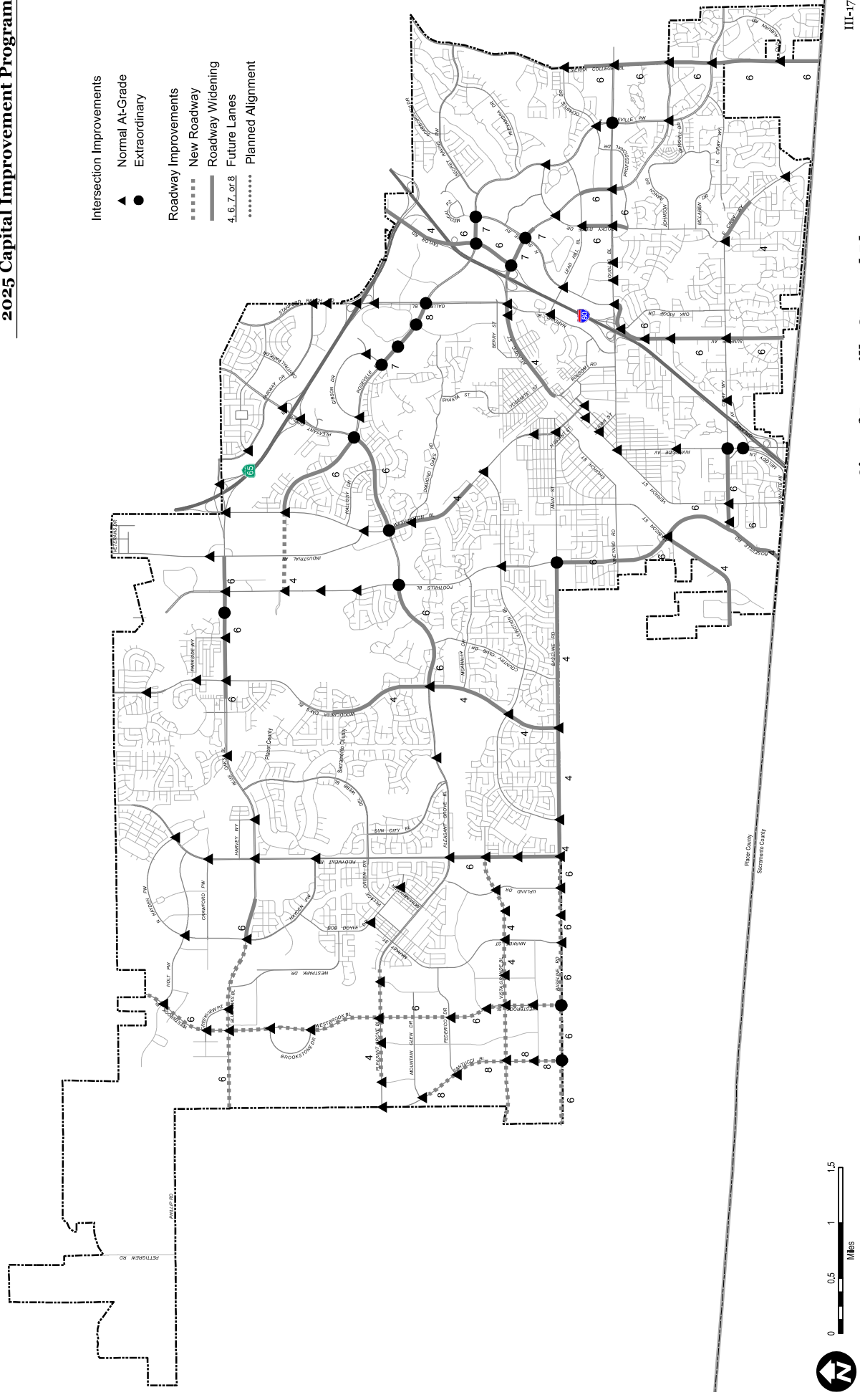


Fig. III-3
2025 Capital Improvement Program



**TABLE III-2
LEVEL OF SERVICE DEFINITIONS
SIGNALIZED INTERSECTIONS**

Level of Service (LOS)	Volume to Capacity Ratio ¹	Description
A	0.00-0.59	Free Flow/Insignificant Delays: No approach phase is fully utilized by traffic and no vehicle waits longer than one red indication.
B	0.60-0.69	Stable Operation/Minimal Delays: An occasional approach phase is fully utilized. Many drivers begin to feel somewhat restricted within platoons of vehicles.
C	0.70-0.81	Stable Operation/Acceptable Delays: Major approach phases fully utilized. Most drivers feel somewhat restricted.
D	0.82-0.89	Approaching Unstable/Tolerable Delays: Drivers may have to wait through more than one red signal indication. Queues may develop but dissipate rapidly without excessive delays.
E	0.90-0.99	Unstable Operation/Significant Delays: Volumes at or near capacity. Vehicles may wait through several signal cycles. Long queues form upstream from intersection.
F	≥1.00	Forced Flow/Excessive Delays: Represents jammed conditions. Intersection operates below capacity with low volumes. Queues may block upstream intersections.

Source: *Highway Capacity Manual*, Transportation Research Board, Special Report No. 209, Washington DC, 1985.

1. The ratio of the traffic volume demand at an intersection to the capacity of the intersection.

