Defined as the area within the following boundaries: Bounded on the north by both sides of Reservoir Road, Rion Road, and Keller Miller Road to include both Kelly Miller and Greenbriar Schools. Bounded on the east by both sides of S-269 and Bookmans Mill Road then along the Fairfield County line to the Broad River. Bounded on the south by the Broad River. Bounded on the west by both sides of Wallaceville Road, S-215, Glenn's Bridge Road, Koon Store Road and Landis Road.

PAZ D-1

County: Richland

Defined as the area within the following boundaries: Bounded on the north and east by the Broad River. Bounded on the south by both sides of Kennerly Road, Mt. Vernon Church Road, and I-26. Bounded on the west by the Richland County line.

PAZ D-2

County: Lexington

Defined as the area within the following boundaries: Bounded on the north, west, and east by the Lexington County line. Bounded on the south by both sides of US-76 (Chapin Road), Murray Lindler Road, Old Lexington Road including Chapin Elementary School, the Town of Chapin, and then US-76.

PAZ E-1

County: Newberry

Defined as the area within the following boundaries: Bounded on the north by Cannons Creek. Bounded on the east by the Broad River. Bounded on the south by Peak (by the Newberry County line) and both sides of Capers Chapel Road. Bounded on the west by both sides of US 176 and the Town of Pomaria and New Hope Road.

PAZ E-2

County: Newberry

Defined as the area within the following boundaries: Bounded on the north by both sides of US-176. Bounded on the east by the Newberry County line. Bounded on the south by both sides of Nursery Road, US-76, the Town of Little Mountain, and US-76 including Mid-Carolina School. Bounded on the west by both sides of Old Jolly Street Road to I-26 east to S-773 north to US -176 in Pomaria.

PAZ F-1 County: Newberry

Defined as the area within the following boundaries: Bounded on the north and east by the Broad River. Bounded on the south by Cannons Creek. Bounded on the west by both sides of New Hope Road.

PAZ F-2 County: Newberry

Defined as the area within the following boundaries: Bounded on the north by both sides of Mt. Pleasant Road, Broad River Road, and S-34. Bounded on the east by the Broad River, both sides of New Hope Road, S-773, and US-176. Bounded on the south by both sides of I-26. Bounded on the west by both sides of Bachman Chapel Road, Mud Creek Road, Livingston Road, and Ringer Road.

APPENDIX M

Evacuation Sensitivity Studies

M. APPENDIX M: EVACUATION SENSITIVITY STUDIES

This appendix presents the results of a series of sensitivity analyses. These analyses are designed to identify changes in Evacuation Time Estimates (ETE) to changes in some base evacuation conditions.

M.1 Effect of Changes in Trip Generation Times

A sensitivity study was performed to determine whether changes in the estimated trip generation time have an effect on the ETE for the entire EPZ. Specifically, if the tail of the mobilization distribution were truncated (i.e., if those who responded most slowly to the Advisory to Evacuate, could be persuaded to respond much more rapidly), how would the ETE be affected? The case considered was Scenario 6, Region 3; a winter, midweek, midday, good weather evacuation of the entire EPZ. Table M-1 presents the results of this study.

Table M-1. Evacuation Time Estimates for Trip Generation Sensitivity Study

Trip Generation Period	Evacuation Time Estimate for Entire EPZ	
	90 th Percentile	100 th Percentile
2 Hours 30 Minutes	2:10	2:40
3 Hours 30 Minutes	2:15	3:40
4 Hours 45 Minutes (Base)	2:25	4:55

The results confirm the importance of accurately estimating the trip generation (mobilization) times. The ETE for the 100th percentile closely mirror the values for the time the last evacuation trip is generated. In contrast, the 90th percentile ETE is insensitive to truncating the tail of the mobilization time distribution. As indicated in Section 7.3, there is no congestion within the EPZ after the Advisory to Evacuate.

The results of this sensitivity study indicate that programs to educate the public and encourage them toward faster responses for a radiological emergency, translates into shorter ETE at the 100th percentile. The results also justify the guidance to employ the [stable] 90th percentile ETE when making protective action recommendations and decisions.

M.2 Effect of Changes in the Number of People in the Shadow Region Who Relocate

A sensitivity study was conducted to determine the effect on ETE of changes in the percentage of people who decide to relocate from the Shadow Region. The case considered was Scenario 6, Region 3; a winter, midweek, midday, good weather evacuation for the entire EPZ. The movement of people in the Shadow Region has the potential to impede vehicles evacuating from an Evacuation Region within the EPZ. Refer to Section 7.1 for additional information on population within the Shadow Region.

