

## TECHNICAL MEMORANDUM 1-7

### Missouri Flat Master Circulation & Financing Plan Phase II

#### Future Traffic Analysis Results

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Date: June 22, 2018 (finalized June 22, 2018)  
To: Ms. Natalie Porter, El Dorado County  
From: Mike Aronson, P.E., Aaron Elias, T.E.  
cc:

Project #: 18048

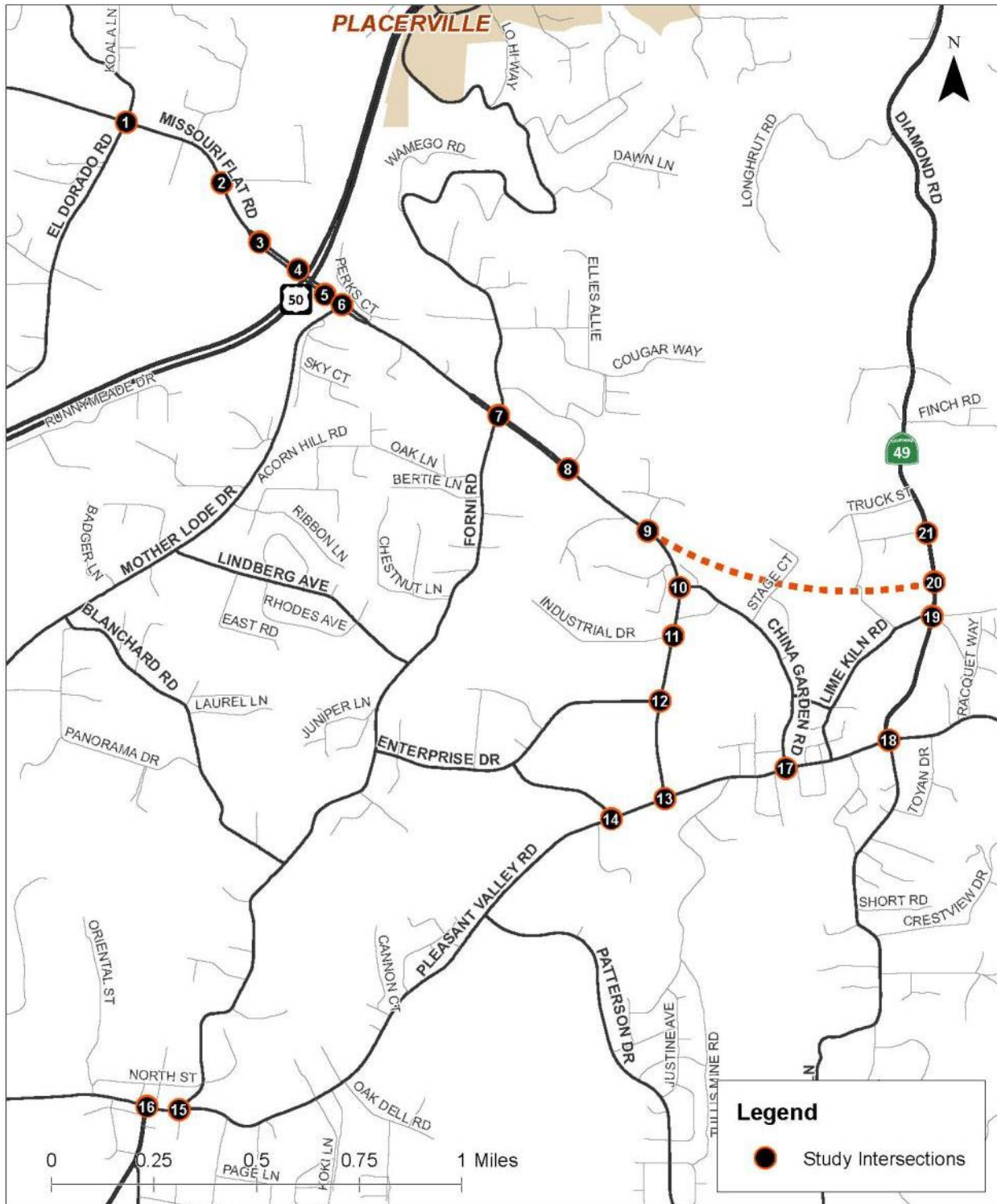
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This technical memorandum summarizes the future transportation conditions for the Missouri Flat Master Circulation and Financing Plan Phase II (MC&FP-II) project. The study area includes 23 study intersections, with a particular focus on the operations of the US 50 freeway interchange at Missouri Flat Road (Figure 1).

#### SUMMARY

- Traffic forecasts were updated for 2035 and 2040 consistent with the current El Dorado County General Plan and market forecasts of potential commercial development.
- Current El Dorado County market-based growth forecasts are lower than those used in studies prior to the 2008 economic recession, averaging closer to one percent annual growth rather than three percent annual growth in prior forecasts.
- 2040 traffic forecasts are relatively consistent with the 2040 traffic forecasts used for the Diamond Springs Parkway traffic studies.

Figure 1: Study Area



Note: The intersections of US 50 EB Ramps/El Dorado Road and US 50 WB Ramps/El Dorado Road are included in the analysis, but not shown on this figure.

## TRAFFIC FORECASTS

Traffic forecasts were updated for this evaluation for the 2035 horizon year. The 2035 forecasts were also extrapolated to a 2040 study year. The traffic forecasts were compared with traffic forecasts prepared for the “Diamond Springs Parkway Phase 1B Transportation Analysis Report” (Fehr & Peers, July, 2016).

The traffic forecasts are based on the El Dorado County travel model, starting with the version used for the most recent El Dorado County General Plan and Traffic Impact Mitigation Fee (TIMF). The model includes the roadway network and land use updates described below.

### Road Network Updates

The 2035 road network was modified to include the planned widening of Missouri Flat Road from two to four lanes between China Garden and SR 49. The 2035 network also includes the completion of Diamond Springs Parkway as a four lane facility (Figure 2).

### Land Use Updates

Future land use assumptions were updated in the Missouri Flat area to account for known development projects including the proposed Crossings, Creekside Plaza, and Diamond Dorado shopping centers. They also included residential projects such as Piedmont Oaks and the Diamond Springs Village. The proposed Public Safety complex on Industrial Drive was also added. The overall commercial growth assumed is somewhat higher (about 100,000 square feet) than the market demand analysis prepared by Economic and Planning Systems.