**TABLE III-3
EXISTING AND 2025 PM PEAK HOUR LEVELS OF SERVICE
AT SIGNALIZED INTERSECTIONS
IN THE CITY OF ROSEVILLE**

INTERSECTION		EXISTING CONDITIONS		2025 CONDITIONS	
ID	NAME	LOS	V/C	LOS	V/C
1	Atlantic & Tiger/Center	A	0.36	A	0.48
2	Atlantic & Wills	A	0.49	C	0.77
3	Atlantic St & Yosemite St	A	0.50	B	0.68
4	Baseline Rd & Fiddymment Rd	D	0.95	F	1.03
5	Blue Oaks & Crocker Ranch	A	0.23	B	0.69
6	Blue Oaks & Del Webb	A	0.16	B	0.63
7	Blue Oaks & Fiddymment	A	0.18	C	0.78
8	Blue Oaks & New Meadow	A	0.38	C	0.71
9	Blue Oaks & Orchard View	A	0.09	B	0.63
10	Blue Oaks Bl & Diamond Creek Bl	A	0.30	E	0.99
11	Blue Oaks Bl & Foothills Bl	A	0.58	F	1.33
12	Blue Oaks Bl & Woodcreek Oaks Bl	A	0.41	B	0.68
13	Cirby & Sunrise	D	0.82	F	1.08
14	Cirby Wy & Foothills Bl	B	0.68	F	1.12
15	Cirby Wy & Melody Ln	B	0.68	B	0.62
16	Cirby Wy & Northridge Dr	B	0.65	E	0.93
17	Cirby Wy & Oak Ridge Dr	A	0.53	B	0.70
18	Cirby Wy & Orlando Av	C	0.74	D	0.89
19	Cirby Wy & Parkview Dr	A	0.46	A	0.53
20	Cirby Wy & Riverside Av	D	0.83	F	1.15
21	Cirby Wy & Rocky Ridge Dr	C	0.73	B	0.64
22	Cirby Wy & San Simeon Dr	A	0.53	B	0.65
23	Cirby Wy & Vernon St	D	0.85	F	1.28
24	Douglas & Eureka	A	0.57	B	0.67
25	Douglas & Rocky Ridge	C	0.74	D	0.83
26	Douglas & Santa Clara	C	0.71	C	0.70
27	Douglas & Sierra Gardens	C	0.72	B	0.68
28	Douglas & Sunrise	D	0.91	D	0.87

**TABLE III-3
(CONTINUED)
EXISTING AND 2025 PM PEAK HOUR LEVELS OF SERVICE
AT SIGNALIZED INTERSECTIONS
IN THE CITY OF ROSEVILLE**

