



MEMORANDUM

Missouri Department of Transportation
Transportation Planning
105 West Capitol Avenue

TO: Sharon Needham, SW-DE

FROM: Spencer Robinson
Transportation Planner

DATE: June 28, 2017

SUBJECT: Design Traffic
Miscellaneous Routes, Greene/Christian County
Job No. J8P3033 & J8S3138

We are providing estimates of average daily traffic for the above project as requested. Some routes have experienced negative growth, therefore I will assume 0.5% growth and denote with (A).

	US 160 - N/O CRD 186	US 160 -CRD 186 TO RT AA	US 160 - RT AA TO RT CC	US 160 - RT CC TO MO 14	US 160 - S/O MO 14	RT AA	RT CC	MO 14
AADT	40,251	30,248	24,571	21,622	11,008	3,485	8,638	13,762
Construction Year (2020)	38,930	30,018	24,594	22,546	11,230	3,520	8,725	13,900
Design Year (2040)	45,463	31,755	26,548	27,119	12,408	3,889	9,640	15,358
Directional Distribution (E/W)	52.7%/ 47.3%	50.6%/ 49.4%	49.5%/ 50.5%	49.5%/ 50.5%	49.6% / 50.4%	50.8%/ 49.2%	46.1%/ 53.9%	50.8%/ 49.2%
Peak Hour	8.72%	8.73%	8.05%	8.05%	8.32%	10.01%	9.30%	9.10%
Percent Trucks	4.23%	3.32%	7.05%	5.92%	7.05%	5.03%	6.91%	2.79%
Growth Rate	0.78%	0.28%	0.38%	0.93%	0.50% (A)	0.50% (A)	0.50% (A)	0.50% (A)
Buses (%)	40 (2%)	6 (1%)	We do not have truck distribution / classification data available for this location at this time	73 (5%)	We do not have truck distribution / classification data available for this location at this time	13 (7%)	46 (7%)	13 (7%)
SU 2-Axle Trucks (%)	638 (33%)	296 (28%)		801 (50%)		117 (60%)	294 (44%)	117 (60%)
SU 3-Axle Trucks (%)	194 (10%)	160 (15%)		69 (4%)		16 (8%)	116 (17%)	16 (8%)
SU 4+ Axle Trucks (%)	5 (0%)	6 (1%)		1 (0%)		4 (2%)	15 (2%)	4 (2%)
ST 3 or 4 Axle Trucks (%)	750 (39%)	342 (32%)		432 (27%)		32 (16%)	113 (17%)	32 (16%)
ST 5-Axle Trucks (%)	233 (12%)	202 (19%)		137 (9%)		14 (7%)	59 (9%)	14 (7%)
ST 6+ Axle Trucks (%)	51 (3%)	37 (3%)		63 (4%)		0 (0%)	5 (1%)	0 (%)
MT 5 or Less Axle Trucks (%)	2 (0%)	0 (0%)		0 (0%)		0 (0%)	3 (0%)	0 (%)
MT 6-Axle Trucks (%)	0 (0%)	0 (0%)		0 (0%)		0 (0%)	0 (%)	0 (%)
MT 7+ Axle Trucks (%)	17 (1%)	3 (0%)		24 (2%)		0 (0%)	15 (2%)	0 (%)
Total Trucks	932	1,054		1,604		196	666	196

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Turning Movement Diagram and Summary