Table M-2 presents the ETE for each of the cases considered. The results show that reducing the shadow evacuation percentage does not materially affect the ETE at either the 90th or 100th percentiles. However, tripling the shadow percentage does affect the 90th percentile ETE, increasing it by 30 minutes.

Table M-2. Evacuation Time Estimates for Shadow Sensitivity Study

Percent Shadow Evacuation	Evacuating Shadow Vehicles	Evacuation Time Estimate for Entire EPZ	
		90 th Percentile	100 th Percentile
0	0	2:15	4:55
15	5,105	2:15	4:55
20 (Base)	6,806	2:25	4:55
60	20,418	2:45	5:00

M.3 Effect of Changes in EPZ Resident Population

A sensitivity study was conducted to determine the effect on ETE of changes in the resident population within the EPZ. As population in the EPZ changes over time, the time required to evacuate the public may increase, decrease, or remain the same. Since the ETE is related to the demand to capacity ratio present within the EPZ, changes in population will cause the demand side of the equation to change. The sensitivity study was conducted using the following planning assumptions:

1. The change in population within the EPZ was treated parametrically. The percent population change was varied between $\pm 30\%$. Changes in population were applied to permanent residents only (as per federal guidance), in both the EPZ area and the Shadow Region.
2. The transportation infrastructure remained fixed; the presence of new roads or highway capacity improvements was not considered.
3. The study was performed for the 2-Mile Region (R01), the 5-Mile Region (R02), and the entire EPZ (R03).
4. The good weather scenario which yielded the highest ETE values was selected as the case considered in the sensitivity study (Scenario 6).

Table M-3 presents the results of the sensitivity study. Section IV of Appendix E to 10 CFR Part 50, and NUREG/CR-7002, Section 5.4, require licensees to provide an updated ETE analysis to the NRC when a population increase within the EPZ causes ETE values (for the 2-Mile Region, 5-Mile Region, or entire EPZ) to increase by 25 percent or 30 minutes, whichever is less. Note that the base ETE values for the 5-Mile and entire EPZ are greater than 2 hours; 25 percent of the base ETE is always greater than 30 minutes. Therefore, 30 minutes is the lesser and is the criterion for updating for the 5-Mile and entire EPZ ETE. The base ETE for the 2-Mile region is 1:35; the criterion for updating would be 25 percent of this, or 25 minutes (rounded to nearest 5 minutes).

The ETE values for the 90th percentile and the 100th percentile are insensitive to changes in population between ± 30 percent. The existing highway network has sufficient reserve capacity to accommodate any reasonable population increase. Reducing population has no effect because the ETE values reflect a minimum evacuation time consistent with trip generation estimates. None of the ETE meet the criteria for updating ETE between decennial Censuses.

Table M-3. ETE Variation with Population Change

Resident Population	Base	Population Change			Base	Population Change		
		10%	20%	30%		-10%	-20%	-30%
	12,988	14,287	15,586	16,884	12,988	11,689	10,390	9,092
ETE for 90th Percentile								
Region	Base	Population Change			Base	Population Change		
		10%	20%	30%		-10%	-20%	-30%
2-MILE	1:35	1:40	1:45	1:45	1:35	1:35	1:35	1:35
5-MILE	2:15	2:20	2:20	2:20	2:15	2:15	2:15	2:10
FULL EPZ	2:25	2:25	2:25	2:25	2:25	2:25	2:25	2:25
ETE for 100th Percentile								
Region	Base	Population Change			Base	Population Change		
		10%	20%	30%		-10%	-20%	-30%
2-MILE	4:45	4:45	4:45	4:45	4:45	4:45	4:45	4:45
5-MILE	4:50	4:50	4:50	4:50	4:50	4:50	4:50	4:50
FULL EPZ	4:55	4:55	4:55	4:55	4:55	4:55	4:55	4:55

