APPENDIX C - ALTERNATIVES CONSIDERED

K J S Associates, Inc.

MEMORANDUM

DATE: April 14, 1995

TO: Paula Brown, RVCOG
Kevin Wallace, RVCOG

FROM: Joel Falter, KJS Associates
Jeffrey Ream, KJS Associates

SUBJECT: Revised Roadway Network Development and Analysis

This revised memorandum is based on the comments and direction received at the March 7th Management Committee meeting and summarizes the findings of our analysis of the testing of additional highway improvements as part of the development of the Grants Pass Urban Area Master Plan.

Results of Alternative Networks Development and Testing

Introduction

Long-term transportation improvements for the Grants Pass Urban area will include physical roadway improvements via the enhancement of capacity on existing roads or new roadway construction, improved transit service and the expansion and development of non-motorized transportation facilities such as sidewalks and bike facilities. This memorandum addresses the development and analysis of the streets and highways component of the master plan. It is based on the results of the operation analysis that was prepared in Phase II of the study, the travel demand forecasts for the future land use plan for the area, as well as direction from the management team, and input received from residents at public open house meetings.

One no-build and eight construction alternatives were developed in an effort to enhance mobility and reduce congestion within the urban-area growth boundary by 2015. These eight build-alternatives were analyzed using RVCOG's traffic forecast model for the Grants Pass Urban Area.

500-108th Avenue NE
Suite 2100
Bellevue, WA 98004
Fax 206 646-6647
206 646-6600

The following sections summarize the details of each alternative and an assessment of their overall benefits and impacts.

Future Land Use - Demographics

The year 2015 was chosen as the planning horizon for the master plan to identify future demographic trends from which the travel forecasts were derived. A 20 year time span was chosen because beyond this time line population, employment and future travel patterns become much more difficult to develop and subsequently generate less reliable travel forecasts.

Future Traffic Conditions

Future year (2015) traffic conditions were determined by adding the estimated number of vehicle trips generated by future land uses within the Grants Pass Urban Area to the existing traffic volumes. New trips generated by future land uses were distributed to destinations both within the Grants Pass urban area as well as those outside of it, such as Medford or Jacksonville, for example, and then assigned to the street and highway system. This was accomplished through the use and application of RVCOG's travel forecasting model for the Grants Pass Urban Area. The travel model trip generation, distribution and assignment assumptions were calculated for daily trip purposes. For the purposes of calculating trip generation, distribution and travel assignment, all travel model data was summarized by traffic analysis zone.

Future Transportation System Alternatives

The future daily traffic assignments were developed for each of the eight roadway alternatives described below using the travel demand model developed by RVCOG. After a reasonableness check of the assignments, the level of service for the major roadways and key intersection in the area was calculated, and any changes in level of service or levels of congestion identified. The alternatives were then ranked based on the overall reduction in congestion each one resulted in. Table 1 summarizes the roadway level of service for each alternative tested. Table 2 summarizes the level of service at eleven key intersections.

Street Name	Segment Name (From)	Segment Name (To)	2015 Alternative Run Assignments: No Build Alternative Volume	No Build V/C	No Build LOS	Alternative 1 Volume	Alt 1 V/C	Alt 1 LOS	Alternative 2 Volume	Alt 2 V/C	Alt 2 LOS	Alternative 3 Volume	Alt 3 V/C	Alt 3 LOS	Alternative 4 Volume	Alt 4 V/C	Alt 4 LOS	Alternative 5 Volume	Alt 5 V/C	Alt 5 LOS	Alternative 6 Volume	Alt 6 V/C	Alt 6 LOS	Alternative 7 Volume	Alt 7 V/C	Alt 7 LOS	Alternative 8 Volume	Alt 8 V/C	Alt 8 LOS
Pine Crest Dr.	Blitz Canyon Rd.	Upper River Road	4,603	0.21	A	4,603	0.21	A	4,603	0.21	A	4,603	0.21	A	4,603	0.21	A	4,603	0.21	A	4,603	0.21	A	4,603	0.21	A	4,603	0.21	A
Upper River Road	Lathrop	Pinecrest	4,729	0.22	A	4,729	0.22	A	4,729	0.22	A	4,729	0.22	A	4,729	0.22	A	4,729	0.22	A	4,729	0.22	A	4,729	0.22	A	4,729	0.22	A
Upper River Road	Pinecrest	Leonard St.	8,574	0.40	A	8,766	0.41	A	8,774	0.41	A	15,249	0.32	A	8,799	0.41	A	8,958	0.13	A	8,574	0.40	A	8,809	0.41	A	8,809	0.41	A
Upper River Road	Leonard St.	Wildwood Ave	11,540	0.53	B	16,653	0.35	A	15,753	0.73	C	17,823	0.38	A	11,313	0.52	B	12,535	0.27	A	10,985	0.51	B	11,065	0.51	B	11,004	0.51	B
Upper River Road	Wildwood Ave	Oak St	10,421	0.48	B	16,230	0.34	A	16,373	0.76	C	18,012	0.38	A	11,709	0.54	B	13,122	0.28	A	9,585	0.44	B	11,472	0.53	B	11,514	0.53	B
Upper River Road	Oak St	Pine St	11,422	0.53	B	18,761	0.40	A	17,904	0.83	D	19,543	0.41	B	13,240	0.61	B	14,653	0.31	A	10,878	0.50	B	13,003	0.60	B	13,059	0.60	B
Upper River Road	Pine St	Foundry St	11,771	0.54	B	19,780	0.42	B	19,587	0.91	D	20,514	0.43	B	14,068	0.65	B	14,069	0.30	A	11,359	0.53	B	13,916	0.64	B	10,552	0.49	B
Redwood Hwy.	Dawn Dr.	Hubbard Ln.	14,996	0.32	A	15,000	0.32	A	15,000	0.32	A	15,000	0.32	A	15,000	0.32	A	15,000	0.32	A	14,996	0.32	A	15,000	0.32	A	15,000	0.32	A
Redwood Hwy.	Hubbard Ln.	Willow Ln.	15,684	0.33	A	17,458	0.37	A	17,500	0.37	A	15,790	0.33	A	17,610	0.37	A	15,574	0.33	A	17,502	0.37	A	17,747	0.38	A	17,652	0.37	A
Redwood Hwy.	Willow Ln.	Demaray Dr.	22,272	0.47	B	22,502	0.48	B	22,565	0.48	B	18,370	0.39	A	22,634	0.48	B	16,553	0.35	A	22,378	0.47	B	22,833	0.48	B	22,733	0.48	B
Redwood Hwy.	Demaray Dr.	Dowell Rd.	28,469	0.60	B	29,363	0.62	B	29,452	0.62	B	23,721	0.50	B	29,615	0.63	B	22,219	0.47	B	28,667	0.61	B	29,900	0.63	B	29,855	0.63	B
Redwood Hwy.	Dowell Rd.	Allen Creek Rd.	30,359	0.64	B	31,440	0.67	B	31,560	0.67	B	25,765	0.55	B	31,671	0.67	C	24,233	0.51	B	30,558	0.65	B	32,122	0.68	C	32,050	0.68	C
Redwood Hwy.	Allen Creek Rd.	Redwood Ave.	25,769	0.55	B	21,561	0.46	B	21,783	0.46	B	22,168	0.47	B	19,244	0.41	A	20,880	0.44	B	21,000	0.44	B	19,023	0.40	A	18,360	0.39	A
Redwood Hwy.	Redwood Ave.	Fairgrounds Rd.	41,334	0.88	D	34,946	0.74	C	34,406	0.73	C	34,152	0.72	C	33,033	0.70	C	32,064	0.68	C	42,006	0.89	D	31,790	0.67	C	31,781	0.67	C
Redwood Hwy.	Fairgrounds Rd.	Rinquette St.	36,276	0.77	C	30,774	0.65	B	30,256	0.64	B	30,102	0.64	B	28,541	0.60	B	28,240	0.60	B	37,060	0.79	C	29,304	0.62	B	29,565	0.63	B
Redwood Hwy.	Rinquette St.	Tussy Ln.	36,432	0.77	C	30,614	0.65	B	30,109	0.64	B	30,170	0.64	B	28,808	0.61	B	28,269	0.60	B	37,251	0.79	C	27,838	0.59	B	27,715	0.59	B
Redwood Hwy.	Tussy Ln.	6th St	25,604	0.54	B	21,018	0.45	B	21,354	0.45	B	20,950	0.44	B	19,617	0.42	B	19,696	0.42	B	27,233	0.58	B	19,118	0.41	A	18,569	0.39	A
Redwood Hwy.	6th St	Hwy 238 6th/7th Interch	27,055	0.57	B	24,020	0.51	B	24,066	0.51	B	23,936	0.51	B	23,587	0.50	B	23,469	0.50	B	29,247	0.62	B	23,020	0.49	B	22,892	0.49	B
Redwood Hwy.	Hwy 238 6th/7th Interchang	Interchange to 7th St.	28,910	0.61	B	24,205	0.51	B	24,434	0.52	B	24,257	0.51	B	23,667	0.50	B	23,931	0.51	B	30,310	0.64	B	23,109	0.49	B	23,081	0.49	B
Willow Ln.	Jerome Prairie Rd.	Redwood Ave.	2,370	0.15	A	2,254	0.14	A	2,264	0.14	A	6,233	0.38	A	2,165	0.13	A	8,697	0.54	B	2,232	0.14	A	2,182	0.13	A	2,178	0.13	A
Willow Ln.	Redwood Ave.	Leonard Ln.	2,332	0.14	A	2,198	0.14	A	2,582	0.16	A	4,813	0.30	A	2,528	0.16	A	7,501	0.46	B	2,422	0.15	A	1,137	0.07	A	2,628	0.16	A
Allen Creek Rd.	Redwood Ave.	Redwood Hwy.	2,679	0.12	A	10,165	0.47	B	10,032	0.46	B	3,434	0.16	A	13,510	0.63	B	3,404	0.16	A	2,641	0.12	A	16,221	0.34	A	15,577	0.33	A
Allen Creek Rd.	Redwood Hwy.	Denton Trail	5,326	0.24	A	5,350	0.25	A	5,347	0.25	A	5,107	0.24	A	5,839	0.27	A	5,033	0.23	A	4,911	0.23	A	11,299	0.24	A	10,172	0.22	A
Jacksonville Hwy.	Lark Ellen Way.	West Harbeck Rd.	24,651	0.52	B	22,865	0.48	B	22,857	0.49	B	23,067	0.49	B	22,392	0.47	B	22,121	0.46	B	24,047	0.51	B	22,742	0.48	B	22,108	0.47	B
Jacksonville Hwy.	West Harbeck Rd.	Mayfair Ln.	25,940	0.55	B	26,102	0.55	B	26,092	0.55	B	26,062	0.55	B	26,074	0.55	B	26,074	0.55	B	25,960	0.55	B	16,723	0.35	A	19,983	0.42	B
Jacksonville Hwy.	Mayfair Ln.	New Hope Rd.	25,218	0.53	B	25,314	0.54	B	25,302	0.54	B	25,286	0.54	B	25,300	0.54	B	25,296	0.54	B	25,226	0.53	B	25,906	0.55	B	19,179	0.41	A
Jacksonville Hwy.	New Hope Rd.	Allenwood Dr.	17,443	1.56	F	17,501	1.57	F	17,493	1.57	F	17,493	1.57	F	17,491	1.57	F	17,491	1.57	F	17,441	1.56	F	17,825	1.60	F	10,045	0.90	D
Jacksonville Hwy.	Allenwood Dr.	Extends beyond study ar	16,210	1.45	F	16,328	1.46	F	16,326	1.46	F	16,320	1.46	F	16,354	1.47	F	16,324	1.46	F	16,310	1.46	F	16,440	1.47	F	16,990	1.52	F
Bridge St.	Lincoln Ln.	Way Spruce St.	8,494	0.39	A	6,181	0.28	A	5,509	0.26	A	5,746	0.27	A	4,951	0.23	A	6,512	0.30	A	9,031	0.42	B	5,641	0.26	A	5,259	0.24	A
Bridge St.	Way Spruce St.	Greenwood Ave.	11,781	0.53	B	7,459	0.35	A	6,930	0.32	A	7,636	0.36	A	6,094	0.28	A	7,907	0.37	A	12,204	0.57	B	5,800	0.27	A	5,693	0.26	A
Bridge St.	Greenwood Ave.	Oak St.	11,841	0.55	B	7,540	0.35	A	6,956	0.32	A	8,000	0.37	A	6,124	0.28	A	7,905	0.37	A	12,187	0.56	B	5,618	0.26	A	5,398	0.25	A
Bridge St.	Oak St.	Division St	14,757	0.69	C	9,580	0.44	B	9,257	0.43	B	10,492	0.49	B	8,289	0.38	A	11,852	0.55	B	14,864	0.69	C	7,731	0.36	A	10,818	0.50	B
Highland Ave.	Valley View Rd.	Midland Ave.	7,169	0.33	A	7,129	0.33	A	7,352	0.34	A	7,107	0.33	A	3,037	0.14	A	2,047	0.09	A	7,152	0.33	A	2,836	0.13	A	3,546	0.16	A
Highland Ave.	Midland Ave.	Starlite Pl.	5,436	0.25	A	5,542	0.26	A	5,787	0.27	A	5,462	0.25	A	4,001	0.19	A	3,059	0.14	A	5,556	0.26	A	3,810	0.18	A	4,539	0.21	A
Highland Ave.	Starlite Pl.	Savage St.	5,422	0.25	A	5,676	0.26	A	5,862	0.27	A	5,587	0.26	A	3,302	0.15	A	2,520	0.12	A	5,672	0.26	A	3,121	0.14	A	4,150	0.19	A
Highland Ave.	Savage St.	Bellevue Pl.	5,473	0.25	A	5,636	0.26	A	5,833	0.27	A	5,527	0.26	A	3,294	0.15	A	2,510	0.12	A	5,573	0.26	A	3,114	0.14	A	4,596	0.21	A
Morgan Ln.	Chandler Way	Washington Blvd.		0.00	A		0.00	A		0.00	A		0.00	A	13,594	0.84	D		0.00	A		0.00	A	13,261	0.82	D	11,790	0.73	C
Morgan Ln.	Washington Blvd.	Vine St.	5,776	0.36	A	5,577	0.34	A	5,283	0.33	A	5,343	0.33	A	12,117	0.75	C	9,728	0.60	B	5,139	0.32	A	11,787	0.73	C	11,586	0.72	C
Morgan Ln.	Vine St.	6th St	7,256	0.45	B	7,019	0.43	B	6,901	0.43	B	7,271	0.45	B	12,798	0.79	C	10,209	0.63	B	6,741	0.42	B	12,344	0.76	C	11,849	0.73	C
Morgan Ln.	6th St	7th St	5,591	0.35	A	4,876	0.30	A	4,856	0.30	A	5,784	0.36	A	7,260	0.45	B	5,807	0.36	A	5,174	0.32	A	6,816	0.42	B	6,352	0.39	A
Morgan Ln.	7th St	Interstate 5	4,459	0.28	A	4,453	0.27	A	4,412	0.27	A	4,448	0.27	A	4,229	0.26	A	4,200	0.26	A	4,387	0.27	A	4,247	0.26	A	4,225	0.26	A
Hillcrest Dr.	Washington Blvd.	6th St	3,860	0.24	A	3,804	0.23	A	3,830	0.24	A	3,841	0.24	A	3,859	0.24	A	4,194	0.26	A	3,860	0.24	A	3,889	0.24	A	3,787	0.23	A
Hillcrest Dr.	6th St	7th St	5,322	0.33	A	5,300	0.33	A	5,378	0.33	A	5,247	0.32	A	5,949	0.37	A	5,447	0.34	A	5,852	0.36	A	6,156	0.38	A	4,194	0.26	A
Hillcrest Dr.	7th St	9th St	3,414	0.21	A	3,058	0.19	A	3,169	0.20	A	3,084	0.19	A	3,066	0.19	A	2,704	0.17	A	2,970	0.18	A	3,082	0.19	A	3,071	0.19	A
Hillcrest Dr.	9th St	10th St	3,509	0.22	A	3,164	0.20	A	3,274	0.20	A	3,190	0.20	A	3,192	0.20	A	2,702	0.17	A	3,067	0.19	A	3,194	0.20	A	3,199	0.20	A
Hillcrest Dr.	10th St	Sunset Ln	2,250	0.14	A	2,180	0.13	A	2,179	0.13	A	2,172	0.13	A	2,154	0.13	A	2,132	0.13	A	2,128	0.13	A	2,094	0.13	A	2,117	0.13	A
Savage St.	Washington Blvd	6th St	3,039	0.19	A	1,989	0.12	A	2,578	0.16	A	2,930	0.18	A	2,701	0.17	A	1,924	0.12	A	2,657	0.16	A	2,452	0.15	A	3,094	0.19	A
Savage St.	6th St	7th St	5,299	0.33	A	4,773	0.29	A	4,874	0.30	A	4,959	0.31	A	4,761	0.30	A	5,186	0.32	A	5,066	0.31	A	4,556	0.28	A	4,890	0.30	A
Savage St.	7th St	9th St	3,804	0.24	A	3,756	0.23	A	3,654	0.23	A	3,719	0.23	A	3,639	0.22	A	4,124	0.25	A	3,837	0.24	A	3,657	0.23	A	3,653	0.23	A
Savage St.	9th St	10th St	2,027	0.13	A	2,071	0.13	A	2,092	0.13	A	2,063	0.13	A	2,020	0.12	A	1,918	0.12	A	2,004	0.12	A	2,025	0.13	A	2,023	0.12	A
A St	Grant St	Kinney St	5,473	0.25	A	5,636	0.26	A	5,933	0.27	A	5,527	0.26	A	3,294	0.15	A	2,510	0.12	A	5,573	0.26	A	3,114	0.14	A	461	0.02	A
A St	Kinney St	4th St	6,070	0.28	A	6,094	0.28	A	6,656	0.31	A	5,993	0.28	A	3,658	0.17	A	3,061	0.14	A	6,126	0.28	A	3,551	0.16	A	1,795	0.08	A
A St	4th St	6th St	7,969	0.37	A	6,737	0.31	A	5,946	0.28	A	7,225	0.33	A	5,733	0.27	A	5,041	0.23	A	7,782	0.36	A	5,479	0.25	A	3,811	0.18	A
A St	6th St	7th St	8,915	0.41	B	8,740	0.40	A	8,771	0.41	A	8,995	0.42	B	8,413	0.39	A	6,123	0.28	A	9,073	0.42	B	8,196	0.38	A	7,991	0.37	A
A St	7th St	Dean Dr	8,953	0.41	B	9,459	0.44	B	9,389	0.43	B	9,324	0.43	B	9,378	0.43	B	6,420	0.29	A	8,904	0.41	B	9,490	0.44	B	9,569	0.44	B
A St	Dean Dr	9th St	7,726	0.36	A	8,249	0.38	A	8,163	0.38	A	8,135	0.38	A	8,159	0.38	A	7,041	0.33	A	7,694	0.36	A	8,281	0.38	A	8,354	0.39	A
A St	9th St	North 10th St	6,433	0.30	A	6,294	0.29	A	5,935	0.27	A	6,273	0.29	A	5,531	0.26	A	6,400	0.30	A	6,382	0.30	A	5,594	0.26	A	5,518	0.26	A
A St	North 10th St	Beacon Dr	6,155	0.28	A	5,385	0.25	A	5,013	0.23	A	5,436	0.25	A	4,611	0.21	A	5,640	0.26	A	6,094	0.28	A	4,558	0.21	A	4,377	0.20	A
A St	Beacon Dr	Foothill	2,631	0.12	A	2,533	0.12	A	2,424	0.11	A	2,399	0.11	A	2,284	0.11	A	2,204	0.10	A	2,552	0.12	A	2,236	0.10	A	2,294	0.11	A
E St	Grant St	4th St	4,879	0.23	A	8,706	0.40	A	8,035	0.37	A	9,036	0.42	B	4,222	0.20	A	5,340	0.25	A	4,645	0.22	A	4,211	0.19	A	4,156	0.19	A
E St	4th St	6th St	5,636	0.26	A	7,112	0.33	A	6,787	0.31	A	6,779	0.31	A	4,508	0.21	A	5,452	0.25	A	5,840	0.27	A	4,412	0.20	A	4,404	0.20	A
E St	6th St	7th St	7,562	0.35	A	6,186	0.29	A	7,614	0.35	A	7,770	0.36	A	7,418	0.34	A	7,644	0.35	A	7,620	0.35	A	7,402	0.34	A	7,645	0.35	A
E St	7th St	9th St	8,076	0.45	B	7,606	0.43	B	8,217	0.46	B	8,056	0.45	B	8,348	0.47	B	8,950	0.50	B	7,949	0.45	B	8,132	0.46	B	8,682	0.49	B
E St	9th St	Mill St	8,477	0.42	B	7,976	0.40	A	8,057	0.40	A	8,313	0.42	B	8,278	0.41	B	8,459	0.42	B	8,451	0.42	B	8,296	0.41	B	8,157	0.41	A
E St	Mill St	F St	11,945	0.60	B	11,695	0.58	B	11,756	0.59	B	11,612	0.58	B	12,050	0.60	B	11,956	0.60	B	11,996	0.60	B	12,061	0.60	B	12,163	0.61	B
F St	3rd St	6th St	6,033	0.28	A	7,707	0.36	A	7,391	0.34	A	8,286	0.39	A	4,601	0.22	A	5,715	0.26	A	6,255	0.29	A	4,707	0.22	A	4,626	0.21	A
F St	6th St	7th St	8,637	0.40	A	8,841	0.41	A	10,076	0.47	B	10,877	0.50	B	7,676	0.36	A	8,102	0.38	A	8,645	0.40	A	7,376	0.34	A	7,044	0.33	A
F St	7th St	9th St	7,526	0.42	B	7,018	0.39	A	7,165	0.40	A	7,367	0.41	B	7,644	0.43	B	7,815	0.44	B	7,175	0.40	A	7,394	0.41	B	7,699	0.43	B
F St	9th St	Mill St	7,629	0.38	A	7,785	0.39	A	7,935	0.40	A	8,029	0.40	A	7,833	0.39	A	7,916	0.40	A	7,521	0.38	A	7,733	0.39	A	7,748	0.39	A
F St	Mill St	E St	8,614	0.43	B	8,654	0.43	B	8,724	0.44	B	8,759	0.44	B	8,816	0.44	B	8,949	0.45	B	8,396	0.42	B	8,685	0.43	B	8,831	0.44	B
M St	4th St	6th St	11,664	0.55	B	7,729	0.36	A	8,066	0.37	A	9,354	0.43	B	6,847	0.32	A	10,163	0.47	B	12,020	0.56	B	8,189	0.38	A	9,020	0.42	B
M St	6th St	7th St	11,769	0.54	B	10,230	0.47	B	10,424	0.48	B	10,749	0.50	B	10,721	0.50	B	11,441	0.53	B	11,759	0.54	B	10,363	0.48	B	10,944	0.51	B
M St	7th St	9th St	8,549	0.40	A	10,887	0.50	B	10,529	0.49	B	10,061	0.47	B	10,491	0.49	B	6,940	0.32	A	8,343	0.39	A	9,895	0.46	B	10,157	0.47	B
M St	9th St	10th St	8,002	0.37	A	7,817	0.36	A	7,774	0.36	A	7,831	0.36	A	7,959	0.37	A	7,998	0.37	A	7,769	0.36	A	8,059	0.37	A	8,000	0.37	A
M St	10th St	12th St	7,101	0.33	A	7,497	0.35	A	7,466	0.35	A	7,487	0.35	A	7,709	0.36	A	7,630	0.35	A	7,740	0.36	A	7,770	0.36	A	7,775	0.36	A
M St	12th St	N St	11,457	0.53	B	11,459	0.53	B	11,465	0.53	B	11,461	0.53	B	11,465	0.53	B	11,456	0.53	B	11,439	0.53	B	11,467	0.53	B	11,477	0.53	B
M St	N St	N St	9,847	0.46	B	9,847	0.46	B	9,851	0.46	B	9,849	0.46	B	9,851	0.46	B	9,847	0.46	B	9,837	0.46	B	9,851	0.46	B	9,857	0.46	B
Grants Pass Parkw	7th St	Parkdale Dr	23,153	0.49	B	20,028	0.42	B	19,693	0.42	B	20,123	0.43	B	18,670	0.40	A	19,843	0.42	B	23,070	0.49	B	18,789	0.40	A	18,709	0.40	A