US 160 & CRD 157
Greene County, MO

Station Location: **US 160 & CRD 157**

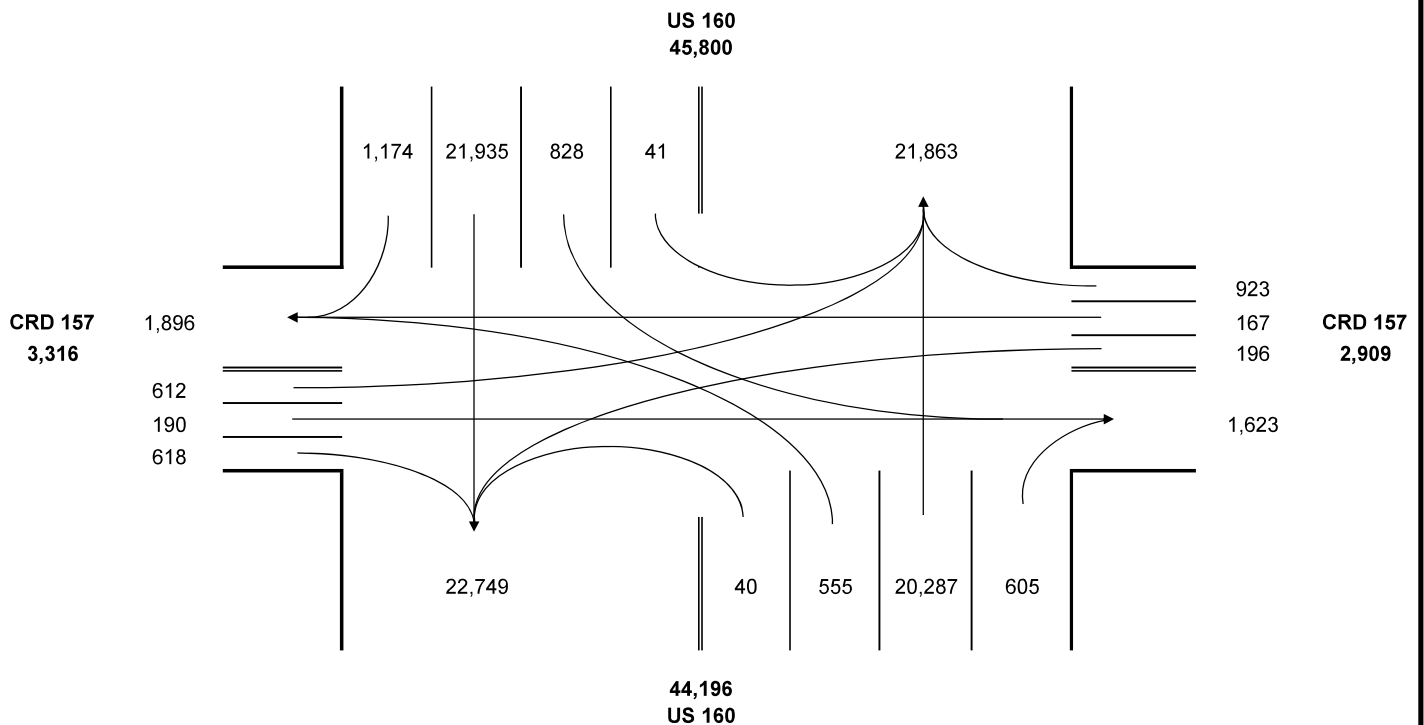
Date: **June 2017**

Base Year: **2016**

Construction Year: **2020**

Design Year: **2040**

	Base 2016	Const. 2020	Design 2040
North to West	1,039	1,005	1,174
North to South	19,420	18,782	21,935
North to East	733	709	828
North to North	36	35	41
East to North	819	836	923
East to West	148	151	167
East to South	174	178	196
South to East	536	518	605
South to North	17,961	17,372	20,287
South to West	491	475	555
South to South	35	34	40
West to South	548	559	618
West to East	169	172	190
West to North	543	554	612



Comments:

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Turning Movement Diagram and Summary

US 160 & CRD 192
Greene County, MO

Station Location: US 160 & CRD 192

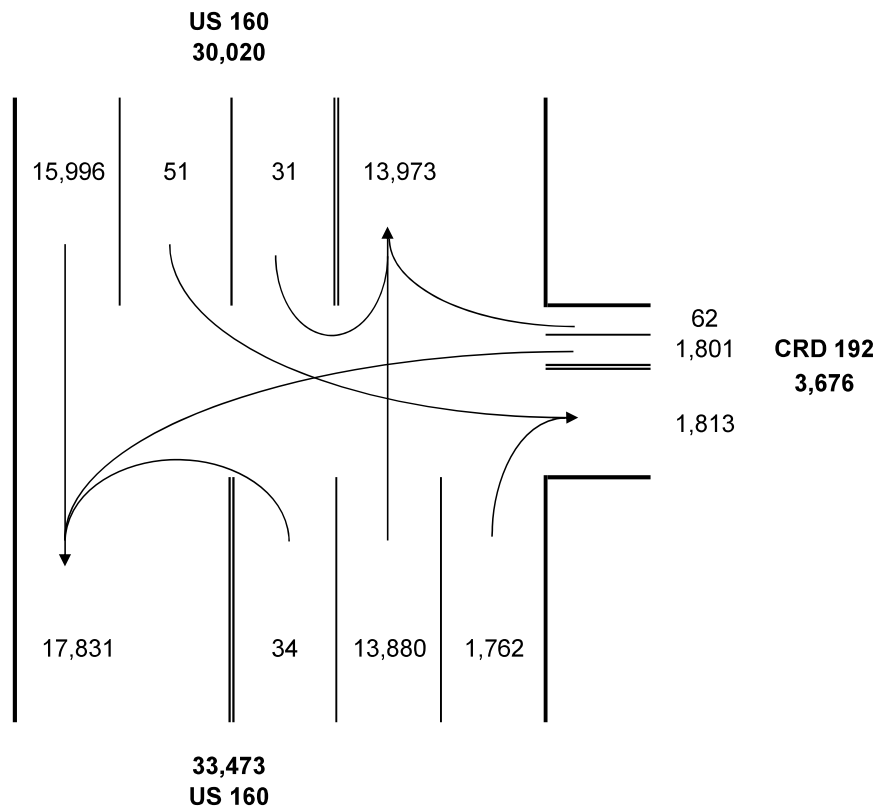
Date: June 2017

Base Year: 2016

Construction Year: 2020

Design Year: 2040

		Base 2016		Const. 2020		Design 2040		
North to South		15,237		15,122		15,996		
North to East		49		48		51		
North to North		29		29		31		
East to North		55		56		62		
East to South		1,598		1,630		1,801		
South to East		1,678		1,665		1,762		
South to North		13,221		13,120		13,880		
South to South		33		32		34		



Comments: