

# Appendix F – Roadway Capacity and Volume

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The following pages show capacity and volume numbers for 2000, the 2035 no-build scenario, and the 2035 build scenario.

## CMS Streets: Volume and Service Level Comparison 2000-2035

Segments <small>(Listed in order by intersection)</small>	NO BUILD						BUILD			
	Volume	Service Level	Forecasted Volume	Service Level	Service Level	Volume %Change	Forecasted Volume	Service Level	Service Level	Volume %Change
	2000	2000	2035	2035	2035	2000-2035	2035	2035	2035	2000-2035
<b>US 160 (West Bypass)</b>										
Willey to Hunt	9,274	LOS A,B,C	14,265	1.09	LOS E	53.82%	29,900	0.86	LOS E	222.41%
Hunt to Farm Road 94	8,178	LOS A,B,C	11,695	0.87	LOS E	43.01%	26,856	0.79	LOS D	228.39%
Farm Road 94 to I-44	13,014	LOS E	12,915	1.31	LOS E	-0.76%	33,810	1.25	LOS E	159.80%
I-44 to Division	7,737	LOS E	24,576	0.76	LOS A,B,C	217.64%	29,950	1.05	LOS E	287.10%
Division to Chestnut	6,392	LOS E	31,902	0.96	LOS E	399.09%	28,856	0.92	LOS E	351.44%
Chestnut to Mount Vernon	31,342	LOS D	43,150	1.23	LOS E	37.67%	39,194	1.13	LOS E	25.05%
Mount Vernon to Grand	34,314	LOS E	45,841	1.31	LOS E	33.59%	40,811	1.18	LOS E	18.93%
Grand to Sunshine	35,299	LOS E	50,684	1.51	LOS E	43.58%	42,939	1.27	LOS E	21.64%
Sunshine to Farm Road 123	15,127	LOS A,B,C	35,478	1.1	LOS E	134.53%	33,171	1.01	LOS E	119.28%
Farm Road 123 to Battlefield	16,556	LOS A,B,C	44,081	1.33	LOS E	166.25%	40,688	1.22	LOS E	145.76%
Battlefield to James River Freeway	17,819	LOS A,B,C	47,471	1.49	LOS E	166.41%	45,503	1.39	LOS E	155.36%
<b>MO 13 (Kansas Expressway)</b>										
SH WW to HWY O	12,128	LOS A,B,C	12,055	0.48	LOS A,B,C	-0.60%	11,986	0.44	LOS A,B,C	-1.17%
HWY O to Farm Road 94	15,652	LOS A,B,C	19,430	0.78	LOS D	24.14%	15,343	0.61	LOS A,B,C	-1.97%
Farm Road 94 to I-44	19,327	LOS A,B,C	32,839	0.96	LOS E	69.91%	28,437	0.8	LOS D	47.14%
I-44 to Kearney	22,273	LOS A,B,C	26,062	0.91	LOS E	17.01%	26,987	0.95	LOS E	21.16%
Kearney to Division	34,793	LOS E	35,572	1.11	LOS E	2.24%	34,725	1.09	LOS E	-0.20%
Division to Chestnut	36,455	LOS E	35,372	1.13	LOS E	-2.97%	34,794	1.08	LOS E	-4.56%
Chestnut to College	37,877	LOS E	42,132	1.71	LOS E	11.23%	41,049	1.65	LOS E	8.37%
College to Mount Vernon	34,060	LOS E	39,392	1.26	LOS E	15.65%	37,932	1.21	LOS E	11.37%
Mount Vernon to Grand	29,734	LOS E	32,503	1.04	LOS E	9.31%	31,342	1.01	LOS E	5.41%
Grand to Bennett	38,922	LOS E	41,069	1.32	LOS E	5.52%	40,290	1.28	LOS E	3.51%
Bennett to Sunshine	36,901	LOS E	36,557	1.21	LOS E	-0.93%	35,818	1.15	LOS E	-2.93%
Sunshine to Battlefield	36,994	LOS E	45,972	1.54	LOS E	24.27%	44,868	1.5	LOS E	21.28%
Battlefield to Walnut Lawn	25,894	LOS D	36,110	1.3	LOS E	39.45%	35,256	1.28	LOS E	36.16%
Walnut Lawn to James River Freeway	21,594	LOS A,B,C	34,711	1.3	LOS E	60.74%	33,172	1.25	LOS E	53.62%
<b>Campbell</b>										
Sunshine to Sunset	28,809	LOS E	39,977	1.43	LOS E	38.77%	38,763	1.39	LOS E	34.55%