INTERSECTION		EXISTING CONDITIONS		2025 CONDITIONS	
ID	NAME	LOS	V/C	LOS	V/C
29	Douglas & Target	A	0.48	B	0.69
30	Douglas Bl & E Roseville Pw	C	0.75	C	0.73
31	Douglas Bl & Folsom Rd	A	0.50	B	0.63
32	Douglas Bl & Harding Bl	D	0.82	E	0.97
33	Douglas Bl & Judah St	A	0.49	A	0.50
34	Douglas Bl & Keehner Av	A	0.33	A	0.49
35	Douglas Bl & Park Dr	A	0.29	A	0.42
36	Douglas Bl & Sierra College Bl	D	0.85	D	0.86
37	Eureka & Lead Hill	A	0.41	A	0.52
38	Eureka & N. Sunrise	B	0.66	C	0.75
39	Eureka & Rocky Ridge	B	0.70	C	0.74
40	Eureka Rd & Ashland Dr	A	0.18	A	0.44
41	Eureka Rd & Deer Valley Apts	A	0.30	A	0.40
42	Fairway & Central Park/Lowes	A	0.38	A	0.53
43	Fairway & Cortina Circle	A	0.24	A	0.46
44	Fairway & Five Star	A	0.31	A	0.44
45	Fairway & Home Depot	A	0.32	A	0.52
46	Fairway & Target/Rosehall	A	0.31	A	0.44
47	Fiddymment & Del Webb/Village Green	A	0.20	B	0.64
48	Fiddymment & Hayden Pkwy (North)	A	0.09	A	0.51
49	Fiddymment & Hayden Pkwy (South)	A	0.20	A	0.56
50	Foothills & Baseline/Main	B	0.70	D	0.86
51	Foothills & Misty Wood/NEC	A	0.23	A	0.57
52	Foothills Bl & Albertsons Dr	A	0.22	B	0.66
53	Foothills Bl & Atkinson Rd	C	0.72	A	0.56
54	Foothills Bl & Roseville Pkwy/HP (Central)	A	0.25	D	0.85
55	Foothills Bl & HP (South)	A	0.34	A	0.54
56	Foothills Bl & Junction Bl	C	0.74	D	0.84

**TABLE III-3
(CONTINUED)
EXISTING AND 2025 PM PEAK HOUR LEVELS OF SERVICE
AT SIGNALIZED INTERSECTIONS
IN THE CITY OF ROSEVILLE**

INTERSECTION		EXISTING CONDITIONS		2025 CONDITIONS	
ID	NAME	LOS	V/C	LOS	V/C
57	Foothills Bl & McAnally Dr	A	0.54	D	0.87
58	Foothills Bl & Pleasant Grove Bl	B	0.67	E	.99
59	Foothills Blvd & Rand/Pilgrims	A	0.43	A	0.59
60	Foothills Bl & Vineyard Rd	A	0.55	D	0.83
61	Galleria & Antelope Creek	A	0.54	B	0.66
62	Galleria & Berry	A	0.49	D	0.85
63	Galleria & Roseville Pkwy	D	0.85	F	1.01
64	Harding & Wills	A	0.47	C	0.80
65	Harding Bl & Estates Dr	A	0.50	C	0.71
66	Harding Bl & Lead Hill Bl	A	0.60	C	0.79
67	Harding Bl & Roseville Square	A	0.49	B	0.62
68	Junction & Stonecrest/Magenta	A	0.15	A	0.50
69	Junction Bl & Americana Dr	A	0.26	A	0.59
70	Junction Bl & Baseline Rd	A	0.46	D	0.86
71	Junction Bl & Country Club Dr	A	0.33	C	0.74
72	Junction Bl & Park Regency Dr	A	0.19	A	0.60
73	Junction Bl & Porter Dr	A	0.32	B	0.68
74	Junction Bl & Revere Dr	A	0.26	B	0.63
75	Junction Bl & Washington Bl	B	0.61	E	0.95
76	Junction Bl & Woodcreek Oaks Bl	A	0.31	B	0.64
77	Lead Hill Bl & N Sunrise Av	C	0.80	C	0.74
78	Lead Hill Bl & Rocky Ridge Dr	A	0.54	B	0.63
79	Lead Hill Bl & Wal-Mart	A	0.33	A	0.41
80	N Sunrise Av & Automall Dr	A	0.51	A	0.53
81	N Sunrise Av & Stone Point Dr	A	0.21	A	0.60
82	N. Sunrise & Sierra Gardens	A	0.60	B	0.62
83	Olympus Dr & Europa St	A	0.11	A	0.19
84	PFE & Hilltop	A	0.30	A	0.44