			2015 Alternative Run Assignments																												
			No Build Alternative			Alternative 1			Alternative 2			Alternative 3			Alternative 4			Alternative 5			Alternative 6			Alternative 7			Alternative 8		
Street Name	Segment Name (From)	Segment Name (To)	Volume	V/C	LOS	Volume	V/C	LOS	Volume	V/C	LOS	Volume	V/C	LOS	Volume	V/C	LOS	Volume	V/C	LOS	Volume	V/C	LOS	Volume	V/C	LOS	Volume	V/C	LOS
Grants Pass Parkw	Parkdale Dr	M St	28,823	0.61	B	25,224	0.53	B	25,256	0.54	B	25,830	0.54	B	23,620	0.50	B	24,769	0.53	B	28,830	0.61	B	23,625	0.50	B	23,524	0.50	B
Grants Pass Parkw	M St	Hwy 199 Spur	26,963	0.57	B	25,810	0.55	B	25,815	0.55	B	25,916	0.55	B	24,347	0.52	B	25,020	0.53	B	26,954	0.57	B	24,521	0.52	B	23,956	0.51	B
Grants Pass Parkw	Hwy 199 Spur	Beacon Dr	36,103	0.76	C	34,950	0.74	C	34,984	0.74	C	35,146	0.74	C	33,898	0.72	C	34,772	0.74	C	36,014	0.76	C	34,027	0.72	C	33,659	0.71	C
Grants Pass Parkw	Beacon Dr	Terry Ln	27,072	0.57	B	26,854	0.57	B	27,381	0.58	B	27,027	0.57	B	26,232	0.56	B	26,399	0.56	B	27,076	0.57	B	26,224	0.56	B	26,164	0.55	B
Grants Pass Parkw	Terry Ln	Agnes Ave	22,325	0.47	B	22,032	0.47	B	22,191	0.47	B	22,057	0.47	B	21,323	0.45	B	20,871	0.44	B	22,248	0.47	B	21,153	0.45	B	20,878	0.44	B
Grants Pass Parkw	Agnes Ave	I-5	28,763	0.61	B	27,605	0.58	B	27,700	0.59	B	27,860	0.59	B	26,259	0.56	B	26,470	0.56	B	29,065	0.62	B	26,350	0.56	B	26,097	0.55	B
6th St	Begins at I-5	Vine St	17,231	0.27	A	17,095	0.36	A	17,095	0.36	A	17,130	0.36	A	17,462	0.37	A	17,398	0.37	A	18,481	0.39	A	17,478	0.37	A	17,548	0.37	A
6th St	Vine St	Hillcrest Ln	15,106	0.62	B	15,509	0.64	B	15,429	0.64	B	15,462	0.64	B	13,025	0.54	B	13,529	0.56	B	14,787	0.61	B	12,863	0.53	B	12,822	0.53	B
6th St	Hillcrest Ln	Midland Ave	16,197	0.67	B	16,793	0.69	C	16,726	0.69	C	16,748	0.69	C	14,281	0.59	B	15,274	0.63	B	16,034	0.66	B	14,287	0.59	B	14,241	0.59	B
6th St	Midland Ave	Savage St	18,531	0.39	A	18,841	0.40	A	18,779	0.40	A	18,983	0.40	A	14,863	0.31	A	15,890	0.34	A	18,436	0.39	A	14,920	0.32	A	14,818	0.31	A
6th St	Savage St	Manzanita Ave	17,229	0.37	A	18,576	0.39	A	18,130	0.38	A	18,095	0.38	A	14,220	0.30	A	15,151	0.32	A	17,892	0.38	A	14,257	0.30	A	13,731	0.29	A
6th St	Manzanita Ave	A St	20,196	0.43	B	21,136	0.45	B	20,636	0.44	B	20,703	0.44	B	16,931	0.36	A	18,415	0.39	A	20,285	0.43	B	16,865	0.36	A	16,561	0.35	A
6th St	A St	D St	22,234	0.47	B	23,199	0.49	B	22,680	0.48	B	22,919	0.49	B	18,991	0.40	A	18,140	0.38	A	22,313	0.47	B	18,959	0.40	A	17,580	0.37	A
6th St	E St	F St	22,024	0.47	B	20,429	0.43	B	19,797	0.42	B	20,532	0.44	B	18,304	0.39	A	17,952	0.38	A	21,894	0.46	B	18,742	0.40	A	17,797	0.38	A
6th St	F St	H St	21,341	0.45	B	19,535	0.41	B	19,024	0.40	A	19,852	0.42	B	18,047	0.38	A	17,487	0.37	A	21,487	0.45	B	17,983	0.38	A	17,243	0.37	A
6th St	H St	M St	20,959	0.44	B	18,515	0.39	A	17,929	0.38	A	18,507	0.39	A	17,218	0.36	A	16,627	0.35	A	20,726	0.44	B	17,106	0.36	A	16,567	0.35	A
6th St	M St	Voorhies Ave	24,669	0.52	B	20,245	0.43	B	20,202	0.43	B	21,199	0.45	B	19,517	0.41	B	20,046	0.42	B	24,639	0.52	B	19,247	0.41	A	19,436	0.41	B
6th St	Voorhies Ave	Lewis Ave	26,060	1.08	F	21,904	0.91	D	21,844	0.90	D	22,535	0.93	E	21,175	0.88	D	21,597	0.89	D	26,106	1.08	F	20,890	0.86	D	21,094	0.87	D
6th St	Lewis Ave	West Park St	26,962	0.57	B	22,772	0.48	B	22,721	0.48	B	23,401	0.50	B	21,909	0.46	B	22,442	0.48	B	27,002	0.57	B	21,987	0.46	B	21,818	0.46	B
6th St	West Park St	Redwood Hwy	18,713	0.40	A	14,477	0.31	A	14,386	0.30	A	14,967	0.32	A	13,475	0.28	A	13,772	0.29	A	18,671	0.40	A	13,156	0.28	A	13,342	0.28	A
6th St	Redwood Hwy	Fruitdale Dr	12,600	0.27	A	12,919	0.27	A	12,841	0.27	A	13,136	0.28	A	12,017	0.25	A	13,060	0.28	A	12,880	0.27	A	10,669	0.23	A	10,999	0.23	A
7th St	Morgan Ln	Hillcrest Dr	12,936	0.53	B	12,217	0.50	B	12,134	0.50	B	12,292	0.51	B	11,399	0.47	B	11,149	0.46	B	12,016	0.50	B	11,197	0.46	B	11,509	0.48	B
7th St	Hillcrest Dr	Midland Ave	16,433	0.68	C	16,874	0.70	C	16,721	0.69	C	16,766	0.69	C	15,252	0.63	B	15,512	0.64	B	16,216	0.67	C	15,154	0.63	B	15,295	0.63	B
7th St	Midland Ave	Savage St	16,148	0.67	B	16,469	0.68	C	16,391	0.68	C	16,486	0.68	C	14,850	0.61	B	15,025	0.62	B	16,209	0.67	B	14,629	0.60	B	14,772	0.61	B
7th St	Savage St	Outlook Ave	17,496	0.72	C	18,131	0.75	C	18,114	0.75	C	18,207	0.75	C	16,033	0.66	B	16,764	0.69	C	17,765	0.73	C	16,031	0.66	B	15,821	0.65	B
7th St	Outlook Ave	Evelyn Ave	17,851	0.74	C	18,717	0.77	C	18,485	0.76	C	18,740	0.77	C	16,093	0.66	B	16,806	0.69	C	18,094	0.75	C	15,759	0.65	B	15,358	0.63	B
7th St	Evelyn Ave	Jackson St	19,151	0.79	C	20,017	0.83	D	19,765	0.82	D	20,040	0.83	D	17,393	0.72	C	18,106	0.75	C	19,394	0.80	C	17,039	0.70	C	16,659	0.69	C
7th St	Jackson St	A St	20,327	0.84	D	21,430	0.89	D	20,222	0.84	D	20,989	0.87	D	16,922	0.70	C	17,189	0.71	C	20,103	0.83	D	17,182	0.71	C	16,095	0.67	B
7th St	A St	E St	20,851	0.58	B	21,920	0.61	B	20,929	0.59	B	21,789	0.61	B	17,403	0.49	B	16,842	0.47	B	20,885	0.59	B	17,207	0.48	B	16,067	0.45	B
7th St	E St	F St	21,899	0.61	B	23,617	0.66	B	21,487	0.60	B	22,759	0.64	B	17,749	0.50	B	17,577	0.49	B	22,099	0.62	B	17,547	0.49	B	16,383	0.46	B
7th St	F St	J St	20,750	0.58	B	19,554	0.55	B	18,603	0.52	B	19,225	0.54	B	17,510	0.49	B	16,879	0.47	B	20,595	0.58	B	17,345	0.49	B	16,791	0.47	B
7th St	J St	M St	19,250	0.54	B	17,200	0.48	B	16,270	0.46	B	16,787	0.47	B	15,867	0.44	B	15,209	0.43	B	19,272	0.51	B	15,781	0.44	B	15,292	0.43	B
7th St	M St	Voorhies Ave	25,799	0.72	C	21,970	0.62	B	21,549	0.60	B	22,527	0.63	B	21,399	0.60	B	21,799	0.61	B	25,778	0.72	C	20,987	0.59	B	21,349	0.60	B
7th St	Voorhies Ave	Park St	25,091	1.03	F	21,359	0.88	D	20,909	0.86	D	21,587	0.89	D	20,749	0.86	D	21,070	0.87	D	25,089	1.04	F	20,354	0.84	D	20,731	0.86	D
7th St	Park St	Redwood Hwy	11,379	0.24	A	8,394	0.18	A	8,749	0.19	A	8,956	0.19	A	9,133	0.19	A	8,891	0.19	A	12,147	0.26	A	8,900	0.19	A	8,700	0.18	A
9th St	Hillcrest Dr	Savage St	605	0.04	A	648	0.04	A	651	0.04	A	654	0.04	A	672	0.04	A	696	0.04	A	692	0.04	A	671	0.04	A	672	0.04	A
9th St	Savage St	Madrone St	3,313	0.20	A	3,119	0.19	A	2,994	0.18	A	3,087	0.19	A	3,051	0.19	A	3,440	0.21	A	3,265	0.20	A	3,094	0.19	A	3,062	0.19	A
9th St	Madrone St	A St	3,497	0.22	A	4,749	0.29	A	4,301	0.27	A	4,045	0.25	A	4,152	0.26	A	0	0.00	A	3,529	0.22	A	4,324	0.27	A	4,398	0.27	A
9th St	D St	E St	3,696	0.23	A	4,299	0.27	A	4,135	0.26	A	4,382	0.27	A	3,924	0.24	A	3,960	0.25	A	3,499	0.22	A	4,285	0.26	A	3,259	0.20	A
9th St	E St	F St	4,361	0.27	A	4,609	0.28	A	4,881	0.30	A	4,699	0.29	A	4,511	0.28	A	4,475	0.28	A	4,355	0.27	A	4,651	0.29	A	4,209	0.26	A
9th St	F St	J St	5,309	0.33	A	5,632	0.35	A	5,292	0.33	A	4,968	0.31	A	4,977	0.31	A	4,543	0.28	A	5,828	0.36	A	4,854	0.30	A	4,547	0.28	A
9th St	J St	M St	3,761	0.23	A	4,799	0.30	A	4,494	0.28	A	4,210	0.26	A	4,280	0.26	A	3,690	0.23	A	3,738	0.23	A	4,146	0.26	A	3,832	0.24	A
10th St	Hillcrest Dr	Dewey Dr	2,263	0.14	A	2,379	0.15	A	2,470	0.15	A	2,415	0.15	A	2,317	0.14	A	1,801	0.11	A	2,272	0.14	A	2,309	0.14	A	2,288	0.14	A
10th St	Dewey Dr	Savage St	2,818	0.17	A	2,932	0.18	A	3,019	0.19	A	2,963	0.18	A	2,869	0.18	A	2,257	0.14	A	2,824	0.17	A	2,951	0.18	A	2,836	0.18	A
10th St	Savage St	Josephine St	4,329	0.27	A	4,463	0.28	A	4,599	0.28	A	4,498	0.28	A	4,351	0.27	A	3,629	0.22	A	4,340	0.27	A	4,341	0.27	A	4,324	0.27	A
10th St	Josephine St	A St	5,090	0.31	A	4,416	0.27	A	4,261	0.26	A	4,524	0.28	A	4,329	0.27	A	6,877	0.43	B	4,998	0.31	A	4,229	0.26	A	4,106	0.25	A
Fruitdale Dr	Jacksonville Hwy	Popular Dr	4,794	0.30	A	5,061	0.31	A	4,941	0.31	A	4,774	0.29	A	4,769	0.29	A	4,737	0.29	A	4,706	0.29	A	4,900	0.30	A	4,940	0.30	A
Fruitdale Dr	Popular Dr	Drury Ln	4,794	0.30	A	5,061	0.31	A	4,941	0.31	A	4,774	0.29	A	4,769	0.29	A	4,737	0.29	A	4,706	0.29	A	4,900	0.30	A	4,940	0.30	A
Fruitdale Dr	Drury Ln	Parkdale Dr	4,444	0.27	A	4,069	0.25	A	4,204	0.26	A	4,060	0.25	A	3,627	0.22	A	3,697	0.23	A	3,762	0.23	A	3,804	0.23	A	3,805	0.23	A
Fruitdale Dr	Parkdale Dr	Alexander Ln	5,392	0.33	A	5,666	0.35	A	5,693	0.35	A	5,027	0.31	A	5,565	0.34	A	5,533	0.34	A	5,233	0.32	A	5,472	0.34	A	5,591	0.35	A
Grandview Ave	Harbeck Rd	Drury Ln	5,404	0.33	A	5,100	0.31	A	5,105	0.32	A	5,219	0.32	A	5,223	0.32	A	5,224	0.32	A	5,290	0.33	A	5,185	0.32	A	5,339	0.33	A
Grandview Ave	Drury Ln	Gaffney Way	5,496	0.34	A	5,199	0.32	A	5,206	0.32	A	5,318	0.33	A	5,326	0.33	A	5,320	0.33	A	5,390	0.33	A	5,296	0.33	A	5,455	0.34	A
Grandview Ave	Gaffney Way	Cloverlawn Dr	4,582	0.28	A	4,292	0.26	A	4,312	0.27	A	4,417	0.27	A	4,442	0.27	A	4,433	0.27	A	4,482	0.28	A	4,430	0.27	A	4,545	0.28	A
Cloverlawn	Rogue River Hwy	Fruitdale Dr	5,929	0.37	A	4,774	0.29	A	4,600	0.28	A	5,565	0.34	A	3,650	0.23	A	4,572	0.28	A	5,929	0.37	A	4,249	0.26	A	4,052	0.25	A
Cloverlawn	Fruitdale Dr	Alanta Rd	7,539	0.47	B	7,551	0.47	B	7,413	0.46	B	7,450	0.46	B	7,106	0.44	B	7,400	0.46	B	7,475	0.46	B	6,571	0.41	A	6,527	0.40	A
Cloverlawn	Alanta Rd	Hamilton Ln	7,756	0.48	B	8,784	0.54	B	8,765	0.54	B	8,780	0.54	B	8,770	0.54	B	8,776	0.54	B	8,780	0.54	B	8,788	0.54	B	8,746	0.54	B
Rogue River Hwy	Redwood Hwy	Maple Ln	17,996	0.59	B	18,169	0.60	B	17,996	0.59	B	18,149	0.60	B	18,566	0.61	B	18,453	0.61	B	17,926	0.59	B	18,478	0.61	B	18,414	0.61	B
Rogue River Hwy	Maple Ln	Parkdale Dr	18,622	0.61	B	18,724	0.62	B	18,466	0.61	B	18,869	0.62	B	19,110	0.63	B	16,993	0.56	B	18,619	0.61	B	19,079	0.63	B	18,950	0.63	B
Rogue River Hwy	Parkdale Dr	Cloverlawn Dr	16,017	0.53	B	16,157	0.53	B	16,143	0.53	B	16,675	0.55	B	16,162	0.53	B	17,169	0.57	B	16,299	0.54	B	16,309	0.54	B	16,039	0.53	B
Rogue River Hwy	Cloverlawn Dr	Mt Baldy Rd	10,452	0.34	A	10,370	0.34	A	10,466	0.35	A	10,527	0.35	A	10,536	0.35	A	10,483	0.35	A	10,425	0.34	A	10,316	0.34	A	10,426	0.34	A
Rogue River Hwy	Mt Baldy Rd	Fruitdale Dr	9,228	0.30	A	9,143	0.30	A	9,241	0.30	A	9,300	0.30	A	9,310	0.30	A	9,257	0.30	A	9,199	0.30	A	9,089	0.30	A	9,193	0.30	A
Rogue River Hwy	Fruitdale Dr	Packerwood Ln	12,401	0.51	B	12,407	0.51	B	12,427	0.51	B	12,411	0.51	B	12,427	0.51	B	12,411	0.51	B	12,381	0.51	B	12,409	0.51	B	12,423	0.51	B
4th St	Evelyn Ave	A St	7,609	0.47	B	7,231	0.45	B	7,759	0.48	B	7,600	0.47	B	7,163	0.44	B	7,858	0.48	B	6,960	0.43	B	7,311	0.45	B	7,606	0.47	B
4th St	A St	E St	8,165	0.50	B	8,744	0.54	B	7,119	0.44	B	8,859	0.55	B	6,076	0.38	A	6,213	0.38	A	8,010	0.49	B	6,072	0.37	A	5,002	0.31	A
4th St	E St	F St	7,139	0.44	B	6,652	0.41	B	6,409	0.40	A	6,461	0.40	A	6,745	0.42	B	6,419	0.40	A	7,677	0.47	B	6,727	0.42	B	6,157	0.38	A
4th St	F St	J St	7,153	0.44	B	4,515	0.28	A	4,794	0.30	A	4,479	0.28	A	5,710	0.35	A	5,299	0.33	A	7,299	0.45	B	5,729	0.35	A	5,179	0.32	A
4th St	J St	Bridge St	4,067	0.25	A	4,303	0.27	A	4,616	0.28	A	4,554	0.28	A	4,659	0.28	A	4,104	0.25	A	4,780	0.30	A	4,631	0.28	A	3,865	0.24	A
Harbeck Rd	Union Ave	GI Ln	6,732	0.42	B	7,457	0.46	B	7,530	0.46	B	7,656	0.47	B	7,239	0.45	B	7,432	0.46	B	7,036	0.43	B	6,042	0.37	A	5,789	0.36	A
Harbeck Rd	GI Ln	Grandview Ave	2,948	0.18	A	2,707	0.17	A	2,802	0.17	A	2,831	0.17	A	2,909	0.18	A	2,784	0.17	A	2,812	0.17	A	3,273	0.20	A	3,254	0.20	A
Harbeck Rd	Grandview Ave	West Harbeck Rd	3,187	0.20	A	3,003	0.19	A	2,913	0.18	A	3,000	0.19	A	2,835	0.18	A	3,042	0.19	A	3,095	0.19	A	2,524	0.16	A	2,697	0.17	A
West Harbeck Rd	Allen Creek Rd	Williams Hwy	5,076	0.31	A	5,200	0.32	A	5,197	0.32	A	4,957	0.31	A	5,698	0.35	A	4,863	0.30	A	4,761	0.29	A	757	0.05	A	48	0.00	A
West Harbeck Rd	Williams Hwy	Towne St	2,621	0.17	A	2,658	0.16	A	2,580	0.16	A	2,650	0.16	A	2,687	0.16	A	2,699	0.17	A	2,748	0.17	A	2,237	0.14	A	2,392	0.15	A
West Harbeck Rd	Towne St	Harbeck Rd	3,167	0.20	A	3,003	0.19	A	2,913	0.18	A	3,000	0.19	A	1,935	0.12	A	3,042	0.19	A	3,095	0.19	A	2,524	0.16	A	2,697	0.17	A

Tab

INTERSECTION	Existing Delay	NO BUILD	ALT 1	ALT 2	ALT 3	ALT 4	ALT 5	ALT 6	ALT 7	ALT 8
6th at Morgan Lane	26	37	31	31	39	>60	52	32	>60	>60
	D	D	D	D	D	F	E**	D	F	F***
7th at Morgan Lane	7	10	9	9	10	10	9	9	9	9
	B	B	B	B	B	B	B	B	B	B
6th Street at E Street	6	8	7	8	8	7	7	8	7	7
	B	B	B	B	B	B	B	B	B	B
7th Street at E Street	8	10	10	11	10	10	13	10	10	12
	B	B	B	B	B	B	B	B	B	B
7th Street at F Street	7	8	8	8	8	7	7	8	7	7
	B	B	B	B	B	B	B	B	B	B
6th Street at M Street	10	18	10	10	10	10	11	>60	10	10
	B	C	B	B	B	B	B	F	B	B
7th Street at M Street	9	>60	>60	>60	>60	>60	>60	>60	>60	>60
	B	F	F	F	F	F	F*	F	F	F*
6th Street at Redwood Highway	13	17	14	14	14	14	14	N/A	14	14
	B	C	B	B	B	B	B		B	B
7th Street at Redwood Highway	12	14	13	13	13	13	13	N/A	12	13
	B	B	B	B	B	B	B		B	B
Grants Pass Parkway at Redwood Hwy. Spur	12	13	13	13	13	13	12	13	13	13
	B	B	B	B	B	B	B	B	B	B
Jacksonville Highway at Redwood Highway	44	>60	>60	>60	>60	>60	>60	N/A	>60	>60
	E	F	F	F	F	F	F		F	F

* LOS C could be achieved through minor signal timing change
** LOS D could be achieved through minor signal timing change
*** LOS E could be achieved through minor signal timing change

No Build Alternative

The no-build or "do nothing" alternative assumes there will be no new roadway construction or other major capital investments made over the next 20 years, outside of projects already scheduled in the six year TIP.

Figure 1 illustrates the levels of service associated with the no-build alternative. Under the no-build alternative, the following seven roadway segments will operate at Level of Service (LOS) C in 2015:

- **Redwood Highway:** Fairgrounds Road to Tussy Lane;
- **Bridge Street:** Oak Street to Division Street;
- **Grants Pass Parkway:** Highway 199 Spur to Beacon Drive; and
- **7th Street:** Hillcrest Lane to Midland Avenue, Savage Street to Jackson Street, M Street to Voorhies Avenue.

Two roadway segments will operate at LOS D in 2015 including:

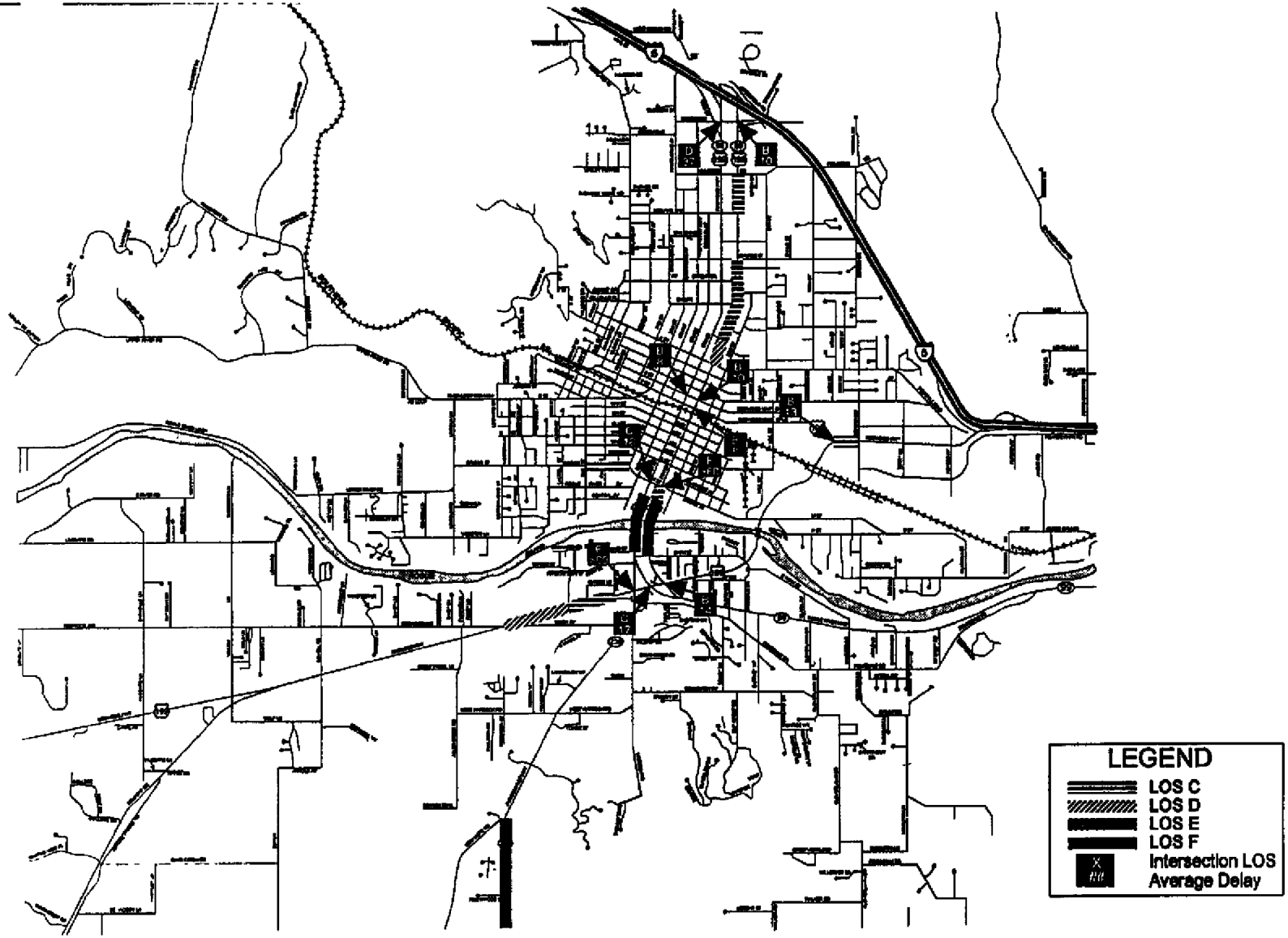
- **Redwood Highway:** Redwood Avenue to Fairgrounds Road; and
- **7th Street:** Jackson Street to A Street.

No roadway segments will operate at LOS E in 2015 in the No Build Alternative.

Three roadway segments will operate at LOS F in 2015:

- **Jacksonville Highway:** New Hope Road to the study area boundary;
- **6th Street:** Voorhies Avenue to Lewis Avenue; and
- **7th Street:** Voorhies Avenue to Park Street.

The primary highlights of future traffic conditions under this alternative shows a heavy orientation of east-west traffic on Redwood Highway and Grants Pass Parkway for east-west travel and on 6th Street and 7th Street for north-south travel. Because of the limited capacity and resultant heavy congestion on the 6th and 7th Street bridges, much of the traffic that might



KJS

Figure 1 - Congestion in the No Build Alternative

Grants Pass
Urban Area
Transportation Plan

have otherwise be destined to the downtown area or traveling beyond it via 6th and 7th Streets, appears to be being diverted to I-5 and Grants Pass Parkway. The traffic congestion on the Jacksonville Highway south of New Hope Road is caused by a roadway capacity reduction from four lanes to two lanes at that point.

Of the eleven intersections evaluated four would have a degradation in their associated levels of service.

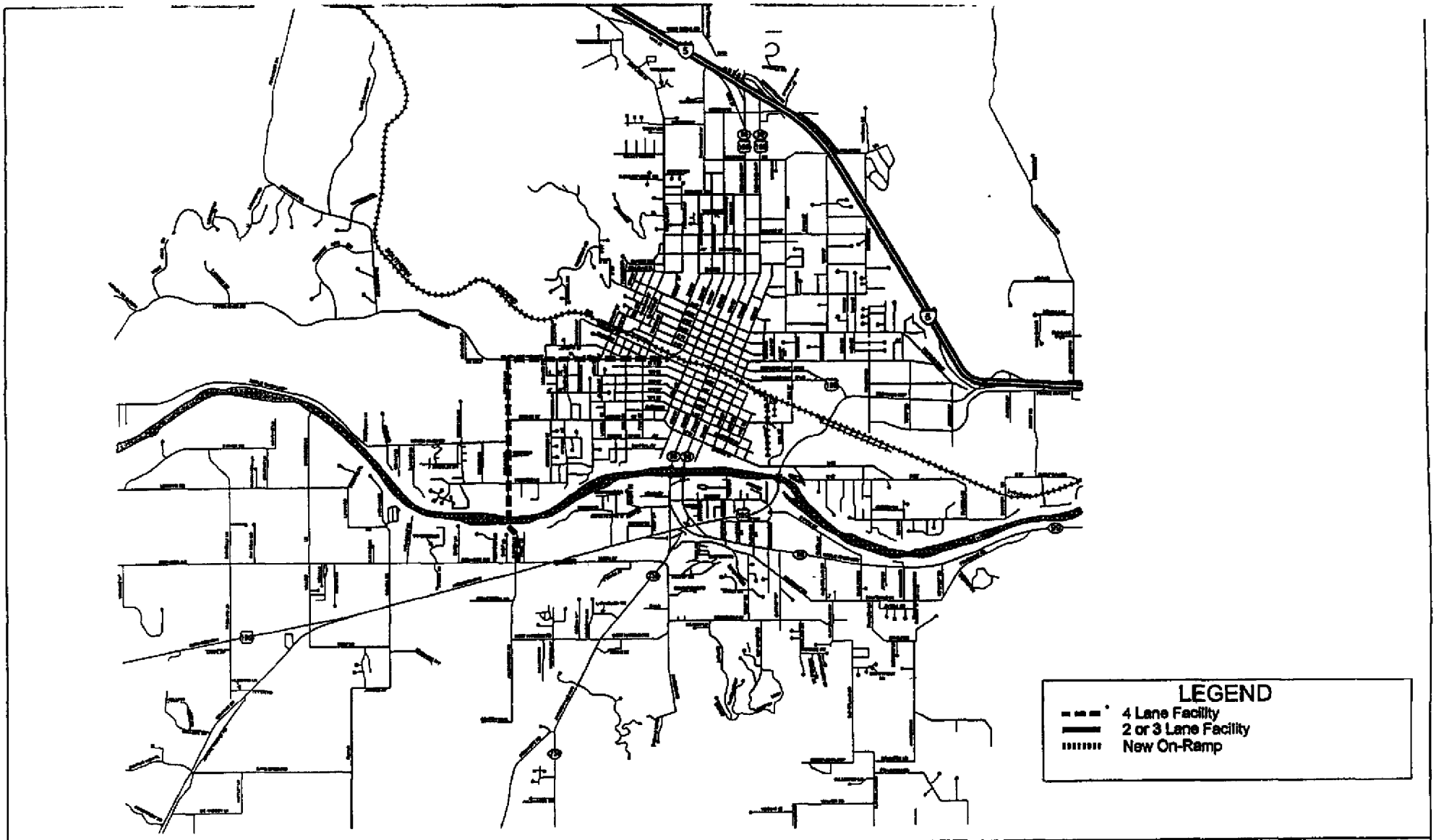
- The LOS would decrease from B to C at the 6th Street and M Street intersection.
- The LOS would decrease from B to C at the 6th Street and Redwood Highway intersection.
- The LOS would decrease from B to F at the 7th Street and M Street intersection.
- The LOS would decrease from E to F at the Jacksonville Highway and Redwood Highway intersection.

Alternative 1

Alternative 1 includes the roadway improvement assumptions listed below which are also illustrated in Figure 2:

- The addition of a fourth bridge that extends north from the Flower Lane roadway alignment on the south side of the Rogue River to the Lincoln Lane alignment on the north side of the river;
- Widening of Flower Lane and Lincoln Road from two to four lanes;
- Widening of River Loop Highway/G Street from two to four lanes;
- Extending Union Avenue west to the intersection of Redwood Avenue and the Redwood Highway;
- Addition of a new northbound on-ramp to I-5 from Scoville Road, consistent with the planned roadway improvements for the factory outlet center project; and

Creation of a new service road on the north side of I-5 from Hillcrest Drive to Greenfield Road.



KJS

Figure 2 - Improvements Included in Alternative 1

Grants Pass
Urban Area
Transportation Plan

Figure 3 illustrates the level of service associated with Alternative 1 improvements. Under the Alternative 1 scenario, the following four roadway segments will operate at LOS C in 2015:

- **Redwood Highway:** Redwood Avenue to Fairgrounds Road;
- **Grants Pass Parkway:** Highway 199 Spur to Beacon Drive;
- **6th Street:** Hillcrest Drive to Midland Avenue; and
- **7th Street:** Hillcrest Lane to Evelyn Avenue.

