

Traffic Impact Study

Sedalia US Highway 65 and MO-B/W. 32nd St.



Prepared for:

City of Sedalia, Missouri
200 South Osage Ave.
Sedalia, MO 65301

Prepared by:

Wilson & Company, Inc., Engineers & Architects
800 E 101st Terrace, Suite 200
Kansas City, MO 64114

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Introduction and Study Objectives

The City of Sedalia, Missouri identified the intersection of U.S. Highway 65 and MO-B/W. 32nd St. within the City of Sedalia as an area of public safety concern due to the structure of the intersection and the continued increase in traffic flow. With continued business and residential growth known to be under development in this area, the City requested completion of a traffic study to assist with planning activities.

The purpose of this study is to analyze and develop potential concepts for the transportation network in the area of concern that will improve the operation of traffic at the intersection of US 65 and W 32nd St (Figure 1).

The study will focus on traffic impacts associated with the potential concepts. The study will also review traffic operations at surrounding intersections, and develop additional concepts which alone, or in conjunction, may address traffic conditions at the intersection of US 65 and W 32nd St.

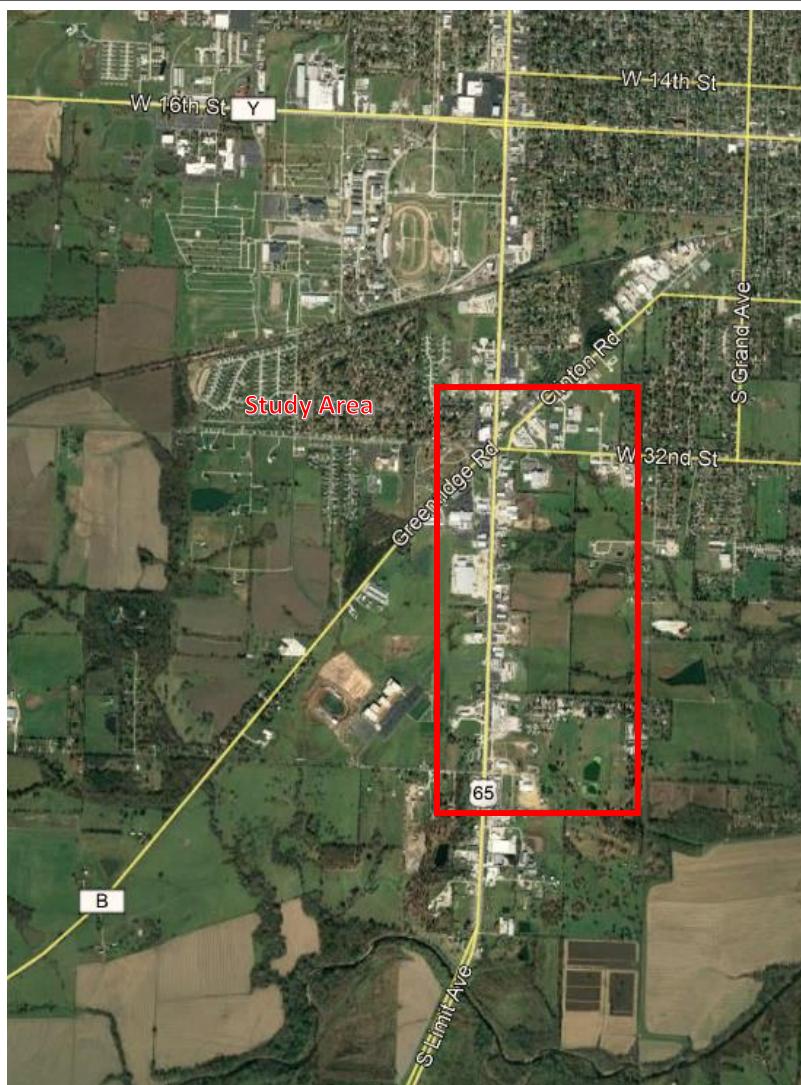


Figure 1 | Vicinity Map

Analysis of Existing Conditions

Lane Configuration

Within the study area, US 65 is a 5-lane principal arterial that intersects Missouri Route B (MO B) and W. 32nd St. which constitutes the primary intersection of this study. Both MO B and W. 32nd St. are 2-lane major collector roadways. At the intersection of W. 32nd St. & US 65 the lanes are configured as follows:

- NB (from US 65) – A dedicated left turn lane; one through lane; and one through lane shared with channelized right turning.
- EB (from MO B) – A shared left turn and through lane; and a channelized right turn lane with limited stacking.
- SB (from US 65) – A dedicated left turn lane; one through lane; and one through lane shared with channelized right turning.
- WB (from W 32nd St) – A shared left turn and through lane; and a channelized right turn lane with limited stacking.

A diagram displaying the existing lane configuration of intersections in proximity to the primary intersection of study can be found on the following page (Figure 2).

Traffic Counts

Morning (AM) and Evening (PM) peak intersection counts were collected by Thomas Brown at the following intersections:

- W. 32nd St. & U.S. Highway 65
- W. 32nd St. & MO B
- W. 32nd St. & Clinton Rd
- Highway Dr. & W. 32nd St.
- U.S. Highway 65 & Plaza Ave.
- James Road & Clinton Road
- MO B & Snyder Rd.

Vehicular traffic counts were collected from 7 AM to 9 AM and 3 PM to 6 PM at 15-minute intervals. The peak hour time frames were based on the highest volume during a 60-minuite interval and were determined to be 7:15 AM through 8:00 AM for the morning, and 3:30 PM to 4:15 PM for the evening. Diagrams which display the peak AM and PM intersection counts using existing traffic volumes can be found on the following pages (Figures 3 and Figure 4).

Traffic volumes tend to increase along the U.S. Highway 65 corridor on weekends and holidays between March and November due to traffic en route to the regional lakes and Ozarks related outdoor recreational activities. In order to understand the impact that this traffic has on the intersection of U.S. Highway 65 and MO-B/W. 32nd Street, Memorial Day weekend traffic volumes were collected south of Sedalia at the intersection of U.S. Highway 65 and Ryan Road from Wednesday May 22nd through Tuesday May 28th.

Traffic volumes indicate a peak southbound traffic volume of 1,136 vehicles per hour (VPH) from 4 – 5pm on Friday May 24th, 2019 and a peak northbound traffic volume of 1,268 VPH from 12:15 – 1:15 pm on Monday May 27th, 2019. Using Wednesday May 22nd as a basis for normal daily traffic, southbound traffic volumes increased by approximately 36% on Friday May 24th, 2019 and northbound traffic volumes increased by approximately 70% during the same time period. The increased weekend traffic demands have a significant impact on traffic operations, particularly at locations where traffic operations are currently poor due to geometric deficiencies and signal capacity, such as at the intersection of U.S. Highway 65 and MO-B/W. 32nd Street.

Additional traffic counts were collected at other intersections outside of the study area in order to better understand overall traffic conditions. These traffic volumes are documented in Appendix A.

Existing Lane Configuration

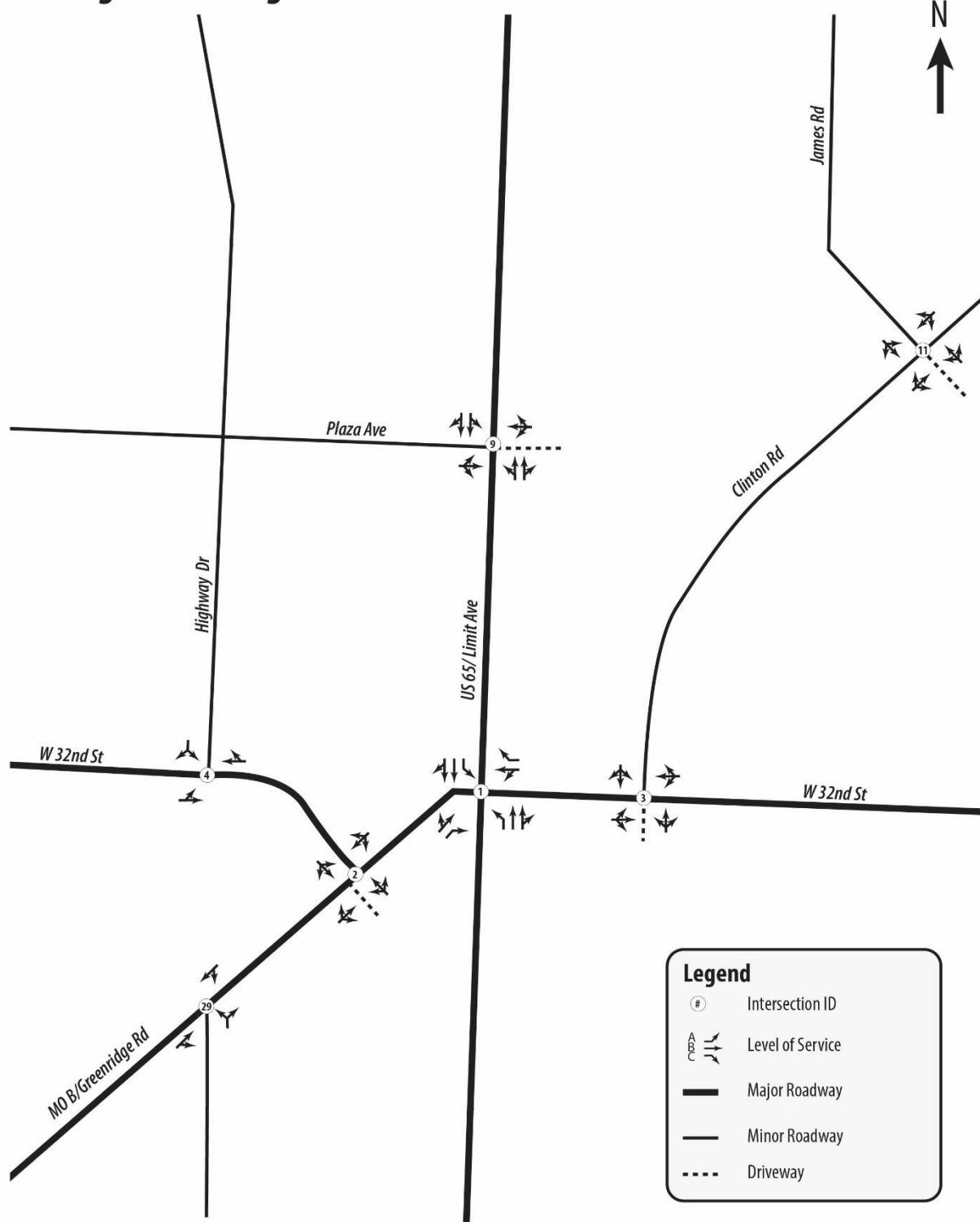


Figure 2 | Existing Lane Configuration

AM Peak Hour - Base Traffic Volumes

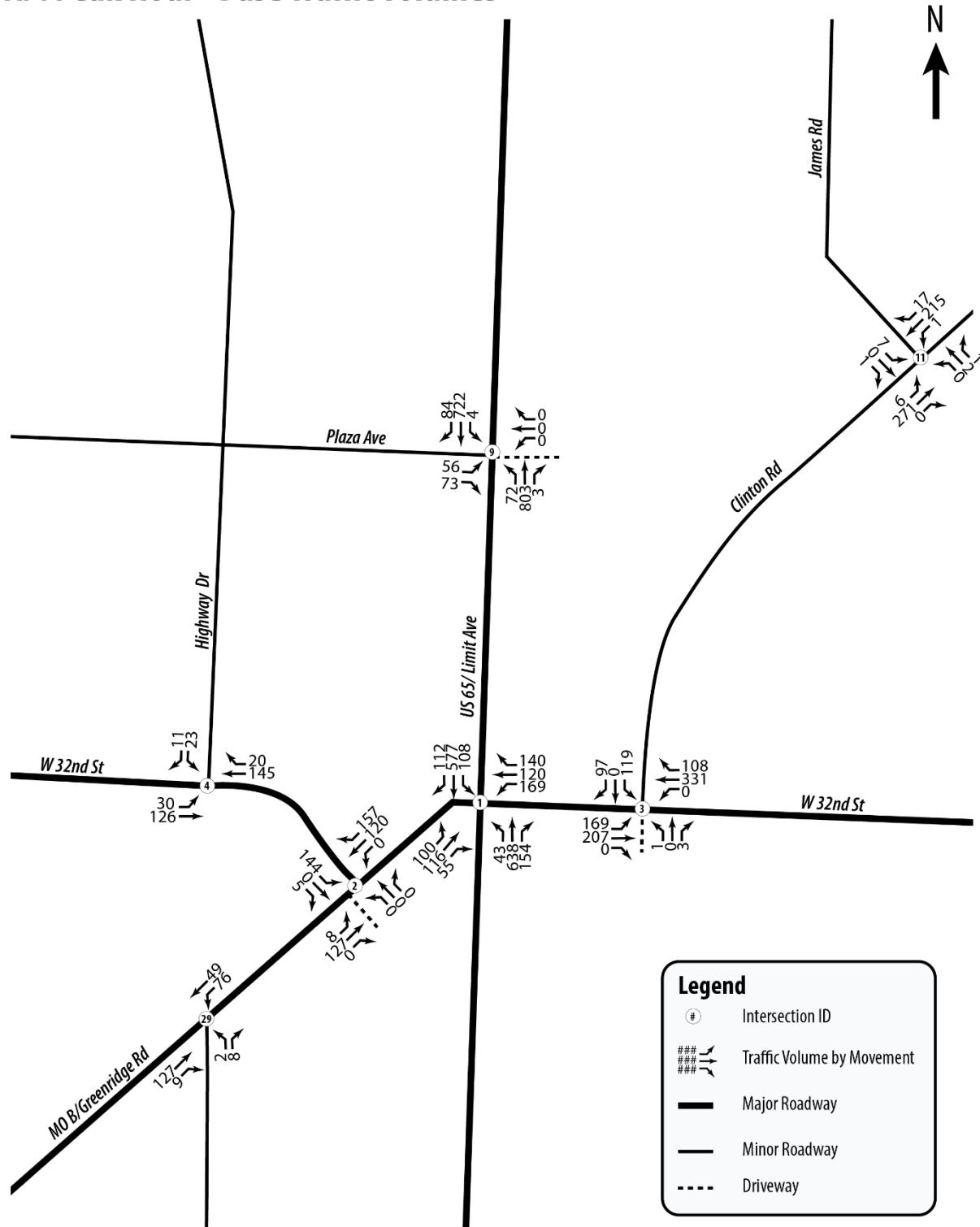


Figure 3 | AM Peak Hour Traffic Volumes

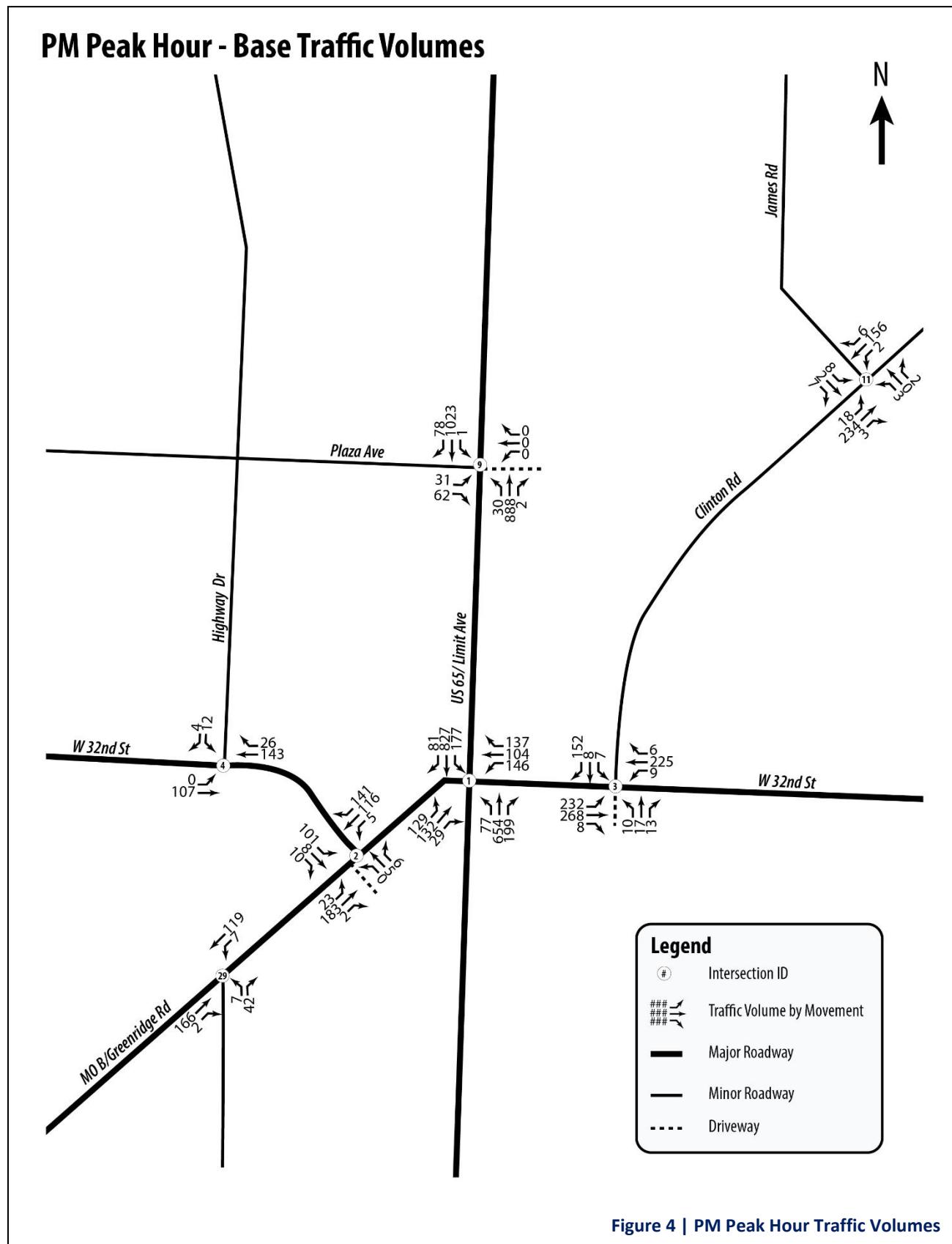


Figure 4 | PM Peak Hour Traffic Volumes

Future Traffic Projections

Future traffic conditions were based on 20-year projected traffic volumes for the year 2039. Volumes were calculated using a 1.4% annual traffic growth rate for the study area. This growth rate was determined through localized traffic projections from the Missouri Department of Transportation.