**TABLE III-3
(CONTINUED)
EXISTING AND 2025 PM PEAK HOUR LEVELS OF SERVICE
AT SIGNALIZED INTERSECTIONS
IN THE CITY OF ROSEVILLE**

INTERSECTION		EXISTING CONDITIONS		2025 CONDITIONS	
ID	NAME	LOS	V/C	LOS	V/C
85	Pleasant Grove & Fairway	B	0.68	E	0.96
86	Pleasant Grove & Fiddymment	A	0.27	E	0.95
87	Pleasant Grove & Gold Coast/Hallissy	A	0.52	C	0.81
88	Pleasant Grove & Highland Park	A	0.41	A	0.57
89	Pleasant Grove & Market	A	0.04	A	0.53
90	Pleasant Grove & Michener	A	0.30	C	0.79
91	Pleasant Grove & Monument	A	0.06	A	0.39
92	Pleasant Grove & Rose Creek	A	0.30	C	0.80
93	Pleasant Grove & Roseville Pkwy	A	0.72	F	1.20
94	Pleasant Grove & Sun City	A	0.23	B	0.71
95	Pleasant Grove & Wal-Mart/Highland Pointe	B	0.68	D	0.82
96	Pleasant Grove & Washington	B	0.69	D	0.90
97	Pleasant Grove Bl & Country Club Dr	A	0.36	B	0.63
98	Pleasant Grove Bl & Woodcreek Oaks Bl	A	0.54	D	0.85
99	Rocky Ridge Dr & Maidu Dr	A	0.49	B	0.50
100	Rocky Ridge Dr & McLaren Dr	A	0.42	A	0.50
101	Rocky Ridge Dr & Professional Dr	B	0.62	B	0.67
102	Rocky Ridge Dr & Stone Point Dr	A	0.15	A	0.26
103	Roseville Parkway & Chase	A	0.45	D	0.82
104	Roseville Parkway & Creekside Ridge	B	0.63	C	0.80
105	Roseville Parkway & Gibson	A	0.44	D	0.84
106	Roseville Parkway & N. Sunrise	C	0.75	D	0.91
107	Roseville Parkway & Reserve	A	0.46	C	0.81
108	Roseville Parkway & Secret Ravine	A	0.59	C	0.74
109	Roseville Parkway & Taylor	B	0.66	D	0.83
110	Roseville Parkway & West Mall	A	0.56	A	0.59
111	Roseville Pw & Alexandra Dr	A	0.53	B	0.61
112	Roseville Pw & Eureka Rd	B	0.62	B	0.71

**TABLE III-3
(CONTINUED)
EXISTING AND 2025 PM PEAK HOUR LEVELS OF SERVICE
AT SIGNALIZED INTERSECTIONS
IN THE CITY OF ROSEVILLE**