Sunset to Battlefield	32,289	LOS E	38,677	1.37	LOS E	19.78%	37,938	1.35	LOS E	17.50%
Battlefield to Walnut Lawn	29,268	LOS E	38,951	1.33	LOS E	33.08%	37,759	1.29	LOS E	29.01%
Walnut Lawn to Primrose	28,034	LOS E	42,290	1.38	LOS E	50.85%	40,349	1.31	LOS E	43.93%
Primrose to James River Freeway	37,859	LOS E	56,594	1.96	LOS E	49.49%	56,151	1.96	LOS E	48.32%
James River Freeway to Farm Road 178	46,694	LOS E	86,082	2.04	LOS E	84.35%	83,202	1.97	LOS E	78.19%

### US 160

Farm Road 178 to SH CC	52,821	LOS E	89,237	3.66	LOS E	68.94%	94,940	2.99	LOS E	79.74%
SH CC to Tracker	48,800	LOS E	35,954	1.43	LOS E	-26.32%	45,580	1.37	LOS E	-6.60%
Tracker to SH 14	26,746	LOS A,B,C	34,780	1.11	LOS E	30.04%	40,653	0.93	LOS E	52.00%
SH 14 to MPO Boundary	11,147	LOS E	17,062	1.37	LOS E	53.06%	28,925	0.91	LOS E	159.49%

### National

I-44 to Kearney	10,238	LOS E	10,031	1.07	LOS E	-2.02%	9,717	1.05	LOS E	-5.09%
Kearney to Commercial	24,405	LOS D	35,521	1.19	LOS E	45.55%	34,785	1.16	LOS E	42.53%
Commercial to Division	23,126	LOS A,B,C	26,072	0.87	LOS E	12.74%	25,780	0.85	LOS D	11.48%
Division to Chestnut	31,081	LOS E	35,467	1.17	LOS E	14.11%	34,514	1.15	LOS E	11.05%
Chestnut to Walnut	25,517	LOS E	33,231	1.36	LOS E	30.23%	31,628	1.3	LOS E	23.95%
Walnut to Grand	23,093	LOS E	31,652	1.41	LOS E	37.06%	30,719	1.37	LOS E	33.02%
Grand to Sunshine	28,893	LOS E	31,689	1.04	LOS E	9.68%	32,058	1.05	LOS E	10.95%
Sunshine to Seminole	26,300	LOS E	36,408	1.29	LOS E	38.43%	35,342	1.26	LOS E	34.38%
Seminole to Sunset	23,636	LOS E	31,330	1.53	LOS E	32.55%	30,252	1.48	LOS E	27.99%
Sunset to Battlefield	28,670	LOS E	41,544	1.33	LOS E	44.90%	41,009	1.32	LOS E	43.04%
Battlefield to Primrose	30,309	LOS E	56,631	1.26	LOS E	86.85%	56,128	1.26	LOS E	85.19%
Primrose to James River Freeway	40,794	LOS E	84,408	1.99	LOS E	106.91%	85,408	2.03	LOS E	109.36%