Capacity and Level of Service Analysis

Level of Service Description

Level of Service is defined as a measure of the quality of traffic flow and is graded from "A" to "F", with "A" being the best situation and "F" being the worst. The criteria for determining Level of Service (LOS) of the signalized and unsignalized study intersections is based on the average vehicle delay and is outlined in Table 1.

Table 1 Level of Service Delay Thresholds

Level of Service (LOS)	Average Control Delay (Sec/Veh)	
	Unsignalized	Signalized
A	<10	<10
B	<15	<20
C	<25	<35
D	<35	<55
E	<50	<80
F	≥ 50	≥ 80

The signalized intersection analysis used in this study conforms to the operational analysis methodology outlined in the Highway Capacity Manual 2010 (HCM 2010). The HCM 2010 methodology relates the intersection Level of Service (LOS) to intersection control delay, in terms of seconds per vehicle (sec/veh). The volume and capacity analysis was completed using PTV VISTRO software (latest version).

The intersection of US 65 and W 32nd Street has a full cycle time of 111 seconds. Therefore, if a vehicle delay is reported longer than this, that cycle will have vehicles left in the queue that do not clear the traffic signal. Current delays in the AM Peak Hour reach up to 47 seconds, while delays in the PM Peak Hour are up to 50 seconds. The delay for Future No-Build conditions for the AM Peak Hour is 119.6 seconds and the PM Peak Hour delay is 123.5.

Diagrams which display the existing level of service for the peak AM and PM intersection traffic volumes can be found on the following pages (Figures 5 and Figure 6).

AM Peak Hour - Level of Service (LOS)

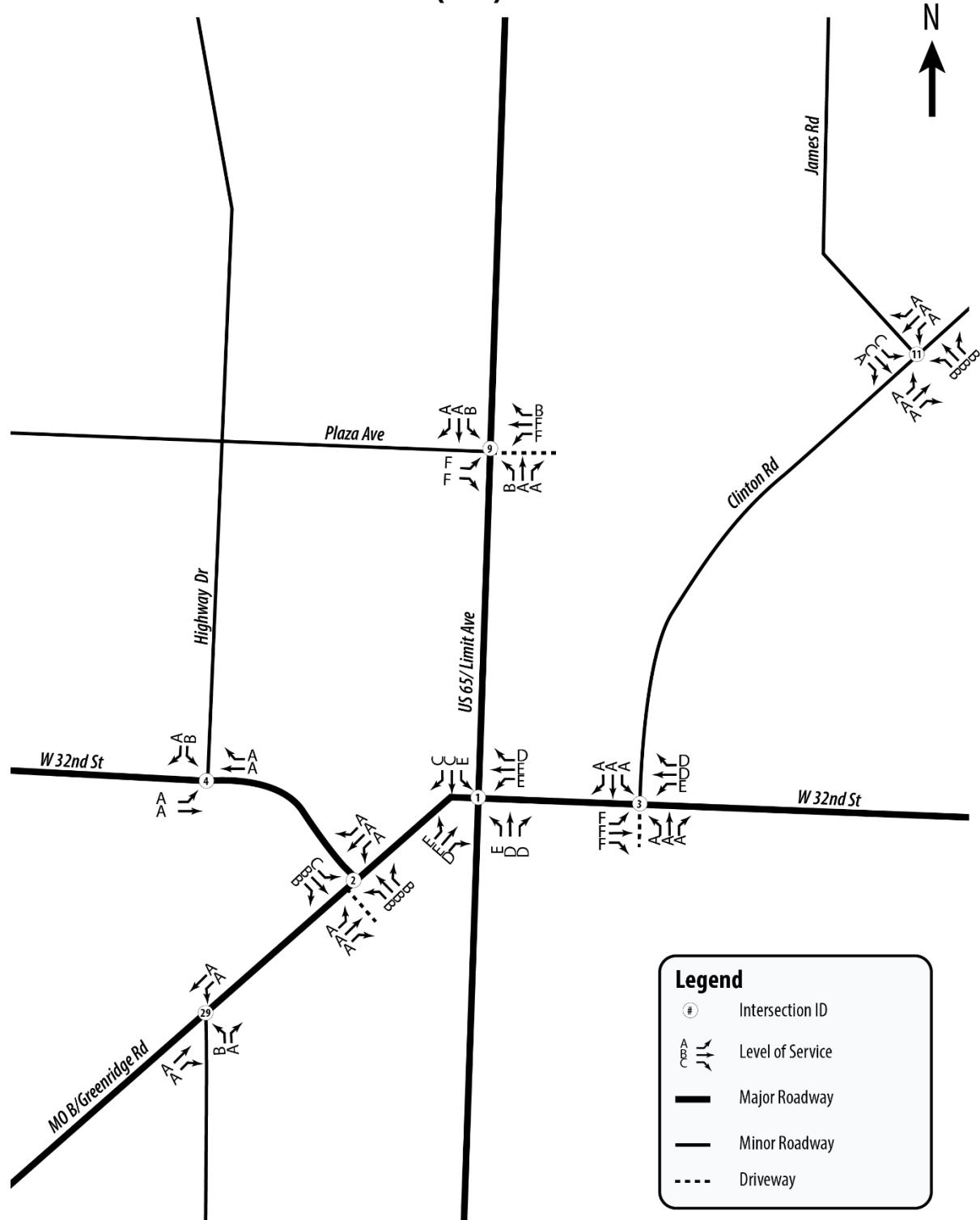


Figure 5 | AM Peak Hour Level of Service

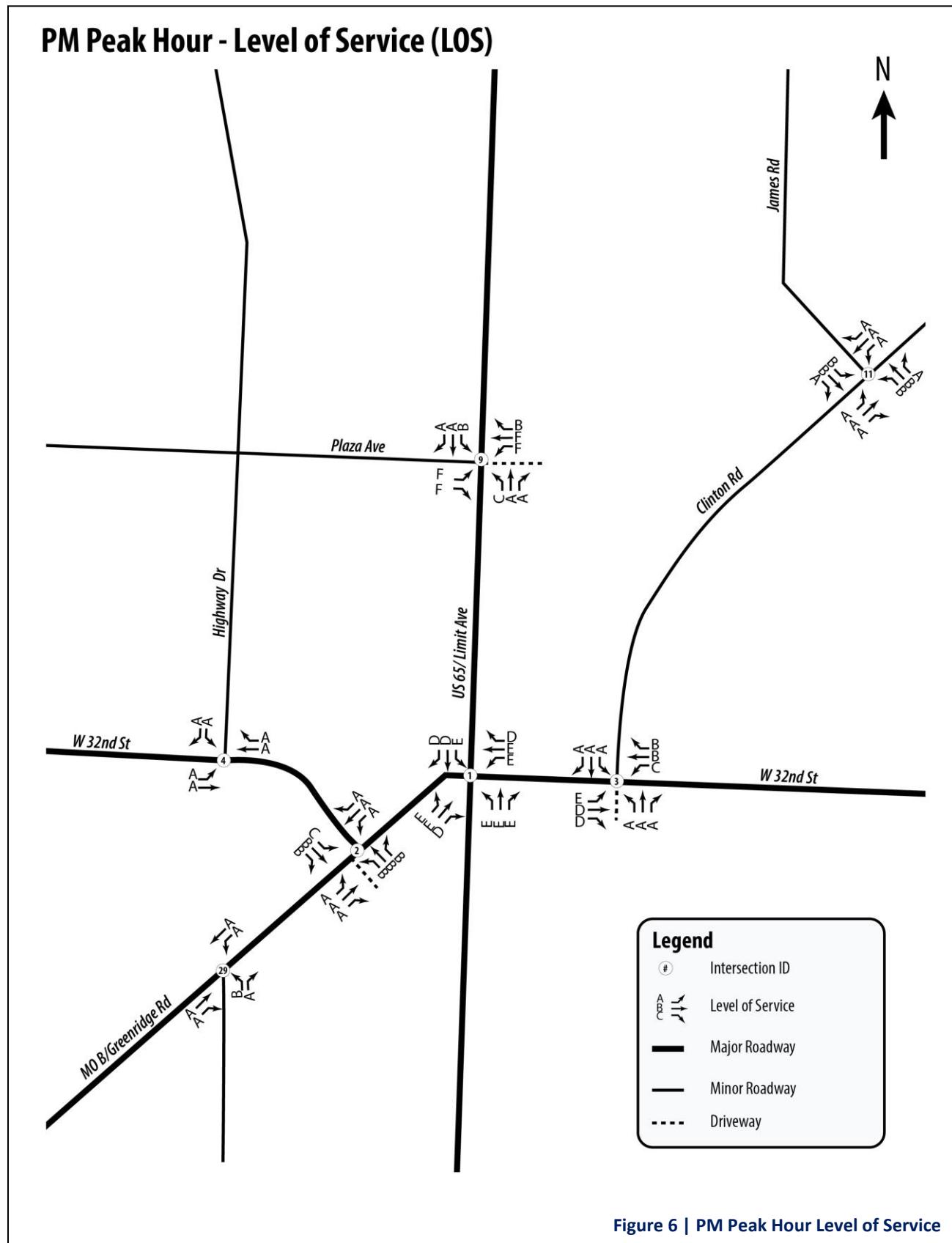


Figure 6 | PM Peak Hour Level of Service

Design Concepts

Roadway improvement concepts were identified which could alleviate congestion along US 65 Highway based on the level of stress of each leg of the study intersections. These improvements were separated into two time periods -- interim improvements which includes actions that would make improvements to facilitate traffic at existing traffic volumes (Figure 7), and long-term network improvements which includes actions that would alleviate traffic at 20-year future volumes (Figure 8 – next page):

a) Interim Improvements

1. Bring in W. 32nd St. at a 90-degree angle to U.S. Highway 65.
Tee up MO B (Green Ridge Road) into W. 32nd St. as close as possible to the cemetery and end with a cul-de-sac.
Add left and right turn lanes EB and WB at U.S. Highway 65 to allow for full signal operation (no split-phasing).
Add a dedicated right-turn lane on W 32nd St. to allow right turn queuing.
2. Extend Plaza Ave. across U.S. Highway 65 to Clinton Road.
Allow only right-in, right-out access at the intersection of Plaza Ave. and U.S. Highway 65.
Allow only right-in, right-out access at the intersection of Clinton Road and W. 32nd St.



Figure 7 | Interim Improvements Diagram

b) Long-term Network Improvements

1. Improve Sacajawea Rd. to either a 3-lane or 4-lane roadway depending on land use development patterns.
Add sidewalks for students to have a safe route to school.
Add a signal at the intersection of Sacajawea Rd. and U.S. Highway 65.
Re-route MO B along Sacajawea Rd. after MO B gets disconnected from the U.S. Highway 65 and W. 32nd St. intersection.
2. Construct a north-south collector roadway parallel and around $\frac{1}{4}$ of a mile east of U.S. Highway 65.
3. Construct an east-west collector roadway between W. 32nd St. and Tiger Pride Blvd. which connects MO B east to U.S. Highway 65, and on to the aforementioned new north-south collector (item 2.).



Figure 8 | Long-term Network Improvements Diagram

Level of Service Comparison

The interim improvement was analyzed using volume and capacity analysis and completed using PTV VISTRO software conforming to HCM 2010. VISTRO traffic model reports can be found in Appendix B of this document.

AM Peak Hour LOS

Intersections with an AM Peak LOS F at existing no-build traffic volumes include:

- W 32nd St & Clinton Rd
- US 65 & Plaza

Intersections with an AM Peak LOS F at future traffic no-build volumes include:

- W 32nd St & US 65
- W 32nd St & Clinton Rd
- US 65 & Plaza

Connecting W. 32nd St. east and west of U.S. Highway 65, removing MO B “leg” and adding a cul-de-sac would reduce intersection delay at W. 32nd St. & U.S. Highway 65 and increase the level of service from LOS D to LOS C with existing AM volumes and prevent a LOS F in future traffic conditions.

Extending Plaza Ave. east of U.S. Highway 65 to Clinton Rd, and implementing a “right-in, right-out” access condition at Plaza Ave. & U.S. Highway 65 and at W. 32nd St. and Clinton Rd. would substantially reduce intersection delay at U.S. Highway 65 & Plaza Ave. and W. 32nd St. & Clinton Rd. LOS at U.S. Highway 65 & Plaza Ave. is currently a LOS F but would change to a LOS B with the interim improvement. LOS at W. 32nd St. & Clinton Rd. is currently LOS F, but would improve to LOS C in current and future conditions if the interim improvement was implemented.

Table 2 displays the AM Peak Hour LOS and shows the no-build and interim improvement under the existing traffic and future traffic condition.

Table 2 | AM Peak Hour LOS

AM Peak Hour LOS Comparison						
ID	Intersection	Control Type	Existing Traffic Volume		Future Traffic Volume	
			No-Build	Interim Improvement	No-Build	Interim Improvement
1	W. 32nd St. & U.S. Highway 65	Signalized	D	C	F	E
2	W. 32nd St. & MO B	Two-way stop	C	C	C	C
3	W. 32nd St. & Clinton Rd	Two-way stop	F	C	F	C
4	Highway Dr. & W. 32nd St.	Two-way stop	B	B	B	B
9	U.S. Highway 65 & Plaza Ave.	Two-way stop	F	B	F	B
11	James Road & Clinton Road	Two-way stop	C	C	C	C
29	MO B & Snyder Rd.	Two-way stop	B	B	B	B

PM Peak Hour LOS

Table 3 displays the PM Peak Hour LOS and shows the no-build and interim improvements under the existing traffic and future traffic conditions.