INTERSECTION		EXISTING CONDITIONS		2025 CONDITIONS	
ID	NAME	LOS	V/C	LOS	V/C
113	Roseville Pw & Lead Hill/Orvietto	A	0.48	B	0.66
114	Roseville Pw & N Cirby Wy	A	0.45	A	0.51
115	Roseville Pw & Olympus Dr	A	0.59	B	0.61
116	Roseville Pw & Rocky Ridge Dr	A	0.48	A	0.59
117	Roseville Pw & Sierra College Bl	C	0.79	C	0.80
118	Roseville Pw & Trestle Rd	A	0.22	B	0.65
119	Roseville Pw & Village/Slate Creek	A	0.32	A	0.52
120	Roseville Pw & Washington Bl	A	0.19	C	0.77
121	S Cirby Wy & Champion Oaks Dr	A	0.38	A	0.53
122	S Cirby Wy & Old Auburn Rd	B	0.66	C	0.75
123	Secret Ravine & Scarborough/ Poppy Field	A	0.30	A	0.33
124	Sierra College & Miners Ravine	A	0.37	A	0.45
125	Sierra College & Secret Ravine	A	0.46	A	0.59
126	Sierra College Bl & Eureka Rd	B	0.64	A	0.57
127	Sierra College Bl & Indigo Creek Apts	A	0.56	C	0.79
128	Sierra College Bl & Old Auburn Rd	D	0.82	C	0.79
129	Sierra College Bl & Olympus Dr	A	0.46	A	0.55
130	Stanford Ranch & Fairway	A	0.60	B	0.67
131	Stanford Ranch & Five Star	A	0.59	B	0.63
132	Stanford Ranch & Highland Park	A	0.36	A	0.55
133	Sunrise & Coloma	A	0.60	C	0.74
134	Sunrise & Sandringham/Kensington	A	0.55	D	0.87
135	Sunrise & Sun Tree/Kensington	B	0.65	C	0.70
136	Sunrise Av & Frances Dr	A	0.59	B	0.61
137	Sunrise Av & Oak Ridge Dr	A	0.35	A	0.45
138	Washington & Diamond Oaks	C	0.71	C	0.75
139	Washington & Sawtell/Derek	A	0.44	C	0.80
140	Washington Bl & Hallissy Dr	A	0.21	A	0.45

**TABLE III-3
(CONTINUED)
EXISTING AND 2025 PM PEAK HOUR LEVELS OF SERVICE
AT SIGNALIZED INTERSECTIONS
IN THE CITY OF ROSEVILLE**

INTERSECTION		EXISTING CONDITIONS		2025 CONDITIONS	
ID	NAME	LOS	V/C	LOS	V/C
141	Woodcreek Oaks & Baseline	B	0.65	E	0.91
142	Woodcreek Oaks & Canevari/Arsenault	A	0.52	B	0.69
143	Woodcreek Oaks & Horncastle	A	0.41	A	0.57
144	Woodcreek Oaks & McAnally	A	0.34	C	0.71
145	Woodcreek Oaks & Trailee	A	0.26	A	0.48
146	Washington Blvd & Blue Oaks Blvd	A	0.42	B	0.69
147	I-80 WB Off & Douglas Blvd	B	0.67	C	0.79
148	I-80 WB On & Atlantic St	A	0.41	A	0.56
149	SR 65 N/B Off & Pleasant Grove Blvd	D	0.85	C	0.76
150	SR 65 S/B Off & Pleasant Grove Blvd	C	0.78	C	0.72
151	I-80 WB Off & Riverside Ave	B	0.69	B	0.63
152	Stanford Ranch & Sr-65 N/B On	D	.84	D	0.87
153	Stanford Ranch/Galleria & Sr-65 S/B On	C	0.74	D	0.86
154	Taylor & Eureka I-80 EB Off	F	.96	E	0.96
155	Fairway & Highland Park	A	0.27	A	0.57
156	I-80 EB Off/Orlando & Riverside Ave	B	0.69	D	0.91
157	Roseville Pkwy & Old Auburn	n/a		A	0.41
158	Washington Blvd & Industrial	n/a		B	0.67
159	Foothills Blvd & HP Far South/ NEC	n/a		C	0.71
160	Blue Oaks Blvd & Wood Meadow	n/a		C	0.72
161	Gibson Rd & New Convention Center Rd	n/a		B	0.69
162	Blue Oaks Blvd & Westbrook Blvd	n/a		A	0.53
163	Blue Oaks Blvd & Hayden Pkwy	n/a		B	0.65
164	Fiddymment Rd & Westhills Dr	n/a		D	0.85
165	Pleasant Grove Blvd & Westbrook Blvd	n/a		A	0.47
166	Fiddymment Rd & Westlake Dr	n/a		A	0.40
167	Woodcreek Oaks Blvd & Northpark Dr	n/a		A	0.34
168	Woodcreek Oaks Blvd & Parkside Wy	n/a		A	0.46