Development assumptions by transportation analysis zone (TAZ) are summarized in Figure 3, Figure 4 and Figure 5.

Figure 2: El Dorado County Model TAZs and 2035 Number of Through Lanes in Each Direction

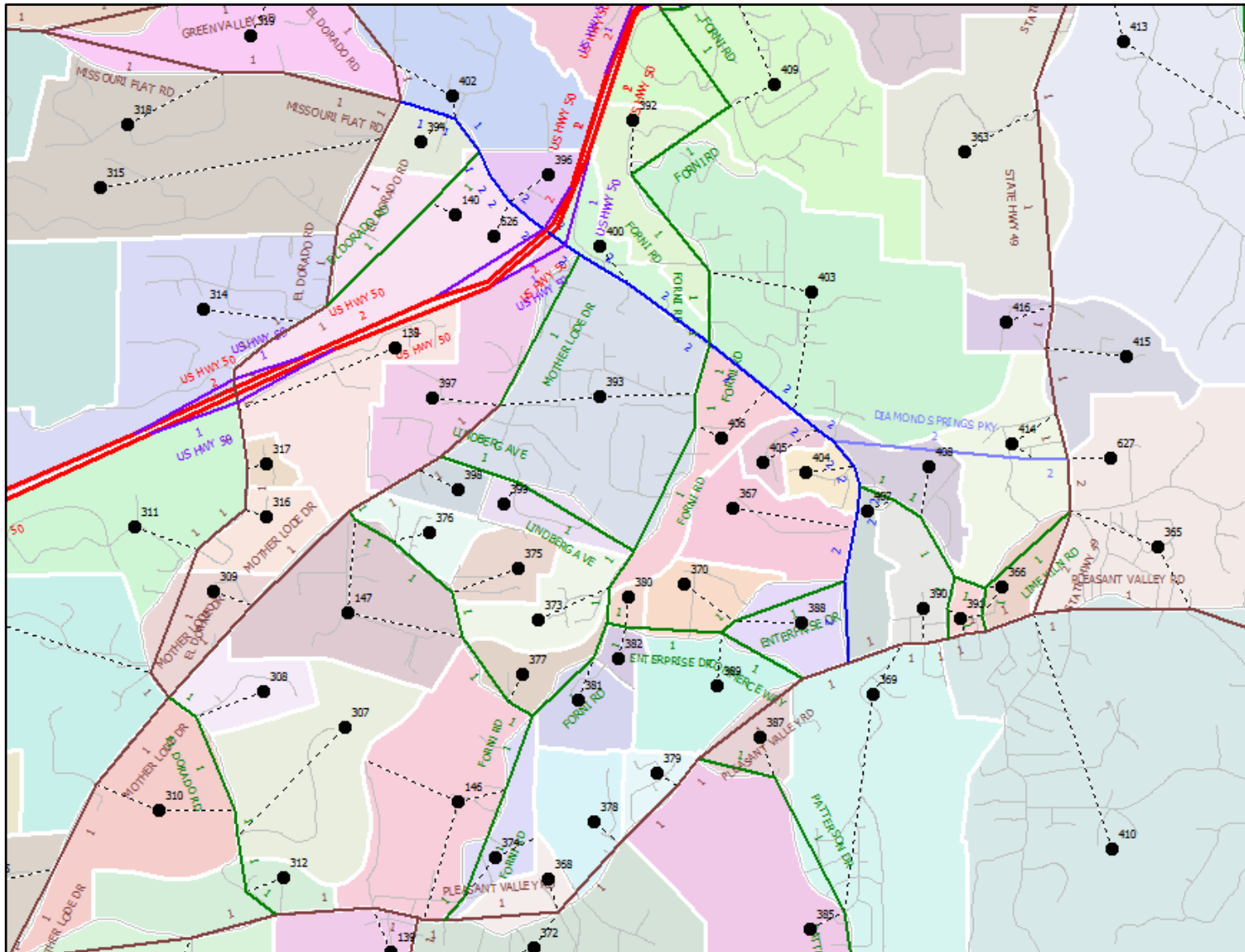