Two roadway segments will operate at LOS D in 2015:

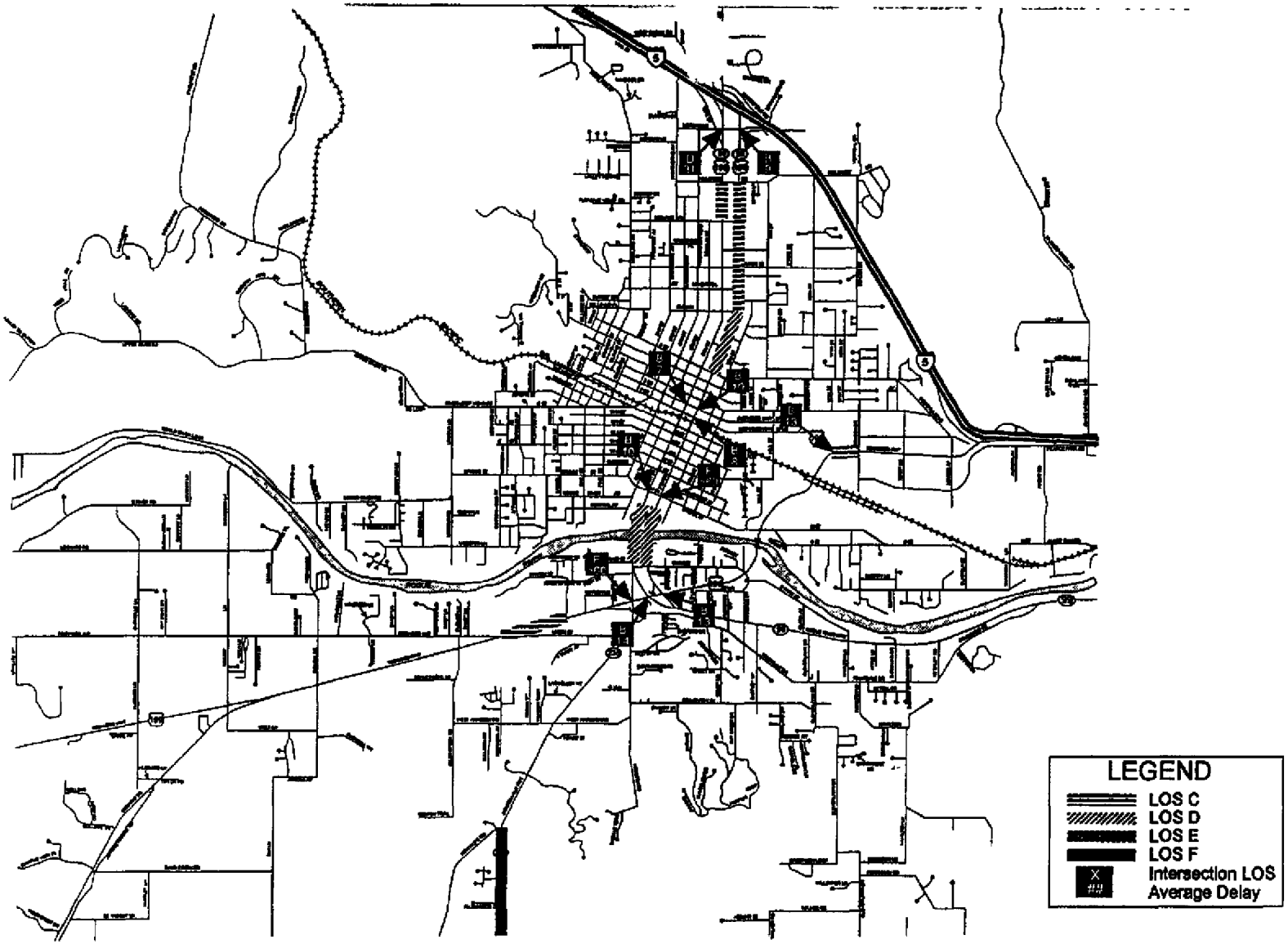
- **6th Street:** Voorhies Avenue to Lewis Avenue.
- **7th Street:** Evelyn Avenue to A Street, Voorhies Avenue to Park Street.

One roadway segment will operate at LOS F in 2015:

- **Jacksonville Highway:** New Hope Road to the study area boundary.

No roadway segments will operate at LOS E in 2015 in Alternative 1.

The improvements associated with Alternative 1 result in a reduction in congestion on Redwood Highway between Redwood Avenue and the "Y" interchange, as well as on the 6th and 7th Street bridges. However, congestion increases on 6th and 7th Street north of the downtown area. This increase in congestion may be due in part to the additional capacity across the river created by the addition of a fourth bridge. This is because traffic that under the No-build alternative accessed the area south of the Rogue River via I-5 and Grants Pass Parkway, may now be using 6th and 7th Street to access the new bridge. This shift in travel patterns is evidenced by the approximately 3,500 vehicles per day decrease in volume on Grants Pass Parkway and the approximately 1,000 vehicles per day increase in volume on both 6th and 7th Streets at the north end of the city. There area also volume reductions on A, E, an F Streets in the vicinity of Grants Pass Parkway that appear to be related to the remaining 1,500 vehicle trip reduction on Grants Pass Parkway that appears to now be using the fourth bridge. The other notable traffic pattern change involves



KJS

Figure 3 - Congestion in Alternative 1

Grants Pass
Urban Area
Transportation Plan

approximately 4,000 vehicles per day shifting to the new bridge from the each of the 6th and 7th Street bridges.

Of the eleven intersections evaluated, two would have a degradation in their associated levels of service.

- The LOS would decrease from B to F at the 7th Street and M Street intersection.
- The LOS would decrease from E to F at the Jacksonville Highway and Redwood Highway intersection.

Alternative 2

The roadway improvements included in Alternative 2, which are illustrated in Figure 4, are the same as in Alternative 1 with the following enhancements:

- Extend Lincoln Road north across the railroad tracks; and
- Widen Foundry Street to four lanes from 3rd Street west and extend it so that it connects with the northern extension of Lincoln Street.

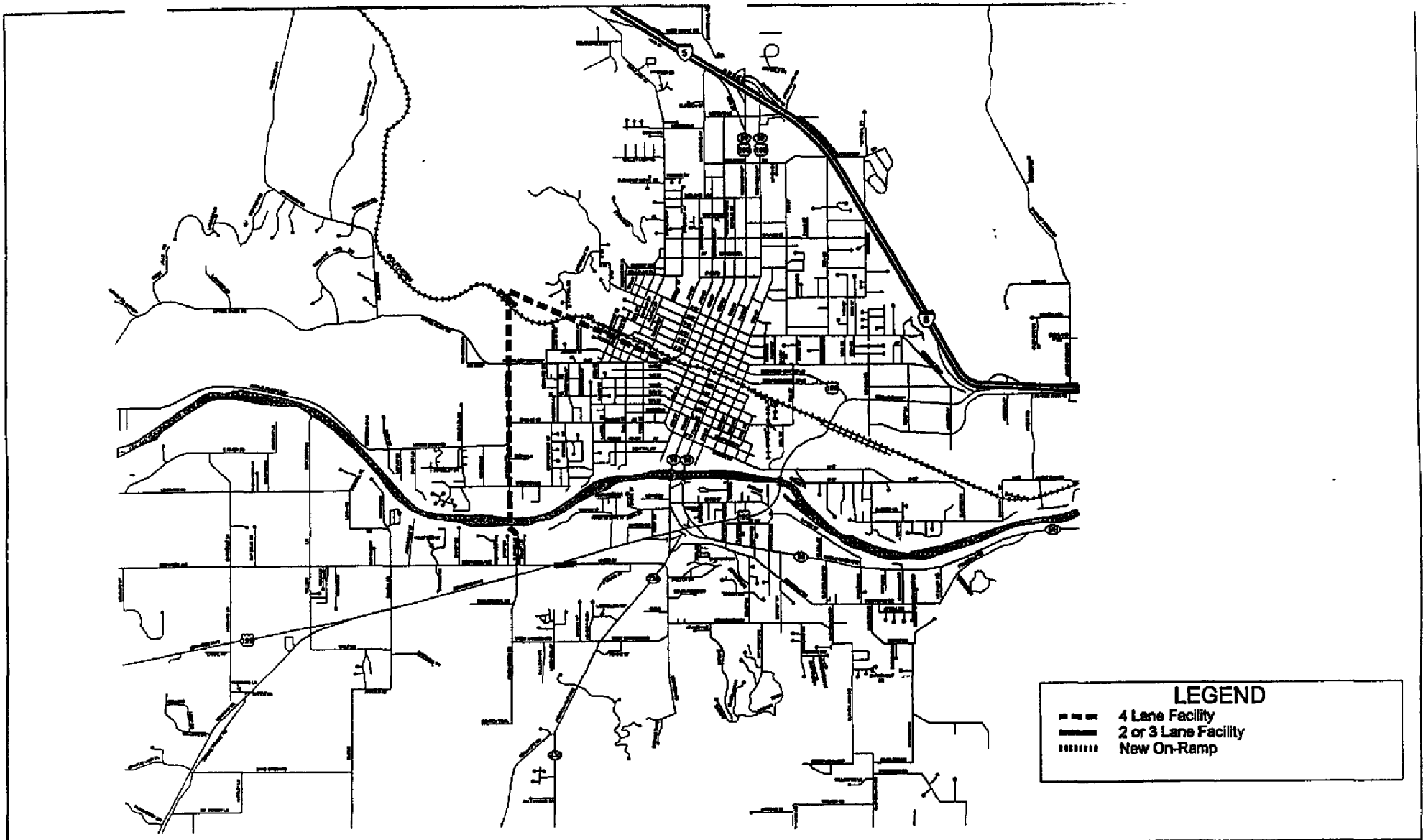
Figure 5 illustrates the level of service associated with Alternative 2 improvements. Under this scenario the following five roadway segments will operate at LOS C in 2015:

- **Redwood Highway:** Redwood Avenue to Fairgrounds Road;
- **Grants Pass Parkway:** Highway 199 Spur to Beacon Drive;
- **River Loop Highway/G Street:** Lincoln Street to Oak Street;
- **6th Street:** Hillcrest Drive to Midland Avenue; and
- **7th Street:** Hillcrest Lane to Evelyn Avenue.

Two roadway segments will operate at LOS D in 2015 including:

- **6th Street:** Voorhies Avenue to Lewis Avenue; and

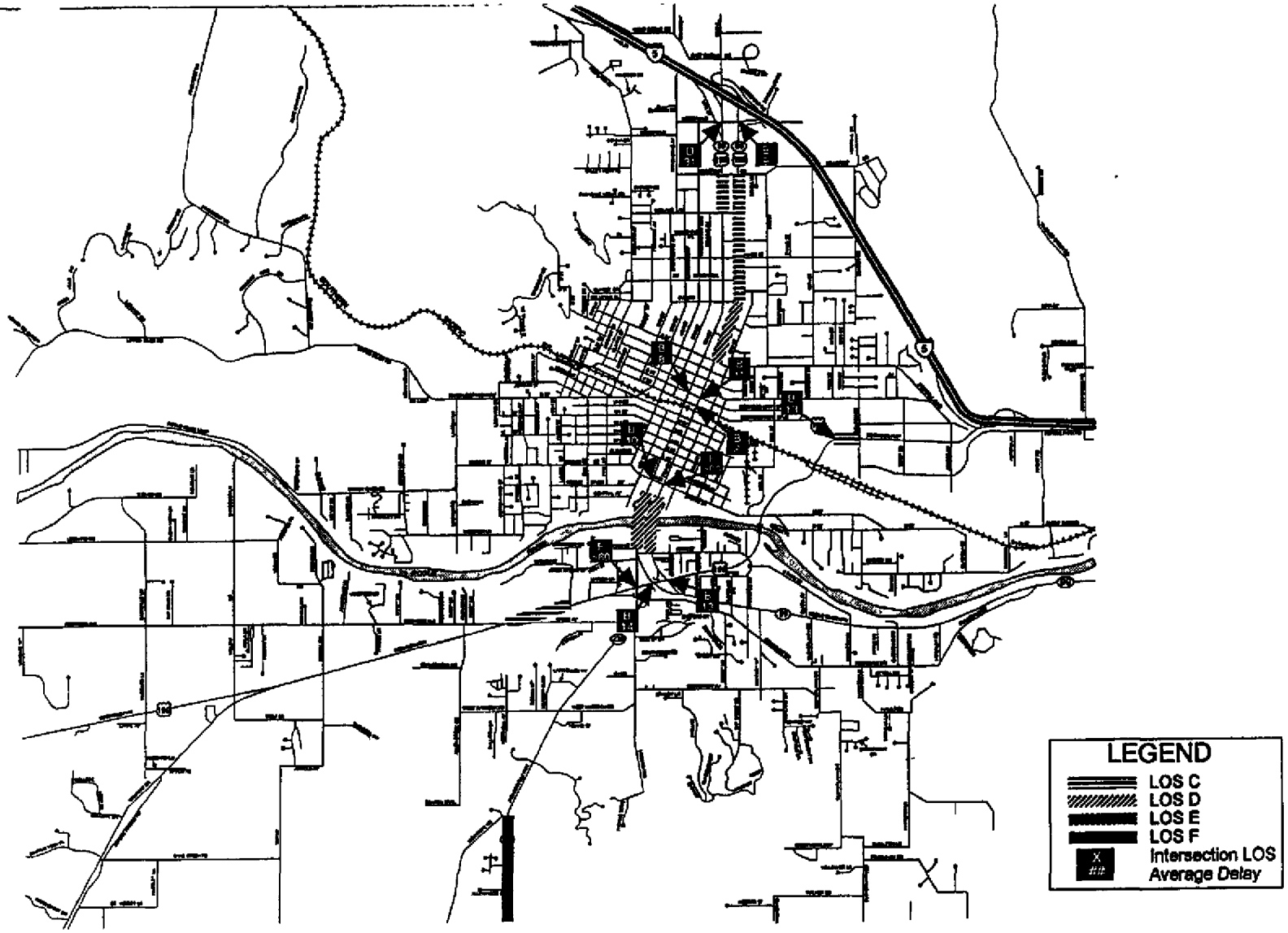
7th Street: Evelyn Avenue to A Street, Voorhies Avenue to Park Street.



KJS

Figure 4 - Improvements Included in Alternative 2

Grants Pass
Urban Area
Transportation Plan



KJS

Figure 5 - Congestion in Alternative 2

Grants Pass
Urban Area
Transportation Plan

The following roadway segments will operate at LOS F in 2015:

- **Jacksonville Highway:** New Hope Road to the study area boundary.

No roadway segments will operate at LOS E in 2015 in Alternative 2.

The congestion related improvements associated with Alternative 2 are essentially the same as those identified with Alternative 1 with one exception. Under the Alternative 2 scheme higher congestion levels on River Loop Highway/G Street are realized. This is probably because the extension of Lincoln Street and Foundry Street creates a connection to the downtown area that is more circuitous than River Loop Highway/G Street, attracting only approximately 2,200 vehicles per day. Of these, it appears that only approximately 1,000 vehicles per day are diverted from River Loop Highway.

The remaining traffic pattern shifts that were outlined in the discussion for Alternative 1, also hold true for this alternative as well. Approximately 1,000 vehicles per day shift from I-5 and Grants Pass Parkway to 6th and 7th Street, a total of approximately 3,500 vehicles per day shift from Grants Pass Parkway to the new bridge, and approximately 4,000 vehicles per day shift to the new bridge from the 6th and 7th Street bridges.

Of the eleven intersections evaluated two would have a degradation in their associated levels of service.

- The LOS would decrease from B to F at the 7th Street and M Street intersection.

- The LOS would decrease from E to F at the Jacksonville Highway and Redwood Highway intersection.

Alternative 3

Figure 6 illustrates the roadway improvement associated with Alternative 3 which includes the following:

- The addition of a fourth bridge that extends north from the Willow Lane/Schroeder Lane roadway alignment on the south side of the Rogue River to align with Pinecrest Drive on the north side of the river;

- Widening of Willow Lane/Schroeder Lane and Lincoln Road from two to four lanes from Redwood Avenue to Pinecrest Drive;

- Widening of Upper River Road/River Loop Highway/G Street from two to four lanes from Pinecrest Drive to the Foundry Street/3rd Street intersection;

- Extending Union Avenue west to the intersection of Redwood Avenue and the Redwood Highway;

- Addition of a new northbound on-ramp to I-5 from Scoville Road, consistent with the planned roadway improvements for the factory outlet center project; and

- Creation of a new service road on the north side of I-5 from Hillcrest Drive to Greenfield Road.

Figure 7 illustrates the level of service associated with Alternative 3. Under this alternative, four roadway segments will operate at LOS C in 2015:

- **Redwood Highway:** Redwood Avenue to Fairgrounds Road;

- **Grants Pass Parkway:** Highway 199 Spur to Beacon Drive;

- **6th Street:** Hillcrest Drive to Midland Avenue; and

- **7th Street:** Hillcrest Lane to Evelyn Avenue.

One roadway segment will operate at LOS D in 2015:

- **7th Street:** Evelyn Avenue to A Street, Voorhies Avenue to Park Street.

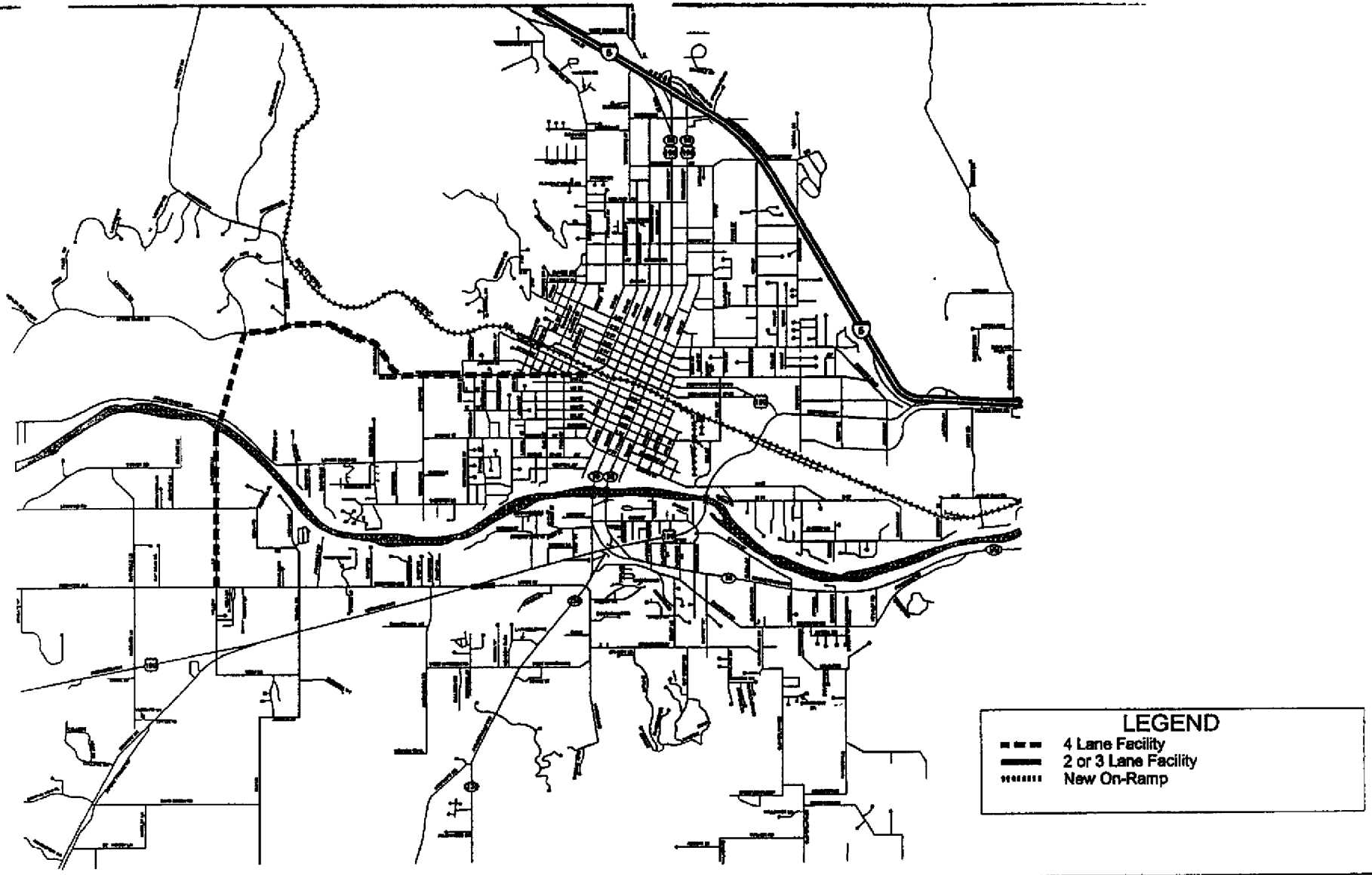
One roadway segment will operate at LOS E in 2015:

- **6th Street:** Voorhies Avenue to Lewis Avenue.

One roadway segment will operate at LOS F in 2015:

- **Jacksonville Highway:** New Hope Road to the study area boundary.

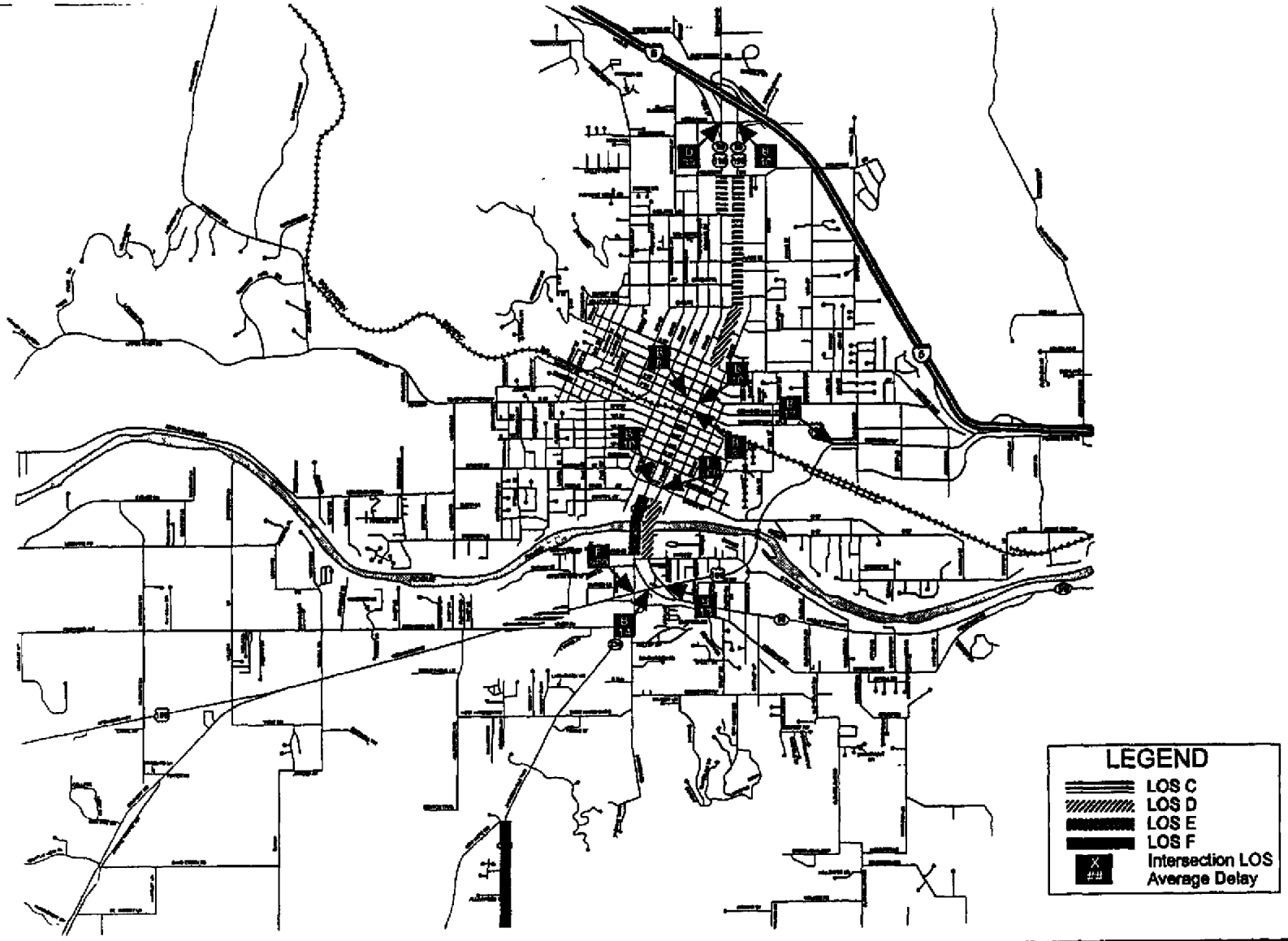
The improvements associated with Alternative 3 are essentially the same as Alternative 1 with one exception. Under the Alternative 3 scenario



KJS

Figure 6 - Improvements Included in Alternative 3

Grants Pass
Urban Area
Transportation Plan



KJS

Figure 7 - Congestion in Alternative 3

Grants Pass
Urban Area
Transportation Plan

congestion on the 6th Street bridge is reduced only to LOS E, while under the Alternative 1 scenario, the improvements result in a reduction in congestion to LOS D. This lower LOS improvement appears to be due to a smaller shift in traffic from 6th Street to the new bridge due to its location much further to the west of the CBD. The analysis shows that approximately 3,500 vehicles per day shift to the new bridge from the 6th and 7th Street bridges, versus approximately 4,000 vehicles per day switching to the Lincoln Street bridge alignment under Alternative 1.

Also, as with the previous alternatives discussion, approximately 1,000 vehicles per day shift from I-5 and Grants Pass Parkway to 6th and 7th Street, and a total of about 3,500 vehicles per day shift from Grants Pass Parkway to the fourth bridge.

It should also be noted that the location of the fourth bridge in this alternative, further west of the city, and the lack of an existing access road leading to it on the north side of the river, may make this alternative more costly both in terms of construction and environmental impacts than the other bridge alignment. However, it is clear that further detailed studies would need to be undertaken to verify this assertion.

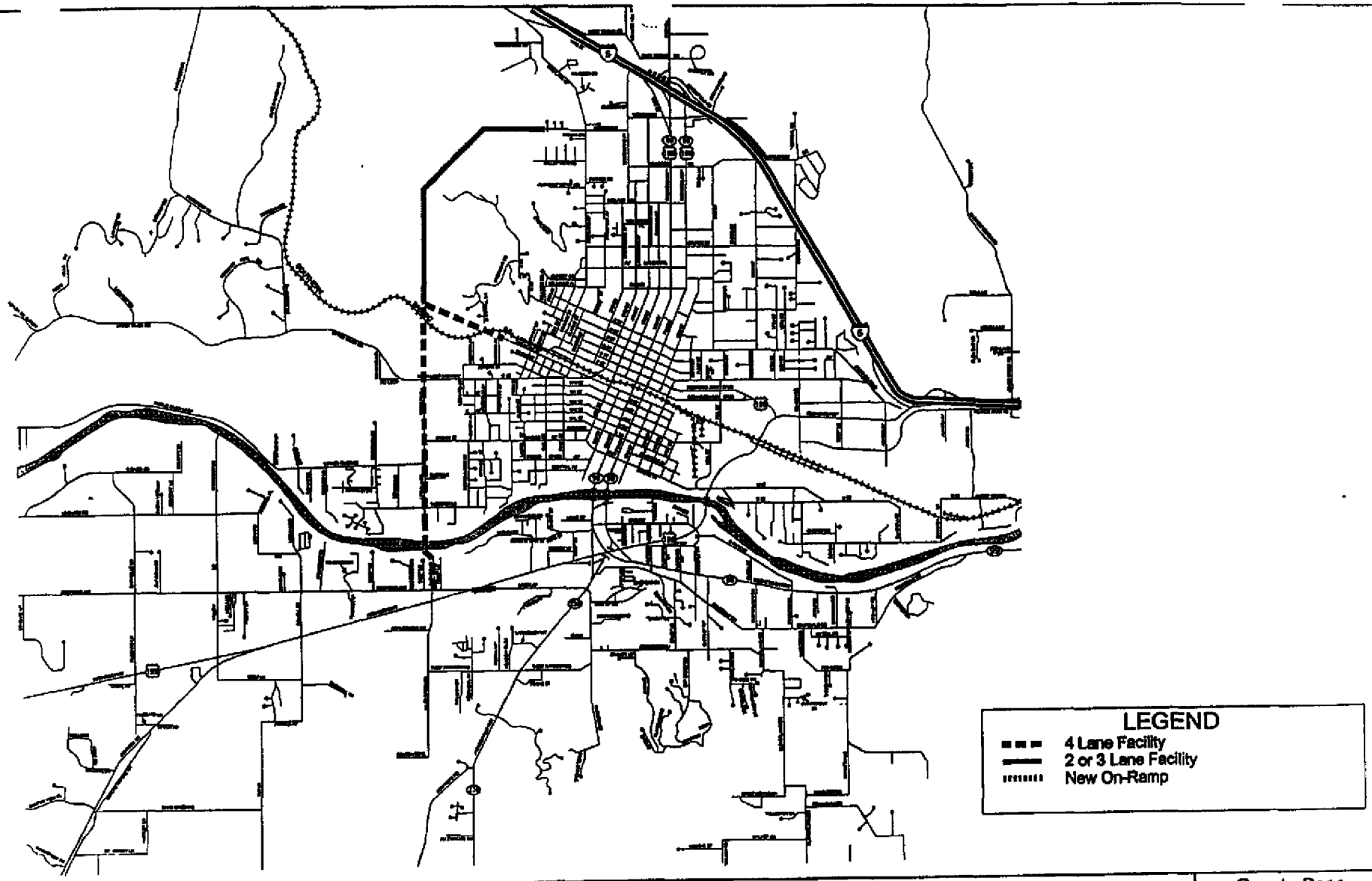
Of the eleven intersections evaluated two would have a degradation in their associated levels of service.