**TABLE III-3
(CONTINUED)
EXISTING AND 2025 PM PEAK HOUR LEVELS OF SERVICE
AT SIGNALIZED INTERSECTIONS
IN THE CITY OF ROSEVILLE**

INTERSECTION		EXISTING CONDITIONS		2025 CONDITIONS	
ID	NAME	LOS	V/C	LOS	V/C
169	Industrial Ave & Alantown Dr	n/a		C	0.81
170	Roseville Pkwy & Gibson West	n/a		D	0.85
171	Washington Blvd & All America	n/a		A	0.56
172	Cirby & Cottonwood	n/a		A	0.44
173	Secret Ravine & Alexandra	n/a		A	0.21
174	Fiddymment Rd & Fiddymment Ranch EW Rd	n/a		B	0.73
175	Douglas Blvd & I-80 EB On	n/a		C	0.73
176	Santucci Blvd & Pleasant Grove Blvd	n/a		A	0.50
177	Santucci Blvd & Federico Dr	n/a		A	0.68
178	Santucci Blvd & Vista Grande Blvd	n/a		A	0.43
179	Santucci Blvd & Baseline Rd	n/a		C	0.77
180	Westbrook Blvd & Federico Dr	n/a		A	0.73
181	Westbrook Blvd & Vista Grande Blvd	n/a		C	0.71
182	Westbrook Blvd & Baseline Rd	n/a		C	0.77
183	Market St & Vista Grande Blvd	n/a		A	0.41
184	Market St & Baseline Rd	n/a		B	0.63
185	Pleasant Grove Blvd & Upland Dr	n/a		A	0.46
186	Upland Dr & Vista Grande Blvd	n/a		A	0.59
187	Upland Dr & Baseline Rd	n/a		A	0.55
188	Baseline Rd & CMU4 Entrance	n/a		A	0.50
189	Westbrook Blvd & SV EW Coll	n/a		A	0.38
190	Vista Grande Blvd & SV NS Primary Residential	n/a		A	0.27
191	Vista Grande Blvd & SV DF-20/JM 20B	n/a		A	0.34
192	Santucci Blve & SV FD-80/FD-63	n/a		A	0.30
193	Santucci Blvd & Sierra Village Dr	n/a		A	0.38
194	Vista Grande Blvd & Silver Spruce Dr	n/a		A	0.10
195	Westbrook Blvd & Sierra Glen Dr	n/a		A	0.27
196	Baseline Rd & KT-41A/Kt-41B	n/a		B	0.69

**TABLE III-3
(CONTINUED)
EXISTING AND 2025 PM PEAK HOUR LEVELS OF SERVICE
AT SIGNALIZED INTERSECTIONS
IN THE CITY OF ROSEVILLE**

INTERSECTION		EXISTING CONDITIONS		2025 CONDITIONS	
ID	NAME	LOS	V/C	LOS	V/C
197	Baseline Rd & KT-43	n/a		B	0.60
198	Baseline Rd & DF-40/DF-41	n/a		C	0.76
199	Santucci Blvd & Mountain Glen Dr	n/a		A	0.41
200	Westbrook Dr & Mountain Glen Dr	n/a		A	0.25
201	Pleasant Grove Blvd & Silver Spruce Dr0.	n/a		A	0.39
202	Westbrook Boulevard & Holt Parkway	n/a		A	0.23
203	Westbrook Boulevard & Creekview Plaza	n/a		A	0.13
204	Blue Oaks Boulevard & Creekview Plaza	n/a		A	0.50
P1	Riverside Av & Darling Wy	A	0.55	B	0.63
P2	Vernon & Douglas/Riverside	A	0.48	B	0.66
P3	Vernon & Grant	A	0.38	A	0.56
P4	Vernon & Judah	A	0.33	B	0.60
P5	Vernon & Lincoln	B	0.66	E*	0.99
P6	Washington & Main	A	0.59	D*	0.84
P7	Washington & Oak	A	0.52	C	0.74
P8	Grant & Oak	n/a		n/a	
Total Intersections Analyzed		204			
LOS A-C		165 (80.9%)			
LOS D		22 (10.8%)			
LOS E		9 (4.4%)			
LOS F		8 (3.9%)			
Note: Bold and shading represents intersections with LOS D or worse					
Note: * Pedestrian Overlay: LOS D or Worse Excluded from LOS Policy					
SOURCE: Fehr & Peers, 2011					