### Glenstone

I-44 to Kearney	29,032	LOS E	42,257	1.57	LOS E	45.55%	43,952	1.61	LOS E	51.39%
Kearney to Commercial	30,781	LOS E	36,737	1.22	LOS E	19.35%	36,102	1.19	LOS E	17.29%
Commercial to Division	31,838	LOS E	32,099	1.09	LOS E	0.82%	31,178	1.06	LOS E	-2.07%
Division to Chestnut	31,711	LOS E	33,962	1.18	LOS E	7.10%	32,716	1.13	LOS E	3.17%
Chestnut to St. Louis	31,142	LOS E	32,611	1.15	LOS E	4.72%	32,187	1.13	LOS E	3.36%
St. Louis to Cherry	33,901	LOS E	38,346	1.37	LOS E	13.11%	37,536	1.34	LOS E	10.72%
Cherry to Grand	38,305	LOS E	37,779	1.31	LOS E	-1.37%	37,164	1.28	LOS E	-2.98%
Grand to Sunshine	37,759	LOS E	34,169	1.2	LOS E	-9.51%	33,608	1.17	LOS E	-10.99%
Sunshine to Seminole	36,317	LOS E	33,551	1.15	LOS E	-7.62%	33,700	1.14	LOS E	-7.21%
Seminole to Sunset	47,668	LOS E	43,730	1.46	LOS E	-8.26%	43,536	1.44	LOS E	-8.67%
Sunset to Battlefield	37,140	LOS E	40,490	1.34	LOS E	9.02%	39,680	1.28	LOS E	6.84%

Battlefield to Primrose	39,234	LOS E	43,945	1.49	LOS E	12.01%	43,056	1.44	LOS E	9.74%
Primrose to James River Freeway	26,313	LOS E	66,302	1.61	LOS E	151.97%	65,734	1.57	LOS E	149.82%

#### US 65

SH KK to SH C	11,545	LOS E	11,464	0.33	LOS A,B,C	-0.70%	11,501	0.33	LOS A,B,C	-0.38%
SH C to Farm Road 94	9,715	LOS E	12,153	0.35	LOS A,B,C	25.10%	12,277	0.36	LOS A,B,C	26.37%
Farm Road 94 to I-44	12,227	LOS E	16,522	0.49	LOS A,B,C	35.13%	16,646	0.49	LOS A,B,C	36.14%
I-44 to Kearney	20,048	LOS A,B,C	32,223	0.64	LOS A,B,C	60.73%	31,561	0.62	LOS A,B,C	57.43%
Kearney to Division	27,596	LOS E	49,106	0.97	LOS E	77.95%	47,073	0.93	LOS E	70.58%
Division to Chestnut	33,121	LOS E	55,073	1.09	LOS E	66.28%	53,355	1.05	LOS E	61.09%
Chestnut to Sunshine	36,777	LOS A,B,C	64,562	1.28	LOS E	75.55%	62,860	1.24	LOS E	70.92%
Sunshine to Battlefield	33,475	LOS E	66,918	1.32	LOS E	99.90%	66,450	1.31	LOS E	98.51%
Battlefield to James River Freeway	27,866	LOS D	69,045	1.36	LOS E	147.78%	69,026	1.36	LOS E	147.71%
James River Freeway to SH CC	31,934	LOS A,B,C	68,803	2.04	LOS E	115.45%	79,693	1.57	LOS E	149.56%
SH CC to SH 14	19,799	LOS A,B,C	48,966	1.45	LOS E	147.32%	56,685	1.12	LOS E	186.30%
SH 14 to MPO boundary (Riverdale)	14,624	LOS A,B,C	35,995	1.07	LOS E	146.14%	40,919	1.21	LOS E	179.81%

#### I-44

Farm Road 249 to SH 125	4,054	LOS A,B,C	17,243	0.51	LOS A,B,C	325.33%	17,243	0.51	LOS A,B,C	325.33%
SH 125 to Mulroy	19,509	LOS A,B,C	21,421	0.63	LOS A,B,C	9.80%	21,268	0.63	LOS A,B,C	9.02%
Mulroy to US 65	22,415	LOS A,B,C	24,245	0.72	LOS A,B,C	8.16%	23,769	0.7	LOS A,B,C	6.04%
US 65 to Glenstone	19,228	LOS A,B,C	29,706	0.88	LOS E	54.49%	28,594	0.85	LOS D	48.71%
Glenstone to Kansas Expressway	18,112	LOS D	32,549	0.96	LOS E	79.71%	32,620	0.97	LOS E	80.10%
Kansas Expressway to West Bypass	13,307	LOS A,B,C	25,036	0.74	LOS A,B,C	88.14%	28,222	0.84	LOS D	112.08%
West Bypass to Chestnut and SH EE	10,789	LOS A,B,C	18,895	0.56	LOS A,B,C	75.13%	23,543	0.7	LOS A,B,C	118.21%
Chestnut to James River Freeway	14,419	LOS A,B,C	15,236	0.56	LOS A,B,C	5.67%	21,024	0.78	LOS D	45.81%