Figure 3: Growth in Housing Units, 2010 to 2035

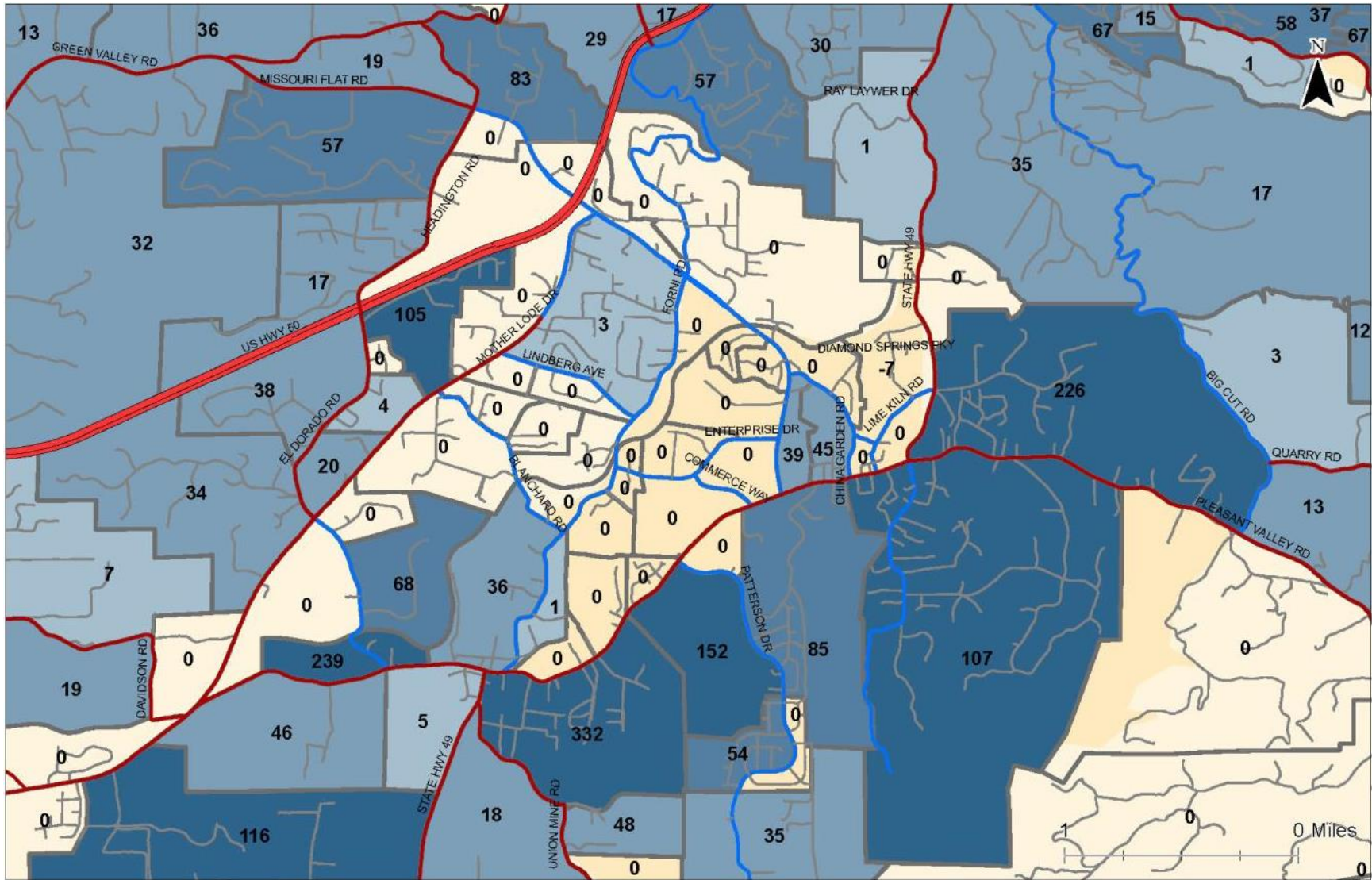


Figure 4: Growth in Retail Square Footage (1000s), 2010 to 2035

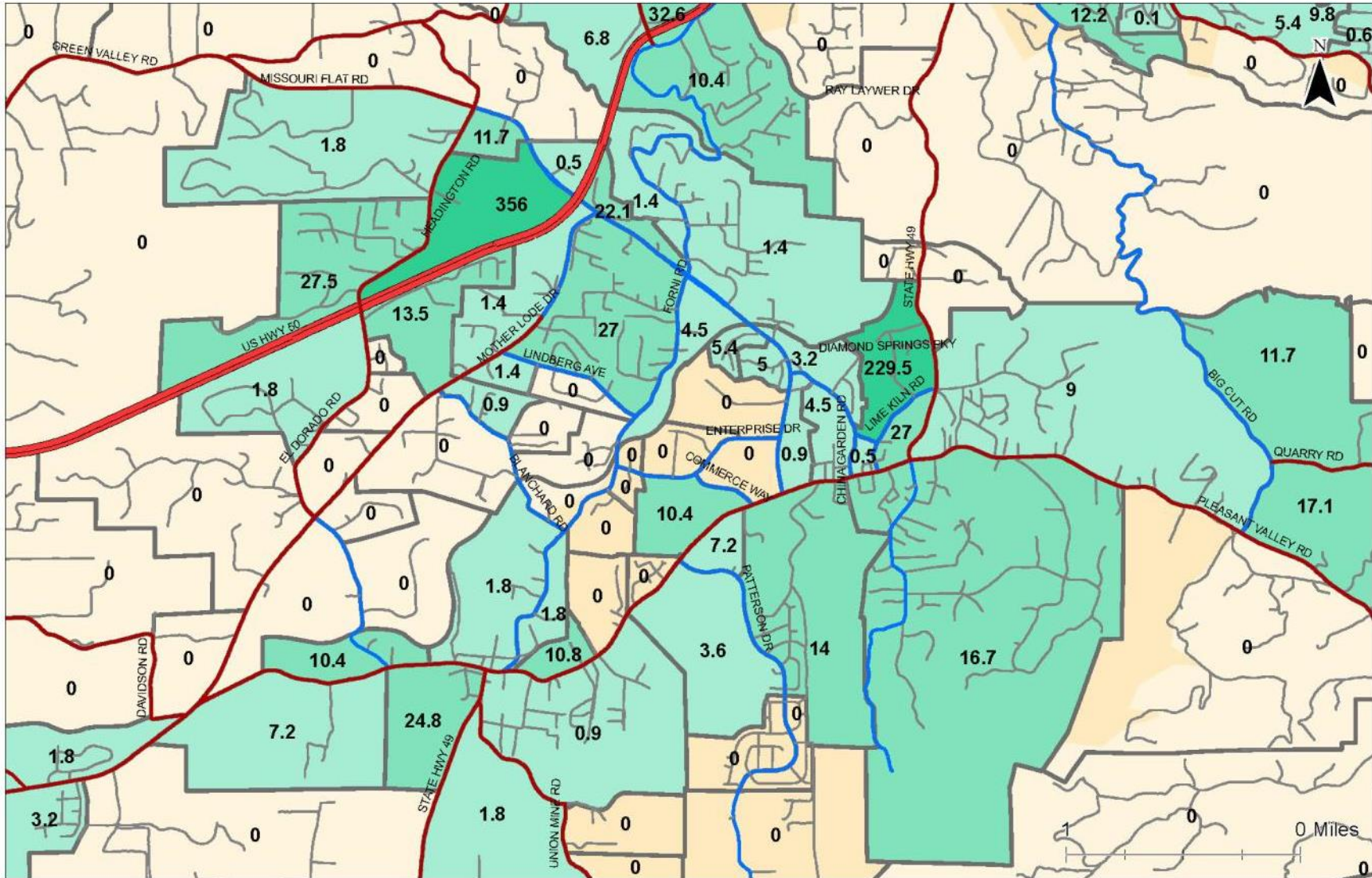
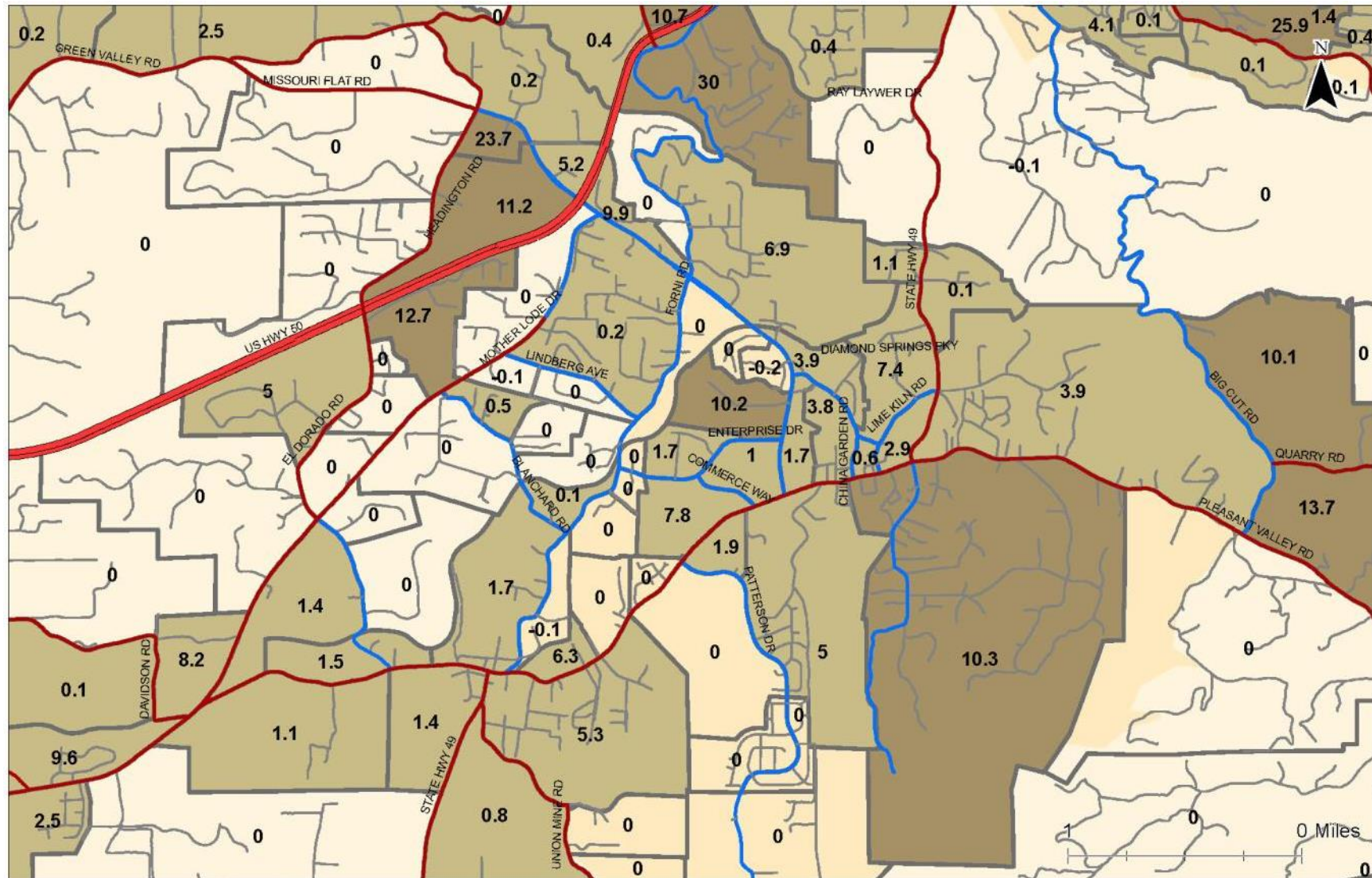