- The LOS would decrease from B to F at the 7th Street and M Street intersection.
- The LOS would decrease from E to F at the Jacksonville Highway and Redwood Highway intersection.

Alternative 4

Alternative 4 includes the same roadway improvements, illustrated in Figure 8, as in Alternative 2, but adds the following enhancement:

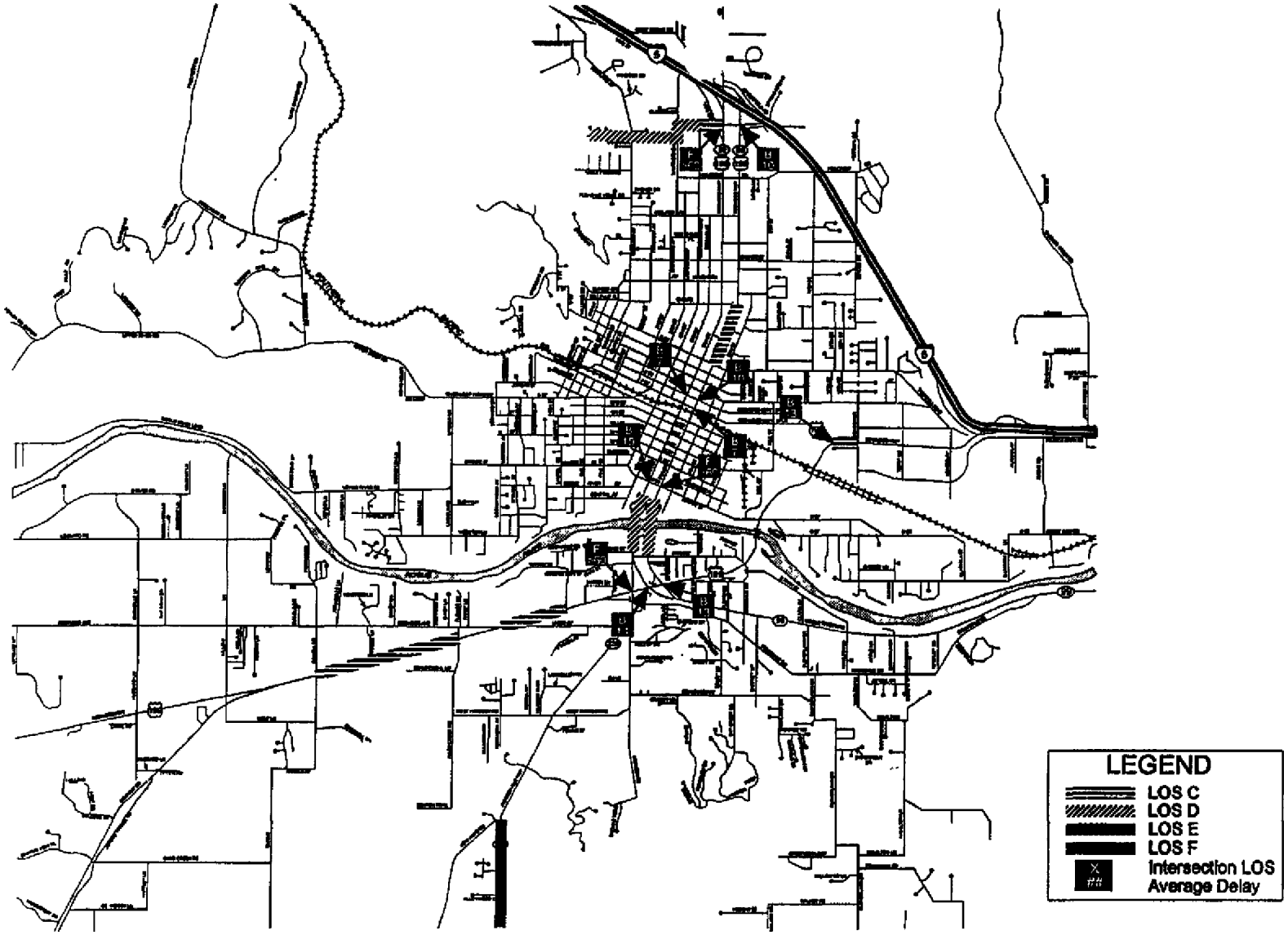
- Create a loop road by extending Morgan Lane west and then south to form an intersection with the Lincoln Road/Foundry Street intersection.
- Figure 9 illustrates the level of service associated with Alternative 4 improvements. Under the Alternative 4 scheme, the following four roadway segments will operate at LOS C in 2015:



KJS

Figure 8 - Improvements Included in Alternative 4

Grants Pass
Urban Area
Transportation Plan



KJS

Figure 9 - Congestion in Alternative 4

Grants Pass
Urban Area
Transportation Plan

Redwood Highway: Dowell Road to Allen Creek Road, Redwood Avenue to Fairgrounds Road;

- **Morgan Lane:** Chandler Way to Highland Avenue, Washington Boulevard to 6th Street;
- **Grants Pass Parkway:** Highway 199 Spur to Beacon Drive; and
- **7th Street:** Evelyn Avenue to A Street.

Three roadway segments will operate at LOS D in 2015:

- **Morgan Lane:** Highland Avenue to Washington Boulevard;
- **6th Street:** Voorhies Avenue to Lewis Avenue; and
- **7th Street:** Voorhies Avenue to Park Street.

One roadway segments will operate at LOS F in 2015:

- **Jacksonville Highway:** New Hope Road to the study area boundary.

No roadway segments will operate at LOS E in 2015 in Alternative 4.

The improvements associated with this alternative result in a better levels of congestion reduction on the north end of 6th and 7th Street than the three previous alternatives. Only the 7th Street segment from Evelyn Avenue to A Street operates worse than LOS B, because the new loop road helps to divert more traffic away from 6th and 7th Street. Approximately 3,500 vehicles per day are diverted from 6th Street and approximately 1,500 vehicles per day are diverted from 7th Street to the new loop road. The forecasts indicate that approximately 12,000 vehicles per day would be attracted to the loop road. However, the increase in traffic on the new loop roadway, causes the existing sections of Morgan Lane to experience increased levels of congestion, however.

Approximately 5,000 vehicles per day are predicted to shift from I-5 and Grants Pass Parkway to the new road and new bridge, with an additional 5,000 vehicles per day shift to the new bridge from the 6th Street bridge and an additional 4,000 vehicles per day shifting from the 7th Street bridge.

The traffic volume projections on the Morgan Lane extension suggest that it may need to be improved to at least 3 lanes to accommodate the projected traffic volumes, as well as any increase in traffic volume beyond 2015.

Of the eleven intersections evaluated three would have a degradation in their associated levels of service.

- The LOS would decrease from D to F at the 6th Street and Morgan Lane intersection.
- The LOS would decrease from B to F at the 7th Street and M Street intersection.
- The LOS would decrease from E to F at the Jacksonville Highway and Redwood Highway intersection.

Alternative 5

The improvements associated with Alternative 5 are illustrated in Figure 10. The roadway improvements in this scenario are the same as in Alternative 3, with the following enhancement:

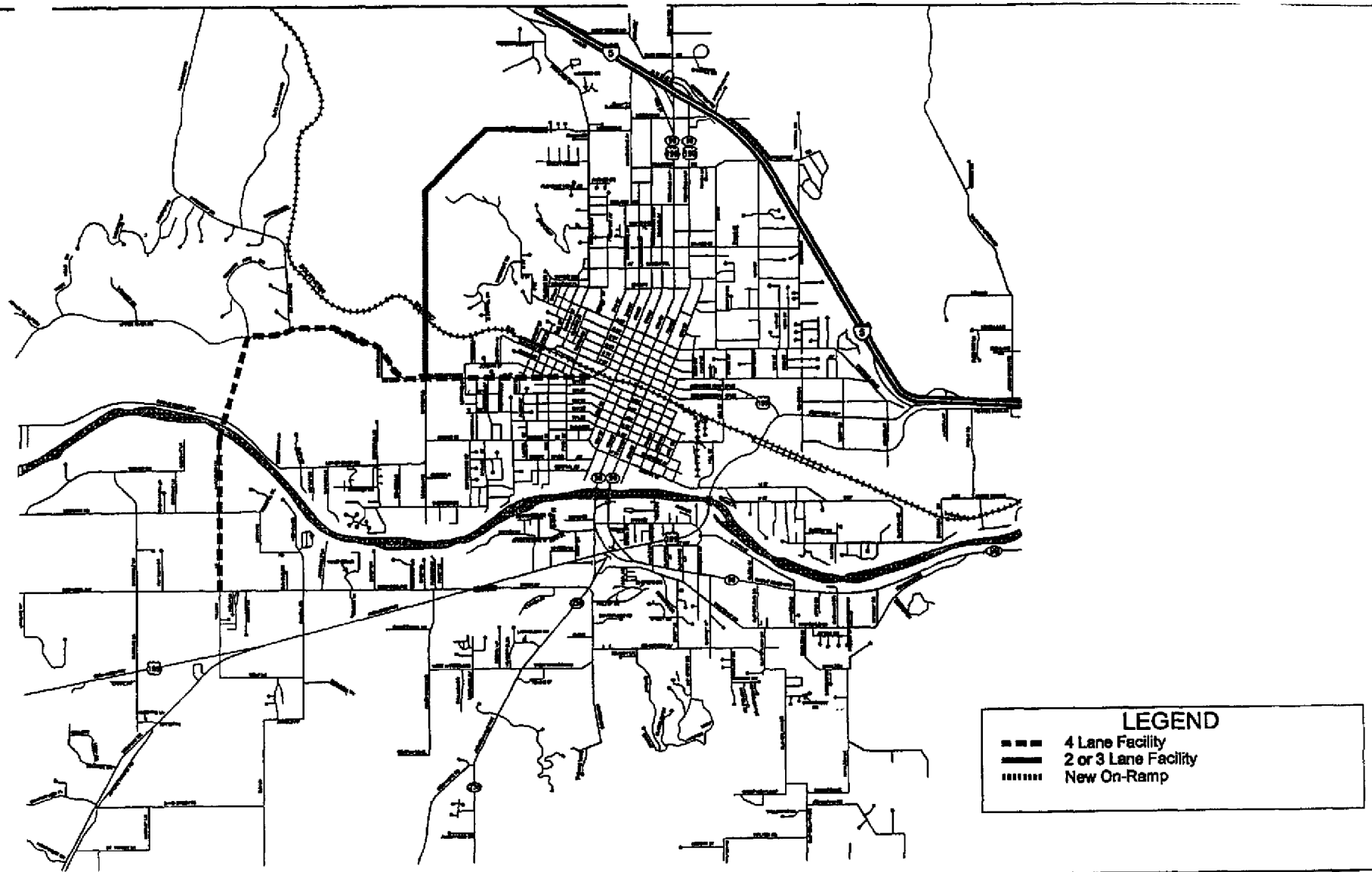
- Create a loop road by extending Morgan Lane west and then south to form an intersection with the Lincoln Road/River Loop Highway/G Street intersection.

Figure 11 illustrates the level of service associated with Alternative 5 improvements. Under Alternative 5, three roadway segments will operate at LOS C in 2015:

- **Redwood Highway:** Redwood Avenue to Fairgrounds Road;
- **Grants Pass Parkway:** Highway 199 Spur to Beacon Drive; and
- **7th Street:** Savage Street to A Street.

Two roadway segments will operate at LOS D in 2015:

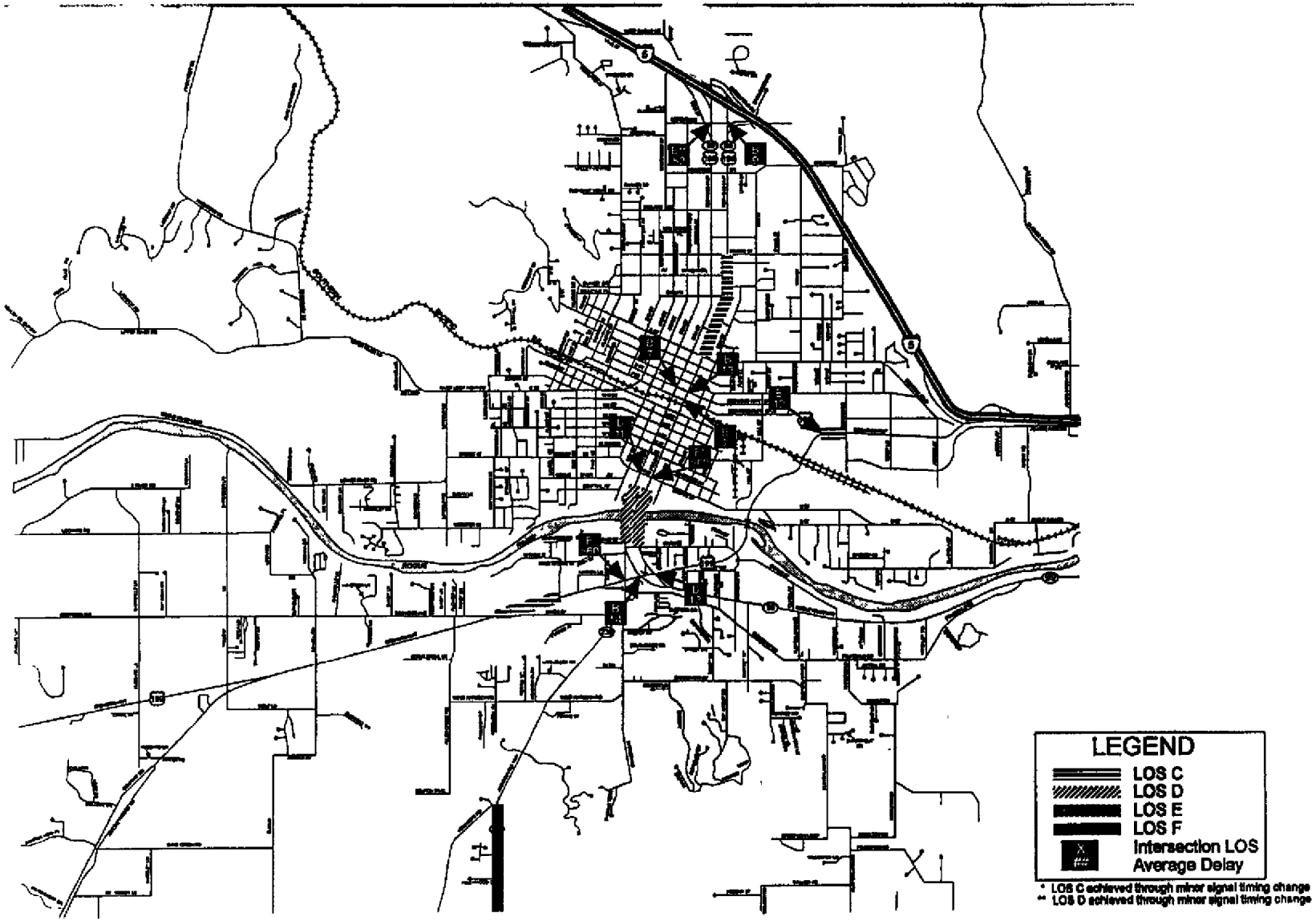
- **6th Street:** Voorhies Avenue to Lewis Avenue; and



KJS

Figure 10 - Improvements Included in Alternative 5

Grants Pass
Urban Area
Transportation Plan



KJS

Figure 11 - Congestion in Alternative 5

Grants Pass
Urban Area
Transportation Plan

- **7th Street:** Voorhies Avenue to Park Street.

One roadway segment will operate at LOS F in 2015:

- **Jacksonville Highway:** New Hope Road to the study area boundary.

No roadway segments will operate at LOS E in 2015 in Alternative 5.

This alternative results in some better levels of congestion reduction than are realized in Alternative 4. Although 7th Street operates at LOS C over a slightly longer segment--Savage Street to A Street in this alternative, versus LOS C from Evelyn Avenue to A Street in alternative 4--the LOS on Morgan Lane does not deteriorate beyond LOS B. The improvements to River Loop Highway/G Street in this alternative cause a shift in higher number of vehicles than the Foundry Street improvements associated with Alternative 4. As a result Morgan Lane and the new extension have lower traffic volumes and less congestion in this alternative. Approximately 1,000 fewer vehicles are diverted from the north sections of 6th and 7th Street to the Morgan Lane extension, accessing the new bridge instead via the improved River Loop Highway/G Street.

Approximately 4,000 vehicles per day shift from I-5 and Grants Pass Parkway to the new road/new bridge, while approximately 4,500 vehicles per day shift to the new bridge from the 6th Street bridge and approximately 4,000 vehicles per day shift from the 7th Street bridge.

As with Alternative 4, the traffic volume projections on the Morgan Lane extension suggest that it may need to be improved to at least 3 lanes to accommodate the projected traffic volumes, as well as any increase in traffic volume beyond 2015.

Of the eleven intersections evaluated three would have a degradation in their associated levels of service.

- The LOS would decrease from D to E at the 6th Street and Morgan Lane intersection. However, this can be mitigated through signal timing optimization as shown in Table 2.

- The LOS would decrease from B to F at the 7th Street and M Street intersection. However, this can be mitigated through signal timing optimization as shown in Table 2.

- The LOS would decrease from E to F at the Jacksonville Highway and Redwood Highway intersection.

Alternative 6

Alternative 6 includes the roadway assumptions listed below which are also illustrated in Figure 12:

- Reconfigure the Redwood Highway at 6th and 7th Streets such that the south "Y" interchange is grade separated;
- Extending Union Avenue west to the intersection of Redwood Avenue and the Redwood Highway;
- Addition of a new northbound on-ramp to I-5 from Scoville Road, consistent with the planned roadway improvements for the factory outlet center project; and
- Creation of a new service road on the north side of I-5 from Hillcrest Drive to Greenfield Road.

Figure 13 illustrates the level of service associated with Alternative 6 improvements. Under this scheme the following four roadway segments will operate at LOS C in 2015:

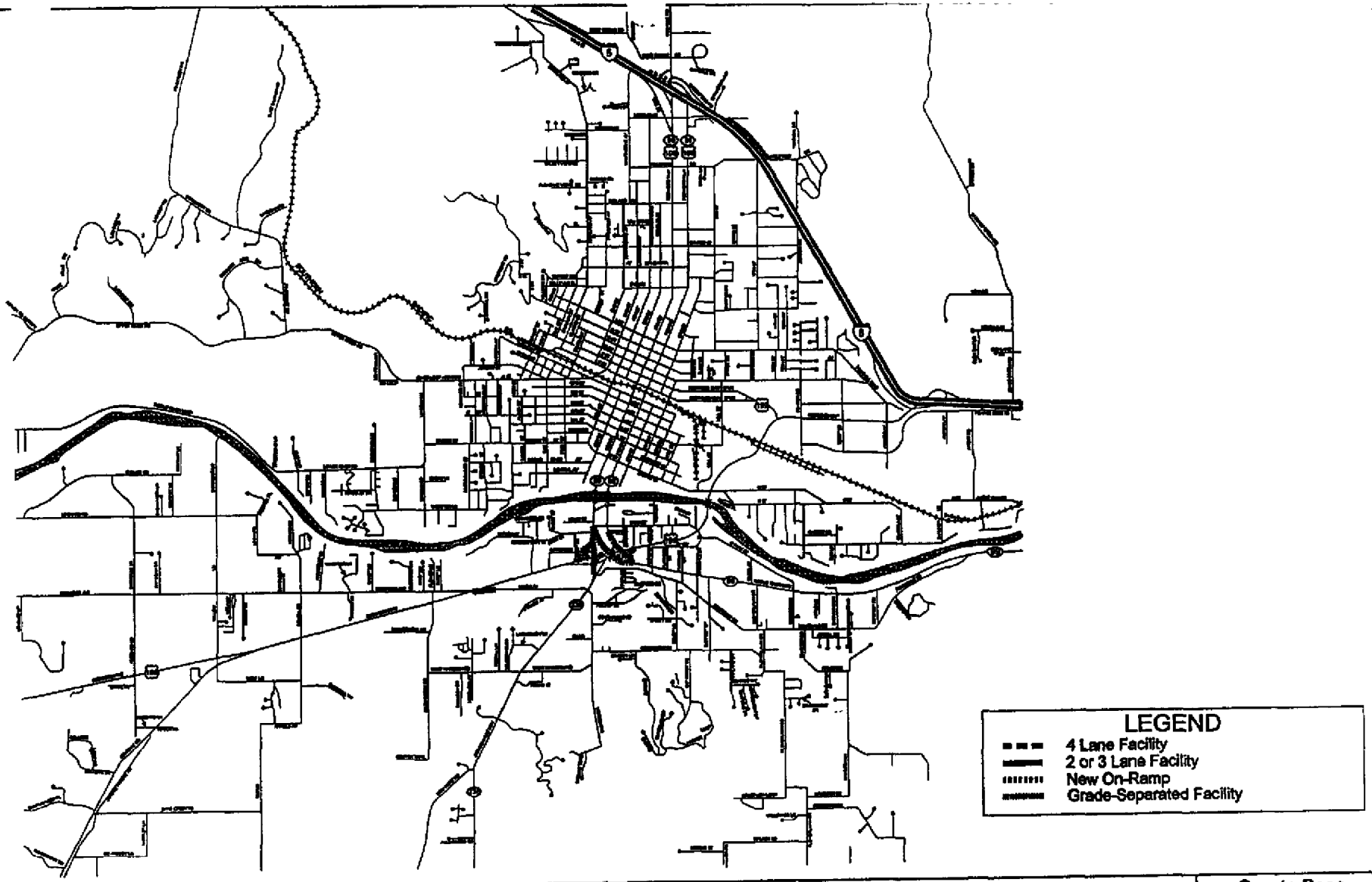
- **Redwood Highway:** Fairgrounds Road to Tussy Lane;
- **Bridge Street:** Oak Street to Division Street;
- **Grants Pass Parkway:** Highway 199 Spur to Beacon Drive; and
- **7th Street:** Hillcrest Lane to Midland Avenue, Savage Street to Jackson Street, M Street to Voorhies Avenue.

Two following roadway segments will operate at LOS D in 2015:

- **Redwood Highway:** Redwood Avenue to Fairgrounds Road; and
- **7th Street:** Jackson Street to A Street.

Three roadway segments will operate at LOS F in 2015:

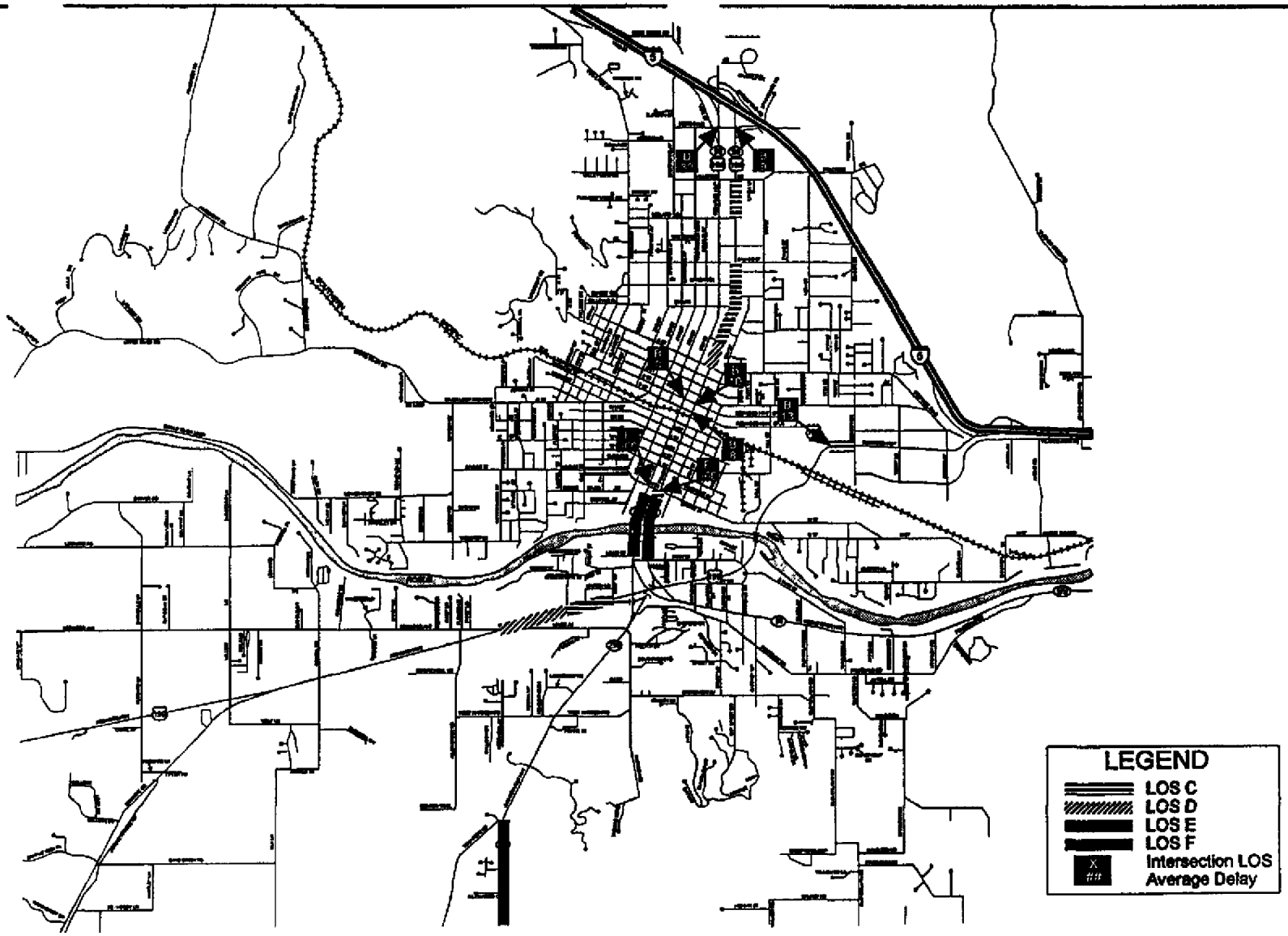
- **Jacksonville Highway:** New Hope Road to the study area boundary;



KJS

Figure 12 - Improvements Included in Alternative 6

Grants Pass
Urban Area
Transportation Plan



KJS

Figure 13 - Congestion in Alternative 6

Grants Pass
Urban Area
Transportation Plan

6th Street: Voorhies Avenue to Lewis Avenue; and

- **7th Street:** Voorhies Avenue to Park Street.

No roadway segments will operate at LOS E in 2015 in Alternative 6.

The improvements associated with Alternative 6 improvements are very similar to the No-Build Alternative because Alternative 6 does not add additional roadway capacity across the Rogue River. Though the improvements to the south "Y" interchange will improve traffic operations in that area, its effect on traffic volume shifts on roadways throughout the urban area are minimal. Volumes on Grants Pass Parkway, 6th, and 7th Street are virtually unchanged from the No Build Alternative.