#### James River Freeway

I-44 to Sunshine	6,481	LOS A,B,C	10,393	0.31	LOS A,B,C	60.36%	12,509	0.37	LOS A,B,C	93.01%
Sunshine to West Bypass	13,164	LOS A,B,C	23,605	0.7	LOS A,B,C	79.31%	20,212	0.6	LOS A,B,C	53.54%
West Bypass to Kansas Expressway	15,829	LOS A,B,C	31,068	0.92	LOS E	96.27%	32,845	0.97	LOS E	107.50%
Kansas Expressway to Campbell	21,507	LOS A,B,C	36,829	1.09	LOS E	71.24%	40,197	0.79	LOS D	86.90%
Campbell to National	24,392	LOS A,B,C	42,906	1.06	LOS E	75.90%	46,628	0.92	LOS E	91.16%
National to Glenstone	19,022	LOS A,B,C	39,001	1.16	LOS E	105.03%	47,050	0.93	LOS E	147.35%
Glenstone to US 65	30,447	LOS A,B,C	52,086	1.29	LOS E	71.07%	57,428	1.13	LOS E	88.62%

#### James River Freeway (US 60 - East)

US 65 to SH J	29,848	LOS E	51,157	2.14	LOS E	71.39%	43,941	1.9	LOS E	47.22%
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SH J to SH 125	24,446	LOS E	33,380	1.35	LOS E	36.55%	30,243	1.18	LOS E	23.71%
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### US 60 (West)

Farm Road 194 to Miller	12,974	LOS A,B,C	24,922	1.06	LOS E	92.09%	16,723	1.06	LOS E	28.90%
Miller to Main	13,243	LOS A,B,C	22,800	0.79	LOS D	72.17%	14,766	0.56	LOS A,B,C	11.50%
Main to Hines	25,268	LOS D	38,456	1.31	LOS E	52.19%	37,623	1.35	LOS E	48.90%
Hines to SH M	33,780	LOS E	53,617	1.68	LOS E	58.72%	55,722	1.74	LOS E	64.96%
SH M to James River Freeway	35,518	LOS E	65,200	1.96	LOS E	83.57%	67,569	1.64	LOS E	90.24%

### Battlefield

Blackman to US 65	19,422	LOS A,B,C	28,024	0.98	LOS E	44.29%	27,409	0.96	LOS E	41.12%
US 65 to Glenstone	29,663	LOS E	45,113	1.51	LOS E	52.09%	44,166	1.47	LOS E	48.89%
Glenstone to National	32,246	LOS E	30,730	1.38	LOS E	-4.70%	28,965	1.36	LOS E	-10.17%
National to Campbell	28,040	LOS E	32,846	1.14	LOS E	17.14%	31,807	1.09	LOS E	13.43%
Campbell to Kansas Expressway	24,492	LOS D	34,810	1.24	LOS E	42.13%	33,127	1.21	LOS E	35.26%
Kansas Expressway to Scenic	15,846	LOS A,B,C	40,216	1.49	LOS E	153.79%	40,241	1.5	LOS E	153.95%
Scenic to West Bypass	8,958	LOS A,B,C	19,889	0.73	LOS A,B,C	122.03%	23,002	0.81	LOS D	156.78%