Figure 5: Growth in Non-Retail Square Footage (1000s), 2010 to 2035



## 2035 Traffic Forecasts

The El Dorado County model was run with the updated 2035 assumptions. Peak hour turn movements were extracted for each of the study intersections. These turn movements were not used directly, but were adjusted incrementally based on the following:

$$2035 \text{ turn movement} = 2015 \text{ traffic count} + (2035 \text{ model} - 2015 \text{ model})$$

This incremental adjustment compensates for errors in the base year model and provides continuity of traffic flow for the future projections. Traffic forecasts at the four interchange study intersections are summarized in Table 1 and Table 2.

## 2040 Traffic Forecasts

The 2040 traffic forecasts on each turn movement were extrapolated from the 2035 forecasts:

$$2040 \text{ turn movement} = 2015 \text{ traffic count} + (2035 \text{ model} - 2015 \text{ model}) * 25/20$$

This extrapolation methodology is similar to the methodology recently reviewed by Caltrans District 3 for the Cameron Park Drive interchange study.

The updated 2035 traffic forecasts show about 30 percent growth compared to 2015 traffic counts at the interchange intersections, averaging about 1.5 percent annual growth. The 1.5 percent annual growth is projected to continue through 2040.

The updated 2040 traffic forecasts are relatively consistent with the 2040 traffic forecasts used in the Diamond Springs Parkway TAR. The updated MC&FP forecasts are higher on some of the turn movements to and from freeway ramps, and are lower on certain through movements on Missouri Flat Road. Where volumes are lower in the updated MC&FP forecasts, they are most likely related to updates in land use forecasts for specific development areas (outside the immediate Missouri Flat study area) that were made in the El Dorado County travel model for the TIMF based on more current information that became available after the modeling was done for the Diamond Springs Parkway.

## Intersection Volumes

Intersection turn volumes for the 2015 base year, 2035 and 2040 forecast years are attached.