APPENDIX N
ETE Criteria Checklist

N. ETE CRITERIA CHECKLIST

Table N-1. ETE Review Criteria Checklist

NRC Review Criteria	Criterion Addressed in ETE Analysis	Comments
1.0 Introduction		
a. The emergency planning zone (EPZ) and surrounding area should be described.	Yes	Section 1
b. A map should be included that identifies primary features of the site, including major roadways, significant topographical features, boundaries of counties, and population centers within the EPZ.	Yes	Figure 1-1
c. A comparison of the current and previous ETE should be provided and includes similar information as identified in Table 1-1, "ETE Comparison," of NUREG/CR-7002.	Yes	Table 1-3
1.1 Approach		
a. A discussion of the approach and level of detail obtained during the field survey of the roadway network should be provided.	Yes	Section 1.3
b. Sources of demographic data for schools, special facilities, large employers, and special events should be identified.	Yes	Section 2.1 Section 3
c. Discussion should be presented on use of traffic control plans in the analysis.	Yes	Section 1.3, Section 2.2, Section 9, Appendix G
d. Traffic simulation models used for the analyses should be identified by name and version.	Yes	Section 1.3, Table 1-3, Appendix B, Appendix C

NRC Review Criteria	Criterion Addressed in ETE Analysis	Comments
e. Methods used to address data uncertainties should be described.	Yes	Section 3 – avoid double counting Section 5, Appendix F – 4% sampling error at 95% confidence interval for telephone survey
1.2 Assumptions		
a. The planning basis for the ETE includes the assumption that the evacuation should be ordered promptly and no early protective actions have been implemented.	Yes	Section 2.3 – Assumption 1 Section 5.1
b. Assumptions consistent with Table 1-2, “General Assumptions,” of NUREG/CR-7002 should be provided and include the basis to support their use.	Yes	Sections 2.2, 2.3
1.3 Scenario Development		
a. The ten scenarios in Table 1-3, Evacuation Scenarios, should be developed for the ETE analysis, or a reason should be provided for use of other scenarios.	Yes	Tables 2-1, 6-2
1.3.1 Staged Evacuation		
a. A discussion should be provided on the approach used in development of a staged evacuation.	Yes	Sections 5.4.2, 7.2
1.4 Evacuation Planning Areas		
a. A map of EPZ with emergency response planning areas (ERPAs) should be included.	Yes	Figure 6-1
b. A table should be provided identifying the ERPAs considered for each ETE calculation by downwind direction in each sector.	Yes	Table 6-1

NRC Review Criteria	Criterion Addressed in ETE Analysis	Comments
c. A table similar to Table 1-4, "Evacuation Areas for a Staged Evacuation Keyhole," of NUREG/CR-7002 should be provided and includes the complete evacuation of the 2, 5, and 10 mile areas and for the 2 mile area/5 mile keyhole evacuations.	Yes	Table 7-5
2.0 Demand Estimation		
a. Demand estimation should be developed for the four population groups, including permanent residents of the EPZ, transients, special facilities, and schools.	Yes	Permanent residents, employees, transients – Section 3, Appendix E Special facilities, schools – Section 8, Appendix E
2.1 Permanent Residents and Transient Population		
a. The US Census should be the source of the population values, or another credible source should be provided.	Yes	Section 3.1
b. Population values should be adjusted as necessary for growth to reflect population estimates to the year of the ETE.	Yes	2010 used as the base year for analysis. No growth of population necessary.
c. A sector diagram should be included, similar to Figure 2-1, "Population by Sector," of NUREG/CR-7002, showing the population distribution for permanent residents.	Yes	Figure 3-2
2.1.1 Permanent Residents with Vehicles		
a. The persons per vehicle value should be between 1 and 2 or justification should be provided for other values.	Yes	1.01 persons per vehicle – Table 1-3
b. Major employers should be listed.	Yes	Appendix E – Table E-3
2.1.2 Transient Population		

NRC Review Criteria	Criterion Addressed in ETE Analysis	Comments
a. A list of facilities which attract transient populations should be included, and peak and average attendance for these facilities should be listed. The source of information used to develop attendance values should be provided.	Yes	Sections 3.3, 3.4, Appendix E
b. The average population during the season should be used, itemized and totaled for each scenario.	Yes	Tables 3-4, 3-5 and Appendix E itemize the transient population and employee estimates. These estimates are multiplied by the scenario specific percentages provided in Table 6-3 to estimate transient population by scenario.
c. The percent of permanent residents assumed to be at facilities should be estimated.	Yes	Sections 3.3, 3.4
d. The number of people per vehicle should be provided. Numbers may vary by scenario, and if so, discussion on why values vary should be provided.	Yes	Sections 3.3, 3.4
e. A sector diagram should be included, similar to Figure 2-1 of NUREG/CR-7002, showing the population distribution for the transient population.	Yes	Figure 3-4 – transients Figure 3-6 – employees
2.2 Transit Dependent Permanent Residents		
a. The methodology used to determine the number of transit dependent residents should be discussed.	Yes	Section 8.1, Table 8-1
b. Transportation resources needed to evacuate this group should be quantified.	Yes	Section 8.1, Tables 8-5, 8-10
c. The county/local evacuation plans for transit dependent residents should be used in the analysis.	Yes	Sections 8.1, 8.4