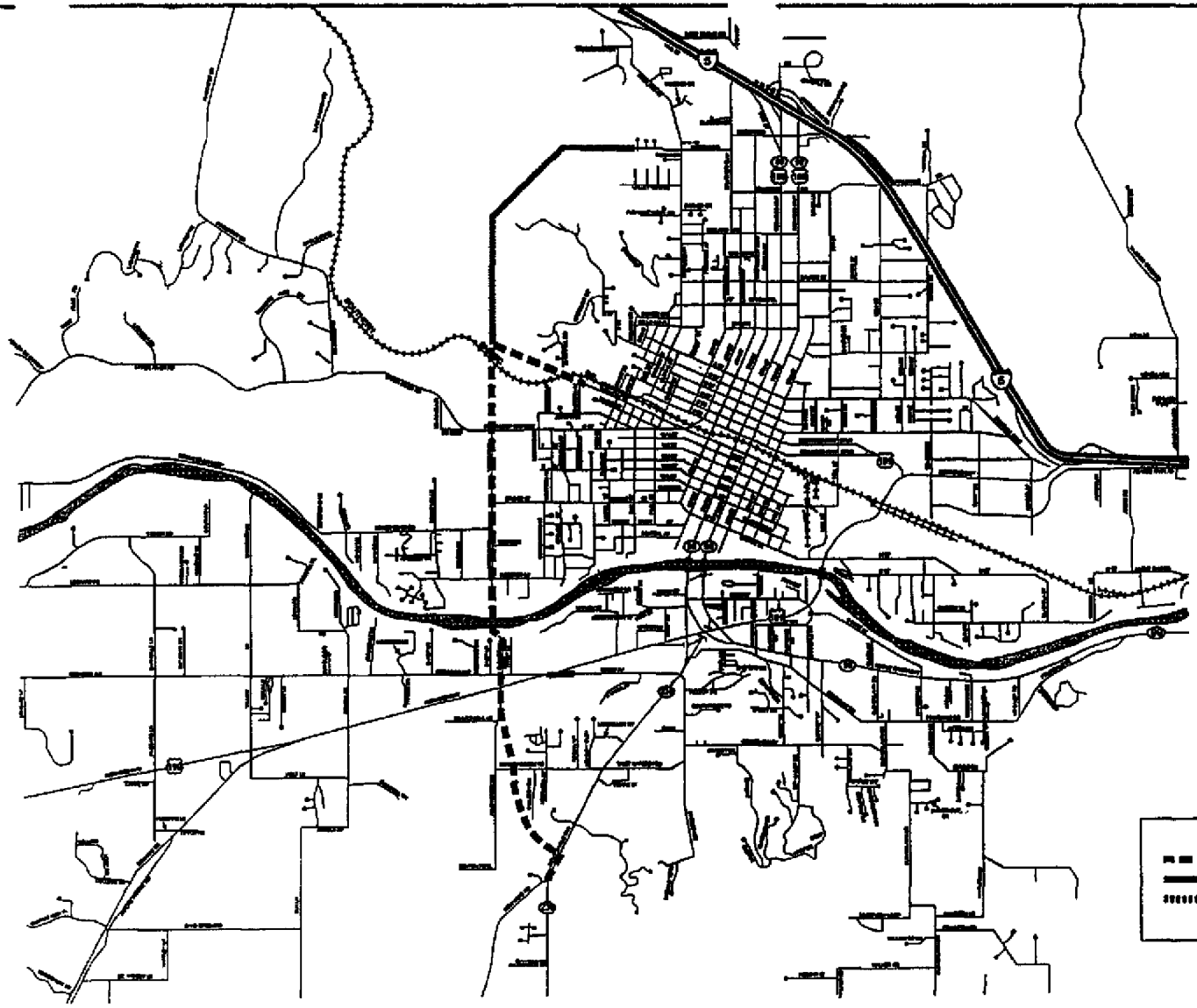
Of the eleven intersections evaluated two would have a degradation in their associated levels of service.

- The LOS would decrease from B to F at the 6th Street and M Street intersection.
- The LOS would decrease from B to F at the 7th Street and M Street intersection.

Alternative 7

The roadway improvements in Alternative 7, which are illustrated in Figure 14, are the same as those included in Alternative 4 with the following enhancements:

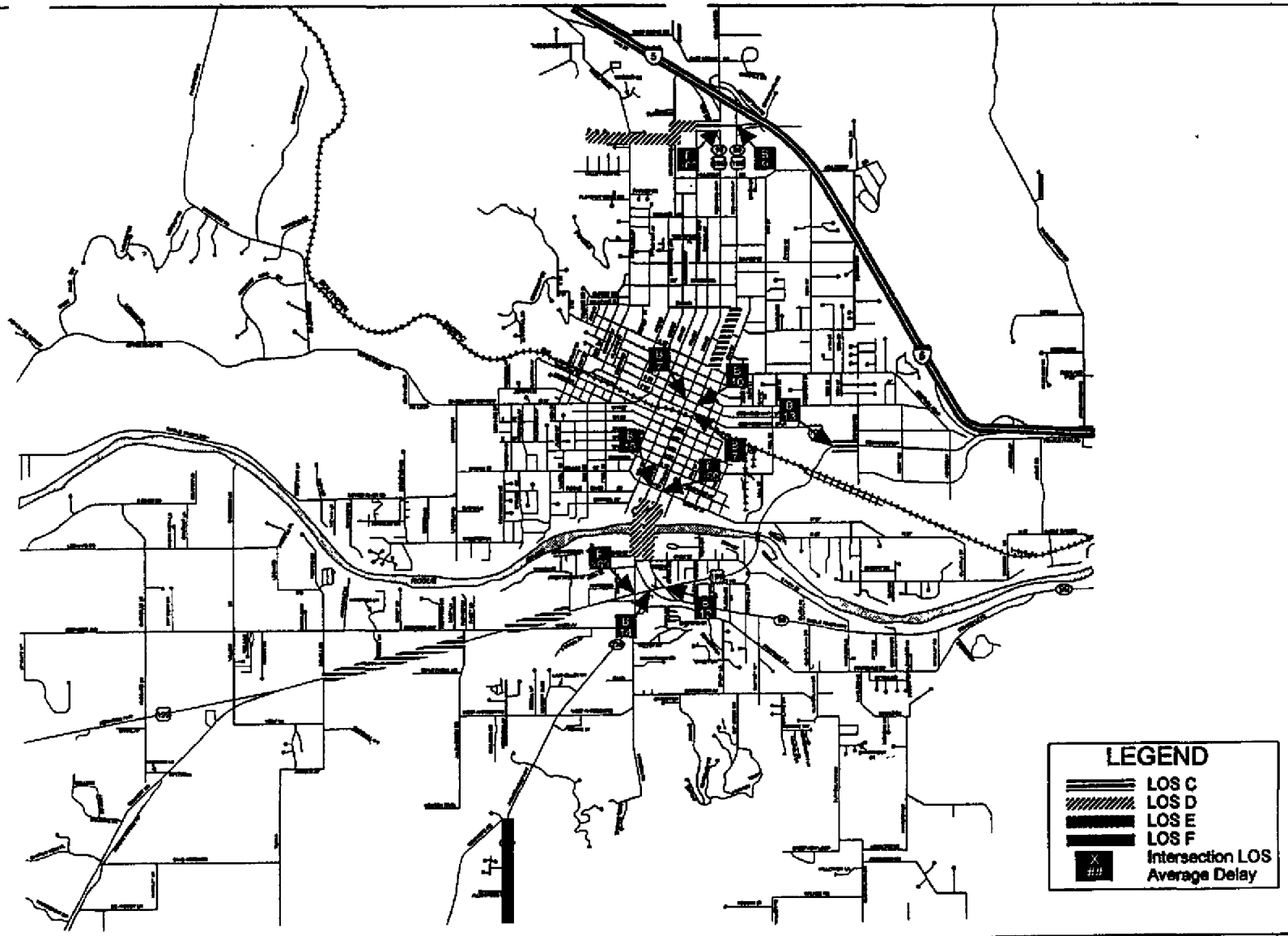
- Widening of Allen Creek Road from two to four lanes from Redwood Avenue to the vicinity of Schutzwohl Lane; and
- Construction of a new four lane road from the vicinity of Schutzwohl Lane to Jacksonville Highway in the vicinity of Mayfair Lane.
- Figure 15 illustrates the level of service associated with Alternative 7 improvements. Under this scheme, four roadway segments will operate at LOS C in 2015:



KJS

Figure 14 - Improvements Included in Alternative 7

Grants Pass
Urban Area
Transportation Plan



KJS

Figure 15 - Congestion in Alternative 7

Grants Pass
Urban Area
Transportation Plan

Redwood Highway: Dowell Road to Allen Creek Road, Redwood Avenue to Fairgrounds Road;

- **Morgan Lane:** Chandler Way to Highland Avenue, Washington Boulevard to 6th Street;
- **Grants Pass Parkway:** Highway 199 Spur to Beacon Drive; and
- **7th Street:** Evelyn Avenue to A Street.

Three roadway segments will operate at LOS D in 2015:

- **Morgan Lane:** Highland Avenue to Washington Boulevard;
- **6th Street:** Voorhies Avenue to Lewis Avenue; and
- **7th Street:** Voorhies Avenue to Park Street.

One roadway segments will operate at LOS F in 2015:

- **Jacksonville Highway:** New Hope Road to the study area boundary.

No roadway segments will operate at LOS E in 2015 in Alternative 4.

The reductions in congestion in this alternative are nearly identical to those that would be realized with the improvements tested in Alternative 4. The trips and associated traffic volumes on roadways throughout the urban area are projected to be within a few hundred vehicles of the projections identified under Alternative 4.

The improvements associated with this alternative result in a better levels of congestion reduction on the north end of 6th and 7th Street. Only the 7th Street segment from Evelyn Avenue to A Street operates worse than LOS B, because the new loop road helps to divert more traffic away from 6th and 7th Street. Approximately 3,500 vehicles per day are diverted from 6th Street and approximately 1,500 vehicles per day are diverted from 7th Street to the new loop road. The forecasts indicate that approximately 12,000 vehicles per day would be attracted to the loop road. However, the increase in traffic on the new loop roadway, causes the existing sections of Morgan Lane to experience increased levels of congestion, however. Environmental concerns may be encountered in this alternative due to a creek located in the proximity of the extension of Allen Creek Road to the Jacksonville Highway.

As was shown under Alternative 4, approximately 5,000 vehicles per day shift from I-5 and Grants Pass Parkway to the new road and new bridge,

with an additional 5,000 vehicles per day shift to the new bridge from each of the 6th and 7th Street bridges.

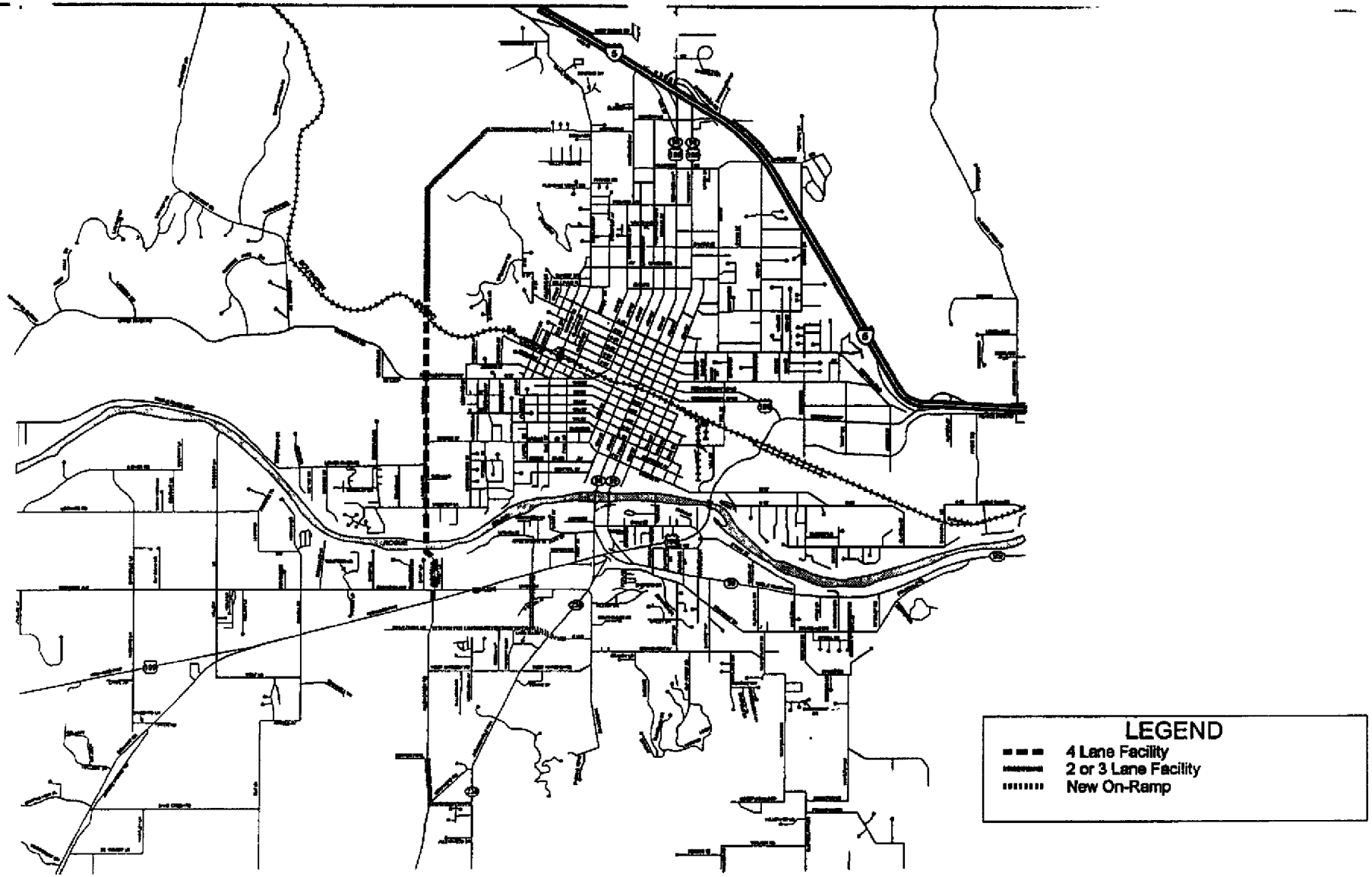
Of the eleven intersections evaluated three would have a degradation in their associated levels of service.

- The LOS would decrease from D to F at the 6th Street and Morgan Lane intersection.
- The LOS would decrease from B to F at the 7th Street and M Street intersection.
- The LOS would decrease from E to F at the Jacksonville Highway and Redwood Highway intersection.

Alternative 8

The roadway improvements in Alternative 8, which are illustrated in Figure 16, include the following:

- Create a loop road by extending Morgan Lane west and then south to form an intersection with the Lincoln Road/Foundry Street intersection.
- Construct a fourth bridge that extends north from the Flower Lane roadway alignment on the south side of the Rogue River to the Lincoln Lane alignment on the north side of the river;
- Widen Flower Lane and Lincoln Road from two to four lanes;
- Extend Allen Creek Road south to New Hope Road, then west to Jacksonville Highway;
- Construct a new 2 lane road from the Schutzwohl Lane/Allen Creek Road intersection east to GI Lane;
- Extend Ringuette Street south from Redwood Highway to the east-west road linking Schutzwohl Lane and GI Lane;



KJS

Figure 16 - Improvements included in Alternative 8

Grants Pass
Urban Area
Transportation Plan

- Extend Dimmick Street south across the railroad tracks to Foundry Street;
- Extend Union Avenue west to the intersection of Redwood Avenue and the Redwood Highway;
- Add a new northbound on-ramp to I-5 from Scoville Road, consistent with the planned roadway improvements for the factory outlet center project; and
- Create a new service road on the north side of I-5 from Hillcrest Drive to Greenfield Road.

Figure 17 illustrates the level of service associated with Alternative 8 improvements. Under the Alternative 8 scheme, the following four roadway segments will operate at LOS C in 2015:

- **Redwood Highway:** Dowell Road to Allen Creek Road, Redwood Avenue to Fairgrounds Road;
- **Morgan Lane:** Chandler Way to 6th Street;
- **Grants Pass Parkway:** Highway 199 Spur to Beacon Drive; and
- **7th Street:** Evelyn Avenue to Jackson Street.

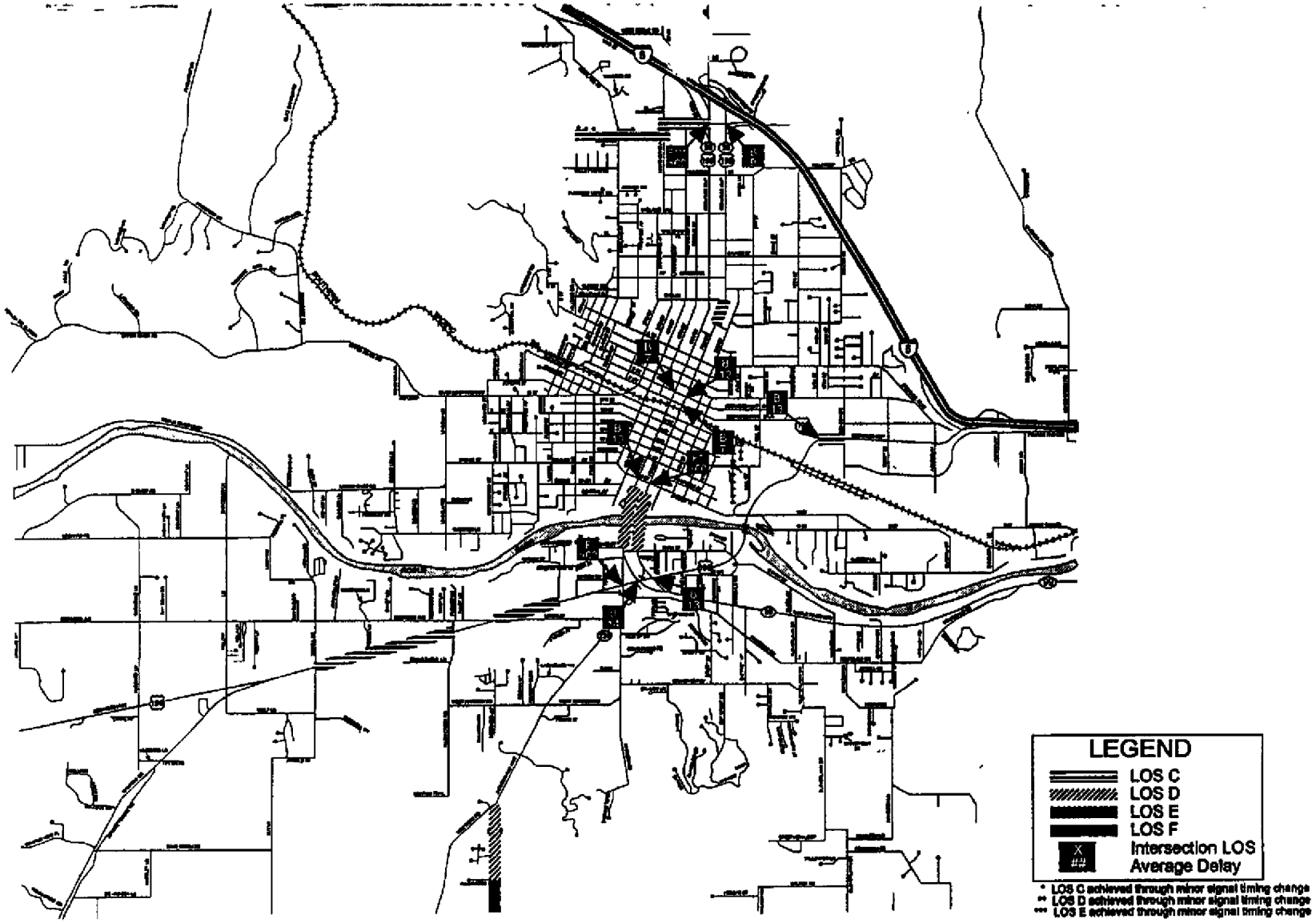
Three roadway segments will operate at LOS D in 2015 including:

- **Jacksonville Highway:** New Hope Road to Allenwood Drive;
- **6th Street:** Voorhies Avenue to Lewis Avenue; and
- **7th Street:** Voorhies Avenue to Park Street.

One roadway segment is projected to operate at LOS F in 2015:

- **Jacksonville Highway:** Allenwood Drive to the study area boundary.

No roadway segments are projected to operate at LOS E in 2015 with the improvements included in Alternative 8.



KJS

Figure 17 - Congestion in Alternative 8

Grants Pass
Urban Area
Transportation Plan

The improvements associated with this alternative result in less congestion and a higher degree of mobility than Alternative 5. This is particularly evident on Jacksonville Highway from the intersection of New Hope Road to Allenwood Drive and is due to the extension of Allen Creek Road itself. However, environmental difficulties may be encountered in association with the improvements recommended in this alternative due to the close proximity of the roadway alignment to the Highline Canal and Allen Creek.

The travel demand projections indicate approximately 5,000 vehicles per day would shift from I-5 and Grants Pass Parkway to the new road and new bridge combination, with an additional shift of about 5,000 vehicles per day from each of the 6th and 7th Street bridges.

Of the eleven intersections evaluated three would have a degradation in their associated levels of service.

- The LOS would decrease from D to F at the 6th Street and Morgan Lane intersection. However, this can be mitigated through signal timing optimization as shown in Table 2.
- The LOS would decrease from B to F at the 7th Street and M Street intersection. However, this can be mitigated through signal timing optimization as shown in Table 2.
- The LOS would decrease from E to F at the Jacksonville Highway and Redwood Highway intersection.

Conclusions

The evaluation of the null and eight build alternatives, from a strictly vehicular traffic/congestion reduction perspective, do allow for a ranking of which provide the greatest level of this type of benefit. However, the full impact of each alternative in terms of feasibility, costs, public acceptance and likelihood of funding have not been assessed. However, this preliminary analysis does provide guidance on which alternatives should be carried into the next level of project evaluation and plan development. Based on the analysis discussed in the preceding sections the eight build alternatives are ranked as follows from best to worst.

1. Alternative 8;
2. Alternative 5
3. Alternative 4
4. Alternative 7 (tie with Alternative 4)
5. Alternative 1
6. Alternative 3 (tie with Alternative 1)
7. Alternative 2
8. Alternative 6