Intersections with a PM Peak Hour LOS F at existing no-build traffic volumes include:

- US 65 & Plaza

Intersections with a PM Peak Hour LOS F at future no-build traffic volumes include:

- W 32nd St & US 65
- W 32nd St & Clinton Rd
- US 65 & Plaza

Table 3 | PM Peak Hour LOS

PM Peak Hour LOS Comparison						
ID	Intersection	Control Type	Existing Traffic Volume		Future Traffic Volume	
			No-Build	Interim Improvement	No-Build	Interim Improvement
1	W. 32nd St. & U.S. Highway 65	Signalized	D	C	F	E
2	W. 32nd St. & MO B	Two-way stop	C	C	C	C
3	W. 32nd St. & Clinton Rd	Two-way stop	E	B	F	C
4	Highway Dr. & W. 32nd St.	Two-way stop	B	B	B	B
9	U.S. Highway 65 & Plaza Ave.	Two-way stop	F	B	F	C
11	James Road & Clinton Road	Two-way stop	B	B	B	B
29	MO B & Snyder Rd.	Two-way stop	B	B	B	B

Analysis Conclusion and Recommendations

Following the level of service analysis of the study intersections, it was found that implementation of the interim improvements reduces traffic delay and improves vehicular movements to a LOS of B or C for both the AM and PM existing peak traffic volumes. However; based on projected 20-year future traffic volumes the intersection of W. 32nd St. & U.S. Highway 65 would only reach a LOS E with the proposed interim improvements. It is anticipated that the interim improvements alone could not improve the intersection LOS of W. 32nd St. & U.S. Highway 65 to above a LOS D without additional long-term network improvements that would facilitate the movement of local traffic through the area on alternative routes and away from the intersection of W. 32nd St. & U.S. Highway 65.

Conceptual Design

Interim Improvements Design Features

The interim improvement conceptual design adheres to MODOT design standards and engineering best practices. Figure 9 below (See Appendix C for full exhibit) displays the design which features several functional improvements to the intersection and surrounding roadways including:

- Dedicated channelized right-turn lane pockets with sufficient queuing length for current and future traffic conditions.
- Dedicated left-turn lanes with sufficient queuing length for current and future traffic conditions.
- Cul-de-sac termination at MO B with full depth pavement which maintains connection to cemetery and Domino's Pizza (located at the SW corner of W. 32nd St. & U.S. Highway 65)
- New signals, striping and signing to accommodate the additional lanes of traffic EB and WB
- Right-in, right-out access control (raised pavement) at Plaza Ave. & U.S. Highway 65 and Clinton Rd. & W. 32nd St.

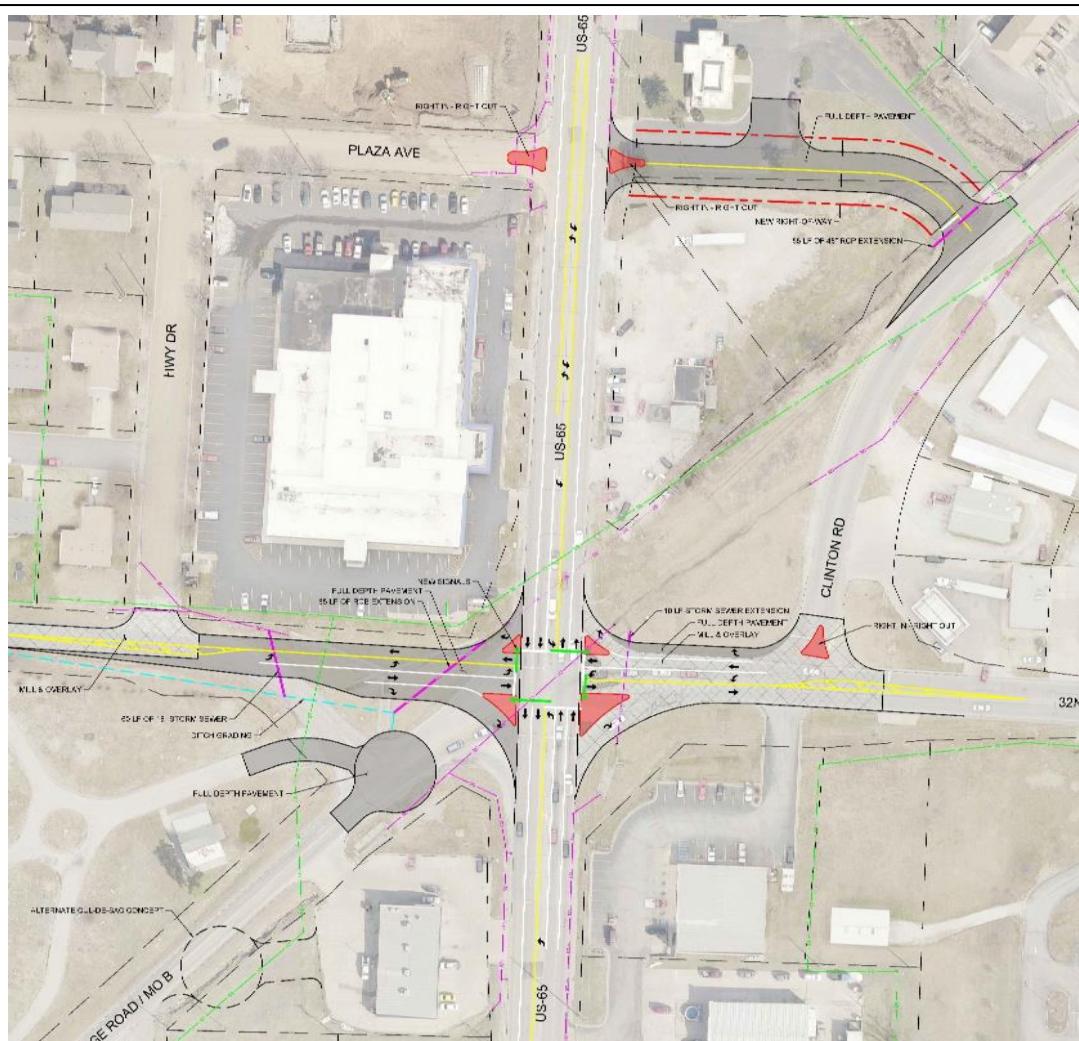


Figure 9 | Interim Improvements

Probable Cost Estimate

As shown below in figure 10, the total probable construction cost of the interim improvements is approximately \$1.12 million dollars. Cost saving measures, include mill and overlay on existing roadway, primarily on the WB leg of W. 32nd St. & U.S. Highway 65. The cost estimate can also be found in Appendix D.

ENGINEERS ESTIMATE OF PROBABLE CONSTRUCTION COST CITY OF SEDALIA, MISSOURI US-65 & 32nd Street Traffic Study Interim Intersection Improvements Concept Wilson & Company Project Number 14-100-509-15					
Estimators: CDPorter Stage: Concept			Date: 8/26/2019		
ITEM NO.	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	TOTAL PRICE
1	Mobilization	1	LS	\$50,000	\$50,000
2	Demolition and Site Preparation	1	LS	\$50,000	\$50,000
3	Construction Staking	1	LS	\$15,000	\$15,000
4	Temporary Traffic Control	1	LS	\$15,000	\$15,000
5	Erosion Control	1	LS	\$10,000	\$10,000
6	Earthwork	2500	CY	\$20	\$50,000
7	2" Asphaltic Concrete Surface (Type 5-01)	4563	SY	\$15	\$68,443
8	7" Asphaltic Concrete Base Course (Type 1-01)	4563	SY	\$40	\$182,516
9	6" Subgrade Compaction	4563	SY	\$5	\$22,814
10	2" Cold Milling	2367	SY	\$5	\$11,836
11	2" Asphaltic Concrete Surface (Type 5-01)	2367	SY	\$15	\$35,508
12	Median Islands	2963	SF	\$5	\$14,815
13	Concrete Channel Lining (5")	2880	SF	\$6	\$17,280
14	Seeding/Restoration	1	ACRE	\$2,000	\$2,000
15	RCB Approx. 6' x 2' (Including headwall and wing walls)	85	LF	\$700	\$59,500
16	18" RCP	70	LF	\$100	\$7,000
17	48" RCP	55	LF	\$200	\$11,000
18	Pavement Markings & Signing	1	LS	\$10,000	\$10,000
19	Traffic Signal & Street Lighting	1	LS	\$300,000	\$300,000
					Subtotal: \$932,712
					Contingency (20%) \$186,542
					Total Probable Construction Cost: \$1,119,254

Figure 10 | Cost Estimate

Appendices

Appendix A - Traffic Counts

T. J. Brown & Associates

PO Box 9442

Kansas City, Missouri 64133

Phone: 816-223-1671

File Name : 32Clinton-1
 Site Code : 00000222
 Start Date : 5/14/2019
 Page No : 1

		Clinton From North					32d Street From East					Groups Printed-Autos					32d Street From South					Driveway From West					32d Street From West				
Start Time		Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total				
07:00 AM	14	0	2	0	0	16	0	35	20	0	55	0	0	0	0	0	20	36	0	0	56	127	127	127	127	127	127				
07:15 AM	19	0	6	0	0	25	0	49	32	0	81	0	0	1	0	1	13	14	0	0	56	134	134	134	134	134	134				
07:30 AM	32	0	5	0	0	37	0	41	38	0	79	1	0	0	0	1	18	26	0	0	44	161	161	161	161	161	161				
07:45 AM	42	0	13	0	0	55	0	32	25	0	57	0	0	0	0	0	25	39	0	0	64	176	176	176	176	176	176				
Total	107	0	26	0	133	0	157	115	0	272	1	0	1	0	2	76	115	0	0	191	598	598	598	598	598	598					
08:00 AM	26	0	14	0	40	0	9	13	0	22	0	0	2	0	2	30	27	0	0	57	121	121	121	121	121	121					
08:15 AM	31	0	15	0	46	0	9	15	0	24	1	0	0	0	1	24	24	0	0	48	119	119	119	119	119	119					
08:30 AM	24	0	4	0	28	0	8	37	0	45	2	0	0	0	2	18	19	0	0	37	112	112	112	112	112	112					
08:45 AM	19	0	3	0	22	0	11	22	0	33	4	0	0	0	4	29	21	0	0	50	109	109	109	109	109	109					
Total	100	0	36	0	136	0	37	87	0	124	7	0	2	0	0	9	101	91	0	0	192	461	461	461	461	461	461				
Grand Total	207	0	62	0	269	0	194	202	0	396	8	0	3	0	11	177	206	0	0	383	1059	1059	1059	1059	1059	1059					
Apprch %	77	0	23	0	49	0	51	0	0	72.7	0	27.3	0	0	46.2	53.8	0	0	0	36.2	1059	1059	1059	1059	1059	1059					
Total %	19.5	0	5.9	0	25.4	0	18.3	19.1	0	37.4	0.8	0	0.3	0	1	16.7	19.5	0	0	36.2	1059	1059	1059	1059	1059	1059					

T. J. Brown & Associates
 PO Box 9442
 Kansas City, Missouri 64133
 Phone: 816-223-1671

File Name : Rte B Snyder-1
 Site Code : 00000222
 Start Date : 5/8/2019
 Page No : 1

Start Time	From North								Route B From East								Snyder From South								Groups Printed- Auto	
	From North				Route B From East				Snyder From South				Route B From West				Groups Printed- Auto									
	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Left	Thru	Right	Peds	App. Total	App. Total	App. Total	App. Total	Int. Total	
07:00 AM	0	0	0	0	0	8	13	0	0	21	0	0	3	0	3	0	0	30	2	0	32	56				
07:15 AM	0	0	0	0	0	18	13	0	0	31	0	0	1	0	1	0	0	27	2	0	29	61				
07:30 AM	0	0	0	0	0	20	11	0	0	31	1	0	2	0	2	0	0	34	2	0	36	69				
07:45 AM	0	0	0	0	0	29	14	0	0	43	1	0	2	0	3	0	0	39	5	0	44	90				
Total	0	0	0	0	0	75	51	0	0	126	2	0	7	0	9	0	0	130	11	0	141	276				
08:00 AM	0	0	0	0	0	11	12	0	0	23	0	0	5	0	5	0	0	35	0	0	35	63				
08:15 AM	0	0	0	0	0	9	15	0	0	24	0	0	0	0	0	0	0	19	0	0	19	43				
08:30 AM	0	0	0	0	0	4	12	0	0	16	0	0	3	0	3	0	0	17	0	0	17	36				
08:45 AM	0	0	0	0	0	2	6	0	0	8	0	0	1	0	1	0	0	13	1	0	14	23				
Total	0	0	0	0	0	26	45	0	0	71	0	0	9	0	9	0	0	84	1	0	85	165				
Grand Total	0	0	0	0	0	101	96	0	0	197	2	0	16	0	18	0	0	214	12	0	226	441				
Approch %	0	0	0	0	0	51.3	48.7	0	0	11.1	0	0	88.9	0	0	0	0	94.7	5.3	0	51.2					
Total %	0	0	0	0	0	22.9	21.8	0	0	44.7	0.5	0	3.6	0	4.1	0	0	48.5	2.7	0						

T. J. Brown & Associates
 PO Box 9442
 Kansas City, Missouri 64133
 Phone: 816-223-1671

File Name : Rte B Sacajewa-1
 Site Code : 00000000
 Start Date : 5/7/2019
 Page No : 1

Start Time	Highway B From North					Sacajewa From East					Highway B From South					Sacajewa From West					Groups Printed-Autos	
	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total	
07:00 AM	1	9	3	0	13	0	1	3	0	4	0	22	2	0	24	4	3	0	0	7	48	
07:15 AM	3	12	2	0	17	3	2	5	0	10	0	32	1	0	33	13	1	0	0	0	74	
07:30 AM	9	7	2	0	18	0	1	8	0	9	0	18	5	0	23	16	1	0	0	0	67	
07:45 AM	27	7	3	0	37	0	4	29	0	33	0	33	1	0	34	4	10	0	0	0	118	
Total	40	35	10	0	85	3	8	45	0	56	0	105	9	0	114	37	15	0	0	0	307	
08:00 AM	24	8	3	0	35	2	1	46	0	49	0	15	5	0	20	3	13	0	0	0	16	
08:15 AM	2	12	2	0	16	1	4	5	0	10	0	10	0	0	10	2	1	0	0	0	120	
08:30 AM	1	5	4	0	10	0	0	2	0	2	0	9	1	0	10	4	1	0	0	0	39	
08:45 AM	1	7	0	0	8	1	1	0	3	0	10	1	0	11	1	1	0	0	0	2	27	
Total	28	32	9	0	69	4	6	54	0	64	0	44	7	0	51	10	16	0	0	0	24	
Grand Total	68	67	19	0	154	7	14	99	0	120	0	149	16	0	165	47	31	0	0	0	210	
Apprich %	44.2	43.5	12.3	0	5.8	11.7	82.5	0	9.7	0	90.3	9.7	0	60.3	39.7	0	0	0	0	0	78	
Total %	13.2	13	3.7	0	29.8	1.4	2.7	19.1	0	23.2	0	28.8	3.1	0	31.9	9.1	6	0	0	0	15.1	

T. J. Brown & Associates
 PO Box 9442

Kansas City, Missouri 64133
 Phone: 816-223-1671

File Name : ClintonJames-1
 Site Code : 00000222
 Start Date : 5/9/2019
 Page No : 1

		Groups Printed-Autos								Driveway								Clinton											
		James				From North				Clinton				From East				From South				From West							
Start Time		Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total		
07:00 AM		0	2	0	0	2	0	24	0	0	0	0	0	0	0	0	0	44	0	0	0	44	0	0	0	0	0	70	
07:15 AM		1	0	1	0	2	0	38	2	0	0	40	0	0	0	0	0	27	0	0	0	27	0	0	0	0	0	69	
07:30 AM		1	0	0	0	1	0	24	2	0	0	26	0	2	0	0	3	55	0	0	0	55	0	0	0	0	0	58	
07:45 AM		5	0	0	0	5	0	26	8	0	34	0	0	0	0	0	0	57	0	0	0	57	0	0	0	0	0	96	
Total		7	2	1	0	10	0	112	12	0	124	0	2	0	0	2	3	183	0	0	0	186	0	0	0	0	0	322	
08:00 AM		0	0	0	0	0	1	28	5	0	34	0	0	0	1	0	1	1	51	0	0	0	51	0	0	0	0	0	52
08:15 AM		0	0	0	0	0	2	33	2	0	37	0	0	0	0	0	0	48	0	0	0	48	0	0	0	0	0	85	
08:30 AM		1	1	0	0	2	6	26	1	0	33	0	0	0	0	0	1	32	1	0	0	34	1	0	0	0	0	69	
08:45 AM		2	6	2	0	10	3	27	0	0	30	0	0	0	0	0	2	30	1	0	0	33	1	0	0	0	0	73	
Total		3	7	2	0	12	12	114	8	0	134	0	0	0	1	0	1	4	161	2	0	0	167	2	0	0	0	0	314
Grand Total		10	9	3	0	22	12	226	20	0	258	0	2	1	0	3	7	344	2	0	0	353	0	0	0	0	0	636	
Apprch %		45.5	40.9	13.6	0	4.7	87.6	7.8	0	66.7	33.3	0	0.2	0	0.5	1.1	54.1	0.3	0	0.6	97.5	0.6	0	0.3	0	0.3	55.5		
Total %		1.6	1.4	0.5	0	3.5	1.9	35.5	3.1	0	40.6	0	0.3	0.2	0	0.5	1.1	54.1	0.3	0	0.3	0	0	0	0	0	0	336	