**Table 1: Intersection Volume Comparison, Interchange Area, AM Peak Hour**

Intersection	Northbound			Southbound			Eastbound			Westbound			TOTAL
	Left	Through	Right	Left	Through	Right	Left	Through	Right	Left	Through	Right	
<b>3 Missouri Flat Road &amp; Plaza Drive</b>													
2015 Count	101	413	294	34	290	7	7	7	83	228	23	50	<b>1,537</b>
2035 MFC&FP	114	706	301	47	498	25	22	3	87	227	19	61	<b>2,111</b>
2040 MFC&FP	117	780	303	50	550	29	25	3	88	227	19	63	<b>2,256</b>
2040 Diamond Springs Parkway TAR	110	870	300	50	580	50	30	10	90	230	30	60	<b>2,410</b>
<b>4 Missouri Flat Road &amp; US 50 WB Ramps</b>													
2015 Count	368	519	0	0	485	116	0	0	0	487	1	289	<b>2,265</b>
2035 MFC&FP	489	723	0	0	696	119	0	0	0	398	1	405	<b>2,830</b>
2040 MFC&FP	519	774	0	0	748	119	0	0	0	398	1	434	<b>2,994</b>
2040 Diamond Springs Parkway TAR	490	820			780	120				490	10	460	<b>3,170</b>
<b>5 Missouri Flat Road &amp; US 50 EB Ramps</b>													
2015 Count	0	766	71	161	811	0	119	0	358	0	0	0	<b>2,286</b>
2035 MFC&FP	0	1,060	96	235	858	0	150	0	564	0	0	0	<b>2,964</b>
2040 MFC&FP	0	1,134	102	254	870	0	158	0	616	0	0	0	<b>3,133</b>
2040 Diamond Springs Parkway TAR		1,160	80	250	1,020		150	10	550				<b>3,220</b>
<b>6 Missouri Flat Road &amp; Mother Lode Drive</b>													
2015 Count	44	720	0	0	1,094	75	119	0	40	0	0	0	<b>2,092</b>
2035 MFC&FP	50	983	0	0	1,335	88	140	0	56	0	0	0	<b>2,651</b>
2040 MFC&FP	51	1,049	0	0	1,395	92	145	0	60	0	0	0	<b>2,791</b>
2040 Diamond Springs Parkway TAR	50	1,120			1,490	80	120		40				<b>2,900</b>

**Table 2: Intersection Volume Comparison, Interchange Area, PM Peak Hour**

Intersection	Northbound			Southbound			Eastbound			Westbound			TOTAL
	Left	Through	Right	Left	Through	Right	Left	Through	Right	Left	Through	Right	
<b>3 Missouri Flat Road &amp; Plaza Drive</b>													
2015 Count	336	292	419	47	338	19	28	51	331	432	43	50	<b>2,386</b>
2035 MFC&FP	347	622	417	68	714	61	73	44	357	437	36	71	<b>3,245</b>
2040 MFC&FP	350	705	417	73	808	71	84	44	363	438	36	76	<b>3,464</b>
2040 Diamond Springs Parkway TAR	340	760	420	60	810	50	80	60	340	440	60	70	<b>3,490</b>
<b>4 Missouri Flat Road &amp; US 50 WB Ramps</b>													
2015 Count	366	653			914	187				636	0	394	<b>3,150</b>
2035 MFC&FP	572	872			1,285	223				594	0	513	<b>4,058</b>
2040 MFC&FP	623	927			1,377	232				594	0	543	<b>4,296</b>
2040 Diamond Springs Parkway TAR	560	950			1,400	190				680	10	570	<b>4,360</b>
<b>5 Missouri Flat Road &amp; US 50 EB Ramps</b>													
2015 Count		828	106	376	1,174		191	4	587				<b>3,266</b>
2035 MFC&FP		1,245	149	502	1,377		199	4	757				<b>4,233</b>
2040 MFC&FP		1,350	160	533	1,427		201	4	800				<b>4,475</b>
2040 Diamond Springs Parkway TAR		1,310	110	540	1,540		200	10	750				<b>4,460</b>
<b>6 Missouri Flat Road &amp; Mother Lode Drive</b>													
2015 Count	52	766			1,545	216	168		64				<b>2,811</b>
2035 MFC&FP	73	1,092			1,893	241	187		74				<b>3,559</b>
2040 MFC&FP	78	1,174			1,979	248	192		76				<b>3,747</b>
2040 Diamond Springs Parkway TAR	60	1,250			2,070	220	170		60				<b>3,830</b>

INTERSECTION TRAFFIC COUNTS																
2015 Counts																
AM Peak Hour																
No.	Intersection		Northbound			Southbound			Eastbound			Westbound			TOTAL	
	Street (N-S)	Street (E-W)	Left	Through	Right	Left	Through	Right	Left	Through	Right	Left	Through	Right		
1	El Dorado Road	Missouri Flat Road	132	19	22	50	27	4	3	257	60	16	445	43	1078	
2	Missouri Flat Road	Headington Road	0	457	21	41	293	0	0	0	0	15	0	36	863	
3	Missouri Flat Road	Plaza Drive	101	413	294	34	290	7	7	7	83	228	23	50	1537	
4	Missouri Flat Road	US 50 WB Ramps	368	519	0	0	485	116	0	0	0	487	1	289	2265	
5	Missouri Flat Road	US 50 EB Ramps	0	766	71	161	811	0	119	0	358	0	0	0	2286	
6	Missouri Flat Road	Mother Lode Drive	44	720	0	0	1,094	75	119	0	40	0	0	0	2092	
7	Missouri Flat Road	Forni Road	24	841	58	226	692	216	205	75	14	53	41	162	2607	
8	Missouri Flat Road	Golden Center Drive	39	867	93	114	624	3	4	5	10	35	5	8	1807	
9	Missouri Flat Road	Diamond Springs Parkway	0	999	0	0	645	0	0	0	0	0	0	0	1644	
10	Missouri Flat Road	China Garden Road	0	904	10	105	540	0	1	0	0	6	0	107	1673	
11	Missouri Flat Road	Industrial Drive	11	896	0	0	541	22	13	0	12	0	0	0	1495	
12	Missouri Flat Road	Enterprise Drive	17	844	6	4	419	94	51	0	13	1	0	4	1453	
13	Missouri Flat Road	Pleasant Valley Road (SR 49)	0	0	0	185	0	205	304	178	0	0	392	533	1797	
14	Commerce Way	Pleasant Valley Road (SR 49)	0	0	0	18	0	19	31	464	0	0	518	79	1129	
15	Forni Road	Pleasant Valley Road (SR 49)	0	0	0	50	0	101	135	337	0	0	323	33	979	
16	Golden Chain Hwy (SR 49)	Pleasant Valley Road	224	0	238	0	0	0	0	243	85	141	287	0	1218	
17	China Garden Road	Pleasant Valley Road (SR 49)	0	0	0	3	0	9	11	359	0	0	883	50	1315	
18	Fowler Ln/Diamond Rd	Pleasant Valley Road	88	23	10	60	5	105	97	258	25	19	780	154	1624	
19	Diamond Road (SR 49)	Lime Kiln Rd/Black Rice Ln	31	188	15	12	193	29	23	3	10	7	4	2	517	
20	Diamond Road (SR 49)	Diamond Springs Parkway	0	213	0	0	234	0	0	0	0	0	0	0	447	
21	Diamond Road (SR 49)	Bradley Drive	35	198	0	0	217	13	5	0	17	0	0	0	485	
22	El Dorado Road	US 50 WB Ramps	105	178	0	0	56	62	0	0	0	124	0	22	547	
23	El Dorado Road	US 50 EB Ramps	0	193	87	24	156	0	90	2	98	0	0	0	650	
24	Missouri Flat Road	US 50 EB Slip Ramp	0	764	446	0	1,134	0	0	0	0	0	0	0	2344	