NRC Review Criteria	Criterion Addressed in ETE Analysis	Comments
d. The methodology used to determine the number of people with disabilities and those with access and functional needs who may need assistance and do not reside in special facilities should be provided. Data from local/county registration programs should be used in the estimate, but should not be the only set of data.	Yes	Section 8.5
e. Capacities should be provided for all types of transportation resources. Bus seating capacity of 50% should be used or justification should be provided for higher values.	Yes	Section 2.3 – Assumption 10 Sections 3.5, 8.1, 8.2, 8.3
f. An estimate of this population should be provided and information should be provided that the existing registration programs were used in developing the estimate.	Yes	Table 8-1 – transit dependents Section 8.4 – special needs
g. A summary table of the total number of buses, ambulances, or other transport needed to support evacuation should be provided and the quantification of resources should be detailed enough to assure double counting has not occurred.	Yes	Section 8.4 – page 8-6 Table 8-5, Section 8.3
2.3 Special Facility Residents		
a. A list of special facilities, including the type of facility, location, and average population should be provided. Special facility staff should be included in the total special facility population.	Yes	Appendix E, Tables E-1, E-2 – list facilities, type, location, and population
b. A discussion should be provided on how special facility data was obtained.	Yes	Sections 8.2, 8.3

NRC Review Criteria	Criterion Addressed in ETE Analysis	Comments
c. The number of wheelchair and bed-bound individuals should be provided.	Yes	Section 3.5
d. An estimate of the number and capacity of vehicles needed to support the evacuation of the facility should be provided.	Yes	Section 8.3 Tables 8-4, 8-5
e. The logistics for mobilizing specially trained staff (e.g., medical support or security support for prisons, jails, and other correctional facilities) should be discussed when appropriate.	Yes	Section 3.5 - No correctional facilities exist within the EPZ. Section 8.4 – page 8-9
2.4 Schools		
a. A list of schools including name, location, student population, and transportation resources required to support the evacuation, should be provided. The source of this information should be provided.	Yes	Table 8-2 Section 8.2
b. Transportation resources for elementary and middle schools should be based on 100% of the school capacity.	Yes	Table 8-2
c. The estimate of high school students who will use their personal vehicle to evacuate should be provided and a basis for the values used should be discussed.	Yes	Section 8.2
d. The need for return trips should be identified if necessary.	Yes	There are sufficient resources to evacuate schools in a single wave. However, Section 8.3 and Figure 8-1 discuss the potential for a multiple wave evacuation

NRC Review Criteria	Criterion Addressed in ETE Analysis	Comments
2.5.1 Special Events		
a. A complete list of special events should be provided and includes information on the population, estimated duration, and season of the event.	Yes	Section 3.7
b. The special event that encompasses the peak transient population should be analyzed in the ETE.	Yes	Section 3.7
c. The percent of permanent residents attending the event should be estimated.	Yes	Section 3.7
2.5.2 Shadow Evacuation		
a. A shadow evacuation of 20 percent should be included for areas outside the evacuation area extending to 15 miles from the NPP.	Yes	Section 2.2 – Assumption 5 Figure 2-1 Section 3.2
b. Population estimates for the shadow evacuation in the 10 to 15 mile area beyond the EPZ are provided by sector.	Yes	Section 3.2 Table 3-3
c. The loading of the shadow evacuation onto the roadway network should be consistent with the trip generation time generated for the permanent resident population.	Yes	Section 5 – Table 5-8
2.5.3 Background and Pass Through Traffic		
a. The volume of background traffic and pass through traffic is based on the average daytime traffic. Values may be reduced for nighttime scenarios.	Yes	Section 3.6 Table 3-6 Section 6 Table 6-3