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File Name : 65TigerPride-1
 Site Code : 00000111
 Start Date : 5/8/2019
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		65 Highway From North					65 Highway From East					65 Highway From South					Tiger Pride Blvd From West					
Start Time		Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
07:00 AM	0	72	12	0	84	0	0	0	0	0	0	0	141	0	0	141	4	0	1	0	5	230
07:15 AM	0	88	47	0	135	0	0	0	0	0	0	0	11	163	0	0	11	0	1	0	12	321
07:30 AM	0	72	66	0	138	0	0	0	0	0	0	0	13	177	0	0	13	0	1	0	11	339
07:45 AM	0	84	133	0	217	0	0	0	0	0	0	0	36	179	1	0	36	12	0	8	0	453
Total	0	316	258	0	574	0	0	0	0	0	0	0	60	660	1	0	721	37	0	11	0	48
08:00 AM	0	83	172	0	255	0	0	0	0	0	0	0	44	120	0	0	164	25	0	8	0	33
08:15 AM	0	82	35	0	117	0	0	0	0	0	0	0	4	134	0	0	138	21	0	1	0	452
08:30 AM	0	86	8	0	94	0	0	0	0	0	0	0	1	151	0	0	152	9	0	1	0	277
08:45 AM	0	74	7	0	81	0	0	0	0	0	0	0	1	119	0	0	120	2	0	0	0	256
Total	0	325	222	0	547	0	0	0	0	0	0	0	50	524	0	0	574	57	0	10	0	203
Grand Total	0	641	480	0	1121	0	0	0	0	0	0	0	110	1184	1	0	1295	94	0	21	0	115
Approch %	0	57.2	42.8	0	44.3	0	0	0	0	0	0	0	8.5	91.4	0.1	0	81.7	0	18.3	0	0	2531
Total %	0	25.3	19	0	44.3	0	0	0	0	0	0	0	4.3	46.8	0	0	51.2	3.7	0	0.8	0	4.5

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File Name : 65Plaza-1
 Site Code : 00000111
 Start Date : 5/9/2019
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Start Time	65 Highway From North					Dreiveway From East					Groups Printed-Autos					65 Highway From South					Plaza Ave From West						
	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total	
07:00 AM	0	95	14	0	109	0	0	0	0	0	14	156	0	0	170	18	0	15	0	33	312						
07:15 AM	0	132	31	0	163	0	0	0	0	0	22	168	0	0	190	13	0	15	0	28	381						
07:30 AM	0	172	19	0	191	0	0	0	0	0	20	202	0	0	211	17	0	24	0	41	443						
07:45 AM	1	228	21	0	250	0	0	0	0	0	20	204	0	0	224	17	0	19	1	37	511						
Total	1	627	85	0	713	0	0	0	0	0	65	730	0	0	795	65	0	73	1	139	1647						
08:00 AM	3	226	13	0	242	0	0	0	0	0	16	169	3	0	188	9	0	19	0	28	458						
08:15 AM	0	98	13	0	111	0	0	0	0	0	11	200	0	0	211	15	0	18	0	33	355						
08:30 AM	0	100	11	0	111	0	0	0	0	0	7	180	0	0	187	18	0	17	0	35	333						
08:45 AM	0	109	12	0	121	0	0	0	0	0	9	167	0	0	176	7	0	12	0	19	316						
Total	3	533	49	0	585	0	0	0	0	0	43	716	3	0	762	49	0	66	0	115	1462						
Grand Total	4	1160	134	0	1298	0	0	0	0	0	108	1446	3	0	1557	114	0	139	1	254							
Approch %	0.3	89.4	10.3	0	0	0	0	0	0	0	6.9	92.9	0.2	0	44.9	54.7	0.4	0.4	0	254							
Total %	0.1	37.3	4.3	0	41.7	0	0	0	0	0	3.5	46.5	0.1	0	50.1	3.7	0	4.5	0	8.2							

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File Name : 32Rte B-1
 Site Code : 00000000
 Start Date : 5/8/2019
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		Groups Printed-Autos								Route B								Route B				
		West 32nd Street From North				Route B From East				Dominoes Driveway From South				Route B From West								
Start Time		Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
07:00 AM		22	0	2	0	24	0	22	22	0	44	0	0	0	0	0	2	30	0	0	32	100
07:15 AM		30	0	3	0	33	0	31	56	0	87	0	0	0	0	0	0	26	0	0	26	146
07:30 AM		38	0	2	0	40	0	28	51	0	79	0	0	0	0	0	4	31	0	0	35	154
07:45 AM		39	0	0	0	39	0	42	36	0	78	0	0	0	0	0	3	33	0	0	36	153
Total		129	0	7	0	136	0	123	165	0	288	0	0	0	0	0	9	120	0	0	129	553
08:00 AM		37	0	0	0	37	0	18	12	0	30	0	0	0	0	0	1	37	0	0	38	105
08:15 AM		17	0	1	0	18	0	23	20	0	43	0	0	0	0	0	4	16	0	0	20	81
08:30 AM		10	0	2	0	12	0	11	17	0	28	0	0	0	0	0	3	14	0	0	17	57
08:45 AM		9	0	0	0	9	0	6	14	0	20	0	0	0	0	0	0	14	0	0	14	43
Total		73	0	3	0	76	0	58	63	0	121	0	0	0	0	0	8	81	0	0	89	286
Grand Total		202	0	10	0	212	0	181	228	0	409	0	0	0	0	0	17	201	0	0	218	839
Apprch %		95.3	0	4.7	0	44.3	0	55.7	0	0	48.7	0	0	0	0	0	7.8	92.2	0	0	218	839
Total %		24.1	0	1.2	0	25.3	0	21.6	27.2	0	0	0	0	0	0	0	2	24	0	0	26	839

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PO Box 9442
Kansas City, Missouri 64133
Phone: 816-223-1671

File Name : 32Highway-1
Site Code : 0000000
Start Date : 5/9/2019
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		Highway From North								West 32nd Street From East								West 32nd Street From South								Groups Printed-Autos
Start Time		Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total				
07:00 AM		2	0	0	0	2	0	21	5	0	26	0	0	0	0	0	1	32	0	0	33	61				
07:15 AM		4	0	2	0	6	0	45	3	0	48	0	0	0	0	0	3	20	0	0	23	77				
07:30 AM		1	0	4	0	5	0	60	5	0	65	0	0	0	0	0	9	37	0	0	46	116				
07:45 AM		6	0	1	0	7	0	38	7	0	45	0	0	0	0	0	13	29	0	0	42	94				
Total		13	0	7	0	20	0	164	20	0	184	0	0	0	0	0	26	118	0	0	144	348				
08:00 AM		8	0	4	0	12	0	22	7	0	29	0	0	0	0	0	5	20	0	0	25	66				
08:15 AM		4	0	1	0	5	0	12	6	0	18	0	0	0	0	0	11	0	0	0	11	34				
08:30 AM		3	0	3	0	6	0	11	3	0	14	0	0	0	0	0	4	32	0	0	36	56				
08:45 AM		2	0	2	0	4	0	23	4	0	27	0	0	0	0	0	1	16	0	0	17	48				
Total		17	0	10	0	27	0	68	20	0	88	0	0	0	0	0	10	79	0	0	89	204				
Grand Total		30	0	17	0	47	0	232	40	0	272	0	0	0	0	0	36	197	0	0	233	552				
Apprch %		63.8	0	36.2	0	85.3	0	14.7	0	0	49.3	0	0	0	0	0	15.5	84.5	0	0	42.2					
Total %		5.4	0	3.1	0	8.5	0	42	7.2	0	0	0	0	0	0	0	6.5	35.7	0	0	0					

T. J. Brown & Associates
 PO Box 9442
 Kansas City, Missouri 64133

Phone: 816-223-1671

File Name : 3265Hwy-1
 Site Code : 00000111
 Start Date : 5/14/2019
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		Groups Printed- Autos																				
		65 Highway From North				32nd Street From East				65 Highway From South				32nd Street From West								
Start Time		Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
07:00 AM		18	90	21	0	129	15	22	9	0	46	5	113	17	0	135	18	31	7	0	56	366
07:15 AM		18	92	33	0	143	23	38	32	0	93	8	144	23	0	175	32	18	8	0	58	469
07:30 AM		27	122	28	0	177	23	43	47	0	113	14	156	27	0	197	22	32	6	0	60	547
07:45 AM		37	191	23	0	251	60	29	39	0	128	15	169	53	0	237	21	36	28	0	85	701
Total		100	495	105	0	700	121	132	127	0	380	42	582	120	0	744	93	117	49	0	259	2083
08:00 AM		24	172	28	0	224	63	10	22	0	95	8	169	51	0	228	25	30	13	0	68	615
08:15 AM		26	96	19	0	141	26	10	28	0	64	6	144	37	0	187	23	21	8	0	52	444
08:30 AM		16	96	12	0	124	22	11	47	0	80	5	128	18	0	151	9	12	6	0	27	382
08:45 AM		0	0	0	0	0	20	11	30	0	61	6	114	24	0	144	0	0	0	0	0	205
Total		66	364	59	0	489	131	42	127	0	300	25	555	130	0	710	57	63	27	0	147	1646
Grand Total		166	859	164	0	1189	252	174	254	0	680	67	1137	250	0	1454	150	180	76	0	406	3729
Apprich %		14	72.2	13.8	0	37.1	25.6	37.4	0	0	4.6	4.6	78.2	17.2	0	36.9	44.3	18.7	2	0	10.9	
Total %		4.5	23	4.4	0	31.9	6.8	4.7	6.8	0	18.2	1.8	30.5	6.7	0	39	4	4.8	2	0	10.9	

T. J. Brown & Associate
PO Box 9442
Kansas City, Missouri 64133
Phone: 816-223-1671

File Name : 32Clinton-1a
Site Code : 00000222
Start Date : 5/14/2019
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		Clinton					32nd Street					Groups Printed-Autos					Driveway					32nd Street							
		From North				From East				From South				From West				From North				From East				From South			
Start Time		Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total		
03:00 PM		2	0	15	0	17	5	64	12	0	81	1	1	2	0	4	31	34	1	0	0	66	168						
03:15 PM		0	3	28	0	31	2	58	2	0	62	2	1	1	0	5	34	47	0	0	0	81	179						
03:30 PM		2	3	44	0	49	1	71	0	0	72	2	1	4	0	7	48	68	2	0	0	118	246						
03:45 PM		3	1	35	0	39	3	57	2	0	62	2	10	3	0	15	55	61	4	0	0	120	236						
Total		7	7	122	0	136	11	250	16	0	277	7	14	10	0	31	168	210	7	0	0	385	829						
04:00 PM		1	2	35	0	38	5	54	2	0	61	3	5	3	0	11	67	70	0	0	0	137	247						
04:15 PM		1	2	41	0	44	0	48	2	0	50	3	1	3	0	7	45	50	2	0	0	97	198						
04:30 PM		0	2	31	0	33	1	54	0	1	56	2	2	2	0	6	30	55	1	0	0	86	181						
04:45 PM		1	1	43	0	45	3	59	1	0	63	4	1	1	0	6	31	59	3	0	0	93	207						
Total		3	7	150	0	160	9	215	5	1	230	12	9	9	0	30	173	234	6	0	0	413	833						
05:00 PM		1	2	49	0	52	3	77	3	0	83	0	1	2	0	3	45	52	1	0	0	98	236						
05:15 PM		0	0	55	0	55	3	44	2	0	49	3	0	2	0	5	57	63	4	0	0	124	233						
05:30 PM		0	0	49	0	49	2	45	2	0	49	4	1	5	0	10	58	62	1	0	0	121	229						
05:45 PM		0	0	31	0	31	1	41	1	0	43	5	1	3	0	9	48	64	4	0	0	116	199						
Total		1	2	184	0	187	9	207	8	0	224	12	3	12	0	27	208	241	10	0	0	459	897						
Grand Total		11	16	456	0	483	29	672	29	1	731	31	26	31	0	88	549	685	23	0	0	1257	2559	*					
Apprch %		2.3	3.3	94.4	0	91.9	4	91.9	4	0.1	0.1	35.2	29.5	35.2	0	0	43.7	54.5	1.8	0	0	120	236						
Total %		0.4	0.6	17.8	0	18.9	1.1	26.3	1.1	0	28.6	1.2	1	1.2	0	3.4	21.5	26.8	0.9	0	0	49.1							

T. J. Brown & Associates
 PO Box 9442

Kansas City, Missouri 64133
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File Name : Rte B Snyder-1a
 Site Code : 00000222
 Start Date : 5/8/2019
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Groups Printed-Autos																					
Start Time	From North				Route B From East				Snyder From South				Route B From West								
	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
03:00 PM	0	0	0	0	0	8	25	0	0	33	0	0	4	1	5	0	25	3	0	28	66
03:15 PM	0	0	0	0	0	8	27	0	0	35	0	0	11	0	11	0	19	2	0	0	67
03:30 PM	0	0	0	0	0	3	33	0	0	36	3	0	12	0	15	0	39	0	0	0	90
03:45 PM	0	0	0	0	0	1	32	0	0	33	2	0	8	0	10	0	57	1	0	0	101
Total	0	0	0	0	0	20	117	0	0	137	5	0	35	1	41	0	0	140	6	0	146
04:00 PM	0	0	0	0	0	1	29	0	0	30	1	0	10	0	11	0	29	0	0	0	70
04:15 PM	0	0	0	0	0	3	34	0	0	37	1	0	8	0	9	0	23	1	0	0	24
04:30 PM	0	0	0	0	0	2	29	0	0	31	0	0	24	0	24	0	27	0	0	0	27
04:45 PM	0	0	0	0	0	1	30	0	0	31	2	0	5	0	7	0	27	0	0	0	65
Total	0	0	0	0	0	7	122	0	0	129	4	0	47	0	51	0	106	1	0	0	287
05:00 PM	0	0	0	0	0	2	29	0	0	31	4	0	19	0	23	0	27	1	0	0	82
05:15 PM	0	0	0	0	0	2	36	0	0	38	1	0	10	0	11	0	25	0	0	0	74
05:30 PM	0	0	0	0	0	1	20	0	0	21	0	0	3	0	3	0	23	0	0	0	47
05:45 PM	0	0	0	0	0	1	18	0	0	19	0	0	3	0	3	0	20	0	0	0	42
Total	0	0	0	0	0	6	103	0	0	109	5	0	35	0	40	0	95	1	0	0	96
Grand Total	0	0	0	0	0	33	342	0	0	375	14	0	117	1	132	0	341	8	0	0	349
Apprch %	0	0	0	0	0	8.8	91.2	0	0	10.6	0	88.6	0.8	0.1	15.4	0	97.7	2.3	0	0	856
Total %	0	0	0	0	0	3.9	40	0	0	43.8	1.6	0	13.7	0.1	15.4	0	39.8	0.9	0	0	40.8

T. J. Brown & Associate
PO Box 9442
Kansas City, Missouri 64133
Phone: 816-223-1671

File Name : Rte B Sacajewa-1a
Site Code : 0000000
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T. J. Brown & Associates
 PO Box 9442
 Kansas City, Missouri 64133
 Phone: 816-223-1671

File Name : ClintonJames-1a
 Site Code : 00000222
 Start Date : 5/9/2019
 Page No : 1