TABLE III-3A
MAJOR INTERSECTIONS FUNCTIONING AT LESS THAN LOS “C”
IN THE CITY OF ROSEVILLE UNDER 2025 BUILD OUT CONDITIONS

		Build Out Conditions	
ID#	Intersection	LOS	V/C
103	Roseville Parkway & Chase Dr	D	0.82
109	Roseville Parkway & Taylor	D	0.83
25	Douglas & Rocky Ridge	D	0.83
56	Foothills Bl & Junction Bl	D	0.84
60	Foothills Bl & Vineyard Rd	D	0.83
153	Stanford Ranch/Galleria & Sr-65 S/B On	D	0.83
105	Roseville Parkway & Gibson	D	0.84
62	Galleria & Berry	D	0.85
54	Foothills Bl & Roseville Pkwy/HP (Central)	D	0.85
95	Pleasant Grove & Wal-Mart/Highland Pointe	D	0.82
98	Pleasant Grove Bl & Woodcreek Oaks Bl	D	0.85
36	Douglas Bl & Sierra College Bl	D	0.86
170	Roseville Pkwy & Gibson West	D	0.85
50	Foothills & Baseline/Main	D	0.86
70	Junction Bl & Baseline Rd	D	0.86
134	Sunrise & Sandringham/Kensington	D	0.87
152	Stanford Ranch & Sr-65 N/B On	D	0.86
164	Fiddymment Rd. & Westhills Dr.	D	0.85
18	Cirby Wy & Orlando Av	D	0.87
57	Foothills Bl & McAnally Dr	D	0.87
28	Douglas & Sunrise	D	0.90
156	I-80 EB Off/Orlando & Riverside Ave	E	0.91
96	Pleasant Grove & Washington	D	0.90
106	Roseville Parkway & N. Sunrise	E	0.91
16	Cirby Wy & Northridge Dr	E	0.93
154	Taylor & Eureka I-80 EB Off	E	0.97
32	Douglas Bl & Harding Bl	E	0.97
75	Junction Bl & Washington Bl	E	0.95
85	Pleasant Grove & Fairway	E	0.96
10	Blue Oaks Bl & Diamond Creek Bl	E	0.99
58	Foothills Bl & Pleasant Grove Bl	E	0.99

TABLE III-3A (cont)
MAJOR INTERSECTIONS FUNCTIONING AT LESS THAN LOS “C”
IN THE CITY OF ROSEVILLE UNDER 2025 BUILD OUT CONDITIONS

		Build Out Conditions	
ID#	Intersection	LOS	V/C
63	Galleria & Roseville Pkwy	F	1.01
4	Baseline Rd & Fiddymment Rd	F	1.03
13	Cirby & Sunrise	F	1.08
14	Cirby Wy & Foothills Bl	F	1.12
20	Cirby Wy & Riverside Av	F	1.15
93	Pleasant Grove & Roseville Pkwy	F	1.20
23	Cirby Wy & Vernon St	F	1.28
11	Blue Oaks Bl & Foothills Bl	F	1.33
141	Woodcreek Oaks & Baseline	E	.91
Total Intersections Operating at LOS D or Worse at 2025 Build Out conditions		40	