NRC Review Criteria	Criterion Addressed in ETE Analysis	Comments
b. Pass through traffic is assumed to have stopped entering the EPZ about two hours after the initial notification.	Yes	Section 2.3 – Assumption 5 Section 3.6
2.6 Summary of Demand Estimation		
a. A summary table should be provided that identifies the total populations and total vehicles used in analysis for permanent residents, transients, transit dependent residents, special facilities, schools, shadow population, and pass-through demand used in each scenario.	Yes	Tables 3-7, 3-8
3.0 Roadway Capacity		
a. The method(s) used to assess roadway capacity should be discussed.	Yes	Section 4
3.1 Roadway Characteristics		
a. A field survey of key routes within the EPZ has been conducted.	Yes	Section 1.3
b. Information should be provided describing the extent of the survey, and types of information gathered and used in the analysis.	Yes	Section 1.3
c. A table similar to that in Appendix A, "Roadway Characteristics," of NUREG/CR-7002 should be provided.	Yes	Appendix K, Table K-1
d. Calculations for a representative roadway segment should be provided.	Yes	Section 4

NRC Review Criteria	Criterion Addressed in ETE Analysis	Comments
e. A legible map of the roadway system that identifies node numbers and segments used to develop the ETE should be provided and should be similar to Figure 3-1, "Roadway Network Identifying Nodes and Segments," of NUREG/CR-7002.	Yes	Appendix K, Figures K-1 through K-50 present the entire link-node analysis network at a scale suitable to identify all links and nodes
3.2 Capacity Analysis		
a. The approach used to calculate the roadway capacity for the transportation network should be described in detail and identifies factors that should be expressly used in the modeling.	Yes	Section 4
b. The capacity analysis identifies where field information should be used in the ETE calculation.	Yes	Section 1.3, Section 4
3.3 Intersection Control		
a. A list of intersections should be provided that includes the total number of intersections modeled that are unsignalized, signalized, or manned by response personnel.	Yes	Appendix K, Table K-2
b. Characteristics for the 10 highest volume intersections within the EPZ are provided including the location, signal cycle length, and turn lane queue capacity.	Yes	Table J-1
c. Discussion should be provided on how signal cycle time is used in the calculations.	Yes	Section 4.1, Appendix C.
3.4 Adverse Weather		

NRC Review Criteria	Criterion Addressed in ETE Analysis	Comments
a. The adverse weather condition should be identified and the effects of adverse weather on mobilization time should be considered.	Yes	Table 2-1, Section 2.3 – Assumption 9 Mobilization time – Table 2-2, Section 5.3 (page 5-10)
b. The speed and capacity reduction factors identified in Table 3-1, “Weather Capacity Factors,” of NUREG/CR-7002 should be used or a basis should be provided for other values.	Yes	Table 2-2 – based on HCM 2010. The factors provided in Table 3-1 of NUREG/CR-7002 are from HCM 2000.
c. The study identifies assumptions for snow removal on streets and driveways, when applicable.	Yes	Not Applicable
4.0 Development of Evacuation Times		
4.1 Trip Generation Time		
a. The process used to develop trip generation times should be identified.	Yes	Section 5
b. When telephone surveys are used, the scope of the survey, area of survey, number of participants, and statistical relevance should be provided.	Yes	Appendix F
c. Data obtained from telephone surveys should be summarized.	Yes	Appendix F
d. The trip generation time for each population group should be developed from site specific information.	Yes	Section 5, Appendix F
4.1.1 Permanent Residents and Transient Population		

NRC Review Criteria	Criterion Addressed in ETE Analysis	Comments
a. Permanent residents are assumed to evacuate from their homes but are not assumed to be at home at all times. Trip generation time includes the assumption that a percentage of residents will need to return home prior to evacuating.	Yes	Section 5 discusses trip generation for households with and without returning commuters. Table 6-3 presents the percentage of households with returning commuters and the percentage of households either without returning commuters or with no commuters. Appendix F presents the percent households who will await the return of commuters.
b. Discussion should be provided on the time and method used to notify transients. The trip generation time discusses any difficulties notifying persons in hard to reach areas such as on lakes or in campgrounds.	Yes	Section 5.4.3
c. The trip generation time accounts for transients potentially returning to hotels prior to evacuating.	Yes	Section 5, Figure 5-1
d. Effect of public transportation resources used during special events where a large number of transients should be expected should be considered.	Yes	Section 3.7
e. The trip generation time for the transient population should be integrated and loaded onto the transportation network with the general public.	Yes	Section 5, Table 5-9
4.1.2 Transit Dependent Residents		