Start Time	James					Clinton					Groups Printed-Autos					Driveway					Clinton																			
	From North					From East					From South					From West					From North					From East					From South					From West				
	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total
02:45 PM	4	1	1	0	6	0	22	0	0	22	0	0	0	0	0	0	0	0	0	0	0	18	0	0	0	18	0	0	0	0	18	0	0	0	18	46				
Total	4	1	1	0	6	0	22	0	0	22	0	0	0	0	0	0	0	0	0	0	0	18	0	0	0	18	0	0	0	0	18	0	0	0	18	46				
03:00 PM	4	0	5	0	9	0	36	4	0	40	0	0	0	0	0	0	0	0	0	0	0	2	41	0	0	0	43	92	0	0	0	43	92	0	0	0	43	92		
03:15 PM	4	0	3	0	7	2	56	5	0	63	0	1	0	0	1	0	1	0	1	0	1	41	0	0	0	42	113	0	0	0	42	113	0	0	0	42	113			
03:30 PM	2	0	1	0	3	0	35	0	0	35	1	0	1	0	1	0	1	0	1	0	1	2	47	1	0	0	55	95	0	0	0	55	95	0	0	0	55	95		
03:45 PM	4	0	0	4	1	40	2	0	43	0	0	1	0	1	0	1	0	1	0	1	1	69	0	0	0	70	118	0	0	0	70	118	0	0	0	70	118			
Total	14	0	9	0	23	3	167	11	0	181	1	1	2	0	4	11	198	1	0	0	210	418	0	0	0	210	418	0	0	0	210	418	0	0	0	210	418			
04:00 PM	0	2	2	0	4	0	50	3	0	53	1	0	0	0	0	1	5	48	0	0	0	53	111	0	0	0	53	111	0	0	0	53	111	0	0	0	53	111		
04:15 PM	1	0	5	0	6	1	31	1	0	33	1	0	0	0	0	1	2	37	2	1	42	82	0	0	0	42	82	0	0	0	42	82	0	0	0	42	82			
04:30 PM	5	0	0	5	0	39	2	0	41	0	1	3	0	0	4	3	37	1	0	0	35	0	0	0	35	91	0	0	0	35	91	0	0	0	35	91				
04:45 PM	3	0	1	0	4	2	47	3	0	52	0	0	0	0	0	0	0	0	0	0	0	179	2	1	3	0	6	10	157	3	1	171	375							
Total	9	2	8	0	19	3	167	9	0	179	2	1	3	0	0	0	0	0	0	0	0	0	179	4	0	1	0	5	5	126	4	0	0	135	348					
05:00 PM	8	1	3	0	12	1	51	6	0	58	3	0	0	0	0	3	1	29	1	0	0	31	104	0	0	0	31	104	0	0	0	31	104	0	0	0	31	104		
05:15 PM	3	0	3	0	6	0	31	2	2	35	0	0	0	0	0	1	32	1	0	0	34	75	0	0	0	34	75	0	0	0	34	75	0	0	0	34	75			
05:30 PM	3	1	3	0	7	1	43	3	1	48	0	0	0	1	0	1	32	1	0	0	33	89	0	0	0	33	89	0	0	0	33	89	0	0	0	33	89			
05:45 PM	3	1	0	4	1	32	5	0	38	1	0	0	0	1	1	3	33	1	0	0	37	80	0	0	0	37	80	0	0	0	37	80	0	0	0	37	80			
Total	17	3	9	0	29	3	157	16	3	179	4	0	1	0	0	5	5	126	4	0	0	135	348	0	0	0	135	348	0	0	0	135	348	0	0	0	135	348		
Grand Total	44	6	27	0	77	9	513	36	3	561	7	2	6	0	15	26	499	8	1	0	534	1187	0	0	0	534	1187	0	0	0	534	1187	0	0	0	534	1187			
Apprch %	57.1	7.8	35.1	0	1.6	91.4	6.4	0.5	47.3	46.7	13.3	40	0	4.9	93.4	1.5	0.2	2.2	42	0.7	0.1	45	1187	0	0	0	45	1187	0	0	0	45	1187	0	0	0	45	1187		
Total %	3.7	0.5	2.3	0	0.8	43.2	3	0.3	47.3	0.6	0.2	0.5	0	0	1.3	2.2	2.2	2.2	42	0.7	0.1	45	1187	0	0	0	45	1187	0	0	0	45	1187	0	0	0	45	1187		

T. J. Brown & Associates
 PO Box 9442
 Kansas City, Missouri 64133
 Phone: 816-223-1671

File Name : 65TigerPride-1a
 Site Code : 00000111
 Start Date : 5/8/2019
 Page No : 1

Start Time	65 Highway From North					From East					65 Highway From South					Groups Printed-Autos					Tiger Pride Blvd From West				
	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total				
03:00 PM	0	169	9	0	178	0	0	0	0	0	1	133	0	0	134	10	0	0	0	0	10	322			
03:15 PM	0	187	54	0	241	0	0	0	0	0	1	122	0	0	123	10	0	0	0	0	10	374			
03:30 PM	0	182	56	0	238	0	0	0	0	0	0	161	0	0	170	81	0	0	16	0	97	505			
03:45 PM	0	204	34	0	238	0	0	0	0	0	1	155	0	0	156	162	0	0	34	0	196	590			
Total	0	742	153	0	895	0	0	0	0	0	0	12	571	0	0	583	263	0	0	50	0	313	1791		
04:00 PM	0	200	12	0	212	0	0	0	0	0	0	3	137	0	0	140	46	0	0	7	0	53	405		
04:15 PM	0	208	2	0	210	0	0	0	0	0	0	0	132	0	1	133	21	0	1	0	1	22	365		
04:30 PM	0	202	10	0	212	0	0	0	0	0	1	1	123	0	0	124	8	0	0	1	1	10	347		
04:45 PM	0	203	35	0	238	0	0	0	0	0	0	3	121	0	0	124	9	0	0	1	0	10	372		
Total	0	813	59	0	872	0	0	0	0	0	1	1	513	0	1	521	84	0	0	10	1	95	1489		
05:00 PM	0	244	24	0	268	0	0	0	0	0	0	3	124	0	0	127	14	0	0	0	0	14	409		
05:15 PM	0	229	27	0	256	0	0	0	0	1	1	4	128	0	0	132	11	0	2	0	0	13	402		
05:30 PM	0	190	66	0	256	0	0	0	0	0	0	8	113	0	0	121	7	0	2	0	0	9	386		
05:45 PM	0	161	43	0	204	0	0	0	0	0	0	0	13	110	0	0	123	22	0	4	0	0	26	353	
Total	0	824	160	0	984	0	0	0	0	0	1	1	28	475	0	0	503	54	0	8	0	0	62	1550	
Grand Total	0	2379	372	0	2751	0	0	0	0	2	2	47	1559	0	1	1607	401	0	68	1	470	4830			
Approch %	0	86.5	13.5	0	57	0	0	0	0	100	0	2.9	97	0	0.1	85.3	0	14.5	0.2	0	9.7				
Total %	0	49.3	7.7	0	57	0	0	0	0	0	0	1	32.3	0	0	33.3	8.3	0	14	0	0	9.7			

T. J. Brown & Associates
 PO Box 9442
 Kansas City, Missouri 64133
 Phone: 816-223-1671

File Name : 65Plaza-1a
 Site Code : 00000111
 Start Date : 5/9/2019
 Page No : 1

Start Time	65 Highway From North					Driveway From East					65 Highway From South					Plaza From West					
	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	
03:00 PM	0	232	13	0	245	0	0	0	0	0	8	164	0	0	172	14	0	13	0	27	444
03:15 PM	0	241	16	0	257	0	0	0	0	0	6	146	1	0	153	4	0	16	0	20	430
03:30 PM	1	214	13	1	229	0	0	0	0	0	6	187	1	0	194	8	0	14	0	22	445
03:45 PM	0	237	22	0	259	0	0	0	0	0	6	264	0	0	270	8	0	10	0	18	547
Total	1	924	64	1	990	0	0	0	0	0	26	761	2	0	789	34	0	53	0	87	1866
04:00 PM	0	237	26	0	263	0	0	0	0	0	9	249	1	0	259	9	0	20	0	29	551
04:15 PM	0	230	17	0	247	0	0	0	0	0	9	184	0	0	193	6	0	11	0	17	457
04:30 PM	1	236	11	0	248	0	0	0	0	0	7	200	0	0	207	13	0	24	0	37	492
04:45 PM	0	239	19	0	258	0	0	0	0	0	10	188	0	0	198	13	0	16	0	29	485
Total	1	942	73	0	1016	0	0	0	0	0	35	821	1	0	857	41	0	71	0	112	1985
05:00 PM	0	265	25	0	290	0	0	0	0	0	7	203	0	0	210	4	0	16	0	20	520
05:15 PM	0	257	25	1	283	0	0	0	0	0	11	183	0	0	194	11	0	15	0	26	503
05:30 PM	0	247	16	0	263	0	0	0	0	0	8	161	0	0	169	12	0	11	0	23	455
05:45 PM	0	225	15	0	240	0	0	0	0	0	8	173	0	0	181	11	0	8	0	19	440
Total	0	994	81	1	1076	0	0	0	0	0	34	720	0	0	754	38	0	50	0	88	1918
Grand Total	2	2860	218	2	3082	0	0	0	0	0	95	2302	3	0	2400	113	0	174	0	287	5769
Apprch %	0.1	92.8	7.1	0.1	53.4	0	0	0	0	0	4	95.9	0.1	0	39.4	0	60.6	0	3	5	
Total %	0	49.6	3.8	0	0	0	0	0	0	0	1.6	39.9	0.1	0	41.6	0	0	0	0	0	

T. J. Brown & Associates
 PO Box 9442
 Kansas City, Missouri 64133
 Phone: 816-223-1671

File Name : 32Rte B-1a
 Site Code : 00000000
 Start Date : 5/8/2019
 Page No : 1

Start Time	West 32nd Street From North					Route B From East					Groups Printed-Autos Dominos Driveway From South					Route B From West						
	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total	
03:00 PM	34	2	4	0	40	0	31	39	0	70	0	1	0	0	1	2	31	0	0	33	144	
03:15 PM	43	0	1	0	44	0	34	30	0	64	0	0	0	0	0	4	28	0	0	32	140	
03:30 PM	16	4	2	0	22	2	35	35	0	72	0	1	2	0	3	6	46	0	0	52	149	
03:45 PM	23	3	6	0	32	0	26	47	0	73	0	4	3	0	7	8	52	1	0	61	173	
Total	116	9	13	0	138	2	126	151	0	279	0	6	5	0	11	20	157	1	0	178	606	
04:00 PM	27	1	1	0	29	1	27	39	0	67	0	0	1	0	1	3	35	0	0	38	135	
04:15 PM	21	0	1	0	22	2	36	30	0	68	0	0	0	0	0	6	26	1	0	33	123	
04:30 PM	30	0	2	0	32	2	29	34	0	65	0	0	0	0	0	9	41	0	0	50	147	
04:45 PM	40	3	3	0	46	2	30	33	0	65	0	0	0	0	0	2	4	27	0	0	31	144
Total	118	4	7	0	129	7	122	136	0	265	0	0	3	0	3	22	129	1	0	152	549	
05:00 PM	30	1	2	0	33	0	30	37	0	67	0	1	2	0	3	3	40	0	0	43	146	
05:15 PM	32	1	0	0	33	2	36	28	0	66	1	1	2	0	4	5	35	0	0	40	143	
05:30 PM	39	2	1	0	42	2	21	28	0	51	0	2	1	0	3	1	24	0	0	25	121	
05:45 PM	22	2	0	26	1	16	27	0	44	0	1	2	0	0	3	7	17	0	0	24	97	
Total	123	6	5	0	134	5	103	120	0	228	1	5	7	0	13	16	116	0	0	132	507	
Grand Total	357	19	25	0	401	14	351	407	0	772	1	11	15	0	27	58	402	2	0	462	1662	
Apprich %	89	4.7	6.2	0	1.8	45.5	52.7	0	7.7	3.7	40.7	55.6	0	2.7	12.6	8.7	0.4	0	0	462	1662	
Total %	21.5	1.1	1.5	0	24.1	0.8	21.1	24.5	0	46.5	0.1	0.7	0.9	0	1.6	3.5	24.2	0.1	0	27.8		

T. J. Brown & Associates
 PO Box 9442
 Kansas City, Missouri 64133
 Phone: 816-223-1671

File Name : 32Highway-1a
 Site Code : 00000000
 Start Date : 5/9/2019
 Page No : 1

Start Time	Highway From North					West 32nd Street From East					Groups Printed-Autos					West 32nd Street From West						
	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total	
03:00 PM	6	0	2	0	8	0	30	2	0	32	0	0	0	0	4	38	0	0	0	42	82	
03:15 PM	2	0	3	0	5	0	23	4	0	27	0	0	0	0	4	46	0	0	0	50	82	
03:30 PM	1	0	0	0	1	0	33	9	0	42	0	0	0	0	1	20	0	0	0	21	64	
03:45 PM	5	0	2	0	7	0	42	12	0	54	0	0	0	0	2	14	0	0	0	16	77	
Total	14	0	7	0	21	0	128	27	0	155	0	0	0	0	0	11	118	0	0	0	129	305
04:00 PM	3	0	1	0	4	0	39	6	0	45	0	0	0	0	0	2	33	0	0	0	35	84
04:15 PM	1	0	1	0	2	0	36	0	0	36	0	0	0	0	0	3	25	0	0	0	28	66
04:30 PM	3	0	1	0	4	0	38	5	0	43	0	0	0	0	0	9	33	0	0	0	42	89
04:45 PM	9	0	3	0	12	0	31	3	0	34	0	0	0	0	0	0	25	0	0	0	25	71
Total	16	0	6	0	22	0	144	14	0	158	0	0	0	0	0	14	116	0	0	0	130	310
05:00 PM	5	0	3	0	8	0	49	5	0	54	0	0	0	0	0	5	35	0	0	0	40	102
05:15 PM	5	0	3	0	8	0	35	3	0	38	0	0	0	0	0	3	43	1	0	0	47	93
05:30 PM	2	0	0	0	2	0	19	3	0	22	0	0	0	0	0	0	27	0	0	0	27	51
05:45 PM	1	0	1	0	2	0	25	0	0	25	0	0	0	0	0	0	0	26	0	0	0	28
Total	13	0	7	0	20	0	128	11	0	139	0	0	0	0	0	10	131	1	0	0	142	301
Grand Total	43	0	20	0	63	0	400	52	0	452	0	0	0	0	0	35	365	1	0	0	401	916
Apprich %	68.3	0	31.7	0	88.5	0	11.5	0	0	49.3	0	0	0	0	0	87	91	0.2	0	0	43.8	916
Total %	4.7	0	2.2	0	6.9	0	43.7	5.7	0	49.3	0	0	0	0	0	3.8	39.8	0.1	0	0	43.8	916

T. J. Brown & Associates
 PO Box 9442
 Kansas City, Missouri 64133
 Phone: 816-223-1671

File Name : 3265Hwy-1a
 Site Code : 00000111
 Start Date : 5/14/2019
 Page No : 1

Start Time	65 Highway From North					32nd Street From East					Groups Printed- Autos					65 Highway From South					32nd Street From West						
	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total	
03:00 PM	36	179	30	0	245	28	36	32	0	96	9	122	21	0	152	24	30	13	0	67	560						
03:15 PM	48	170	31	0	249	37	35	39	0	111	7	108	13	0	128	22	27	10	0	59	547						
03:30 PM	30	209	15	0	254	48	28	29	0	105	15	153	50	0	218	31	36	6	0	73	650						
03:45 PM	36	214	25	0	275	41	20	36	0	97	26	196	56	0	278	43	36	5	0	84	734						
Total	150	772	101	0	1023	154	119	136	0	409	57	579	140	0	776	120	129	34	0	283	2491						
04:00 PM	62	205	17	0	284	34	29	35	0	98	27	158	62	0	247	32	37	5	0	74	703						
04:15 PM	49	199	24	0	272	23	27	37	0	87	9	147	31	0	187	23	23	13	0	59	605						
04:30 PM	32	149	19	0	200	32	21	35	0	88	11	132	23	0	166	29	36	9	0	74	528						
04:45 PM	49	185	23	0	257	27	24	56	0	107	8	139	29	0	176	26	22	13	1	62	602						
Total	192	738	83	0	1013	116	101	163	0	380	55	576	145	0	776	110	118	40	1	269	2438						
05:00 PM	36	185	31	0	252	36	35	52	0	123	12	134	33	0	179	28	30	8	0	66	620						
05:15 PM	35	207	24	0	266	29	37	34	0	100	11	117	33	0	161	18	54	10	0	82	609						
05:30 PM	53	174	37	0	264	36	27	41	0	104	13	113	43	0	169	22	33	9	0	64	601						
05:45 PM	41	185	27	0	253	33	16	31	0	80	7	69	27	0	103	28	37	11	0	76	512						
Total	165	751	119	0	1035	134	115	158	0	407	43	433	136	0	612	96	154	38	0	288	2342						
Grand Total	507	2261	303	0	3071	404	335	457	0	1196	155	1588	421	0	2164	326	401	112	1	840	7271						
Approch %	16.5	73.6	9.9	0	33.8	28	38.2	0			7.2	73.4	19.5	0		38.8	47.7	13.3	0.1	0							
Total %	7	31.1	4.2	0	42.2	5.6	4.6	6.3	0	16.4	2.1	21.8	5.8	0	29.8	4.5	5.5	1.5	0	11.6							