### Sunshine

James River Freeway to US 160	27,470	LOS A,B,C	52,229	1.56	LOS E	90.13%	43,879	1.36	LOS E	59.73%
US 160 to Kansas Expressway	36,319	LOS E	42,184	1.5	LOS E	16.15%	39,253	1.39	LOS E	8.08%
Kansas Expressway to Campbell	24,993	LOS D	27,212	0.92	LOS E	8.88%	26,768	0.94	LOS E	7.10%
Campbell to National	30,585	LOS E	29,554	1.06	LOS E	-3.37%	28,697	1.03	LOS E	-6.17%
National to Glenstone	28,624	LOS E	36,045	1.27	LOS E	25.93%	35,278	1.25	LOS E	23.25%
Glenstone to US 65	26,520	LOS E	38,909	1.72	LOS E	46.72%	38,730	1.68	LOS E	46.04%
US 65 to Blackman	19,422	LOS A,B,C	30,327	1.04	LOS E	56.15%	29,920	1.03	LOS E	54.05%

### Chestnut Expressway

Farm Road 185 to US 65	3,135	LOS A,B,C	5,826	0.65	LOS A,B,C	85.84%	5,630	0.63	LOS A,B,C	79.59%
US 65 to Glenstone	27,205	LOS D	41,473	1.52	LOS E	52.45%	41,406	1.51	LOS E	52.20%
Glenstone to National	36,019	LOS E	33,575	1.04	LOS E	-6.79%	33,395	1.04	LOS E	-7.29%
National to Campbell	28,846	LOS E	28,654	1.13	LOS E	-0.67%	28,524	1.13	LOS E	-1.12%
Campbell to Kansas Expressway	33,432	LOS E	33,686	1.13	LOS E	0.76%	33,272	1.14	LOS E	-0.48%
Kansas Expressway to West Bypass	37,574	LOS E	32,674	1.09	LOS E	-13.04%	32,514	1.09	LOS E	-13.47%
West Bypass to I-44	21,276	LOS E	25,856	2.24	LOS E	21.53%	22,830	1.68	LOS E	7.30%

### Kearney

General Aviation to West Bypass	5,025	LOS A,B,C	15,573	0.83	LOS D	209.91%	7,749	0.82	LOS D	54.21%
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West Bypass to Kansas Expressway	11,963	LOS A,B,C	26,528	0.89	LOS E	121.75%	24,403	0.84	LOS D	103.99%
Kansas Expressway to Grant	17,270	LOS A,B,C	25,013	0.84	LOS D	44.83%	23,964	0.83	LOS D	38.76%
Grant to National	22,315	LOS A,B,C	27,421	0.95	LOS E	22.88%	27,150	0.95	LOS E	21.67%
National to Glenstone	25,356	LOS D	30,904	1.12	LOS E	21.88%	29,563	1.08	LOS E	16.59%
Glenstone to US 65	23,543	LOS A,B,C	45,203	1.66	LOS E	92.00%	45,231	1.68	LOS E	92.12%
US 65 to Farm Road 199	4,397	LOS A,B,C	25,974	1.4	LOS E	490.72%	25,977	1.37	LOS E	490.79%
Farm Road 199 to I-44	5,006	LOS A,B,C	11,745	1.21	LOS E	134.62%	11,059	1.14	LOS E	120.91%

#### State Highway 14

East MPO boundary to SH JJ	6,320	LOS E	4,104	0.62	LOS A,B,C	-35.06%	4,330	0.63	LOS A,B,C	-31.49%
SH JJ to US 65	15,193	LOS E	41,880	3.14	LOS E	175.65%	72,194	2.08	LOS E	375.18%
US 65 to US 160 (Campbell)	9,933	LOS A,B,C	37,855	2.75	LOS E	281.10%	51,000	3.2	LOS E	413.44%
US 160 to Nicholas	1,977	LOS A,B,C	8,865	0.7	LOS A,B,C	348.41%	11,205	0.32	LOS A,B,C	466.77%
Nicholas to West MPO boundary	3,990	LOS A,B,C	7,776	1.37	LOS E	94.89%	12,074	1.36	LOS E	202.61%

#### State Highway CC

SH NN to US 65	11,052	LOS D	19,358	1.72	LOS E	75.15%	17,059	1.4	LOS E	54.35%
US 65 to Fremont	14,325	LOS E	33,470	3.51	LOS E	133.65%	30,587	3.19	LOS E	113.52%
Fremont to US 160	11,016	LOS E	15,348	2.21	LOS E	39.32%	12,655	1.87	LOS E	14.88%