NRC Review Criteria	Criterion Addressed in ETE Analysis	Comments
a. If available, existing plans and bus routes should be used in the ETE analysis. If new plans should be developed with the ETE, they have been agreed upon by the responsible authorities.	Yes	Section 8.3 – Pre-established bus routes do not exist. Basic bus routes were developed for the ETE analysis – see Figure 8-2, Table 8-10.
b. Discussion should be included on the means of evacuating ambulatory and non-ambulatory residents.	Yes	Section 8.4
c. The number, location, and availability of buses, and other resources needed to support the demand estimation should be provided.	Yes	Section 8.4
d. Logistical details, such as the time to obtain buses, brief drivers, and initiate the bus route should be provided.	Yes	Section 8.4, Figure 8-1
e. Discussion should identify the time estimated for transit dependent residents to prepare and travel to a bus pickup point, and describes the expected means of travel to the pickup point.	Yes	Section 8.3
f. The number of bus stops and time needed to load passengers should be discussed.	Yes	Section 8.3
g. A map of bus routes should be included.	Yes	Figure 8-2
h. The trip generation time for non-ambulatory persons includes the time to mobilize ambulances or special vehicles, time to drive to the home of residents, loading time, and time to drive out of the EPZ should be provided.	Yes	Section 8.4
i. Information should be provided to supports analysis of return trips, if necessary.	Yes	Sections 8.3, 8.4 Figure 8-1 Tables 8-1 through 8-13

NRC Review Criteria	Criterion Addressed in ETE Analysis	Comments
4.1.3 Special Facilities		
a. Information on evacuation logistics and mobilization times should be provided.	Yes	Section 8.4, Tables 8-7 through 8-9, 8-11 through 8-13
b. Discussion should be provided on the inbound and outbound speeds.	Yes	Sections 8.4.
c. The number of wheelchair and bed-bounds individuals should be provided, and the logistics of evacuating these residents should be discussed.	Yes	Tables 8-4
d. Time for loading of residents should be provided	Yes	Section 8.4
e. Information should be provided that indicates whether the evacuation can be completed in a single trip or if additional trips should be needed.	Yes	Section 8.4, Table 8-5
f. If return trips should be needed, the destination of vehicles should be provided.	Yes	Section 8.4
g. Discussion should be provided on whether special facility residents are expected to pass through the reception center prior to being evacuated to their final destination.	Yes	Section 8.4
h. Supporting information should be provided to quantify the time elements for the return trips.	Yes	Section 8.4. Tables 8-11 through 8-13.
4.1.4 Schools		
a. Information on evacuation logistics and mobilization time should be provided.	Yes	Section 8.4

NRC Review Criteria	Criterion Addressed in ETE Analysis	Comments
b. Discussion should be provided on the inbound and outbound speeds.	Yes	<p>School bus routes are presented in Table 8-6.</p> <p>School bus speeds are presented in Tables 8-7 (good weather), 8-8 (rain), and 8-9 (ice). Outbound speeds are defined as the minimum of the evacuation route speed and the State school bus speed limit.</p> <p>Inbound speeds are limited to the State school bus speed limit.</p>
c. Time for loading of students should be provided.	Yes	Tables 8-7 through 8-9, Discussion in Section 8.4
d. Information should be provided that indicates whether the evacuation can be completed in a single trip or if additional trips are needed.	Yes	Section 8.4 – page 8-8
e. If return trips are needed, the destination of school buses should be provided.	Yes	Return trips are not needed
f. If used, reception centers should be identified. Discussion should be provided on whether students are expected to pass through the reception center prior to being evacuated to their final destination.	Yes	Table 8-3. Students are evacuated to receiving schools where they will be picked up by parents or guardians.
g. Supporting information should be provided to quantify the time elements for the return trips.	Yes	Return trips are not needed. Tables 8-7 through 8-9 provide time needed to arrive at care center, which could be used to compute a second wave evacuation if necessary