65 Highway South of Ryan

Time	Northbound	Total	Time	Southbound	Total
9:00 AM	0	0	9:00 AM	0	0
9:15 AM	93	93	9:15 AM	0	0
9:30 AM	99	99	9:30 AM	67	67
9:45 AM	106	106	9:45 AM	97	97
10:00 AM	107	107	10:00 AM	87	87
10:15 AM	113	113	10:15 AM	81	81
10:30 AM	112	112	10:30 AM	91	91
10:45 AM	106	106	10:45 AM	100	100
11:00 AM	94	94	11:00 AM	96	96
11:15 AM	103	103	11:15 AM	113	113
11:30 AM	81	81	11:30 AM	123	123
11:45 AM	113	113	11:45 AM	104	104
12:00 PM	94	94	12:00 PM	108	108
12:15 PM	96	96	12:15 PM	108	108
12:30 PM	99	99	12:30 PM	107	107
12:45 PM	95	95	12:45 PM	100	100
1:00 PM	90	90	1:00 PM	123	123
1:15 PM	88	88	1:15 PM	102	102
1:30 PM	105	105	1:30 PM	116	116
1:45 PM	86	86	1:45 PM	117	117
2:00 PM	128	128	2:00 PM	122	122
2:15 PM	107	107	2:15 PM	137	137
2:30 PM	103	103	2:30 PM	112	112
2:45 PM	106	106	2:45 PM	128	128
3:00 PM	117	117	3:00 PM	129	129
3:15 PM	77	77	3:15 PM	163	163
3:30 PM	106	106	3:30 PM	190	190
3:45 PM	107	107	3:45 PM	171	171
4:00 PM	104	104	4:00 PM	196	196
4:15 PM	74	74	4:15 PM	171	171
4:30 PM	90	90	4:30 PM	177	177
4:45 PM	78	78	4:45 PM	184	184
5:00 PM	97	97	5:00 PM	179	179
5:15 PM	86	86	5:15 PM	202	202
5:30 PM	89	89	5:30 PM	148	148
5:45 PM	73	73	5:45 PM	154	154
6:00 PM	56	56	6:00 PM	113	113
6:15 PM	56	56	6:15 PM	116	116
6:30 PM	60	60	6:30 PM	102	102
6:45 PM	71	71	6:45 PM	82	82
7:00 PM	60	60	7:00 PM	84	84
7:15 PM	51	51	7:15 PM	82	82
7:30 PM	51	51	7:30 PM	72	72
7:45 PM	55	55	7:45 PM	81	81

8:00 PM	66	66	8:00 PM	72	72
8:15 PM	39	39	8:15 PM	80	80
8:30 PM	37	37	8:30 PM	55	55
8:45 PM	24	24	8:45 PM	36	36
9:00 PM	15	15	9:00 PM	37	37
9:15 PM	18	18	9:15 PM	32	32
9:30 PM	16	16	9:30 PM	27	27
9:45 PM	24	24	9:45 PM	36	36
10:00 PM	27	27	10:00 PM	39	39
10:15 PM	21	21	10:15 PM	29	29
10:30 PM	24	24	10:30 PM	24	24
10:45 PM	13	13	10:45 PM	35	35
11:00 PM	17	17	11:00 PM	24	24
11:15 PM	9	9	11:15 PM	15	15
11:30 PM	8	8	11:30 PM	17	17
11:45 PM	8	8	11:45 PM	18	18
5/23/2019	8	8	5/23/2019	22	22
12:15 AM	5	5	12:15 AM	12	12
12:30 AM	12	12	12:30 AM	9	9
12:45 AM	8	8	12:45 AM	13	13
1:00 AM	4	4	1:00 AM	12	12
1:15 AM	7	7	1:15 AM	10	10
1:30 AM	5	5	1:30 AM	14	14
1:45 AM	4	4	1:45 AM	9	9
2:00 AM	3	3	2:00 AM	7	7
2:15 AM	8	8	2:15 AM	11	11
2:30 AM	5	5	2:30 AM	8	8
2:45 AM	6	6	2:45 AM	6	6
3:00 AM	6	6	3:00 AM	3	3
3:15 AM	10	10	3:15 AM	11	11
3:30 AM	18	18	3:30 AM	2	2
3:45 AM	20	20	3:45 AM	2	2
4:00 AM	21	21	4:00 AM	9	9
4:15 AM	38	38	4:15 AM	4	4
4:30 AM	34	34	4:30 AM	5	5
4:45 AM	27	27	4:45 AM	8	8
5:00 AM	32	32	5:00 AM	13	13
5:15 AM	43	43	5:15 AM	19	19
5:30 AM	79	79	5:30 AM	17	17
5:45 AM	82	82	5:45 AM	18	18
6:00 AM	106	106	6:00 AM	21	21
6:15 AM	129	129	6:15 AM	39	39
6:30 AM	150	150	6:30 AM	39	39
6:45 AM	117	117	6:45 AM	45	45
7:00 AM	113	113	7:00 AM	56	56
7:15 AM	143	143	7:15 AM	66	66
7:30 AM	169	169	7:30 AM	56	56

7:45 AM	157	157	7:45 AM	58	58
8:00 AM	101	101	8:00 AM	66	66
8:15 AM	125	125	8:15 AM	76	76
8:30 AM	121	121	8:30 AM	80	80
8:45 AM	119	119	8:45 AM	73	73
9:00 AM	102	102	9:00 AM	85	85
9:15 AM	91	91	9:15 AM	92	92
9:30 AM	90	90	9:30 AM	71	71
9:45 AM	80	80	9:45 AM	94	94
10:00 AM	88	88	10:00 AM	86	86
10:15 AM	94	94	10:15 AM	102	102
10:30 AM	103	103	10:30 AM	88	88
10:45 AM	114	114	10:45 AM	91	91
11:00 AM	97	97	11:00 AM	113	113
11:15 AM	128	128	11:15 AM	110	110
11:30 AM	119	119	11:30 AM	103	103
11:45 AM	98	98	11:45 AM	116	116
12:00 PM	107	107	12:00 PM	104	104
12:15 PM	101	101	12:15 PM	120	120
12:30 PM	100	100	12:30 PM	129	129
12:45 PM	105	105	12:45 PM	127	127
1:00 PM	110	110	1:00 PM	139	139
1:15 PM	111	111	1:15 PM	127	127
1:30 PM	113	113	1:30 PM	152	152
1:45 PM	106	106	1:45 PM	141	141
2:00 PM	118	118	2:00 PM	124	124
2:15 PM	107	107	2:15 PM	155	155
2:30 PM	113	113	2:30 PM	146	146
2:45 PM	95	95	2:45 PM	143	143
3:00 PM	99	99	3:00 PM	178	178
3:15 PM	101	101	3:15 PM	165	165
3:30 PM	86	86	3:30 PM	197	197
3:45 PM	111	111	3:45 PM	195	195
4:00 PM	100	100	4:00 PM	213	213
4:15 PM	92	92	4:15 PM	219	219
4:30 PM	109	109	4:30 PM	210	210
4:45 PM	94	94	4:45 PM	207	207
5:00 PM	105	105	5:00 PM	197	197
5:15 PM	89	89	5:15 PM	223	223
5:30 PM	101	101	5:30 PM	198	198
5:45 PM	101	101	5:45 PM	167	167
6:00 PM	66	66	6:00 PM	178	178
6:15 PM	84	84	6:15 PM	166	166
6:30 PM	77	77	6:30 PM	154	154
6:45 PM	77	77	6:45 PM	147	147
7:00 PM	54	54	7:00 PM	122	122
7:15 PM	52	52	7:15 PM	132	132

7:30 PM	56	56	7:30 PM	132	132
7:45 PM	51	51	7:45 PM	107	107
8:00 PM	41	41	8:00 PM	132	132
8:15 PM	53	53	8:15 PM	96	96
8:30 PM	43	43	8:30 PM	124	124
8:45 PM	45	45	8:45 PM	99	99
9:00 PM	29	29	9:00 PM	101	101
9:15 PM	50	50	9:15 PM	93	93
9:30 PM	34	34	9:30 PM	93	93
9:45 PM	23	23	9:45 PM	63	63
10:00 PM	29	29	10:00 PM	63	63
10:15 PM	28	28	10:15 PM	42	42
10:30 PM	22	22	10:30 PM	37	37
10:45 PM	31	31	10:45 PM	45	45
11:00 PM	8	8	11:00 PM	32	32
11:15 PM	20	20	11:15 PM	36	36
11:30 PM	20	20	11:30 PM	31	31
11:45 PM	7	7	11:45 PM	22	22
5/24/2019	11	11	5/24/2019	34	34
12:15 AM	8	8	12:15 AM	18	18
12:30 AM	10	10	12:30 AM	13	13
12:45 AM	11	11	12:45 AM	17	17
1:00 AM	6	6	1:00 AM	12	12
1:15 AM	7	7	1:15 AM	20	20
1:30 AM	3	3	1:30 AM	15	15
1:45 AM	7	7	1:45 AM	11	11
2:00 AM	2	2	2:00 AM	9	9
2:15 AM	3	3	2:15 AM	13	13
2:30 AM	5	5	2:30 AM	10	10
2:45 AM	4	4	2:45 AM	8	8
3:00 AM	12	12	3:00 AM	10	10
3:15 AM	11	11	3:15 AM	13	13
3:30 AM	20	20	3:30 AM	11	11
3:45 AM	16	16	3:45 AM	5	5
4:00 AM	19	19	4:00 AM	12	12
4:15 AM	39	39	4:15 AM	8	8
4:30 AM	33	33	4:30 AM	9	9
4:45 AM	32	32	4:45 AM	8	8
5:00 AM	36	36	5:00 AM	15	15
5:15 AM	46	46	5:15 AM	30	30
5:30 AM	64	64	5:30 AM	25	25
5:45 AM	73	73	5:45 AM	18	18
6:00 AM	88	88	6:00 AM	26	26
6:15 AM	114	114	6:15 AM	33	33
6:30 AM	138	138	6:30 AM	41	41
6:45 AM	126	126	6:45 AM	45	45
7:00 AM	112	112	7:00 AM	57	57

7:15 AM	136	136	7:15 AM	75	75
7:30 AM	142	142	7:30 AM	60	60
7:45 AM	139	139	7:45 AM	75	75
8:00 AM	130	130	8:00 AM	68	68
8:15 AM	114	114	8:15 AM	78	78
8:30 AM	141	141	8:30 AM	91	91
8:45 AM	107	107	8:45 AM	75	75
9:00 AM	108	108	9:00 AM	100	100
9:15 AM	120	120	9:15 AM	103	103
9:30 AM	111	111	9:30 AM	103	103
9:45 AM	111	111	9:45 AM	125	125
10:00 AM	115	115	10:00 AM	128	128
10:15 AM	108	108	10:15 AM	138	138
10:30 AM	120	120	10:30 AM	142	142
10:45 AM	115	115	10:45 AM	169	169
11:00 AM	115	115	11:00 AM	158	158
11:15 AM	124	124	11:15 AM	145	145
11:30 AM	109	109	11:30 AM	182	182
11:45 AM	118	118	11:45 AM	165	165
12:00 PM	123	123	12:00 PM	165	165
12:15 PM	106	106	12:15 PM	167	167
12:30 PM	118	118	12:30 PM	175	175
12:45 PM	120	120	12:45 PM	192	192
1:00 PM	121	121	1:00 PM	204	204
1:15 PM	121	121	1:15 PM	213	213
1:30 PM	127	127	1:30 PM	217	217
1:45 PM	130	130	1:45 PM	240	240
2:00 PM	99	99	2:00 PM	252	252
2:15 PM	115	115	2:15 PM	242	242
2:30 PM	111	111	2:30 PM	267	267
2:45 PM	101	101	2:45 PM	289	289
3:00 PM	100	100	3:00 PM	235	235
3:15 PM	89	89	3:15 PM	253	253
3:30 PM	99	99	3:30 PM	271	271
3:45 PM	108	108	3:45 PM	287	287
4:00 PM	110	110	4:00 PM	269	269
4:15 PM	105	105	4:15 PM	303	303
4:30 PM	101	101	4:30 PM	291	291
4:45 PM	110	110	4:45 PM	273	273
5:00 PM	109	109	5:00 PM	260	260
5:15 PM	94	94	5:15 PM	296	296
5:30 PM	103	103	5:30 PM	287	287
5:45 PM	96	96	5:45 PM	297	297
6:00 PM	86	86	6:00 PM	279	279
6:15 PM	87	87	6:15 PM	241	241
6:30 PM	94	94	6:30 PM	326	326
6:45 PM	81	81	6:45 PM	284	284

7:00 PM	63	63	7:00 PM	266	266
7:15 PM	70	70	7:15 PM	249	249
7:30 PM	54	54	7:30 PM	255	255
7:45 PM	67	67	7:45 PM	256	256
8:00 PM	67	67	8:00 PM	213	213
8:15 PM	61	61	8:15 PM	178	178
8:30 PM	46	46	8:30 PM	172	172
8:45 PM	44	44	8:45 PM	169	169
9:00 PM	42	42	9:00 PM	110	110
9:15 PM	44	44	9:15 PM	112	112
9:30 PM	41	41	9:30 PM	123	123
9:45 PM	35	35	9:45 PM	98	98
10:00 PM	33	33	10:00 PM	94	94
10:15 PM	34	34	10:15 PM	85	85
10:30 PM	27	27	10:30 PM	59	59
10:45 PM	22	22	10:45 PM	60	60
11:00 PM	12	12	11:00 PM	43	43
11:15 PM	17	17	11:15 PM	31	31
11:30 PM	20	20	11:30 PM	30	30
11:45 PM	19	19	11:45 PM	22	22
5/25/2019	12	12	5/25/2019	28	28
12:15 AM	4	4	12:15 AM	36	36
12:30 AM	8	8	12:30 AM	17	17
12:45 AM	7	7	12:45 AM	20	20
1:00 AM	12	12	1:00 AM	18	18
1:15 AM	12	12	1:15 AM	18	18
1:30 AM	3	3	1:30 AM	16	16
1:45 AM	7	7	1:45 AM	8	8
2:00 AM	9	9	2:00 AM	10	10
2:15 AM	4	4	2:15 AM	7	7
2:30 AM	3	3	2:30 AM	8	8
2:45 AM	3	3	2:45 AM	7	7
3:00 AM	12	12	3:00 AM	1	1
3:15 AM	4	4	3:15 AM	4	4
3:30 AM	5	5	3:30 AM	5	5
3:45 AM	9	9	3:45 AM	7	7
4:00 AM	5	5	4:00 AM	6	6
4:15 AM	12	12	4:15 AM	13	13
4:30 AM	18	18	4:30 AM	5	5
4:45 AM	11	11	4:45 AM	6	6
5:00 AM	14	14	5:00 AM	11	11
5:15 AM	25	25	5:15 AM	10	10
5:30 AM	26	26	5:30 AM	12	12
5:45 AM	33	33	5:45 AM	14	14
6:00 AM	31	31	6:00 AM	14	14
6:15 AM	38	38	6:15 AM	30	30
6:30 AM	46	46	6:30 AM	20	20