INTERSECTION TRAFFIC COUNTS																
2015 Counts																
PM Peak Hour																
No.	Intersection		Northbound			Southbound			Eastbound			Westbound			TOTAL	
	Street (N-S)	Street (E-W)	Left	Through	Right	Left	Through	Right	Left	Through	Right	Left	Through	Right		
1	El Dorado Road	Missouri Flat Road	43	49	38	83	31	8	9	222	36	27	299	139	984	
2	Missouri Flat Road	Headington Road	0	408	12	29	317	0	0	0	0	26	0	59	851	
3	Missouri Flat Road	Plaza Drive	336	292	419	47	338	19	28	51	331	432	43	50	2386	
4	Missouri Flat Road	US 50 WB Ramps	366	653	0	0	914	187	0	0	0	636	0	394	3150	
5	Missouri Flat Road	US 50 EB Ramps	0	828	106	376	1,174	0	191	4	587	0	0	0	3266	
6	Missouri Flat Road	Mother Lode Drive	52	766	0	0	1,545	216	168	0	64	0	0	0	2811	
7	Missouri Flat Road	Forni Road	47	758	22	146	1,136	327	461	34	42	31	48	179	3231	
8	Missouri Flat Road	Golden Center Drive	70	698	51	96	1,028	7	14	9	81	105	14	57	2230	
9	Missouri Flat Road	Diamond Springs Parkway	0	819	0	0	1,169	0	0	0	0	0	0	0	1988	
10	Missouri Flat Road	China Garden Road	2	682	29	142	1,026	1	2	0	0	12	1	140	2037	
11	Missouri Flat Road	Industrial Drive	7	663	0	0	1,021	11	18	0	18	0	0	0	1738	
12	Missouri Flat Road	Enterprise Drive	7	573	2	4	934	62	78	1	30	1	1	1	1694	
13	Missouri Flat Road	Pleasant Valley Road (SR 49)	0	0	0	717	0	304	232	259	0	0	253	327	2092	
14	Commerce Way	Pleasant Valley Road (SR 49)	0	0	0	52	0	48	14	508	0	0	517	40	1179	
15	Forni Road	Pleasant Valley Road (SR 49)	0	0	0	22	0	147	88	402	0	0	331	36	1026	
16	Golden Chain Hwy (SR 49)	Pleasant Valley Road	99	0	148	0	0	0	0	324	205	211	265	0	1252	
17	China Garden Road	Pleasant Valley Road (SR 49)	0	0	0	9	0	15	9	890	0	0	583	45	1551	
18	Fowler Ln/Diamond Rd	Pleasant Valley Road	65	25	27	213	32	113	93	775	76	19	415	114	1967	
19	Diamond Road (SR 49)	Lime Kiln Rd/Black Rice Ln	40	212	20	20	357	50	79	9	35	6	3	2	833	
20	Diamond Road (SR 49)	Diamond Springs Parkway	0	293	0	0	427	0	0	0	0	0	0	0	720	
21	Diamond Road (SR 49)	Bradley Drive	29	264	0	0	395	8	17	0	32	0	0	0	745	
22	El Dorado Road	US 50 WB Ramps	98	160	0	0	88	53	0	0	0	82	0	38	519	
23	El Dorado Road	US 50 EB Ramps	0	152	95	43	127	0	106	0	113	0	0	0	636	
24	Missouri Flat Road	US 50 EB Slip Ramp	0	818	588	0	1,609	0	0	0	0	0	0	0	3015	