NRC Review Criteria	Criterion Addressed in ETE Analysis	Comments
4.2 ETE Modeling		
a. General information about the model should be provided and demonstrates its use in ETE studies.	Yes	DYNEV II (Ver. 4.0.0.0). Section 1.3, Table 1-3, Appendix B, Appendix C.
b. If a traffic simulation model is not used to conduct the ETE calculation, sufficient detail should be provided to validate the analytical approach used. All criteria elements should have been met, as appropriate.	No	Not applicable as a traffic simulation model was used.
4.2.1 Traffic Simulation Model Input		
a. Traffic simulation model assumptions and a representative set of model inputs should be provided.	Yes	Appendices B and C describe the simulation model assumptions and algorithms Table J-2
b. A glossary of terms should be provided for the key performance measures and parameters used in the analysis.	Yes	Appendix A Tables C-1, C-2
4.2.2 Traffic Simulation Model Output		
a. A discussion regarding whether the traffic simulation model used must be in equilibration prior to calculating the ETE should be provided.	Yes	Appendix B

NRC Review Criteria	Criterion Addressed in ETE Analysis	Comments
<p>b. The minimum following model outputs should be provided to support review:</p> <ol style="list-style-type: none"> 1. Total volume and percent by hour at each EPZ exit node. 2. Network wide average travel time. 3. Longest queue length for the 10 intersections with the highest traffic volume. 4. Total vehicles exiting the network. 5. A plot that provides both the mobilization curve and evacuation curve identifying the cumulative percentage of evacuees who have mobilized and exited the EPZ. 6. Average speed for each major evacuation route that exits the EPZ. 	Yes	<ol style="list-style-type: none"> 1. Table J-5. 2. Table J-3. 3. Table J-1. 4. Table J-3. 5. Figures J-1 through J-14 (one plot for each scenario considered). 6. Table J-4. Network wide average speed also provided in Table J-3.
<p>c. Color coded roadway maps should be provided for various times (i.e., at 2, 4, 6 hrs., etc.) during a full EPZ evacuation scenario, identifying areas where long queues exist including level of service (LOS) "E" and LOS "F" conditions, if they occur.</p>	Yes	Figures 7-3 and 7-4
4.3 Evacuation Time Estimates for the General Public		
<p>a. The ETE should include the time to evacuate 90% and 100% of the total permanent resident and transient population</p>	Yes	Tables 7-1, 7-2

NRC Review Criteria	Criterion Addressed in ETE Analysis	Comments
b. The ETE for 100% of the general public should include all members of the general public. Any reductions or truncated data should be explained.	Yes	Section 5.4 – truncating survey data to eliminate statistical outliers Table 7-2 – 100 th percentile ETE for general public
c. Tables should be provided for the 90 and 100 percent ETEs similar to Table 4-3, “ETEs for Staged Evacuation Keyhole,” of NUREG/CR-7002.	Yes	Tables 7-3, 7-4
d. ETEs should be provided for the 100 percent evacuation of special facilities, transit dependent, and school populations.	Yes	Section 8.4 Tables 8-7 through 8-9 Tables 8-11 through 8-13
5.0 Other Considerations		
5.1 Development of Traffic Control Plans		
a. Information that responsible authorities have approved the traffic control plan used in the analysis should be provided.	Yes	Section 9, Appendix G
b. A discussion of adjustments or additions to the traffic control plan that affect the ETE should be provided.	Yes	Appendix G
5.2 Enhancements in Evacuation Time		
a. The results of assessments for improvement of evacuation time should be provided.	Yes	Section 13, Appendix M
b. A statement or discussion regarding presentation of enhancements to local authorities should be provided.	Yes	Results of the ETE study were formally presented to local authorities at the final project meeting. Recommended enhancements were discussed.

NRC Review Criteria	Criterion Addressed in ETE Analysis	Comments
5.3 State and Local Review		
a. A list of agencies contacted and the extent of interaction with these agencies should be discussed.	Yes	Table 1-1
b. Information should be provided on any unresolved issues that may affect the ETE.	Yes	There are no unresolved issues. All issues raised by stakeholders at both the project kickoff meetings and the final meeting have been addressed and incorporated in this final report.
5.4 Reviews and Updates		
a. A discussion of when an updated ETE analysis is required to be performed and submitted to the NRC.	Yes	Appendix M, Section M.3
5.5 Reception Centers and Congregate Care Center		
a. A map of congregate care centers and reception centers should be provided.	Yes	Figure 10-1
b. If return trips are required, assumptions used to estimate return times for buses should be provided.	Yes	Section 8.3 discusses a multi-wave evacuation procedure. Figure 8-1
c. It should be clearly stated if it is assumed that passengers are left at the reception center and are taken by separate buses to the congregate care center.	Yes	Section 2.3 – Assumption 7h Section 10

Technical Reviewer _____

Date _____

Supervisory Review _____

Date _____