			2015 Alternative Run Assignments																																				
			No Build Alternative			Alternative 1			Alternative 2			Alternative 3			Alternative 4			Alternative 5			Alternative 6			Alternative 7			Alternative 8		
Street Name	Segment Name (From)	Segment Name (To)	Volume	V/C	LOS	Volume	V/C	LOS	Volume	V/C	LOS	Volume	V/C	LOS	Volume	V/C	LOS	Volume	V/C	LOS	Volume	V/C	LOS	Volume	V/C	LOS	Volume	V/C	LOS
Pine Crest Dr.	Blitz Canyon Rd.	Upper River Road	4,603	0.21	A	4,603	0.21	A	4,603	0.21	A	4,603	0.21	A	4,603	0.21	A	4,603	0.21	A	4,603	0.21	A	4,603	0.21	A	4,603	0.21	A
Upper River Road	Lathrop	Pinecrest	4,729	0.22	A	4,729	0.22	A	4,729	0.22	A	4,729	0.22	A	4,729	0.22	A	4,729	0.22	A	4,729	0.22	A	4,729	0.22	A	4,729	0.22	A
Upper River Road	Pinecrest	Leonard St.	8,574	0.40	A	8,768	0.41	A	8,774	0.41	A	15,248	0.32	A	8,799	0.41	A	5,988	0.13	A	8,574	0.40	A	8,808	0.41	A	8,806	0.41	A
Upper River Road	Leonard St.	Wildwood Ave	11,540	0.53	B	16,653	0.35	A	15,753	0.73	C	17,823	0.38	A	11,313	0.52	B	12,535	0.27	A	10,985	0.51	B	11,065	0.51	B	11,004	0.51	B
Upper River Road	Wildwood Ave	Oak St	10,421	0.48	B	16,230	0.34	A	16,373	0.76	C	18,012	0.38	A	11,709	0.54	B	13,122	0.28	A	9,555	0.44	B	11,472	0.53	B	11,514	0.53	B
Upper River Road	Oak St	Pine St	11,422	0.53	B	18,761	0.40	A	17,904	0.83	D	19,543	0.41	B	13,240	0.61	B	14,853	0.31	A	10,876	0.50	B	13,003	0.60	B	13,058	0.60	B
Upper River Road	Pine St	Foundry St	11,771	0.54	B	19,760	0.42	B	19,587	0.91	D	20,514	0.43	B	14,068	0.65	B	14,069	0.30	A	11,353	0.53	B	13,916	0.64	B	10,552	0.49	B
Redwood Hwy.	Dawn Dr.	Hubbard Ln.	14,996	0.32	A	15,000	0.32	A	15,000	0.32	A	15,000	0.32	A	15,000	0.32	A	15,000	0.32	A	14,996	0.32	A	15,000	0.32	A	15,000	0.32	A
Redwood Hwy.	Hubbard Ln.	Willow Ln.	15,684	0.33	A	17,458	0.37	A	17,500	0.37	A	18,790	0.33	A	17,610	0.37	A	15,574	0.33	A	17,502	0.37	A	17,747	0.38	A	17,652	0.37	A
Redwood Hwy.	Willow Ln.	Demaray Dr.	22,272	0.47	B	22,802	0.48	B	22,565	0.48	B	18,370	0.39	A	22,834	0.48	B	16,553	0.35	A	22,376	0.47	B	22,833	0.48	B	22,733	0.48	B
Redwood Hwy.	Demaray Dr.	Dowell Rd.	28,469	0.60	B	29,363	0.62	B	29,452	0.62	B	23,721	0.50	B	29,618	0.63	B	22,219	0.47	B	28,667	0.61	B	29,860	0.63	B	29,855	0.63	B
Redwood Hwy.	Dowell Rd.	Allen Creek Rd.	30,359	0.64	B	31,440	0.67	B	31,560	0.67	B	25,755	0.55	B	31,671	0.67	C	24,233	0.51	B	30,555	0.65	B	32,122	0.68	C	32,050	0.68	C
Redwood Hwy.	Allen Creek Rd.	Redwood Ave.	25,789	0.55	B	21,581	0.46	B	21,793	0.46	B	22,168	0.47	B	19,244	0.41	A	20,680	0.44	B	21,000	0.44	B	19,023	0.40	A	18,360	0.39	A
Redwood Hwy.	Redwood Ave.	Fairgrounds Rd.	41,334	0.88	D	34,946	0.74	C	34,406	0.73	C	34,152	0.72	C	33,033	0.70	C	32,064	0.68	C	42,006	0.89	D	31,790	0.67	C	31,781	0.67	C
Redwood Hwy.	Fairgrounds Rd.	Rinquette St.	36,276	0.77	C	30,774	0.65	B	30,256	0.64	B	30,102	0.64	B	28,541	0.60	B	28,240	0.60	B	37,060	0.79	C	29,304	0.62	B	29,565	0.63	B
Redwood Hwy.	Rinquette St.	Tussy Ln.	36,432	0.77	C	30,614	0.65	B	30,109	0.64	B	30,170	0.64	B	28,808	0.61	B	28,263	0.60	B	37,251	0.79	C	27,838	0.59	B	27,715	0.59	B
Redwood Hwy.	Tussy Ln.	6th St	25,604	0.54	B	21,019	0.45	B	21,354	0.45	B	20,950	0.44	B	19,917	0.42	B	19,668	0.42	B	27,233	0.58	B	19,119	0.41	A	18,588	0.39	A
Redwood Hwy.	6th St	Hwy 238 6th/7th Interc	27,055	0.57	B	24,020	0.51	B	24,086	0.51	B	23,936	0.51	B	23,587	0.50	B	23,489	0.50	B	29,247	0.62	B	23,020	0.49	B	22,892	0.49	B
Redwood Hwy	Hwy 238 6th/7th Interchan	Interchange to 7th St.	28,810	0.61	B	24,205	0.51	B	24,434	0.52	B	24,257	0.51	B	23,667	0.50	B	23,931	0.51	B	30,316	0.64	B	23,109	0.49	B	23,081	0.49	B
Willow Ln	Jerome Prairie Rd.	Redwood Ave.	2,370	0.15	A	2,254	0.14	A	2,264	0.14	A	6,233	0.38	A	2,165	0.13	A	8,887	0.54	B	2,332	0.14	A	2,182	0.13	A	2,178	0.13	A
Willow Ln.	Redwood Ave.	Leonard Ln.	2,332	0.14	A	2,198	0.14	A	2,582	0.16	A	4,813	0.30	A	2,526	0.16	A	7,501	0.46	B	2,422	0.15	A	1,137	0.07	A	2,628	0.16	A
Allen Creek Rd	Redwood Ave	Redwood Hwy.	2,679	0.12	A	10,165	0.47	B	10,032	0.46	B	3,434	0.16	A	13,618	0.63	B	3,404	0.16	A	2,641	0.12	A	16,221	0.34	A	15,577	0.33	A
Allen Creek Rd.	Redwood Hwy.	Denton Trail	5,226	0.24	A	5,350	0.25	A	5,347	0.25	A	5,107	0.24	A	5,839	0.27	A	5,033	0.23	A	4,911	0.23	A	11,299	0.24	A	10,172	0.22	A
Jacksonville Hwy	Lark Ellen Way.	West Harbeck Rd.	24,651	0.52	B	22,865	0.48	B	22,957	0.49	B	23,067	0.49	B	22,392	0.47	B	23,121	0.49	B	24,047	0.51	B	22,742	0.48	B	22,108	0.47	B
Jacksonville Hwy	West Harbeck Rd.	Mayfair Ln.	25,940	0.55	B	26,102	0.55	B	26,092	0.55	B	26,062	0.55	B	26,074	0.55	B	26,074	0.55	B	25,960	0.55	B	16,723	0.35	A	19,983	0.42	B
Jacksonville Hwy	Mayfair Ln.	New Hope Rd	25,218	0.53	B	25,314	0.54	B	25,302	0.54	B	25,286	0.54	B	25,300	0.54	B	25,296	0.54	B	25,228	0.53	B	26,906	0.55	B	19,179	0.41	A
Jacksonville Hwy.	New Hope Rd	Allenwood Dr.	17,443	1.58	F	17,501	1.57	F	17,493	1.57	F	17,483	1.57	F	17,491	1.57	F	17,491	1.57	F	17,441	1.56	F	17,825	1.60	F	10,045	0.90	D
Jacksonville Hwy	Allenwood Dr.	Extends beyond study	16,210	1.45	F	16,328	1.46	F	16,326	1.46	F	16,320	1.46	F	16,354	1.47	F	16,324	1.46	F	16,310	1.46	F	16,440	1.47	F	16,980	1.52	F
Bridge St.	Lincoln Ln.	Way Spruce St.	6,494	0.39	A	6,131	0.28	A	5,668	0.26	A	5,746	0.27	A	4,951	0.23	A	6,612	0.30	A	9,031	0.42	B	5,541	0.26	A	5,259	0.24	A
Bridge St.	Way Spruce St.	Greenwood Ave	11,781	0.55	B	7,453	0.35	A	6,930	0.32	A	7,836	0.36	A	6,054	0.28	A	7,907	0.37	A	12,284	0.57	B	5,866	0.27	A	5,693	0.26	A
Bridge St.	Greenwood Ave.	Oak St.	11,841	0.55	B	7,540	0.35	A	6,986	0.32	A	8,000	0.37	A	6,124	0.28	A	7,905	0.37	A	12,187	0.56	B	5,618	0.26	A	5,398	0.25	A
Bridge St.	Oak St.	Division St	14,757	0.68	C	9,580	0.44	B	9,257	0.43	B	10,492	0.49	B	8,289	0.38	A	11,852	0.55	B	14,964	0.69	C	7,731	0.36	A	10,818	0.50	B
Highland Ave	Valley View Rd.	Midland Ave.	7,159	0.33	A	7,128	0.33	A	7,352	0.34	A	7,107	0.33	A	3,037	0.14	A	2,047	0.09	A	7,152	0.33	A	2,836	0.13	A	3,546	0.16	A
Highland Ave.	Midland Ave.	Starlite Pl.	5,438	0.25	A	5,542	0.26	A	5,767	0.27	A	5,462	0.25	A	4,001	0.19	A	3,059	0.14	A	5,556	0.26	A	3,816	0.18	A	4,538	0.21	A
Highland Ave.	Starlite Pl.	Savage St.	5,422	0.25	A	5,676	0.26	A	5,882	0.27	A	5,587	0.26	A	3,302	0.15	A	2,520	0.12	A	5,672	0.26	A	3,121	0.14	A	4,150	0.19	A
Highland Ave.	Savage St.	Bellevue Pl.	5,473	0.25	A	5,636	0.26	A	5,833	0.27	A	5,527	0.26	A	3,294	0.15	A	2,510	0.12	A	5,573	0.26	A	3,114	0.14	A	4,585	0.21	A
Morgan Ln.	Chandler Way	Washington Blvd.		0.00	A		0.00	A		0.00	A		0.00	A	13,594	0.64	D		0.00	A		0.00	A	13,261	0.62	D	11,790	0.73	C
Morgan Ln.	Washington Blvd.	Vine St.	5,776	0.36	A	5,577	0.34	A	5,283	0.33	A	5,343	0.33	A	12,117	0.75	C	9,728	0.60	B	5,139	0.32	A	11,787	0.73	C	11,588	0.72	C
Morgan Ln.	Vine St.	6th St	7,256	0.45	B	7,019	0.43	B	6,901	0.43	B	7,271	0.45	B	12,798	0.79	C	10,209	0.63	B	6,741	0.42	B	12,344	0.76	C	11,846	0.73	C
Morgan Ln.	6th St	7th St	5,591	0.35	A	4,875	0.30	A	4,858	0.30	A	5,784	0.36	A	7,260	0.45	B	5,807	0.36	A	5,174	0.32	A	6,815	0.42	B	6,352	0.39	A
Morgan Ln.	7th St	Interstate 5	4,459	0.28	A	4,453	0.27	A	4,412	0.27	A	4,448	0.27	A	4,239	0.26	A	4,200	0.26	A	4,367	0.27	A	4,247	0.26	A	4,225	0.26	A
Hillcrest Dr.	Washington Blvd.	6th St	3,960	0.24	A	3,804	0.23	A	3,930	0.24	A	3,841	0.24	A	3,859	0.24	A	4,164	0.26	A	3,960	0.24	A	3,889	0.24	A	3,787	0.23	A
Hillcrest Dr.	6th St	7th St	5,322	0.33	A	5,300	0.33	A	5,376	0.33	A	5,247	0.32	A	5,949	0.37	A	5,447	0.34	A	5,852	0.36	A	6,156	0.38	A	4,194	0.26	A
Hillcrest Dr	7th St	9th St	3,414	0.21	A	3,058	0.19	A	3,169	0.20	A	3,084	0.19	A	3,068	0.19	A	2,704	0.17	A	2,870	0.18	A	3,062	0.19	A	3,071	0.19	A
Hillcrest Dr.	9th St	10th St	3,509	0.22	A	3,184	0.20	A	3,274	0.20	A	3,190	0.20	A	3,192	0.20	A	2,702	0.17	A	3,067	0.19	A	3,184	0.20	A	3,196	0.20	A
Hillcrest Dr.	10th St	Sunset Ln	2,250	0.14	A	2,180	0.13	A	2,179	0.13	A	2,172	0.13	A	2,154	0.13	A	2,132	0.13	A	2,126	0.13	A	2,084	0.13	A	2,117	0.13	A
Savage St.	Washington Blvd	6th St	3,039	0.19	A	1,989	0.12	A	2,576	0.16	A	2,930	0.18	A	2,701	0.17	A	1,924	0.12	A	2,657	0.16	A	2,462	0.15	A	3,084	0.19	A
Savage St.	6th St	7th St	5,298	0.33	A	4,773	0.29	A	4,874	0.30	A	4,969	0.31	A	4,781	0.30	A	5,196	0.32	A	5,066	0.31	A	4,658	0.28	A	4,890	0.30	A
Savage St.	7th St	9th St	3,904	0.24	A	3,756	0.23	A	3,654	0.23	A	3,718	0.23	A	3,638	0.22	A	4,124	0.25	A	3,837	0.24	A	3,657	0.23	A	3,653	0.23	A
Savage St.	9th St	10th St	2,027	0.13	A	2,071	0.13	A	2,092	0.13	A	2,063	0.13	A	2,020	0.12	A	1,918	0.12	A	2,004	0.12	A	2,025	0.13	A	2,023	0.12	A
A St	Grant St	Kinney St	5,473	0.25	A	5,636	0.26	A	5,833	0.27	A	5,527	0.26	A	3,294	0.15	A	2,510	0.12	A	5,573	0.26	A	3,114	0.14	A	461	0.02	A
A St	Kinney St	4th St	6,076	0.28	A	6,084	0.28	A	6,656	0.31	A	5,993	0.28	A	3,658	0.17	A	3,061	0.14	A	6,128	0.28	A	3,551	0.16	A	1,795	0.08	A
A St	4th St	6th St	7,968	0.37	A	6,737	0.31	A	5,948	0.28	A	7,225	0.33	A	5,733	0.27	A	5,041	0.23	A	7,782	0.36	A	5,479	0.25	A	3,811	0.18	A
A St	6th St	7th St	8,915	0.41	B	8,740	0.40	A	8,771	0.41	A	8,995	0.42	B	8,413	0.39	A	8,123	0.38	A	9,073	0.42	B	8,196	0.38	A	7,991	0.37	A
A St	7th St	Dean Dr	8,953	0.41	B	9,459	0.44	B	9,389	0.43	B	9,324	0.43	B	9,378	0.43	B	8,420	0.39	A	8,904	0.41	B	9,498	0.44	B	9,568	0.44	B
A St	Dean Dr	9th St	7,728	0.36	A	8,248	0.38	A	8,183	0.38	A	8,135	0.38	A	8,159	0.38	A	7,041	0.33	A	7,684	0.36	A	8,281	0.38	A	8,354	0.39	A
A St	9th St	North 10th St	6,433	0.30	A	6,294	0.29	A	5,935	0.27	A	6,273	0.29	A	5,531	0.26	A	8,400	0.39	A	6,362	0.30	A	5,684	0.26	A	5,516	0.26	A
A St	North 10th St	Beacon Dr	6,155	0.28	A	5,385	0.25	A	5,013	0.23	A	5,436	0.25	A	4,611	0.21	A	5,640	0.26	A	6,064	0.28	A	4,558	0.21	A	4,377	0.20	A
A St	Beacon Dr	Foothill	2,631	0.12	A	2,533	0.12	A	2,424	0.11	A	2,399	0.11	A	2,284	0.11	A	2,204	0.10	A	2,652	0.12	A	2,236	0.10	A	2,294	0.11	A
E St	Grant St	4th St	4,679	0.23	A	8,706	0.40	A	8,035	0.37	A	9,036	0.42	B	4,222	0.20	A	5,340	0.25	A	4,645	0.22	A	4,211	0.19	A	4,158	0.19	A
E St	4th St	6th St	5,638	0.26	A	7,112	0.33	A	6,797	0.31	A	6,779	0.31	A	4,508	0.21	A	5,452	0.25	A	5,840	0.27	A	4,412	0.20	A	4,404	0.20	A
E St	6th St	7th St	7,562	0.35	A	6,186	0.29	A	7,514	0.35	A	7,770	0.36	A	7,418	0.34	A	7,844	0.36	A	7,620	0.35	A	7,402	0.34	A	7,645	0.35	A
E St	7th St	9th St	8,076	0.46	B	7,605	0.43	B	8,217	0.46	B	8,056	0.45	B	8,348	0.47	B	8,950	0.50	B	7,948	0.45	B	8,132	0.46	B	8,682	0.49	B
E St	9th	Mill St	8,477	0.42	B	7,976	0.40	A	8,057	0.40	A	[illegible]	0.42	B	8,276	0.41	B	8,459	0.42	B	8,451	0.42	B	8,236	0.41	[illegible]	8,157	0.41	A

			2015 Alternative Run Assignments																											
			No Build Alternative			Alternative 1			Alternative 2			Alternative 3			Alternative 4			Alternative 5			Alternative 6			Alternative 7			Alternative 8		
Street Name	Segment Name (From)	Segment Name (To)	Volume	V/C	LOS	Volume	V/C	LOS	Volume	V/C	LOS	Volume	V/C	LOS	Volume	V/C	LOS	Volume	V/C	LOS	Volume	V/C	LOS	Volume	V/C	LOS	Volume	V/C	LOS
E St	Mill St	F St	11,945	0.60	B	11,695	0.58	B	11,756	0.59	B	11,612	0.58	B	12,050	0.60	B	11,956	0.60	B	11,966	0.60	B	12,061	0.60	B	12,163	0.61	B
F St	3rd St	6th St	6,033	0.26	A	7,707	0.36	A	7,391	0.34	A	8,285	0.38	A	4,801	0.22	A	5,715	0.26	A	6,355	0.29	A	4,707	0.22	A	4,626	0.21	A
F St	6th St	7th St	8,637	0.40	A	8,841	0.41	A	10,076	0.47	B	10,877	0.50	B	7,678	0.36	A	8,102	0.38	A	8,645	0.40	A	7,378	0.34	A	7,044	0.33	A
F St	7th St	9th St	7,526	0.42	B	7,016	0.39	A	7,185	0.40	A	7,367	0.41	B	7,644	0.43	B	7,815	0.44	B	7,175	0.40	A	7,394	0.41	B	7,689	0.43	B
F St	9th St	Mill St	7,629	0.36	A	7,785	0.39	A	7,935	0.40	A	8,029	0.40	A	7,833	0.39	A	7,915	0.40	A	7,521	0.38	A	7,733	0.39	A	7,748	0.39	A
F St	Mill St	E St	8,514	0.43	B	8,654	0.43	B	8,724	0.44	B	8,758	0.44	B	8,816	0.44	B	8,949	0.45	B	8,398	0.42	B	8,685	0.43	B	8,831	0.44	B
M St	4th St	6th St	11,854	0.55	B	7,733	0.36	A	8,066	0.37	A	9,356	0.43	B	8,247	0.38	A	10,183	0.47	B	12,020	0.56	B	8,189	0.38	A	9,026	0.42	B
M St	6th St	7th St	11,789	0.54	B	10,230	0.47	B	10,424	0.48	B	10,748	0.50	B	10,721	0.50	B	11,441	0.53	B	11,758	0.54	B	10,383	0.48	B	10,944	0.51	B
M St	7th St	9th St	8,549	0.40	A	10,897	0.50	B	10,529	0.49	B	10,061	0.47	B	10,491	0.49	B	6,940	0.32	A	8,343	0.39	A	9,895	0.46	B	10,157	0.47	B
M St	9th St	10th St	8,002	0.37	A	7,817	0.36	A	7,774	0.36	A	7,831	0.36	A	7,959	0.37	A	7,798	0.37	A	7,783	0.36	A	8,059	0.37	A	8,000	0.37	A
M St	10th St	12th St	7,101	0.33	A	7,467	0.35	A	7,466	0.35	A	7,487	0.35	A	7,709	0.36	A	7,630	0.35	A	7,740	0.36	A	7,770	0.36	A	7,775	0.36	A
M St	12th St	N St	11,457	0.53	B	11,459	0.53	B	11,465	0.53	B	11,461	0.53	B	11,466	0.53	B	11,456	0.53	B	11,439	0.53	B	11,467	0.53	B	11,477	0.53	B
M St	N St	N St	9,847	0.46	B	9,847	0.46	B	9,851	0.46	B	9,849	0.46	B	9,851	0.46	B	9,847	0.46	B	9,837	0.46	B	9,851	0.46	B	9,857	0.46	B
Grants Pass Park	7th St	Parkdale Dr	23,153	0.49	B	20,026	0.42	B	19,663	0.42	B	20,123	0.43	B	18,870	0.40	A	19,643	0.42	B	23,070	0.49	B	18,769	0.40	A	18,709	0.40	A
Grants Pass Park	Parkdale Dr	M St	28,823	0.61	B	25,224	0.53	B	25,256	0.54	B	25,630	0.54	B	23,820	0.50	B	24,799	0.53	B	28,830	0.61	B	23,625	0.50	B	23,624	0.50	B
Grants Pass Park	M St	Hwy 199 Spur	26,963	0.57	B	25,810	0.55	B	25,815	0.55	B	25,916	0.55	B	24,347	0.52	B	26,020	0.53	B	26,954	0.57	B	24,521	0.52	B	23,956	0.51	B
Grants Pass Park	Hwy 199 Spur	Beacon Dr	36,103	0.76	C	34,950	0.74	C	34,984	0.74	C	35,146	0.74	C	33,899	0.72	C	34,772	0.74	C	36,014	0.76	C	34,027	0.72	C	33,659	0.71	C
Grants Pass Park	Beacon Dr	Terry Ln	27,072	0.57	B	26,854	0.57	B	27,361	0.58	B	27,027	0.57	B	26,232	0.56	B	26,399	0.56	B	27,076	0.57	B	25,224	0.56	B	25,164	0.55	B
Grants Pass Park	Terry Ln	Agnes Ave	22,325	0.47	B	22,032	0.47	B	22,191	0.47	B	22,057	0.47	B	21,223	0.45	B	20,871	0.44	B	22,346	0.47	B	21,153	0.45	B	20,678	0.44	B
Grants Pass Park	Agnes Ave	I-5	28,763	0.61	B	27,605	0.58	B	27,700	0.59	B	27,880	0.59	B	26,259	0.56	B	26,470	0.56	B	29,065	0.62	B	26,350	0.56	B	26,097	0.55	B
6th St	Begins at I-5	Vine St	17,231	0.37	A	17,095	0.36	A	17,095	0.36	A	17,130	0.36	A	17,492	0.37	A	17,388	0.37	A	16,481	0.35	A	17,478	0.37	A	17,548	0.37	A
6th St	Vine St	Hillcrest Ln	15,106	0.62	B	15,508	0.64	B	15,429	0.64	B	15,462	0.64	B	13,025	0.54	B	13,529	0.56	B	14,787	0.61	B	12,863	0.53	B	12,822	0.53	B
6th St	Hillcrest Ln	Midland Ave	16,197	0.67	B	16,793	0.69	C	16,725	0.69	C	16,748	0.69	C	14,281	0.59	B	15,274	0.63	B	16,034	0.66	B	14,267	0.59	B	14,241	0.59	B
6th St	Midland Ave	Savage St	18,531	0.39	A	18,841	0.40	A	18,779	0.40	A	18,963	0.40	A	14,863	0.31	A	15,860	0.34	A	18,436	0.39	A	14,920	0.32	A	14,818	0.31	A
6th St	Savage St	Manzanita Ave	17,229	0.37	A	18,578	0.39	A	18,130	0.38	A	18,095	0.38	A	14,220	0.30	A	15,151	0.32	A	17,833	0.38	A	14,257	0.30	A	13,731	0.29	A
6th St	Manzanita Ave	A St	20,196	0.43	B	21,138	0.45	B	20,638	0.44	B	20,703	0.44	B	16,931	0.36	A	18,415	0.39	A	20,285	0.43	B	16,885	0.36	A	16,561	0.35	A
6th St	A St	D St	22,234	0.47	B	23,199	0.49	B	22,680	0.48	B	22,919	0.49	B	18,991	0.40	A	18,140	0.38	A	22,313	0.47	B	18,669	0.40	A	17,580	0.37	A
6th St	E St	F St	22,024	0.47	B	20,426	0.43	B	19,797	0.42	B	20,532	0.44	B	18,304	0.39	A	17,952	0.38	A	21,894	0.46	B	18,742	0.40	A	17,797	0.38	A
6th St	F St	H St	21,341	0.45	B	19,535	0.41	B	19,034	0.40	A	19,862	0.42	B	18,047	0.38	A	17,487	0.37	A	21,467	0.45	B	17,993	0.38	A	17,243	0.37	A
6th St	H St	M St	20,859	0.44	B	18,515	0.39	A	17,928	0.38	A	18,507	0.39	A	17,218	0.36	A	16,627	0.35	A	20,736	0.44	B	17,105	0.36	A	16,567	0.35	A
6th St	M St	Voorhies Ave	24,569	0.52	B	20,245	0.43	B	20,202	0.43	B	21,199	0.45	B	19,517	0.41	B	20,048	0.42	B	24,539	0.52	B	19,247	0.41	A	19,436	0.41	B
6th St	Voorhies Ave	Lewis Ave	26,080	1.08	F	21,904	0.91	D	21,844	0.90	D	22,535	0.93	E	21,175	0.88	D	21,597	0.89	D	26,106	1.08	F	20,890	0.86	D	21,094	0.87	D
6th St	Lewis Ave	West Park St	26,962	0.57	B	22,772	0.48	B	22,721	0.48	B	23,401	0.50	B	21,903	0.46	B	22,442	0.48	B	27,002	0.57	B	21,587	0.46	B	21,816	0.46	B
6th St	West Park St	Redwood Hwy	18,713	0.40	A	14,477	0.31	A	14,388	0.30	A	14,967	0.32	A	13,478	0.29	A	13,772	0.29	A	18,671	0.40	A	13,155	0.28	A	13,342	0.28	A
6th St	Redwood Hwy	Fruitdale Dr	12,600	0.27	A	12,919	0.27	A	12,841	0.27	A	13,136	0.28	A	12,017	0.25	A	13,060	0.28	A	12,880	0.27	A	10,669	0.23	A	10,899	0.23	A
7th St	Morgan Ln	Hillcrest Dr	12,936	0.53	B	12,217	0.50	B	12,134	0.50	B	12,292	0.51	B	11,399	0.47	B	11,146	0.46	B	12,016	0.50	B	11,197	0.46	B	11,509	0.48	B
7th St	Hillcrest Dr	Midland Ave	16,433	0.68	C	16,874	0.70	C	16,721	0.69	C	16,766	0.69	C	15,352	0.63	B	15,512	0.64	B	16,318	0.67	C	15,156	0.63	B	15,285	0.63	B
7th St	Midland Ave	Savage St	16,148	0.67	B	16,463	0.68	C	16,391	0.68	C	16,486	0.68	C	14,850	0.61	B	15,025	0.62	B	16,209	0.67	B	14,628	0.60	B	14,772	0.61	B
7th St	Savage St	Outlook Ave	17,466	0.72	C	18,131	0.75	C	18,114	0.75	C	18,267	0.75	C	16,033	0.66	B	16,784	0.69	C	17,765	0.73	C	16,031	0.66	B	15,821	0.65	B
7th St	Outlook Ave	Evelyn Ave	17,851	0.74	C	18,717	0.77	C	18,465	0.76	C	18,740	0.77	C	16,033	0.66	B	16,906	0.69	C	18,094	0.75	C	15,769	0.65	B	15,358	0.63	B
7th St	Evelyn Ave	Jackson St	19,151	0.79	C	20,017	0.83	D	19,765	0.82	D	20,040	0.83	D	17,393	0.72	C	18,106	0.75	C	19,394	0.80	C	17,059	0.70	C	16,658	0.69	C
7th St	Jackson St	A St	20,327	0.84	D	21,430	0.89	D	20,222	0.84	D	20,989	0.87	D	16,922	0.70	C	17,189	0.71	C	20,103	0.83	D	17,182	0.71	C	16,095	0.67	B
7th St	A St	E St	20,851	0.58	B	21,920	0.61	B	20,928	0.58	B	21,789	0.61	B	17,403	0.49	B	16,842	0.47	B	20,885	0.59	B	17,207	0.48	B	16,067	0.45	B
7th St	E St	F St	21,899	0.61	B	23,617	0.66	B	21,487	0.60	B	22,758	0.64	B	17,748	0.50	B	17,577	0.49	B	22,099	0.62	B	17,547	0.49	B	16,363	0.46	B
7th St	F St	J St	20,790	0.58	B	19,554	0.55	B	18,603	0.52	B	19,225	0.54	B	17,510	0.49	B	16,879	0.47	B	20,595	0.58	B	17,345	0.49	B	16,791	0.47	B
7th St	J St	M St	19,350	0.54	B	17,200	0.48	B	16,270	0.46	B	16,787	0.47	B	15,867	0.44	B	15,309	0.43	B	18,372	0.51	B	15,781	0.44	B	15,292	0.43	B
7th St	M St	Voorhies Ave	25,796	0.72	C	21,970	0.62	B	21,549	0.60	B	22,527	0.63	B	21,366	0.60	B	21,796	0.61	B	25,776	0.72	C	20,987	0.59	B	21,349	0.60	B
7th St	Voorhies Ave	Park St	25,031	1.03	F	21,353	0.88	D	20,909	0.86	D	21,587	0.89	D	20,748	0.86	D	21,070	0.87	D	25,089	1.04	F	20,354	0.84	D	20,731	0.86	D
7th St	Park St	Redwood Hwy	11,379	0.24	A	8,394	0.18	A	8,749	0.19	A	8,956	0.19	A	9,133	0.19	A	8,891	0.19	A	12,147	0.26	A	8,900	0.19	A	8,700	0.18	A
9th St	Hillcrest Dr	Savage St	605	0.04	A	646	0.04	A	651	0.04	A	664	0.04	A	672	0.04	A	696	0.04	A	632	0.04	A	671	0.04	A	672	0.04	A
9th St	Savage St	Madrona St	3,313	0.20	A	3,118	0.19	A	2,994	0.18	A	3,087	0.19	A	3,051	0.19	A	3,445	0.21	A	3,265	0.20	A	3,084	0.19	A	3,082	0.19	A
9th St	Madrona St	A St	3,497	0.22	A	4,749	0.29	A	4,301	0.27	A	4,045	0.25	A	4,162	0.26	A	0	0.00	A	3,529	0.22	A	4,324	0.27	A	4,396	0.27	A
9th St	D St	E St	3,696	0.23	A	4,299	0.27	A	4,135	0.26	A	4,382	0.27	A	3,924	0.24	A	3,980	0.25	A	3,499	0.22	A	4,285	0.26	A	3,259	0.20	A
9th St	E St	F St	4,381	0.27	A	4,609	0.28	A	4,881	0.30	A	4,689	0.29	A	4,511	0.28	A	4,475	0.28	A	4,356	0.27	A	4,651	0.29	A	4,209	0.26	A
9th St	F St	J St	5,309	0.33	A	5,632	0.35	A	5,282	0.33	A	4,968	0.31	A	4,977	0.31	A	4,543	0.28	A	5,828	0.36	A	4,854	0.30	A	4,547	0.28	A
9th St	J St	M St	3,761	0.23	A	4,796	0.30	A	4,484	0.28	A	4,210	0.26	A	4,280	0.26	A	3,690	0.23	A	3,738	0.23	A	4,146	0.26	A	3,832	0.24	A
10th St	Hillcrest Dr	Dewey Dr	2,263	0.14	A	2,379	0.15	A	2,470	0.15	A	2,415	0.15	A	2,317	0.14	A	1,801	0.11	A	2,273	0.14	A	2,303	0.14	A	2,286	0.14	A
10th St	Dewey Dr	Savage St	2,818	0.17	A	2,932	0.18	A	3,019	0.19	A	2,963	0.18	A	2,866	0.18	A	2,267	0.14	A	2,834	0.17	A	2,851	0.18	A	2,836	0.18	A
10th St	Savage St	Josephine St	4,336	0.27	A	4,483	0.28	A	4,568	0.28	A	4,498	0.28	A	4,351	0.27	A	3,629	0.22	A	4,340	0.27	A	4,341	0.27	A	4,324	0.27	A
10th St	Josephine St	A St	5,050	0.31	A	4,416	0.27	A	4,261	0.26	A	4,524	0.28	A	4,329	0.27	A	6,677	0.42	B	4,999	0.31	A	4,229	0.26	A	4,108	0.25	A
Fruitdale Dr	Jacksonville Hwy	Popular Dr	4,794	0.30	A	5,081	0.31	A	4,941	0.31	A	4,774	0.29	A	4,768	0.29	A	4,737	0.29	A	4,706	0.29	A	4,900	0.30	A	4,940	0.30	A
Fruitdale Dr	Popular Dr	Drury Ln	4,794	0.30	A	5,081	0.31	A	4,941	0.31	A	4,774	0.29	A	4,768	0.29	A	4,737	0.29	A	4,706	0.29	A	4,900	0.30	A	4,940	0.30	A
Fruitdale Dr	Drury Ln	Parkdale Dr	4,444	0.27	A	4,088	0.25	A	4,204	0.26	A	4,060	0.25	A	3,627	0.22	A	3,597	0.23	A	3,782	0.23	A	3,804	0.23	A	3,805	0.23	A
Fruitdale Dr	Parkdale Dr	Alexander Ln	5,392	0.33	A	5,666	0.35	A	5,693	0.35	A	5,027	0.31	A	5,565	0.34	A	5,533	0.34	A	5,233	0.32	A	5,472	0.34	A	5,591	0.35	A