ADJUSTED TURN MOVEMENT FORECAST																
2035 Land Use Alt. 1																
AM Peak Hour																
No.	Intersection		Northbound			Southbound			Eastbound			Westbound			TOTAL	
	Street (N-S)	Street (E-W)	Left	Through	Right	Left	Through	Right	Left	Through	Right	Left	Through	Right		
1	El Dorado Road	Missouri Flat Road	139	36	42	71	31	6	5	313	66	43	460	34	1246	
2	Missouri Flat Road	Headington Road	294	488	21	41	361	47	24	0	181	15	0	36	1509	
3	Missouri Flat Road	Plaza Drive	114	706	301	47	498	25	22	3	87	227	19	61	2111	
4	Missouri Flat Road	US 50 WB Ramps	489	723	0	0	696	119	0	0	0	398	1	405	2830	
5	Missouri Flat Road	US 50 EB Ramps	0	1060	96	235	858	0	150	0	564	0	0	0	2964	
6	Missouri Flat Road	Mother Lode Drive	50	983	0	0	1335	88	140	0	56	0	0	0	2651	
7	Missouri Flat Road	Forni Road	15	1110	71	179	966	225	219	67	6	63	36	146	3102	
8	Missouri Flat Road	Golden Center Drive	120	1116	93	114	894	3	4	5	61	35	5	8	2457	
9	Missouri Flat Road	Diamond Springs Parkway	0	525	96	498	490	0	0	0	0	151	0	875	2635	
10	Missouri Flat Road	China Garden Road	0	918	11	24	743	0	1	0	0	4	0	14	1715	
11	Missouri Flat Road	Industrial Drive	88	908	0	0	693	190	5	0	30	0	0	0	1914	
12	Missouri Flat Road	Enterprise Drive	17	837	6	4	519	140	79	0	13	1	0	4	1620	
13	Missouri Flat Road	Pleasant Valley Road (SR 49)	0	0	0	209	0	281	411	220	0	0	381	419	1921	
14	Commerce Way	Pleasant Valley Road (SR 49)	0	0	0	10	0	21	35	635	0	0	608	54	1364	
15	Forni Road	Pleasant Valley Road (SR 49)	0	0	0	52	0	103	146	435	0	0	432	38	1205	
16	Golden Chain Hwy (SR 49)	Pleasant Valley Road	292	0	281	0	0	0	0	319	108	176	366	0	1541	
17	China Garden Road	Pleasant Valley Road (SR 49)	0	0	0	3	0	9	12	438	0	0	723	50	1235	
18	Fowler Ln/Diamond Rd	Pleasant Valley Road	14	115	14	274	52	94	119	139	17	31	372	608	1849	
19	Diamond Road (SR 49)	Lime Kiln Rd/Black Rice Ln	31	590	65	122	479	14	0	0	26	0	0	189	1516	
20	Diamond Road (SR 49)	Diamond Springs Parkway	783	164	23	18	213	171	60	26	368	18	35	16	1894	
21	Diamond Road (SR 49)	Bradley Drive	1	231	0	0	402	95	47	0	0	0	0	0	775	
22	El Dorado Road	US 50 WB Ramps	124	351	0	0	83	155	0	0	0	150	0	32	896	
23	El Dorado Road	US 50 EB Ramps	0	280	132	29	204	0	196	2	119	0	0	0	963	
24	Missouri Flat Road	US 50 EB Slip Ramp	0	1033	411	0	1390	0	0	0	0	0	0	0	2834	

ADJUSTED TURN MOVEMENT FORECAST																
2035 No Build																
PM Peak Hour																
No.	Intersection		Northbound			Southbound			Eastbound			Westbound			TOTAL	
	Street (N-S)	Street (E-W)	Left	Through	Right	Left	Through	Right	Left	Through	Right	Left	Through	Right		
1	El Dorado Road	Missouri Flat Road	51	59	76	86	36	9	10	256	44	63	365	179	1235	
2	Missouri Flat Road	Headington Road	317	487	12	29	364	45	77	0	391	26	0	59	1807	
3	Missouri Flat Road	Plaza Drive	347	622	417	68	714	61	73	44	357	437	36	71	3245	
4	Missouri Flat Road	US 50 WB Ramps	572	872	0	0	1285	223	0	0	0	594	0	513	4058	
5	Missouri Flat Road	US 50 EB Ramps	0	1245	149	502	1377	0	199	4	757	0	0	0	4233	
6	Missouri Flat Road	Mother Lode Drive	73	1092	0	0	1893	241	187	0	74	0	0	0	3559	
7	Missouri Flat Road	Forni Road	23	1092	34	135	1475	346	484	25	14	48	37	146	3860	
8	Missouri Flat Road	Golden Center Drive	160	1020	51	96	1344	7	14	9	187	105	14	57	3065	
9	Missouri Flat Road	Diamond Springs Parkway	0	598	164	933	714	0	0	0	0	135	0	653	3197	
10	Missouri Flat Road	China Garden Road	2	878	29	22	1118	1	2	0	0	10	1	37	2099	
11	Missouri Flat Road	Industrial Drive	22	817	0	0	1089	49	160	0	114	0	0	0	2251	
12	Missouri Flat Road	Enterprise Drive	9	668	2	4	962	106	133	1	30	1	1	1	1917	
13	Missouri Flat Road	Pleasant Valley Road (SR 49)	0	0	0	642	0	407	319	281	0	0	308	337	2294	
14	Commerce Way	Pleasant Valley Road (SR 49)	0	0	0	24	0	52	16	645	0	0	686	29	1452	
15	Forni Road	Pleasant Valley Road (SR 49)	0	0	0	28	0	157	84	530	0	0	437	38	1273	
16	Golden Chain Hwy (SR 49)	Pleasant Valley Road	128	0	213	0	0	0	0	391	311	242	362	0	1647	
17	China Garden Road	Pleasant Valley Road (SR 49)	0	0	0	9	0	16	9	812	0	0	643	45	1534	
18	Fowler Ln/Diamond Rd	Pleasant Valley Road	25	108	31	669	136	105	103	394	40	36	294	371	2311	
19	Diamond Road (SR 49)	Lime Kiln Rd/Black Rice Ln	40	456	83	200	945	32	0	0	88	0	0	164	2008	
20	Diamond Road (SR 49)	Diamond Springs Parkway	493	259	22	18	339	75	165	43	800	37	53	31	2335	
21	Diamond Road (SR 49)	Bradley Drive	7	447	0	0	435	80	119	0	0	0	0	0	1089	
22	El Dorado Road	US 50 WB Ramps	122	347	0	0	171	196	0	0	0	174	0	47	1057	
23	El Dorado Road	US 50 EB Ramps	0	227	128	51	293	0	242	0	137	0	0	0	1079	
24	Missouri Flat Road	US 50 EB Slip Ramp	0	1165	473	0	1966	0	0	0	0	0	0	0	3604	