6:45 AM	35	35	6:45 AM	34	34
7:00 AM	37	37	7:00 AM	30	30
7:15 AM	47	47	7:15 AM	45	45
7:30 AM	75	75	7:30 AM	49	49
7:45 AM	69	69	7:45 AM	49	49
8:00 AM	70	70	8:00 AM	74	74
8:15 AM	83	83	8:15 AM	70	70
8:30 AM	107	107	8:30 AM	89	89
8:45 AM	86	86	8:45 AM	106	106
9:00 AM	111	111	9:00 AM	123	123
9:15 AM	104	104	9:15 AM	142	142
9:30 AM	100	100	9:30 AM	132	132
9:45 AM	103	103	9:45 AM	150	150
10:00 AM	105	105	10:00 AM	146	146
10:15 AM	110	110	10:15 AM	207	207
10:30 AM	111	111	10:30 AM	181	181
10:45 AM	124	124	10:45 AM	177	177
11:00 AM	128	128	11:00 AM	193	193
11:15 AM	122	122	11:15 AM	176	176
11:30 AM	115	115	11:30 AM	177	177
11:45 AM	103	103	11:45 AM	180	180
12:00 PM	105	105	12:00 PM	179	179
12:15 PM	103	103	12:15 PM	178	178
12:30 PM	113	113	12:30 PM	181	181
12:45 PM	102	102	12:45 PM	160	160
1:00 PM	90	90	1:00 PM	182	182
1:15 PM	112	112	1:15 PM	178	178
1:30 PM	95	95	1:30 PM	168	168
1:45 PM	104	104	1:45 PM	172	172
2:00 PM	94	94	2:00 PM	177	177
2:15 PM	103	103	2:15 PM	152	152
2:30 PM	96	96	2:30 PM	174	174
2:45 PM	100	100	2:45 PM	149	149
3:00 PM	133	133	3:00 PM	138	138
3:15 PM	116	116	3:15 PM	165	165
3:30 PM	88	88	3:30 PM	141	141
3:45 PM	94	94	3:45 PM	160	160
4:00 PM	84	84	4:00 PM	124	124
4:15 PM	90	90	4:15 PM	162	162
4:30 PM	82	82	4:30 PM	121	121
4:45 PM	93	93	4:45 PM	124	124
5:00 PM	121	121	5:00 PM	127	127
5:15 PM	103	103	5:15 PM	134	134
5:30 PM	82	82	5:30 PM	137	137
5:45 PM	75	75	5:45 PM	129	129
6:00 PM	74	74	6:00 PM	97	97
6:15 PM	83	83	6:15 PM	121	121

6:30 PM	104	104	6:30 PM	120	120
6:45 PM	86	86	6:45 PM	105	105
7:00 PM	76	76	7:00 PM	96	96
7:15 PM	69	69	7:15 PM	89	89
7:30 PM	62	62	7:30 PM	87	87
7:45 PM	52	52	7:45 PM	77	77
8:00 PM	79	79	8:00 PM	75	75
8:15 PM	75	75	8:15 PM	67	67
8:30 PM	59	59	8:30 PM	77	77
8:45 PM	77	77	8:45 PM	64	64
9:00 PM	79	79	9:00 PM	62	62
9:15 PM	57	57	9:15 PM	61	61
9:30 PM	54	54	9:30 PM	57	57
9:45 PM	51	51	9:45 PM	62	62
10:00 PM	48	48	10:00 PM	45	45
10:15 PM	37	37	10:15 PM	49	49
10:30 PM	33	33	10:30 PM	43	43
10:45 PM	50	50	10:45 PM	34	34
11:00 PM	25	25	11:00 PM	37	37
11:15 PM	26	26	11:15 PM	39	39
11:30 PM	24	24	11:30 PM	25	25
11:45 PM	25	25	11:45 PM	34	34
5/26/2019	23	23	5/26/2019	18	18
12:15 AM	16	16	12:15 AM	17	17
12:30 AM	14	14	12:30 AM	18	18
12:45 AM	15	15	12:45 AM	6	6
1:00 AM	9	9	1:00 AM	13	13
1:15 AM	12	12	1:15 AM	13	13
1:30 AM	7	7	1:30 AM	6	6
1:45 AM	6	6	1:45 AM	10	10
2:00 AM	6	6	2:00 AM	9	9
2:15 AM	1	1	2:15 AM	2	2
2:30 AM	5	5	2:30 AM	6	6
2:45 AM	3	3	2:45 AM	5	5
3:00 AM	6	6	3:00 AM	9	9
3:15 AM	4	4	3:15 AM	4	4
3:30 AM	6	6	3:30 AM	4	4
3:45 AM	3	3	3:45 AM	1	1
4:00 AM	7	7	4:00 AM	2	2
4:15 AM	10	10	4:15 AM	2	2
4:30 AM	11	11	4:30 AM	2	2
4:45 AM	4	4	4:45 AM	9	9
5:00 AM	7	7	5:00 AM	8	8
5:15 AM	10	10	5:15 AM	10	10
5:30 AM	18	18	5:30 AM	7	7
5:45 AM	22	22	5:45 AM	9	9
6:00 AM	21	21	6:00 AM	7	7

6:15 AM	24	24	6:15 AM	21	21
6:30 AM	28	28	6:30 AM	14	14
6:45 AM	20	20	6:45 AM	14	14
7:00 AM	14	14	7:00 AM	17	17
7:15 AM	32	32	7:15 AM	31	31
7:30 AM	42	42	7:30 AM	36	36
7:45 AM	35	35	7:45 AM	27	27
8:00 AM	52	52	8:00 AM	24	24
8:15 AM	59	59	8:15 AM	43	43
8:30 AM	60	60	8:30 AM	45	45
8:45 AM	65	65	8:45 AM	60	60
9:00 AM	70	70	9:00 AM	64	64
9:15 AM	70	70	9:15 AM	75	75
9:30 AM	85	85	9:30 AM	83	83
9:45 AM	106	106	9:45 AM	81	81
10:00 AM	88	88	10:00 AM	75	75
10:15 AM	100	100	10:15 AM	103	103
10:30 AM	115	115	10:30 AM	95	95
10:45 AM	127	127	10:45 AM	93	93
11:00 AM	136	136	11:00 AM	108	108
11:15 AM	125	125	11:15 AM	95	95
11:30 AM	142	142	11:30 AM	123	123
11:45 AM	151	151	11:45 AM	114	114
12:00 PM	163	163	12:00 PM	111	111
12:15 PM	139	139	12:15 PM	121	121
12:30 PM	148	148	12:30 PM	118	118
12:45 PM	108	108	12:45 PM	119	119
1:00 PM	121	121	1:00 PM	131	131
1:15 PM	124	124	1:15 PM	116	116
1:30 PM	108	108	1:30 PM	99	99
1:45 PM	130	130	1:45 PM	106	106
2:00 PM	126	126	2:00 PM	103	103
2:15 PM	118	118	2:15 PM	131	131
2:30 PM	127	127	2:30 PM	106	106
2:45 PM	113	113	2:45 PM	127	127
3:00 PM	110	110	3:00 PM	118	118
3:15 PM	118	118	3:15 PM	110	110
3:30 PM	121	121	3:30 PM	96	96
3:45 PM	115	115	3:45 PM	135	135
4:00 PM	117	117	4:00 PM	119	119
4:15 PM	121	121	4:15 PM	99	99
4:30 PM	137	137	4:30 PM	111	111
4:45 PM	119	119	4:45 PM	100	100
5:00 PM	115	115	5:00 PM	92	92
5:15 PM	115	115	5:15 PM	82	82
5:30 PM	124	124	5:30 PM	89	89
5:45 PM	120	120	5:45 PM	79	79

6:00 PM	117	117	6:00 PM	79	79
6:15 PM	92	92	6:15 PM	91	91
6:30 PM	91	91	6:30 PM	89	89
6:45 PM	111	111	6:45 PM	75	75
7:00 PM	98	98	7:00 PM	86	86
7:15 PM	101	101	7:15 PM	59	59
7:30 PM	91	91	7:30 PM	57	57
7:45 PM	81	81	7:45 PM	44	44
8:00 PM	95	95	8:00 PM	81	81
8:15 PM	80	80	8:15 PM	66	66
8:30 PM	79	79	8:30 PM	45	45
8:45 PM	76	76	8:45 PM	55	55
9:00 PM	70	70	9:00 PM	45	45
9:15 PM	70	70	9:15 PM	44	44
9:30 PM	67	67	9:30 PM	46	46
9:45 PM	43	43	9:45 PM	32	32
10:00 PM	56	56	10:00 PM	34	34
10:15 PM	61	61	10:15 PM	26	26
10:30 PM	31	31	10:30 PM	37	37
10:45 PM	32	32	10:45 PM	28	28
11:00 PM	19	19	11:00 PM	28	28
11:15 PM	31	31	11:15 PM	26	26
11:30 PM	12	12	11:30 PM	19	19
11:45 PM	24	24	11:45 PM	21	21
5/27/2019	18	18	5/27/2019	16	16
12:15 AM	15	15	12:15 AM	14	14
12:30 AM	9	9	12:30 AM	13	13
12:45 AM	17	17	12:45 AM	14	14
1:00 AM	9	9	1:00 AM	11	11
1:15 AM	8	8	1:15 AM	6	6
1:30 AM	11	11	1:30 AM	2	2
1:45 AM	10	10	1:45 AM	6	6
2:00 AM	9	9	2:00 AM	3	3
2:15 AM	10	10	2:15 AM	3	3
2:30 AM	7	7	2:30 AM	7	7
2:45 AM	2	2	2:45 AM	3	3
3:00 AM	6	6	3:00 AM	9	9
3:15 AM	5	5	3:15 AM	8	8
3:30 AM	5	5	3:30 AM	3	3
3:45 AM	7	7	3:45 AM	2	2
4:00 AM	4	4	4:00 AM	5	5
4:15 AM	10	10	4:15 AM	3	3
4:30 AM	12	12	4:30 AM	4	4
4:45 AM	11	11	4:45 AM	6	6
5:00 AM	16	16	5:00 AM	4	4
5:15 AM	16	16	5:15 AM	15	15
5:30 AM	27	27	5:30 AM	16	16

5:45 AM	19	19	5:45 AM	8	8
6:00 AM	32	32	6:00 AM	11	11
6:15 AM	41	41	6:15 AM	22	22
6:30 AM	38	38	6:30 AM	9	9
6:45 AM	28	28	6:45 AM	19	19
7:00 AM	35	35	7:00 AM	20	20
7:15 AM	42	42	7:15 AM	31	31
7:30 AM	58	58	7:30 AM	32	32
7:45 AM	55	55	7:45 AM	33	33
8:00 AM	67	67	8:00 AM	30	30
8:15 AM	80	80	8:15 AM	49	49
8:30 AM	91	91	8:30 AM	34	34
8:45 AM	109	109	8:45 AM	47	47
9:00 AM	127	127	9:00 AM	57	57
9:15 AM	162	162	9:15 AM	59	59
9:30 AM	173	173	9:30 AM	57	57
9:45 AM	151	151	9:45 AM	62	62
10:00 AM	190	190	10:00 AM	86	86
10:15 AM	204	204	10:15 AM	64	64
10:30 AM	216	216	10:30 AM	74	74
10:45 AM	247	247	10:45 AM	84	84
11:00 AM	285	285	11:00 AM	59	59
11:15 AM	274	274	11:15 AM	71	71
11:30 AM	330	330	11:30 AM	80	80
11:45 AM	286	286	11:45 AM	94	94
12:00 PM	295	295	12:00 PM	82	82
12:15 PM	316	316	12:15 PM	81	81
12:30 PM	327	327	12:30 PM	90	90
12:45 PM	292	292	12:45 PM	98	98
1:00 PM	333	333	1:00 PM	96	96
1:15 PM	307	307	1:15 PM	85	85
1:30 PM	264	264	1:30 PM	78	78
1:45 PM	294	294	1:45 PM	92	92
2:00 PM	283	283	2:00 PM	88	88
2:15 PM	239	239	2:15 PM	108	108
2:30 PM	261	261	2:30 PM	102	102
2:45 PM	233	233	2:45 PM	80	80
3:00 PM	233	233	3:00 PM	96	96
3:15 PM	223	223	3:15 PM	95	95
3:30 PM	213	213	3:30 PM	101	101
3:45 PM	212	212	3:45 PM	93	93
4:00 PM	221	221	4:00 PM	84	84
4:15 PM	225	225	4:15 PM	97	97
4:30 PM	212	212	4:30 PM	82	82
4:45 PM	193	193	4:45 PM	93	93
5:00 PM	220	220	5:00 PM	71	71
5:15 PM	187	187	5:15 PM	80	80

5:30 PM	209	209	5:30 PM	68	68
5:45 PM	191	191	5:45 PM	88	88
6:00 PM	178	178	6:00 PM	77	77
6:15 PM	162	162	6:15 PM	63	63
6:30 PM	171	171	6:30 PM	53	53
6:45 PM	126	126	6:45 PM	52	52
7:00 PM	129	129	7:00 PM	61	61
7:15 PM	108	108	7:15 PM	83	83
7:30 PM	104	104	7:30 PM	55	55
7:45 PM	107	107	7:45 PM	41	41
8:00 PM	102	102	8:00 PM	55	55
8:15 PM	81	81	8:15 PM	38	38
8:30 PM	96	96	8:30 PM	38	38
8:45 PM	72	72	8:45 PM	43	43
9:00 PM	75	75	9:00 PM	53	53
9:15 PM	68	68	9:15 PM	45	45
9:30 PM	49	49	9:30 PM	35	35
9:45 PM	51	51	9:45 PM	21	21
10:00 PM	39	39	10:00 PM	35	35
10:15 PM	25	25	10:15 PM	21	21
10:30 PM	30	30	10:30 PM	21	21
10:45 PM	23	23	10:45 PM	12	12
11:00 PM	17	17	11:00 PM	16	16
11:15 PM	16	16	11:15 PM	6	6
11:30 PM	15	15	11:30 PM	14	14
11:45 PM	15	15	11:45 PM	9	9
5/28/2019	10	10	5/28/2019	16	16
12:15 AM	6	6	12:15 AM	13	13
12:30 AM	16	16	12:30 AM	11	11
12:45 AM	10	10	12:45 AM	6	6
1:00 AM	5	5	1:00 AM	9	9
1:15 AM	4	4	1:15 AM	6	6
1:30 AM	2	2	1:30 AM	6	6
1:45 AM	9	9	1:45 AM	3	3
2:00 AM	3	3	2:00 AM	3	3
2:15 AM	4	4	2:15 AM	3	3
2:30 AM	3	3	2:30 AM	7	7
2:45 AM	9	9	2:45 AM	3	3
3:00 AM	13	13	3:00 AM	5	5
3:15 AM	16	16	3:15 AM	7	7
3:30 AM	21	21	3:30 AM	3	3
3:45 AM	16	16	3:45 AM	5	5
4:00 AM	24	24	4:00 AM	3	3
4:15 AM	36	36	4:15 AM	13	13
4:30 AM	34	34	4:30 AM	11	11
4:45 AM	55	55	4:45 AM	11	11
5:00 AM	55	55	5:00 AM	16	16

5:15 AM	48	48	5:15 AM	16	16
5:30 AM	87	87	5:30 AM	15	15
5:45 AM	91	91	5:45 AM	21	21
6:00 AM	132	132	6:00 AM	28	28
6:15 AM	141	141	6:15 AM	24	24
6:30 AM	158	158	6:30 AM	38	38
6:45 AM	152	152	6:45 AM	40	40
7:00 AM	127	127	7:00 AM	47	47
7:15 AM	157	157	7:15 AM	67	67
7:30 AM	190	190	7:30 AM	61	61
7:45 AM	186	186	7:45 AM	50	50
8:00 AM	103	103	8:00 AM	58	58
8:15 AM	138	138	8:15 AM	50	50
8:30 AM	133	133	8:30 AM	63	63
8:45 AM	135	135	8:45 AM	53	53
9:00 AM	59	59	9:00 AM	0	0
Totals	44574	44574		45346	45346

Appendix B - VISTRO Reports

Vistro File: M:\...\Sedalia_AM.vistro

Scenario 7 Alt 1 Ext AM Base Scenario

Report File: M:\...\AM_ExtALT1_REPORT.pdf

7/23/2019

Intersection Analysis Summary

ID	Intersection Name	Control Type	Method	Worst Mvmt	V/C	Delay (s/veh)	LOS
1	W 32nd St & MO B & US 65	Signalized	HCM 6th Edition	SB Left	0.562	31.2	C
2	W 32nd St & MO B	Two-way stop	HCM 6th Edition		0.000	0.0	
3	W 32nd St & Clinton Rd	Two-way stop	HCM 6th Edition	EB Left	1.210	343.5	F
4	Highway Dr. & W32nd St.	Two-way stop	HCM 6th Edition	SB Left	0.042	11.3	B
9	US 65 & Plaza	Two-way stop	HCM 6th Edition	EB Left	1.059	250.9	F
11	James & Clinton	Two-way stop	HCM 6th Edition	SEB Left	0.022	15.0	C
29	MO B & Snyder Rd.	Two-way stop	HCM 6th Edition	NB Left	0.004	11.4	B

V/C, Delay, LOS: For two-way stop, these values are taken from the movement with the worst (highest) delay value. For all other control types, they are taken for the whole intersection.