			2015 Alternative Run Assignments																											
			No Build Alternative			Alternative 1			Alternative 2			Alternative 3			Alternative 4			Alternative 5			Alternative 6			Alternative 7			Alternative 8		
Street Name	Segment Name (From)	Segment Name (To)	Volume	V/C	LOS	Volume	V/C	LOS	Volume	V/C	LOS	Volume	V/C	LOS	Volume	V/C	LOS	Volume	V/C	LOS	Volume	V/C	LOS	Volume	V/C	LOS	Volume	V/C	LOS
Grandview Ave	Harbeck Rd	Drury Ln	5,404	0.33	A	5,100	0.31	A	5,105	0.32	A	5,219	0.32	A	5,233	0.32	A	5,224	0.32	A	5,298	0.33	A	5,185	0.32	A	5,339	0.33	A
Grandview Ave	Drury Ln	Gaffney Way	5,498	0.34	A	5,199	0.32	A	5,206	0.32	A	5,319	0.33	A	5,335	0.33	A	5,328	0.33	A	5,396	0.33	A	5,286	0.33	A	5,455	0.34	A
Grandview Ave	Gaffney Way	Cloverlawn Dr	4,592	0.28	A	4,292	0.26	A	4,312	0.27	A	4,417	0.27	A	4,442	0.27	A	4,433	0.27	A	4,482	0.28	A	4,430	0.27	A	4,545	0.28	A
Cloverlawn	Rogue River Hwy	Fruitdale Dr	5,929	0.37	A	4,774	0.29	A	4,800	0.28	A	5,585	0.34	A	3,650	0.23	A	4,672	0.28	A	5,925	0.37	A	4,248	0.26	A	4,052	0.25	A
Cloverlawn	Fruitdale Dr	Alanita Rd	7,536	0.47	B	7,551	0.47	B	7,413	0.46	B	7,450	0.46	B	7,168	0.44	B	7,460	0.46	B	7,475	0.46	B	6,671	0.41	A	6,527	0.40	A
Cloverlawn	Alanita Rd	Hamilton Ln	7,756	0.48	B	8,784	0.54	B	8,768	0.54	B	8,780	0.54	B	8,770	0.54	B	8,778	0.54	B	8,780	0.54	B	8,786	0.54	B	8,746	0.54	B
Rogue River Hwy	Redwood Hwy	Maple Ln	17,996	0.59	B	18,188	0.60	B	17,966	0.59	B	18,149	0.60	B	18,566	0.61	B	18,453	0.61	B	17,926	0.59	B	18,476	0.61	B	18,414	0.61	B
Rogue River Hwy	Maple Ln	Parkdale Dr	18,622	0.61	B	18,724	0.62	B	18,488	0.61	B	18,668	0.62	B	19,116	0.63	B	18,963	0.63	B	18,519	0.61	B	19,079	0.63	B	18,950	0.63	B
Rogue River Hwy	Parkdale Dr	Cloverlawn Dr	16,017	0.53	B	16,157	0.53	B	16,143	0.53	B	16,675	0.55	B	16,162	0.53	B	17,166	0.57	B	16,266	0.54	B	16,268	0.54	B	16,039	0.53	B
Rogue River Hwy	Cloverlawn Dr	Mt Baldy Rd	10,452	0.34	A	10,370	0.34	A	10,468	0.35	A	10,527	0.35	A	10,538	0.35	A	10,483	0.35	A	10,425	0.34	A	10,315	0.34	A	10,426	0.34	A
Rogue River Hwy	Mt Baldy Rd	Fruitdale Dr	9,226	0.38	A	9,143	0.38	A	9,241	0.38	A	9,300	0.38	A	9,310	0.38	A	9,257	0.38	A	9,199	0.38	A	9,085	0.38	A	9,193	0.38	A
Rogue River Hwy	Fruitdale Dr	Peckerwood Ln	12,401	0.51	B	12,407	0.51	B	12,427	0.51	B	12,411	0.51	B	12,427	0.51	B	12,411	0.51	B	12,381	0.51	B	12,409	0.51	B	12,423	0.51	B
4th St	Evelyn Ave	A St	7,609	0.47	B	7,231	0.45	B	7,756	0.48	B	7,600	0.47	B	7,163	0.44	B	7,656	0.48	B	6,990	0.43	B	7,311	0.45	B	7,606	0.47	B
4th St	A St	E St	8,165	0.50	B	8,744	0.54	B	7,119	0.44	B	8,859	0.55	B	6,076	0.38	A	6,213	0.38	A	8,016	0.49	B	6,072	0.37	A	5,002	0.31	A
4th St	E St	F St	7,139	0.44	B	6,652	0.41	B	6,409	0.40	A	6,461	0.40	A	6,745	0.42	B	6,419	0.40	A	7,677	0.47	B	6,727	0.42	B	6,157	0.38	A
4th St	F St	J St	7,153	0.44	B	4,615	0.28	A	4,784	0.30	A	4,478	0.28	A	5,710	0.35	A	5,298	0.33	A	7,288	0.45	B	5,726	0.35	A	5,179	0.32	A
4th St	J St	Bridge St	4,057	0.25	A	4,303	0.27	A	4,618	0.29	A	4,564	0.28	A	4,559	0.28	A	4,164	0.26	A	4,290	0.26	A	4,531	0.28	A	3,885	0.24	A
Harbeck Rd	Union Ave	Gil Ln	6,732	0.42	B	7,457	0.46	B	7,530	0.46	B	7,565	0.47	B	7,236	0.45	B	7,432	0.46	B	7,038	0.43	B	6,043	0.37	A	5,788	0.36	A
Harbeck Rd	Gil Ln	Grandview Ave	2,848	0.18	A	2,707	0.17	A	2,802	0.17	A	2,831	0.17	A	2,909	0.18	A	2,794	0.17	A	2,812	0.17	A	3,273	0.20	A	3,254	0.20	A
Harbeck Rd	Grandview Ave	West Harbeck Rd	3,167	0.20	A	3,003	0.19	A	2,913	0.18	A	3,000	0.19	A	2,936	0.18	A	3,042	0.19	A	3,096	0.19	A	2,524	0.16	A	2,697	0.17	A
West Harbeck Rd	Allen Creek Rd	Williams Hwy	5,076	0.31	A	5,200	0.32	A	5,197	0.32	A	4,957	0.31	A	5,698	0.35	A	4,883	0.30	A	4,761	0.29	A	757	0.05	A	46	0.00	A
West Harbeck Rd	Williams Hwy	Towne St	2,821	0.17	A	2,689	0.16	A	2,580	0.16	A	2,656	0.16	A	2,587	0.16	A	2,699	0.17	A	2,746	0.17	A	2,237	0.14	A	2,392	0.15	A
West Harbeck Rd	Towne St	Harbeck Rd	3,167	0.20	A	3,003	0.19	A	2,913	0.18	A	3,000	0.19	A	1,936	0.12	A	3,042	0.19	A	3,096	0.19	A	2,524	0.16	A	2,697	0.17	A
LOS Definitions				0.46	B		0.44	B		0.45	B		0.44	B		0.42	B		0.41	A		0.46	B		0.42	B		0.41	A

Alternative Construction Projects

Facility	Limits From	Limits To	Length (mi)	GRAND TOTAL	Notes
Fourth Bridge	Schroeder Lane	Lower River Road	0.11	8,460,000	Cost based on $11,750/linear foot for bridge construction
	Lower River Road	Upper River Road	0.63	2,246,480	
Willow Lane/Schroeder Lane	Redwood Avenue	New Bridge	0.95	2,446,947	
Foundry Street	F Street	Lincoln Road	1.01	3,337,351	Includes at-grade railroad crossing
Morgan Lane Extension	Mogan Lane Terminus	Lincoln Rd./Foundry St.	2.05	5,825,630	Extensive grading work required (2x cost), likely to have 2 stream crossings
G Street	Lincoln Road	Foundry St.	1.04	2,602,239	
Upper River Road	Pinecrest Drive	Lincoln Road	0.91	2,137,072	
I-5 Northbound On-Ramp	Scoville Road	I-5	0.80	1,817,098	Project consistent with outlet mall improvements
New Service Road	Hillcrest Drive	Greenfield Road	0.32	1,000,722	Improved access to area north of I-5, likely to cross canal
			Subtotal w/ G Street	29,873,539	
			Subtotal w/o G Street	27,271,300	
Tier Two Projects					
Morgan Lane Extension	Mogan Lane Terminus	Lincoln Rd./Foundry St.	1.14	3,162,438	Extensive grading work required (2x cost), likely to have 2 stream crossings
Midland Avenue	7th Street	9th Street	0.15	686,185	Study suggests that improvement is not recommended, offset intersection
Beacon Drive	Madrone Street	Heritage Drive	0.06	161,365	Improve neighborhood circulation, provide new access to north of I-5
9th Street	Wharton Street	A Street	0.04	7,924	Vacate roadway to allow for High School expansion
Dimmick Street	Foundry Street	F Street	0.04	718,762	More efficient circulation and emergency access, 1 railroad crossing
Lincoln Road @ Lower River Rd	Intersection Improvements			210,877	Increase efficiency and safety, exact improvements unknown
Susan Lane Extension	Terminus	Cottonwood Street	0.16	369,181	New access for future school project
New Road	Bridge Street	Susan Lane	0.21	496,548	New access for future school project
Agness Avenue Extension	Terminus	N Street	0.19	1,065,997	More efficient circulation and emergency access, 1 railroad crossing
Ament Dam Road Extension	Shannon Lane	Agness Avenue Extension	0.30	714,046	More efficient circulation and emergency access
New Road	Darnelle Lane	Leonard Road	0.63	1,504,762	New collector road to support future development, encroaches on housing
New Road	Hubbard Lane	Leonard Road	0.76	2,207,924	New collector road, part is constructed, canal crossing
New Road	Leonard Road	New Hubbard-Leonard connection	0.27	632,891	New collector road to support future development in the area
New Road	Ray Dean Drive	New Hubbard-Leonard connection	0.27	631,765	New collector road to support future development in the area
New Road	West Harbeck Road	Dowell Road	0.76	1,798,770	New collector road to support future development in the area
New Road	Schutzwohl Lane	New W Harbeck-Dowell Rd.	0.11	270,435	New collector road to support future development in the area
Allen Creek Road	Denton Trail	Jacksonville Hwy	0.42	1,239,746	Reduces congestion on Jacksonville Highway, crosses creek, housing
New Road	Schutzwohl Lane	GI Lane	0.59	1,771,283	More efficient circulation and emergency access, housing on Jack. Hwy
South Union Road Extension	Terminus	New Schutzwohl-GI Ln. Road	0.21	533,477	More efficient circulation and emergency access
Ringuette Road Extension	Redwood Highway	Union Avenue	0.07	471,863	More efficient circulation and emergency access
GI Lane Extension	Harbeck Road	Grandview Avenue	0.45	1,081,739	More efficient circulation
Cloverlawn Drive Extension	Hamilton Lane	Rogue River Hwy	1.18	3,693,953	New road would support future growth, 2 creek crossings
			Tier Two Total	20,269,512	
			Grand Total w/ G Street	50,143,052	
			Grand Total w/o G Street	47,540,813	

Alternative 3 Construction Projects

Facility	Limits From	Limits To	Lanes	Lane Miles	Location	ROW	Asphalt	Subgrade	Excavation
Fourth Bridge	Schroeder Lane	Lower River Road	4	0.45	UGB				
	Lower River Road	Upper River Road	4	2.50	UGB	398,129	126,720	96,624	63,360
Willow Lane/Schroeder Lane	Redwood Avenue	New Bridge	2	1.90	UGB	606,638	96,384	73,493	48,192
Foundry Street	F Street	Lincoln Road	2	2.02	City	644,245	102,528	78,178	51,264
Morgan Lane Extension	Mogan Lane Terminus	Lincoln Rd./Foundry St.	2	4.09	City	1,302,967	207,360	158,112	207,360
G Street	Lincoln Road	Foundry St.	2	2.08	City	663,548	105,600	80,520	52,800
Upper River Road	Pinecrest Drive	Lincoln Road	2	1.82	UGB	579,096	92,160	70,272	46,080
I-5 Northbound On-Ramp	Scoville Road	I-5	1	0.80	City	506,709	40,320	30,744	20,160
New Service Road	Hillcrest Drive	Greenfield Road	2	0.64	UGB	205,097	32,640	24,888	16,320
			Su						
Tier Two Projects			Subt						
Morgan Lane Extension	Mogan Lane Terminus	Lincoln Rd./Foundry St.	2	2.27	City	723,870	115,200	87,840	115,200
Midland Avenue	7th Street	9th Street	2	0.30	City	96,516	15,360	11,712	7,680
Beacon Drive	Madrone Street	Heritage Drive	2	0.13	City	41,019	6,528	4,978	3,264
9th Street	Wharton Street	A Street	2	0.08	City				
Dimmick Street	Foundry Street	F Street	2	0.08	City	24,129	3,840	2,928	1,920
Lincoln Road @ Lower River Rd	Intersection Improvements			0.00	UGB				
Susan Lane Extension	Terminus	Cottonwood Street	2	0.31	UGB	98,929	15,744	12,005	7,872
New Road	Bridge Street	Susan Lane	2	0.42	UGB	132,710	21,120	16,104	10,560
Agness Avenue Extension	Terminus	N Street	2	0.38	UGB	120,645	19,200	14,640	9,600
Ament Dam Road Extension	Shannon Lane	Agness Avenue Extension	2	0.61	UGB	193,032	30,720	23,424	15,360
New Road	Damelle Lane	Leonard Road	2	1.27	UGB	402,955	64,128	48,896	32,064
New Road	Hubbard Lane	Leonard Road	2	1.52	UGB	484,993	77,184	58,853	38,592
New Road	Leonard Road	New Hubbard-Leonard connection	2	0.53	UGB	168,903	26,880	20,496	13,440
New Road	Ray Dean Drive	New Hubbard-Leonard connection	2	0.53	UGB	168,903	26,880	20,496	13,440
New Road	West Harbeck Road	Dowell Road	2	1.52	UGB	482,580	76,800	58,560	38,400
New Road	Schutzwohl Lane	New W Harbeck-Dowell Rd.	2	0.23	UGB	72,387	11,520	8,784	5,760
Allen Creek Road	Denton Trail	Jacksonville Hwy	2	0.83	UGB	265,419	42,240	32,208	21,120
New Road	Schutzwohl Lane	GI Lane	2	1.17	City	374,000	59,520	45,384	29,760
South Union Road Extension	Terminus	New Schutzwohl-GI Ln. Road	2	0.42	City	135,122	21,504	16,397	10,752
Ringuette Road Extension	Redwood Highway	Union Avenue	2	0.14	City	43,432	6,912	5,270	3,456
GI Lane Extension	Harbeck Road	Grandview Avenue	2	0.91	City	289,548	46,080	35,136	23,040
Cloverlawn Drive Extension	Hamilton Lane	Rogue River Hwy	2	2.36	UGB	752,825	119,808	91,354	59,904
			Grand						
			Grand T						

Alternativ Construction Projects

Facility	Limits From	Limits To	Storm Drainage	Channelization	Striping	Landscaping	Curb & Gutter	5' Sidewalk	5' Bike lane	Street Lighting
Fourth Bridge	Schroeder Lane	Lower River Road								
	Lower River Road	Upper River Road	357,324	84,250	3,250	105,438	18,975	55,110	59,730	
Willow Lane/Schroeder Lane	Redwood Avenue	New Bridge	543,566	64,081	2,472	160,393	28,865	83,834	90,862	
Foundry Street	F Street	Lincoln Road	578,215	68,168	2,630	170,617	30,705	89,178	96,654	113,778
Morgan Lane Extension	Mogan Lane Terminus	Lincoln Rd./Foundry St.	1,169,424	137,864	5,318	345,068	62,100	180,360	195,480	230,114
G Street	Lincoln Road	Foundry St.	595,540	70,208	2,708	175,729	31,625	91,850	99,550	117,188
Upper River Road	Pinecrest Drive	Lincoln Road	519,744	61,273	2,364	153,364	27,600	80,160	86,880	
I-5 Northbound On-Ramp	Scoville Road	I-5	454,776	26,807	1,034	134,193				
New Service Road	Hillcrest Drive	Greenfield Road	184,076	21,701	837	54,316	9,775	28,390	30,770	36,222
		Su								
Tier Two Projects		Subt								
Morgan Lane Extension	Mogan Lane Terminus	Lincoln Rd./Foundry St.	649,680	76,591	2,955	191,705	34,500	100,200		127,841
Midland Avenue	7th Street	9th Street	86,624	10,212	394	25,561	4,600	13,360	14,480	17,045
Beacon Drive	Madrone Street	Heritage Drive	36,815	4,340	167	10,863	1,955	5,678	6,154	7,244
9th Street	Wharton Street	A Street				6,390				
Dimmick Street	Foundry Street	F Street	21,656	2,553	98	6,390	1,150	3,340	3,620	4,261
Lincoln Road @ Lower River Rd	Intersection Improvements									
Susan Lane Extension	Terminus	Cottonwood Street	88,790	10,467	404	26,200	4,715	13,694		17,472
New Road	Bridge Street	Susan Lane	119,108	14,042	542	35,146	6,325	18,370		23,436
Agness Avenue Extension	Terminus	N Street	108,280	12,765	492	31,961	5,750	16,700	18,100	
Ament Dam Road Extension	Shannon Lane	Agness Avenue Extension	173,248	20,424	788	51,121	9,200	26,720	28,960	
New Road	Damelle Lane	Leonard Road	361,655	42,636	1,645	106,716	19,205	55,778		71,165
New Road	Hubbard Lane	Leonard Road	435,286	51,316	1,980	128,442	23,115	67,134		85,653
New Road	Leonard Road	New Hubbard-Leonard connection	151,592	17,871	689	44,731	8,050	23,380		29,830
New Road	Ray Dean Drive	New Hubbard-Leonard connection	151,592	17,871	689	44,731	8,050	23,380		29,830
New Road	West Harbeck Road	Dowell Road	433,120	51,061	1,970	127,803	23,000	66,800		85,227
New Road	Schutzwohl Lane	New W Harbeck-Dowell Rd.	64,968	7,659	295	19,170	3,450	10,020		12,784
Allen Creek Road	Denton Trail	Jacksonville Hwy	238,216	28,083	1,083	70,292	12,650	36,740	39,820	46,875
New Road	Schutzwohl Lane	GI Lane	335,668	39,572	1,527	99,047	17,825	51,770	56,110	66,051
South Union Road Extension	Terminus	New Schutzwohl-GI Ln. Road	121,274	14,297	552	35,785	6,440	18,704	20,272	23,864
Ringuette Road Extension	Redwood Highway	Union Avenue	38,981	4,595	177	11,502	2,070	6,012		7,670
GI Lane Extension	Harbeck Road	Grandview Avenue	259,872	30,636	1,182	76,682	13,800	40,080		51,136
Cloverlawn Drive Extension	Hamilton Lane	Rogue River Hwy	675,667	79,655	3,073	199,373	35,880	104,208	112,944	
		Grand								
		Grand T								

Alternative 5 Construction Projects

Non-Costable

Facility	Limits From	Limits To	Signage	Wheelchair Ramps #		Comm. Driveway Ft		GP Traffic Signal #		ODOT Traffic Signal #		Wetland Mitigation
Fourth Bridge	Schroeder Lane	Lower River Road			0		0		0		0	
	Lower River Road	Upper River Road	2,125	16	3,632		0	2	337,400		0	
Willow Lane/Schroeder Lane	Redwood Avenue	New Bridge	3,233	16	3,632		0	1	168,700		0	
Foundry Street	F Street	Lincoln Road	3,439	8	1,816		0		0		0	
Morgan Lane Extension	Mogan Lane Terminus	Lincoln Rd./Foundry St.	6,955	4	908		0	1	168,700		0	
G Street	Lincoln Road	Foundry St.	3,542	36	8,172		0		0		0	
Upper River Road	Pinecrest Drive	Lincoln Road	3,091	6	1,362		0		0		0	
I-5 Northbound On-Ramp	Scoville Road	I-5	2,705	2	454		0		0	1	247,500	
New Service Road	Hillcrest Drive	Greenfield Road	1,095	4	908		0		0		0	
		Su										
Tier Two Projects		Subt										
Morgan Lane Extension	Mogan Lane Terminus	Lincoln Rd./Foundry St.	3,864	4	908		0		0		0	
Midland Avenue	7th Street	9th Street	515	8	1,816		0		0	1	247,500	
Beacon Drive	Madrone Street	Heritage Drive	219	4	908		0		0		0	
9th Street	Wharton Street	A Street			0		0		0		0	
Dimmick Street	Foundry Street	F Street	129	16	3,632		0		0		0	
Lincoln Road @ Lower River Rd	Intersection Improvements			6	1,362		0	1	168,700		0	
Susan Lane Extension	Terminus	Cottonwood Street	528	4	908		0		0		0	
New Road	Bridge Street	Susan Lane	708	10	2,270		0		0		0	
Agness Avenue Extension	Terminus	N Street	644	4	908		0		0		0	
Ament Dam Road Extension	Shannon Lane	Agness Avenue Extension	1,030	8	1,816		0		0		0	
New Road	Dameille Lane	Leonard Road	2,151	20	4,540		0		0		0	
New Road	Hubbard Lane	Leonard Road	2,589	24	5,448		0		0		0	
New Road	Leonard Road	New Hubbard-Leonard connection	902	16	3,632		0		0		0	
New Road	Ray Dean Drive	New Hubbard-Leonard connection	902	12	2,724		0		0		0	
New Road	West Harbeck Road	Dowell Road	2,576	12	2,724		0		0		0	
New Road	Schutzwohl Lane	New W Harbeck-Dowell Rd.	386	4	908		0		0		0	
Allen Creek Road	Denton Trail	Jacksonville Hwy	1,417	16	3,632		0		0		0	
New Road	Schutzwohl Lane	GI Lane	1,996	12	2,724		0		0	1	247,500	
South Union Road Extension	Terminus	New Schutzwohl-GI Ln. Road	721	20	4,540		0		0		0	
Ringuette Road Extension	Redwood Highway	Union Avenue	232	12	2,724		0		0	1	247,500	
GI Lane Extension	Harbeck Road	Grandview Avenue	1,545	16	3,632		0		0		0	
Cloverlawn Drive Extension	Hamilton Lane	Rogue River Hwy	4,018	18	4,086		0	1	168,700	1	247,500	
		Grand										
		Grand T										

A nativ 5 Construction Projects

Facility	Limits From	Limits To	dd-Ons At-Grade RR Crossing	Bridge/Structure LF	Bridge/Structure Cost	SUBTOTAL	20% D,CM Permits
Fourth Bridge	Schroeder Lane	Lower River Road		600	7,050,000	7,050,000	1,410,000
	Lower River Road	Upper River Road		100	160,000	1,872,066	374,413
Willow Lane/Schroeder Lane	Redwood Avenue	New Bridge				1,973,344	473,603
Foundry Street	F Street	Lincoln Road	500,000	100	160,000	2,691,412	645,939
Morgan Lane Extension	Mogan Lane Terminus	Lincoln Rd./Foundry St.		200	320,000	4,698,089	1,127,541
G Street	Lincoln Road	Foundry St.				2,098,580	503,659
Upper River Road	Pinecrest Drive	Lincoln Road				1,723,445	413,627
I-5 Northbound On-Ramp	Scoville Road	I-5				1,465,402	351,696
New Service Road	Hillcrest Drive	Greenfield Road		100	160,000	807,034	193,688
			Su				Subtotal w/ G Street
Tier Two Projects			Subt				Subtotal w/o G Street
Morgan Lane Extension	Mogan Lane Terminus	Lincoln Rd./Foundry St.		200	320,000	2,550,353	612,085
Midland Avenue	7th Street	9th Street				553,375	132,810
Beacon Drive	Madrone Street	Heritage Drive				130,133	31,232
9th Street	Wharton Street	A Street				6,390	1,534
Dimmick Street	Foundry Street	F Street	500,000			579,647	139,115
Lincoln Road @ Lower River Rd	Intersection Improvements					170,062	40,815
Susan Lane Extension	Terminus	Cottonwood Street				297,727	71,454
New Road	Bridge Street	Susan Lane				400,442	96,106
Agness Avenue Extension	Terminus	N Street	500,000			859,675	206,322
Ament Dam Road Extension	Shannon Lane	Agness Avenue Extension				575,844	138,203
New Road	Dameille Lane	Leonard Road				1,213,534	291,248
New Road	Hubbard Lane	Leonard Road		200	320,000	1,780,584	427,340
New Road	Leonard Road	New Hubbard-Leonard connection				510,396	122,495
New Road	Ray Dean Drive	New Hubbard-Leonard connection				509,488	122,277
New Road	West Harbeck Road	Dowell Road				1,450,621	348,149
New Road	Schutzwohl Lane	New W Harbeck-Dowell Rd.				218,093	52,342
Allen Creek Road	Denton Trail	Jacksonville Hwy		100	160,000	999,795	239,951
New Road	Schutzwohl Lane	GI Lane				1,428,454	342,829
South Union Road Extension	Terminus	New Schutzwohl-GI Ln. Road				430,223	103,254
Ringuette Road Extension	Redwood Highway	Union Avenue				380,535	91,328
GI Lane Extension	Harbeck Road	Grandview Avenue				872,370	209,369
Cloverlawn Drive Extension	Hamilton Lane	Rogue River Hwy		200	320,000	2,978,994	714,959
							Subtotal
			Grand				Grand Total w/ G Street
			Grand T				Grand Total w/o G Street

Alternative ı ,nstruction Projects

Facility	Limits From	Limits To	Length (mi)	GRAND TOTAL	Notes
Fourth Bridge	Flower Lane	Lincoln Road/Foundry St.	0.18	13,987,200	Cost based on $11,750/linear foot for bridge construction
Flower Lane	Redwood Highway	New Bridge	0.20	1,029,587	
Lincoln Road	New Bridge	Terminus	0.11	324,958	
Lincoln Road	Terminus	G Street	0.76	2,101,111	
G Street	Lincoln Road	Foundry St.	1.04	2,602,239	
Foundry Street	F Street	Lincoln Road	1.01	3,337,351	Includes at-grade railroad crossing
Morgan Lane Extension	Mogan Lane Terminus	Lincoln Rd./Foundry St.	2.05	5,825,630	Extensive grading work required (2x cost), likely to have 2 stream crossings
I-5 Northbound On-Ramp	Scoville Road	I-5	0.80	1,817,096	Project consistent with outlet mall improvements
New Service Road	Hillcrest Drive	Greenfield Road	0.32	1,000,722	Improved access to area north of I-5, likely to cross canal
			Subtotal w/ G Street	32,025,898	
Tier Two Projects			Subtotal w/o G Street	29,423,659	
Morgan Lane Extension	Mogan Lane Terminus	B Street	1.14	3,162,438	Extensive grading work required (2x cost), likely to have 2 stream crossings
Midland Avenue	7th Street	9th Street	0.15	686,185	Study suggests that improvement is not recommended, offset intersection
Beacon Drive	Madrone Street	Heritage Drive	0.06	161,365	Improve neighborhood circulation, provide new access to north of I-5
9th Street	Wharton Street	A Street	0.04	7,924	Vacate roadway to allow for High School expansion
Dimmick Street	Foundry Street	F Street	0.04	718,762	More efficient circulation and emergency access, 1 railroad crossing
Lincoln Road @ Lower River Rd	Intersection Improvements			210,877	Increase efficiency and safety, exact improvements unknown
Susan Lane Extension	Terminus	Cottonwood Street	0.16	369,181	New access for future school project
New Road	Bridge Street	Susan Lane	0.21	496,548	New access for future school project
Agness Avenue Extension	Terminus	N Street	0.19	1,065,997	More efficient circulation and emergency access, 1 railroad crossing
Ament Dam Road Extension	Shannon Lane	Agness Avenue Extension	0.30	714,046	More efficient circulation and emergency access
New Road	Damellie Lane	Leonard Road	0.63	1,504,782	New collector road to support future development, encroaches on housing
New Road	Hubbard Lane	Leonard Road	0.76	2,207,924	New collector road, part is constructed, canal crossing
New Road	Leonard Road	New Hubbard-Leonard connection	0.27	632,891	New collector road to support future development in the area
New Road	Ray Dean Drive	New Hubbard-Leonard connection	0.27	631,765	New collector road to support future development in the area
New Road	West Harbeck Road	Dowell Road	0.76	1,798,770	New collector road to support future development in the area
New Road	Schutzwohl Lane	New W Harbeck-Dowell Rd.	0.11	270,435	New collector road to support future development in the area
Allen Creek Road	Denton Trail	Jacksonville Hwy	0.42	1,239,746	Reduces congestion on Jacksonville Highway, crosses creek, housing
New Road	Schutzwohl Lane	GI Lane	0.59	1,771,283	More efficient circulation and emergency access, housing on Jack. Hwy
South Union Road Extension	Terminus	New Schutzwohl-GI Ln. Road	0.21	533,477	More efficient circulation and emergency access
Ringuette Road Extension	Redwood Highway	Union Avenue	0.07	471,863	More efficient circulation and emergency access
GI Lane Extension	Harbeck Road	Grandview Avenue	0.45	1,081,739	More efficient circulation
Cloverlawn Drive Extension	Hamilton Lane	Rogue River Hwy	1.18	3,693,953	New road would support future growth, 2 creek crossings
			Tier Two Total	20,269,512	
			Grand Total w/ G Street	52,295,410	
			Grand Total w/o G Street	49,693,171	