ADJUSTED TURN MOVEMENT FORECAST			Count Yr	2015														
2040 Land Use Alt. 1			Model Yr	2035														
AM Peak Hour			Future Yr	2040														
No.	Intersection		Northbound				Southbound				Eastbound			Westbound			TOTAL	
	Street (N-S)	Street (E-W)	Left	Through	Right	Left	Through	Right	Left	Through	Right	Left	Through	Right				
1	El Dorado Road	Missouri Flat Road	141	41	47	76	32	7	6	326	68	50	463	34	1290			
2	Missouri Flat Road	Headington Road	368	496	21	41	378	59	30	0	227	15	0	36	1670			
3	Missouri Flat Road	Plaza Drive	117	780	303	50	550	29	25	3	88	227	19	63	2256			
4	Missouri Flat Road	US 50 WB Ramps	519	774	0	0	748	119	0	0	0	398	1	434	2994			
5	Missouri Flat Road	US 50 EB Ramps	0	1134	102	254	870	0	158	0	616	0	0	0	3133			
6	Missouri Flat Road	Mother Lode Drive	51	1049	0	0	1395	92	145	0	60	0	0	0	2791			
7	Missouri Flat Road	Forni Road	15	1177	75	179	1034	228	223	67	6	65	36	146	3249			
8	Missouri Flat Road	Golden Center Drive	140	1178	93	114	962	3	4	5	73	35	5	8	2620			
9	Missouri Flat Road	Diamond Springs Parkway	0	525	119	623	490	0	0	0	0	189	0	1094	3040			
10	Missouri Flat Road	China Garden Road	0	921	11	24	793	0	1	0	0	4	0	14	1769			
11	Missouri Flat Road	Industrial Drive	107	911	0	0	731	232	5	0	34	0	0	0	2020			
12	Missouri Flat Road	Enterprise Drive	17	837	6	4	544	152	86	0	13	1	0	4	1664			
13	Missouri Flat Road	Pleasant Valley Road (SR 49)	0	0	0	215	0	300	437	230	0	0	381	419	1983			
14	Commerce Way	Pleasant Valley Road (SR 49)	0	0	0	10	0	22	36	677	0	0	630	54	1430			
15	Forni Road	Pleasant Valley Road (SR 49)	0	0	0	52	0	103	148	460	0	0	460	39	1261			
16	Golden Chain Hwy (SR 49)	Pleasant Valley Road	308	0	291	0	0	0	0	337	114	184	386	0	1622			
17	China Garden Road	Pleasant Valley Road (SR 49)	0	0	0	3	0	9	12	458	0	0	723	50	1255			
18	Fowler Ln/Diamond Rd	Pleasant Valley Road	14	138	15	328	64	94	125	139	17	34	372	721	2060			
19	Diamond Road (SR 49)	Lime Kiln Rd/Black Rice Ln	31	690	78	149	551	14	0	0	30	0	0	236	1779			
20	Diamond Road (SR 49)	Diamond Springs Parkway	979	164	29	23	213	214	75	32	459	22	44	19	2273			
21	Diamond Road (SR 49)	Bradley Drive	1	239	0	0	448	116	57	0	0	0	0	0	861			
22	El Dorado Road	US 50 WB Ramps	129	395	0	0	90	178	0	0	0	157	0	34	983			
23	El Dorado Road	US 50 EB Ramps	0	302	144	30	217	0	222	2	125	0	0	0	1041			
24	Missouri Flat Road	US 50 EB Slip Ramp	0	1100	411	0	1454	0	0	0	0	0	0	0	2965			



ADJUSTED TURN MOVEMENT FORECAST			Count Yr	2015													
2040 Land Use Alt. 1			Model Yr	2035													
PM Peak Hour			Future Yr	2040													
No.	Intersection		Northbound			Southbound			Eastbound			Westbound			TOTAL		
	Street (N-S)	Street (E-W)	Left	Through	Right	Left	Through	Right	Left	Through	Right	Left	Through	Right			
1	El Dorado Road	Missouri Flat Road	53	62	86	87	37	10	11	265	45	72	382	189	1298		
2	Missouri Flat Road	Headington Road	396	507	12	29	376	56	97	0	489	26	0	59	2046		
3	Missouri Flat Road	Plaza Drive	350	705	417	73	808	71	84	44	363	438	36	76	3464		
4	Missouri Flat Road	US 50 WB Ramps	623	927	0	0	1377	232	0	0	0	594	0	543	4296		
5	Missouri Flat Road	US 50 EB Ramps	0	1350	160	533	1427	0	201	4	800	0	0	0	4475		
6	Missouri Flat Road	Mother Lode Drive	78	1174	0	0	1979	248	192	0	76	0	0	0	3747		
7	Missouri Flat Road	Forni Road	23	1175	37	135	1560	351	490	25	14	53	37	146	4046		
8	Missouri Flat Road	Golden Center Drive	183	1101	51	96	1422	7	14	9	214	105	14	57	3273		
9	Missouri Flat Road	Diamond Springs Parkway	0	598	204	1166	714	0	0	0	0	169	0	816	3668		
10	Missouri Flat Road	China Garden Road	2	927	29	22	1141	1	2	0	0	10	1	37	2171		
11	Missouri Flat Road	Industrial Drive	26	855	0	0	1106	58	195	0	138	0	0	0	2379		
12	Missouri Flat Road	Enterprise Drive	9	691	2	4	969	118	146	1	30	1	1	1	1973		
13	Missouri Flat Road	Pleasant Valley Road (SR 49)	0	0	0	642	0	432	340	287	0	0	322	339	2363		
14	Commerce Way	Pleasant Valley Road (SR 49)	0	0	0	24	0	53	17	680	0	0	729	29	1530		
15	Forni Road	Pleasant Valley Road (SR 49)	0	0	0	30	0	159	84	562	0	0	463	38	1336		
16	Golden Chain Hwy (SR 49)	Pleasant Valley Road	135	0	230	0	0	0	0	408	338	250	387	0	1746		
17	China Garden Road	Pleasant Valley Road (SR 49)	0	0	0	9	0	16	9	812	0	0	658	45	1549		
18	Fowler Ln/Diamond Rd	Pleasant Valley Road	25	129	31	783	162	105	105	394	40	40	294	435	2544		
19	Diamond Road (SR 49)	Lime Kiln Rd/Black Rice Ln	40	517	99	245	1092	32	0	0	101	0	0	204	2330		
20	Diamond Road (SR 49)	Diamond Springs Parkway	616	259	27	23	339	94	206	54	1000	47	67	38	2770		
21	Diamond Road (SR 49)	Bradley Drive	7	493	0	0	446	98	145	0	0	0	0	0	1189		
22	El Dorado Road	US 50 WB Ramps	129	394	0	0	192	232	0	0	0	196	0	49	1192		
23	El Dorado Road	US 50 EB Ramps	0	246	136	53	335	0	277	0	143	0	0	0	1189		
24	Missouri Flat Road	US 50 EB Slip Ramp	0	1251	473	0	2056	0	0	0	0	0	0	0	3780		