Vistro File: M:\...\Sedalia_AM.vistro

Scenario 8 8 Alt 2 Ext AM Base Scenario

Report File: M:\...\AM_ExtALT2_REPORT.pdf

7/23/2019

Intersection Analysis Summary

ID	Intersection Name	Control Type	Method	Worst Mvmt	V/C	Delay (s/veh)	LOS
1	W 32nd St & MO B & US 65	Signalized	HCM 6th Edition	NB Left	0.697	47.1	D
2	W 32nd St & MO B	Two-way stop	HCM 6th Edition	SEB Left	0.306	15.1	C
3	W 32nd St & Clinton Rd	Two-way stop	HCM 6th Edition	WB Left	0.000	16.3	C
4	Highway Dr. & W32nd St.	Two-way stop	HCM 6th Edition	SB Left	0.042	11.3	B
9	US 65 & Plaza	Two-way stop	HCM 6th Edition	EB Right	0.146	12.8	B
11	James & Clinton	Two-way stop	HCM 6th Edition	SEB Left	0.022	15.0	C
29	MO B & Snyder Rd.	Two-way stop	HCM 6th Edition	NB Left	0.004	11.4	B

V/C, Delay, LOS: For two-way stop, these values are taken from the movement with the worst (highest) delay value. For all other control types, they are taken for the whole intersection.

Vistro File: M:\...\Sedalia_PM.vistro

Scenario 3 Alt 1 Future PM Base Scenario

Report File: M:\...\PM_ALT1_REPORT.pdf

7/10/2019

Intersection Analysis Summary

ID	Intersection Name	Control Type	Method	Worst Mvmt	V/C	Delay (s/veh)	LOS
1	W 32nd St & MO B & US 65	Signalized	HCM 6th Edition	NB Right	0.741	62.4	E
2	W 32nd St & MO B	Two-way stop	HCM 6th Edition	NEB Right	0.000	0.0	A
3	W 32nd St & Clinton Rd	Two-way stop	HCM 6th Edition	EB Left	0.848	210.0	F
4	Hwy Dr & W 32nd St	Two-way stop	HCM 6th Edition	SB Left	0.026	11.0	B
6	New Intersection	Two-way stop	HCM 6th Edition	WB Thru	0.000	9.0	A
8	New Intersection	Two-way stop	HCM 6th Edition	EB Left	0.000	8.5	A
9	US 65 & Plaza	Two-way stop	HCM 6th Edition	EB Left	2.697	1,229.4	F
11	James & Clinton	Two-way stop	HCM 6th Edition	SEB Thru	0.005	13.4	B
13	New Intersection	Two-way stop	HCM 6th Edition	NB Left	0.000	8.5	A
14	Heck Ave/ Limit Ct & US 65	Two-way stop	HCM 6th Edition	WB Thru	0.000	9.0	A
20	US 65 & Tiger Pride	Signalized	HCM 6th Edition	SB Thru	0.771	49.1	D
21	Sacajawea & US 65	Two-way stop	HCM 6th Edition	WB Thru	0.000	9.0	A
22	New Intersection	Two-way stop	HCM 6th Edition		0.000	0.0	
23	New Intersection	Unknown	?		?	?	?
24	New Intersection	Two-way stop	HCM 6th Edition	NB Left	0.000	8.5	A
26	New Intersection	Two-way stop	HCM 6th Edition	SB Left	0.000	8.5	A
27	Sacajawea & MO B	Two-way stop	HCM 6th Edition	WB Thru	0.000	9.0	A
28	New Intersection	Two-way stop	HCM 6th Edition	SEB Left	0.000	8.5	A

29	Snyder Rd & MO B	Two-way stop	HCM 6th Edition	NB Left	0.016	11.6	B
30	16th St & US 65	Signalized	HCM 6th Edition		0.000	0.0	A

V/C, Delay, LOS: For two-way stop, these values are taken from the movement with the worst (highest) delay value. For all other control types, they are taken for the whole intersection.

Vistro File: M:\...\Sedalia_AM.vistro

Report File: M:\...\AM_FutureNoBuild_REPORT.pdf

Scenario 2 Future AM Base Scenario

7/9/2019

Intersection Analysis Summary

ID	Intersection Name	Control Type	Method	Worst Mvmt	V/C	Delay (s/veh)	LOS
1	W 32nd St & MO B & US 65	Signalized	HCM 6th Edition	NB Right	0.920	119.6	F
2	W 32nd St & MO B	Two-way stop	HCM 6th Edition	SEB Left	0.315	15.6	C
3	W 32nd St & Clinton Rd	Two-way stop	HCM 6th Edition	EB Left	2.065	776.6	F
4	Highway Dr. & W32nd St.	Two-way stop	HCM 6th Edition	SB Left	0.044	11.5	B
6	New Intersection	Two-way stop	HCM 6th Edition	WB Thru	0.000	9.0	A
8	New Intersection	Two-way stop	HCM 6th Edition	EB Left	0.000	8.5	A
9	US 65 & Plaza	Two-way stop	HCM 6th Edition	EB Left	1.407	394.9	F
11	James & Clinton	Two-way stop	HCM 6th Edition	SEB Left	0.032	16.8	C
13	New Intersection	Two-way stop	HCM 6th Edition	NB Left	0.000	8.5	A
14	Heck Ave/ Limit Ct & US 65	Two-way stop	HCM 6th Edition	WB Thru	0.000	9.0	A
20	US 65 & Tiger Pride	Signalized	HCM 6th Edition	EB Left	0.474	11.3	B
21	Sacajawea & US 65	Two-way stop	HCM 6th Edition	WB Thru	0.000	9.0	A
22	New Intersection	Two-way stop	HCM 6th Edition		0.000	0.0	
23	New Intersection	Unknown	?		?	?	?
24	New Intersection	Two-way stop	HCM 6th Edition	NB Left	0.000	8.5	A
26	New Intersection	Two-way stop	HCM 6th Edition	SB Left	0.000	8.5	A
27	Sacajawea & MO B	Two-way stop	HCM 6th Edition	EB Left	0.080	13.5	B
28	New Intersection	Two-way stop	HCM 6th Edition	SEB Left	0.000	8.5	A

29	MO B & Snyder Rd.	Two-way stop	HCM 6th Edition	NB Left	0.006	11.8	B
30	16th St & US 65	Signalized	HCM 6th Edition	EB Left	0.638	36.6	D

V/C, Delay, LOS: For two-way stop, these values are taken from the movement with the worst (highest) delay value. For all other control types, they are taken for the whole intersection.

Vistro File: M:\...\Sedalia_PM.vistro

Scenario 2 Future PM Base Scenario

Report File: M:\...\PM_FUTURE_REPORT.pdf

7/10/2019

Intersection Analysis Summary

ID	Intersection Name	Control Type	Method	Worst Mvmt	V/C	Delay (s/veh)	LOS
1	W 32nd St & MO B & US 65	Signalized	HCM 6th Edition	NB Right	0.893	123.5	F
2	W 32nd St & MO B	Two-way stop	HCM 6th Edition	SEB Left	0.401	23.2	C
3	W 32nd St & Clinton Rd	Two-way stop	HCM 6th Edition	EB Left	0.848	210.0	F
4	Hwy Dr & W 32nd St	Two-way stop	HCM 6th Edition	SB Left	0.026	11.0	B
9	US 65 & Plaza	Two-way stop	HCM 6th Edition	EB Left	2.697	1,229.4	F
11	James & Clinton	Two-way stop	HCM 6th Edition	SEB Thru	0.005	13.4	B
29	Snyder Rd & MO B	Two-way stop	HCM 6th Edition	NB Left	0.016	11.6	B

V/C, Delay, LOS: For two-way stop, these values are taken from the movement with the worst (highest) delay value. For all other control types, they are taken for the whole intersection.

Vistro File: M:\...\Sedalia_PM.vistro

Scenario 4 Alt 2 Future PM Base Scenario

Report File: M:\...\PM_ALT2_REPORT.pdf

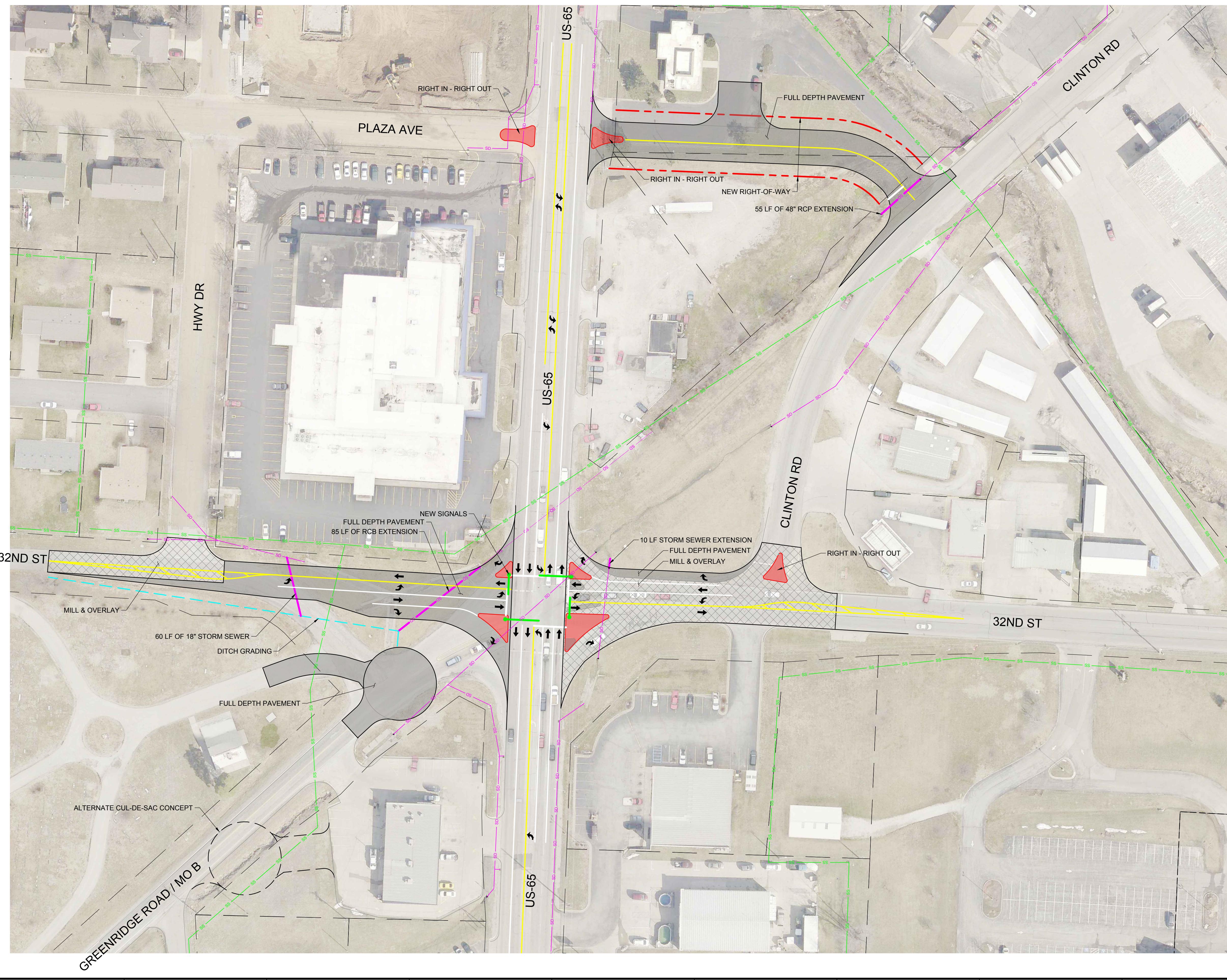
7/10/2019

Intersection Analysis Summary

ID	Intersection Name	Control Type	Method	Worst Mvmt	V/C	Delay (s/veh)	LOS
1	W 32nd St & MO B & US 65	Signalized	HCM 6th Edition	NB Right	0.893	123.5	F
2	W 32nd St & MO B	Two-way stop	HCM 6th Edition	SEB Left	0.401	23.2	C
3	W 32nd St & Clinton Rd	Two-way stop	HCM 6th Edition	WB Thru	0.460	15.3	C
4	Hwy Dr & W 32nd St	Two-way stop	HCM 6th Edition	SB Left	0.026	11.0	B
9	US 65 & Plaza	Two-way stop	HCM 6th Edition	EB Right	0.241	18.9	C
11	James & Clinton	Two-way stop	HCM 6th Edition	SEB Thru	0.005	13.4	B
29	Snyder Rd & MO B	Two-way stop	HCM 6th Edition	NB Left	0.016	11.6	B

V/C, Delay, LOS: For two-way stop, these values are taken from the movement with the worst (highest) delay value. For all other control types, they are taken for the whole intersection.

Appendix C – Interim Improvement CAD Layout



WILSON
& COMPANY

EAST 101ST TERRACE, SUITE 200
KANSAS CITY, MO 64131
PHONE: 816-942-3013
FAX: 816-942-3013
www.wilsonco.com
Cert. of Authority # 2030307599

SEAL	CONSULTANTS	CONCEPT LAYOUT NOT FOR CONSTRUCTION
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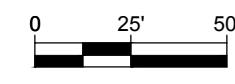
PROJECT NAME:
**CITY OF SEDALIA, MO
US-65 & 32ND STREET
TRAFFIC STUDY**

REV.	DATE	DESCRIPTION	BY

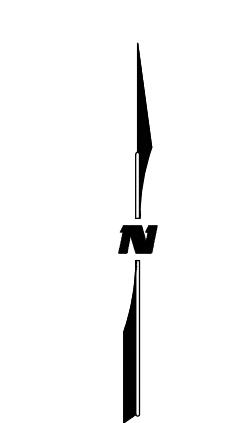
PROJECT NO: 14-100-509-15
DESIGNED BY: CDP/AAR
DRAWN BY: AAR
CHECKED BY: JCK
DATE: 8/8/2019

SHEET TITLE:
**INTERIM
INTERSECTION
IMPROVEMENTS**

SHEET NO:
EXHIBIT 1



0 25' 50'



N

S

E

W

Appendix D – Cost Estimate

ENGINEERS ESTIMATE OF PROBABLE CONSTRUCTION COST
CITY OF SEDALIA, MISSOURI
US-65 & 32nd Street Traffic Study
Interim Intersection Improvements Concept
Wilson & Company Project Number 14-100-509-15

Estimators: CDPorter
Stage: Concept

Date: 8/26/2019

ITEM NO.	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	TOTAL PRICE
1	Mobilization	1	LS	\$50,000	\$50,000
2	Demolition and Site Preparation	1	LS	\$50,000	\$50,000
3	Construction Staking	1	LS	\$15,000	\$15,000
4	Temporary Traffic Control	1	LS	\$15,000	\$15,000
5	Erosion Control	1	LS	\$10,000	\$10,000
6	Earthwork	2500	CY	\$20	\$50,000
7	2" Asphaltic Concrete Surface (Type 5-01)	4563	SY	\$15	\$68,443
8	7" Asphaltic Concrete Base Course (Type 1-01)	4563	SY	\$40	\$182,516
9	6" Subgrade Compaction	4563	SY	\$5	\$22,814
10	2" Cold Milling	2367	SY	\$5	\$11,836
11	2" Asphaltic Concrete Surface (Type 5-01)	2367	SY	\$15	\$35,508
12	Median Islands	2963	SF	\$5	\$14,815
13	Concrete Channel Lining (5")	2880	SF	\$6	\$17,280
14	Seeding/Restoration	1	ACRE	\$2,000	\$2,000
15	RCB Approx. 6' x 2' (Including headwall and wing walls)	85	LF	\$700	\$59,500
16	18" RCP	70	LF	\$100	\$7,000
17	48" RCP	55	LF	\$200	\$11,000
18	Pavement Markings & Signing	1	LS	\$10,000	\$10,000
19	Traffic Signal & Street Lighting	1	LS	\$300,000	\$300,000

Subtotal: \$932,712

Contingency (20%) \$186,542

Total Probable Construction Cost: \$1,119,254

WILSON
& COMPANY