Alternative o Construction Projects

Facility	Limits From	Limits To	Lanes	Lane Miles	Location	ROW	Asphalt	Subgrade	Excavation
Fourth Bridge	Flower Lane	Lincoln Road/Foundry St.	4	0.73	UGB				
Flower Lane	Redwood Highway	New Bridge	2	0.41	UGB	130,297	20,736	15,811	10,368
Lincoln Road	New Bridge	Terminus	4	0.45	UGB	72,387	23,040	17,568	11,520
Lincoln Road	Terminus	G Street	2	1.52	UGB	482,580	76,800	58,560	38,400
G Street	Lincoln Road	Foundry St.	2	2.08	City	663,548	105,600	80,520	52,800
Foundry Street	F Street	Lincoln Road	2	2.02	City	644,245	102,528	78,178	51,264
Morgan Lane Extension	Mogan Lane Terminus	Lincoln Rd./Foundry St.	2	4.09	City	1,302,967	207,360	158,112	207,360
I-5 Northbound On-Ramp	Scoville Road	I-5	1	0.80	City	506,709	40,320	30,744	20,160
New Service Road	Hillcrest Drive	Greenfield Road	2	0.64	UGB	205,097	32,640	24,888	16,320
			Su						
Tier Two Projects			Subt						
Morgan Lane Extension	Mogan Lane Terminus	B Street	2	2.27	City	723,870	115,200	87,840	115,200
Midland Avenue	7th Street	9th Street	2	0.30	City	96,516	15,360	11,712	7,680
Beacon Drive	Madrone Street	Heritage Drive	2	0.13	City	41,019	6,528	4,978	3,264
9th Street	Wharton Street	A Street	2	0.08	City				
Dimmick Street	Foundry Street	F Street	2	0.08	City	24,129	3,840	2,928	1,920
Lincoln Road @ Lower River Rd	Intersection Improvements			0.00	UGB				
Susan Lane Extension	Terminus	Cottonwood Street	2	0.31	UGB	98,929	15,744	12,005	7,872
New Road	Bridge Street	Susan Lane	2	0.42	UGB	132,710	21,120	16,104	10,560
Agness Avenue Extension	Terminus	N Street	2	0.38	UGB	120,645	19,200	14,640	9,600
Ament Dam Road Extension	Shannon Lane	Agness Avenue Extension	2	0.61	UGB	193,032	30,720	23,424	15,360
New Road	Damellie Lane	Leonard Road	2	1.27	UGB	402,955	64,128	48,898	32,064
New Road	Hubbard Lane	Leonard Road	2	1.52	UGB	484,993	77,184	58,853	38,592
New Road	Leonard Road	New Hubbard-Leonard connection	2	0.53	UGB	168,903	26,880	20,496	13,440
New Road	Ray Dean Drive	New Hubbard-Leonard connection	2	0.53	UGB	168,903	26,880	20,496	13,440
New Road	West Harbeck Road	Dowell Road	2	1.52	UGB	482,580	76,800	58,560	38,400
New Road	Schutzwohl Lane	New W Harbeck-Dowell Rd.	2	0.23	UGB	72,387	11,520	8,784	5,760
Allen Creek Road	Denton Trail	Jacksonville Hwy	2	0.83	UGB	265,419	42,240	32,208	21,120
New Road	Schutzwohl Lane	GI Lane	2	1.17	City	374,000	59,520	45,384	29,760
South Union Road Extension	Terminus	New Schutzwohl-GI Ln. Road	2	0.42	City	135,122	21,504	16,397	10,752
Ringuette Road Extension	Redwood Highway	Union Avenue	2	0.14	City	43,432	6,912	5,270	3,456
GI Lane Extension	Harbeck Road	Grandview Avenue	2	0.91	City	289,548	46,080	35,136	23,040
Cloverlawn Drive Extension	Hamilton Lane	Rogue River Hwy	2	2.36	UGB	752,825	119,808	91,354	59,904
			Grand						
			Grand T						

Alternativ Construction Projects

Facility	Limits From	Limits To	Storm Drainage	Channelization	Striping	Landscaping	Curb & Gutter	5' Sidewalk	5' Bike lane	Street Lighting
Fourth Bridge	Flower Lane	Lincoln Road/Foundry St.								
Flower Lane	Redwood Highway	New Bridge	116,942	13,786	532	34,507	6,210	18,036	19,548	23,011
Lincoln Road	New Bridge	Terminus	64,968	15,318	591	19,170	3,450	10,020	10,860	12,784
Lincoln Road	Terminus	G Street	433,120	51,061	1,970	127,803	23,000	66,800	72,400	85,227
G Street	Lincoln Road	Foundry St.	595,540	70,208	2,708	175,729	31,625	91,850	99,550	117,188
Foundry Street	F Street	Lincoln Road	578,215	68,166	2,630	170,617	30,705	89,178	96,654	113,778
Morgan Lane Extension	Mogan Lane Terminus	Lincoln Rd./Foundry St.	1,169,424	137,864	5,318	345,068	62,100	180,360	195,480	230,114
I-5 Northbound On-Ramp	Scoville Road	I-5	454,776	26,807	1,034	134,193				
New Service Road	Hillcrest Drive	Greenfield Road	184,078	21,701	837	54,316	9,775	28,390	30,770	36,222
		Su								
Tier Two Projects		Subt								
Morgan Lane Extension	Mogan Lane Terminus	B Street	649,680	76,591	2,955	191,705	34,500	100,200		127,841
Midland Avenue	7th Street	9th Street	86,624	10,212	394	25,561	4,600	13,360	14,480	17,045
Beacon Drive	Madrone Street	Heritage Drive	36,815	4,340	167	10,863	1,955	5,678	6,154	7,244
9th Street	Wharton Street	A Street				6,390				
Dimmick Street	Foundry Street	F Street	21,656	2,553	98	6,390	1,150	3,340	3,620	4,261
Lincoln Road @ Lower River Rd	Intersection Improvements									
Susan Lane Extension	Terminus	Cottonwood Street	88,790	10,467	404	26,200	4,715	13,694		17,472
New Road	Bridge Street	Susan Lane	119,108	14,042	542	35,146	6,325	18,370		23,438
Agness Avenue Extension	Terminus	N Street	108,280	12,765	492	31,951	5,750	16,700	18,100	
Ament Dam Road Extension	Shannon Lane	Agness Avenue Extension	173,248	20,424	788	51,121	9,200	26,720	28,960	
New Road	Damelle Lane	Leonard Road	361,655	42,636	1,645	106,716	19,205	55,778		71,165
New Road	Hubbard Lane	Leonard Road	435,286	51,316	1,980	128,442	23,115	67,134		85,653
New Road	Leonard Road	New Hubbard-Leonard connection	151,592	17,871	689	44,731	8,050	23,380		29,830
New Road	Ray Dean Drive	New Hubbard-Leonard connection	151,592	17,871	689	44,731	8,050	23,380		29,830
New Road	West Harbeck Road	Dowell Road	433,120	51,061	1,970	127,803	23,000	66,800		85,227
New Road	Schutzwohl Lane	New W Harbeck-Dowell Rd.	64,968	7,659	295	19,170	3,450	10,020		12,784
Allen Creek Road	Denton Trail	Jacksonville Hwy	238,216	28,083	1,083	70,292	12,650	36,740	39,820	46,875
New Road	Schutzwohl Lane	GI Lane	335,668	39,572	1,527	99,047	17,825	51,770	56,110	66,051
South Union Road Extension	Terminus	New Schutzwohl-GI Ln. Road	121,274	14,297	552	35,785	6,440	18,704	20,272	23,864
Ringuette Road Extension	Redwood Highway	Union Avenue	38,981	4,595	177	11,502	2,070	6,012		7,670
GI Lane Extension	Harbeck Road	Grandview Avenue	259,872	30,636	1,182	76,682	13,800	40,080		51,136
Cloverlawn Drive Extension	Hamilton Lane	Rogue River Hwy	675,667	79,655	3,073	199,373	35,880	104,208	112,944	
		Grand								
		Grand T								

Alternative 8 Construction Projects

Non-Costable

Facility	Limits From	Limits To	Signage	Wheelchair Ramps #		Comm. Driveway Ft		GP Traffic Signal #		ODOT Traffic Signal #		Wetland Mitigation
Fourth Bridge	Flower Lane	Lincoln Road/Foundry St.			0		0		0		0	
Flower Lane	Redwood Highway	New Bridge	695	16	3,632		0	1	168,700	1	247,500	
Lincoln Road	New Bridge	Terminus	386		0		0		0		0	
Lincoln Road	Terminus	G Street	2,576	24	5,448		0	1	168,700		0	
G Street	Lincoln Road	Foundry St.	3,542	36	6,172		0		0		0	
Foundry Street	F Street	Lincoln Road	3,439	8	1,816		0		0		0	
Morgan Lane Extension	Mogan Lane Terminus	Lincoln Rd./Foundry St.	6,955	4	908		0	1	168,700		0	
I-5 Northbound On-Ramp	Scoville Road	I-5	2,705	2	454		0		0	1	247,500	
New Service Road	Hillcrest Drive	Greenfield Road	1,095	4	908		0		0		0	
		Su										
Tier Two Projects		Subt										
Morgan Lane Extension	Mogan Lane Terminus	B Street	3,864	4	908		0		0		0	
Midland Avenue	7th Street	9th Street	515	8	1,816		0		0	1	247,500	
Beacon Drive	Madrone Street	Heritage Drive	219	4	908		0		0		0	
9th Street	Wharton Street	A Street			0		0		0		0	
Dimmick Street	Foundry Street	F Street	129	16	3,632		0		0		0	
Lincoln Road @ Lower River Rd	Intersection Improvements			6	1,362		0	1	168,700		0	
Susan Lane Extension	Terminus	Cottonwood Street	526	4	908		0		0		0	
New Road	Bridge Street	Susan Lane	708	10	2,270		0		0		0	
Agness Avenue Extension	Terminus	N Street	644	4	908		0		0		0	
Ament Dam Road Extension	Shannon Lane	Agness Avenue Extension	1,030	8	1,816		0		0		0	
New Road	Dameille Lane	Leonard Road	2,151	20	4,540		0		0		0	
New Road	Hubbard Lane	Leonard Road	2,589	24	5,448		0		0		0	
New Road	Leonard Road	New Hubbard-Leonard connection	902	16	3,632		0		0		0	
New Road	Ray Dean Drive	New Hubbard-Leonard connection	902	12	2,724		0		0		0	
New Road	West Harbeck Road	Dowell Road	2,576	12	2,724		0		0		0	
New Road	Schutzwohl Lane	New W Harbeck-Dowell Rd.	386	4	908		0		0		0	
Allen Creek Road	Denton Trail	Jacksonville Hwy	1,417	16	3,632		0		0		0	
New Road	Schutzwohl Lane	Gl Lane	1,996	12	2,724		0		0	1	247,500	
South Union Road Extension	Terminus	New Schutzwohl-Gl Ln. Road	721	20	4,540		0		0		0	
Ringuette Road Extension	Redwood Highway	Union Avenue	232	12	2,724		0		0	1	247,500	
Gl Lane Extension	Harbeck Road	Grandview Avenue	1,545	16	3,632		0		0		0	
Cloverlawn Drive Extension	Hamilton Lane	Rogue River Hwy	4,018	18	4,086		0	1	168,700	1	247,500	
		Grand										
		Grand T										

Alternat 8 Construction Projects

Facility	Limits From	Limits To	Ons At-Grade RR Crossing	Bridge/Structure LF	Bridge/Structure Cost	SUBTOTAL	20% for D,CM, & Permits	GRAND TOTAL
Fourth Bridge	Flower Lane	Lincoln Road/Foundry St.		960	11,280,000	11,280,000	2,707,200	13,987,200
Flower Lane	Redwood Highway	New Bridge				830,312	199,275	1,029,587
Lincoln Road	New Bridge	Terminus				262,063	62,895	324,958
Lincoln Road	Terminus	G Street				1,694,445	406,667	2,101,111
G Street	Lincoln Road	Foundry St.				2,098,580	503,659	2,602,239
Foundry Street	F Street	Lincoln Road	500,000	100	160,000	2,691,412	645,939	3,337,351
Morgan Lane Extension	Mogan Lane Terminus	Lincoln Rd./Foundry St.		200	320,000	4,698,089	1,127,541	5,825,630
I-5 Northbound On-Ramp	Scoville Road	I-5				1,465,402	351,696	1,817,098
New Service Road	Hillcrest Drive	Greenfield Road		100	160,000	807,034	193,688	1,000,722
		Su					Subtotal w/ G Street	32,025,898
Tier Two Projects		Subt					Subtotal w/o G Street	29,423,659
Morgan Lane Extension	Mogan Lane Terminus	B Street		200	320,000	2,550,353	612,085	3,162,438
Midland Avenue	7th Street	9th Street				553,375	132,810	686,185
Beacon Drive	Madrone Street	Heritage Drive				130,133	31,232	161,365
9th Street	Wharton Street	A Street				6,390	1,534	7,924
Dimmick Street	Foundry Street	F Street	500,000			579,647	139,115	718,762
Lincoln Road @ Lower River Rd	Intersection Improvements					170,062	40,815	210,877
Susan Lane Extension	Terminus	Cottonwood Street				297,727	71,454	369,181
New Road	Bridge Street	Susan Lane				400,442	96,106	496,548
Agness Avenue Extension	Terminus	N Street	500,000			859,675	206,322	1,065,997
Ament Dam Road Extension	Shannon Lane	Agness Avenue Extension				575,844	138,203	714,046
New Road	Dameille Lane	Leonard Road				1,213,534	291,248	1,504,782
New Road	Hubbard Lane	Leonard Road		200	320,000	1,780,584	427,340	2,207,924
New Road	Leonard Road	New Hubbard-Leonard connection				510,396	122,495	632,891
New Road	Ray Dean Drive	New Hubbard-Leonard connection				509,488	122,277	631,765
New Road	West Harbeck Road	Dowell Road				1,450,621	348,149	1,798,770
New Road	Schutzwohl Lane	New W Harbeck-Dowell Rd.				218,093	52,342	270,435
Allen Creek Road	Denton Trail	Jacksonville Hwy		100	160,000	999,795	239,951	1,239,746
New Road	Schutzwohl Lane	GI Lane				1,428,454	342,829	1,771,283
South Union Road Extension	Terminus	New Schutzwohl-GI Ln. Road				430,223	103,254	533,477
Ringuette Road Extension	Redwood Highway	Union Avenue				380,535	91,328	471,863
GI Lane Extension	Harbeck Road	Grandview Avenue				872,370	209,369	1,081,739
Cloverlawn Drive Extension	Hamilton Lane	Rogue River Hwy		200	320,000	2,978,994	714,959	3,693,953
							Subtotal	20,269,512
		Grand					Subtotal w/ G Street	52,295,410
		Grand T					Subtotal w/o G Street	49,693,171

Tier Two Construction Projects Only

Facility	Limits From	Limits To	Length (mi)	GRAND TOTAL	Notes
Morgan Lane Extension	Mogan Lane Terminus	B Street	1.14	3,162,438	Extensive grading work required (2x cost), likely to have 2 stream crossings
Midland Avenue	7th Street	9th Street	0.15	686,185	Study suggests that improvement is not recommended, offset intersection
Beacon Drive	Madrone Street	Heritage Drive	0.06	161,365	Improve neighborhood circulation, provide new access to north of I-5
9th Street	Wharton Street	A Street	0.04	7,924	Vacate roadway to allow for High School expansion
Dimmick Street	Foundry Street	F Street	0.04	718,762	More efficient circulation and emergency access, 1 railroad crossing
Lincoln Road @ Lower River Rd	Intersection Improvements			210,877	Increase efficiency and safety, exact improvements unknown
Susan Lane Extension	Terminus	Cottonwood Street	0.16	369,181	New access for future school project
New Road	Bridge Street	Susan Lane	0.21	496,548	New access for future school project
Agness Avenue Extension	Terminus	N Street	0.19	1,065,997	More efficient circulation and emergency access, 1 railroad crossing
Ament Dam Road Extension	Shannon Lane	Agness Avenue Extension	0.30	714,046	More efficient circulation and emergency access
New Road	Damelle Lane	Leonard Road	0.63	1,504,782	New collector road to support future development, encroaches on housing
New Road	Hubbard Lane	Leonard Road	0.76	2,207,924	New collector road, part is constructed, canal crossing
New Road	Leonard Road	New Hubbard-Leonard connection	0.27	632,891	New collector road to support future development in the area
New Road	Ray Dean Drive	New Hubbard-Leonard connection	0.27	631,765	New collector road to support future development in the area
New Road	West Harbeck Road	Dowell Road	0.76	1,798,770	New collector road to support future development in the area
New Road	Schutzwohl Lane	New W Harbeck-Dowell Rd.	0.11	270,435	New collector road to support future development in the area
Allen Creek Road	Denton Trail	Jacksonville Hwy	0.42	1,239,746	Reduces congestion on Jacksonville Highway, crosses creek, housing
New Road	Schutzwohl Lane	GI Lane	0.59	1,771,283	More efficient circulation and emergency access, housing on Jack. Hwy
South Union Road Extension	Terminus	New Schutzwohl-GI Ln. Road	0.21	533,477	More efficient circulation and emergency access
Ringuette Road Extension	Redwood Highway	Union Avenue	0.07	471,863	More efficient circulation and emergency access
GI Lane Extension	Harbeck Road	Grandview Avenue	0.45	1,081,739	More efficient circulation
Cloverlawn Drive Extension	Hamilton Lane	Rogue River Hwy	1.18	3,693,953	New road would support future growth, 2 creek crossings
			Grand Total	20,269,512	

Tier Two Construction Projects Only

Facility	Limits From	Limits To	Lanes	Lane Miles	Location	ROW	Asphalt	Subgrade	Excavation
Morgan Lane Extension	Mogan Lane Terminus	B Street	2	2.27	City	723,870	115,200	87,840	115,200
Midland Avenue	7th Street	9th Street	2	0.30	City	96,516	15,360	11,712	7,680
Beacon Drive	Madrone Street	Heritage Drive	2	0.13	City	41,019	6,528	4,978	3,264
9th Street	Wharton Street	A Street	2	0.08	City				
Dimmick Street	Foundry Street	F Street	2	0.08	City	24,129	3,840	2,928	1,920
Lincoln Road @ Lower River Rd	Intersection Improvements			0.00	UGB				
Susan Lane Extension	Terminus	Cottonwood Street	2	0.31	UGB	98,929	15,744	12,005	7,872
New Road	Bridge Street	Susan Lane	2	0.42	UGB	132,710	21,120	16,104	10,560
Agness Avenue Extension	Terminus	N Street	2	0.38	UGB	120,645	19,200	14,640	9,600
Ament Dam Road Extension	Shannon Lane	Agness Avenue Extension	2	0.61	UGB	193,032	30,720	23,424	15,360
New Road	Damelle Lane	Leonard Road	2	1.27	UGB	402,955	64,128	48,898	32,064
New Road	Hubbard Lane	Leonard Road	2	1.52	UGB	484,993	77,184	58,853	38,592
New Road	Leonard Road	New Hubbard-Leonard connection	2	0.53	UGB	168,903	26,880	20,496	13,440
New Road	Ray Dean Drive	New Hubbard-Leonard connection	2	0.53	UGB	168,903	26,880	20,496	13,440
New Road	West Harbeck Road	Dowell Road	2	1.52	UGB	482,580	76,800	58,560	38,400
New Road	Schutzwohl Lane	New W Harbeck-Dowell Rd.	2	0.23	UGB	72,387	11,520	8,784	5,760
Allen Creek Road	Denton Trail	Jacksonville Hwy	2	0.83	UGB	265,419	42,240	32,208	21,120
New Road	Schutzwohl Lane	GI Lane	2	1.17	City	374,000	59,520	45,384	29,760
South Union Road Extension	Terminus	New Schutzwohl-GI Ln. Road	2	0.42	City	135,122	21,504	16,397	10,752
Ringuette Road Extension	Redwood Highway	Union Avenue	2	0.14	City	43,432	6,912	5,270	3,456
GI Lane Extension	Harbeck Road	Grandview Avenue	2	0.91	City	289,548	46,080	35,136	23,040
Cloverlawn Drive Extension	Hamilton Lane	Rogue River Hwy	2	2.36	UGB	752,825	119,808	91,354	59,904

Tier Two Construction Projects Only

Facility	Limits From	Limits To	Storm Drainage	Channelization	Striping	Landscaping	Curb & Gutter	5' Sidewalk	5' Bike lane	Street Lighting
Morgan Lane Extension	Mogan Lane Terminus	B Street	649,680	76,591	2,955	191,705	34,500	100,200		127,841
Midland Avenue	7th Street	9th Street	86,624	10,212	394	25,561	4,600	13,360	14,480	17,045
Beacon Drive	Madrone Street	Heritage Drive	36,815	4,340	167	10,863	1,955	5,678	6,154	7,244
9th Street	Wharton Street	A Street				6,390				
Dimmick Street	Foundry Street	F Street	21,656	2,553	98	6,390	1,150	3,340	3,620	4,261
Lincoln Road @ Lower River Rd	Intersection Improvements									
Susan Lane Extension	Terminus	Cottonwood Street	88,790	10,467	404	26,200	4,715	13,694		17,472
New Road	Bridge Street	Susan Lane	119,108	14,042	542	35,146	6,325	18,370		23,438
Agness Avenue Extension	Terminus	N Street	108,280	12,765	492	31,951	5,750	18,700	18,100	
Ament Dam Road Extension	Shannon Lane	Agness Avenue Extension	173,248	20,424	788	51,121	9,200	26,720	28,960	
New Road	Damelle Lane	Leonard Road	361,655	42,636	1,645	106,716	19,205	55,778		71,165
New Road	Hubbard Lane	Leonard Road	435,286	51,316	1,980	128,442	23,115	67,134		85,653
New Road	Leonard Road	New Hubbard-Leonard connection	151,592	17,871	689	44,731	8,050	23,380		29,830
New Road	Ray Dean Drive	New Hubbard-Leonard connection	151,592	17,871	689	44,731	8,050	23,380		29,830
New Road	West Harbeck Road	Dowell Road	433,120	51,061	1,970	127,803	23,000	66,800		85,227
New Road	Schutzwohl Lane	New W Harbeck-Dowell Rd.	64,968	7,659	295	19,170	3,450	10,020		12,784
Allen Creek Road	Denton Trail	Jacksonville Hwy	238,216	28,083	1,083	70,292	12,650	36,740	39,820	46,875
New Road	Schutzwohl Lane	GI Lane	335,668	39,572	1,527	99,047	17,825	51,770	56,110	66,051
South Union Road Extension	Terminus	New Schutzwohl-GI Ln. Road	121,274	14,297	552	35,785	6,440	18,704	20,272	23,864
Ringuette Road Extension	Redwood Highway	Union Avenue	38,981	4,595	177	11,502	2,070	6,012		7,670
GI Lane Extension	Harbeck Road	Grandview Avenue	259,872	30,636	1,182	76,682	13,800	40,080		51,136
Cloverlawn Drive Extension	Hamilton Lane	Rogue River Hwy	675,667	79,655	3,073	199,373	35,880	104,208	112,944	

Tier Two Construction Projects Only

Non-Costable

	* Limits			Wheelchair Ramps		Comm. Driveway		GP Traffic Signal		ODOT Traffic Signal		Wetland
Facility	From	To	Signage	#		Ft		#		#		Mitigation
Morgan Lane Extension	Mogan Lane Terminus	B Street	3,864	4	908		0		0		0	
Midland Avenue	7th Street	9th Street	515	8	1,816		0		0	1	247,500	
Beacon Drive	Madrone Street	Heritage Drive	219	4	908		0		0		0	
9th Street	Wharton Street	A Street			0		0		0		0	
Dimmick Street	Foundry Street	F Street	129	16	3,632		0		0		0	
Lincoln Road @ Lower River Rd	Intersection Improvements			6	1,362		0	1	168,700		0	
Susan Lane Extension	Terminus	Cottonwood Street	528	4	908		0		0		0	
New Road	Bridge Street	Susan Lane	708	10	2,270		0		0		0	
Agness Avenue Extension	Terminus	N Street	644	4	908		0		0		0	
Ament Dam Road Extension	Shannon Lane	Agness Avenue Extension	1,030	8	1,816		0		0		0	
New Road	Damelle Lane	Leonard Road	2,151	20	4,540		0		0		0	
New Road	Hubbard Lane	Leonard Road	2,589	24	5,448		0		0		0	
New Road	Leonard Road	New Hubbard-Leonard connection	902	16	3,632		0		0		0	
New Road	Ray Dean Drive	New Hubbard-Leonard connection	902	12	2,724		0		0		0	
New Road	West Harbeck Road	Dowell Road	2,576	12	2,724		0		0		0	
New Road	Schutzwohl Lane	New W Harbeck-Dowell Rd.	386	4	908		0		0		0	
Allen Creek Road	Denton Trail	Jacksonville Hwy	1,417	16	3,632		0		0		0	
New Road	Schutzwohl Lane	GI Lane	1,996	12	2,724		0		0	1	247,500	
South Union Road Extension	Terminus	New Schutzwohl-GI Ln. Road	721	20	4,540		0		0		0	
Ringuette Road Extension	Redwood Highway	Union Avenue	232	12	2,724		0		0	1	247,500	
GI Lane Extension	Harbeck Road	Grandview Avenue	1,545	16	3,632		0		0		0	
Cloverlawn Drive Extension	Hamilton Lane	Rogue River Hwy	4,018	18	4,086		0	1	168,700	1	247,500	

Tier Two Construction Projects Only

Facility	Limits From	Limits To	dd-Ons At-Grade RR Crossing	Bridge/Structure LF	Bridge/Structure Cost	SUBTOTAL	20% for D,CM, & Permits	GRAND TOTAL
Morgan Lane Extension	Mogan Lane Terminus	B Street		200	320,000	2,550,353	612,085	3,162,438
Midland Avenue	7th Street	9th Street				553,375	132,810	686,185
Beacon Drive	Madrone Street	Heritage Drive				130,133	31,232	161,365
9th Street	Wharton Street	A Street				6,390	1,534	7,924
Dimmick Street	Foundry Street	F Street	500,000			579,647	139,115	718,762
Lincoln Road @ Lower River Rd	Intersection Improvements					170,062	40,815	210,877
Susan Lane Extension	Terminus	Cottonwood Street				297,727	71,454	369,181
New Road	Bridge Street	Susan Lane				400,442	96,106	496,548
Agness Avenue Extension	Terminus	N Street	500,000			859,675	206,322	1,065,997
Ament Dam Road Extension	Shannon Lane	Agness Avenue Extension				575,844	138,203	714,046
New Road	Damellie Lane	Leonard Road				1,213,534	291,248	1,504,782
New Road	Hubbard Lane	Leonard Road		200	320,000	1,780,584	427,340	2,207,924
New Road	Leonard Road	New Hubbard-Leonard connection				510,396	122,495	632,891
New Road	Ray Dean Drive	New Hubbard-Leonard connection				509,488	122,277	631,765
New Road	West Harbeck Road	Dowell Road				1,450,621	348,149	1,798,770
New Road	Schutzwohl Lane	New W Harbeck-Dowell Rd.				218,093	52,342	270,435
Allen Creek Road	Denton Trail	Jacksonville Hwy		100	160,000	999,795	239,951	1,239,746
New Road	Schutzwohl Lane	GI Lane				1,428,454	342,829	1,771,283
South Union Road Extension	Terminus	New Schutzwohl-GI Ln. Road				430,223	103,254	533,477
Ringuette Road Extension	Redwood Highway	Union Avenue				380,535	91,328	471,863
GI Lane Extension	Harbeck Road	Grandview Avenue				872,370	209,369	1,081,739
Cloverlawn Drive Extension	Hamilton Lane	Rogue River Hwy		200	320,000	2,978,994	714,959	3,693,953
							Subtotal	20,269,512