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## **APPENDIX 3D**

### Alternatives Operations Analysis Memo

**I-15 // ENVIRONMENTAL  
IMPACT STATEMENT**  
Farmington to Salt Lake City

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# DRAFT - OPTIONS TRAFFIC OPERATIONS ANALYSIS

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JULY 27, 2023

PROJECT NO: S-I15-7(369)309 | PIN: 18857

The environmental review, consultation, and other actions required by applicable Federal environmental laws for this project are being or have been carried-out by UDOT pursuant to 23 U.S.C. 327 and a Memorandum of Understanding dated January 17, 2017, and executed by FHWA and UDOT.

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# Technical Memorandum

**TO:** Project Team, I-15 EIS; Farmington to Salt Lake City

**FROM:** Traffic Group, Horrocks

**DATE:** July 27, 2023

**SUBJECT:** DRAFT - Options Traffic Operations Analysis  
I-15 EIS; Farmington to Salt Lake City  
Project No. S-I15-7(369)309; PIN 18857

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## 1. INTRODUCTION

This memorandum details the results of the 2050 No-Action and design 2050 Options traffic operations analysis performed in support of the Utah Department of Transportation (UDOT) I-15 Environmental Impact Statement (EIS); Farmington to Salt Lake City project. The EIS team is evaluating improvements to I-15 between Farmington and Salt Lake City that are programmed for the Phase 1 project R-D-53, as identified in the Wasatch Front Regional Council (WFRC) 2019-2050 Regional Transportation Plan (2019). The UDOT-required traffic operations analysis for the 2050 No-Action and 2050 Options conditions are provided in this memorandum.

The traffic operations analysis contained in this memorandum is based on future land use, planned projects, and modeling assumptions detailed in the No-Build Travel Demand and Operational Analysis, Section 4. Most of this memo focuses on the interchange operations and the adjacent intersections; however, at the end the memo does cover freeway operations. If some of the assumptions change as the EIS study progresses, the results contained in this memorandum may be updated based on more current information.

The traffic study area for the I-15 EIS; Farmington to Salt Lake City is shown in Figure 1.

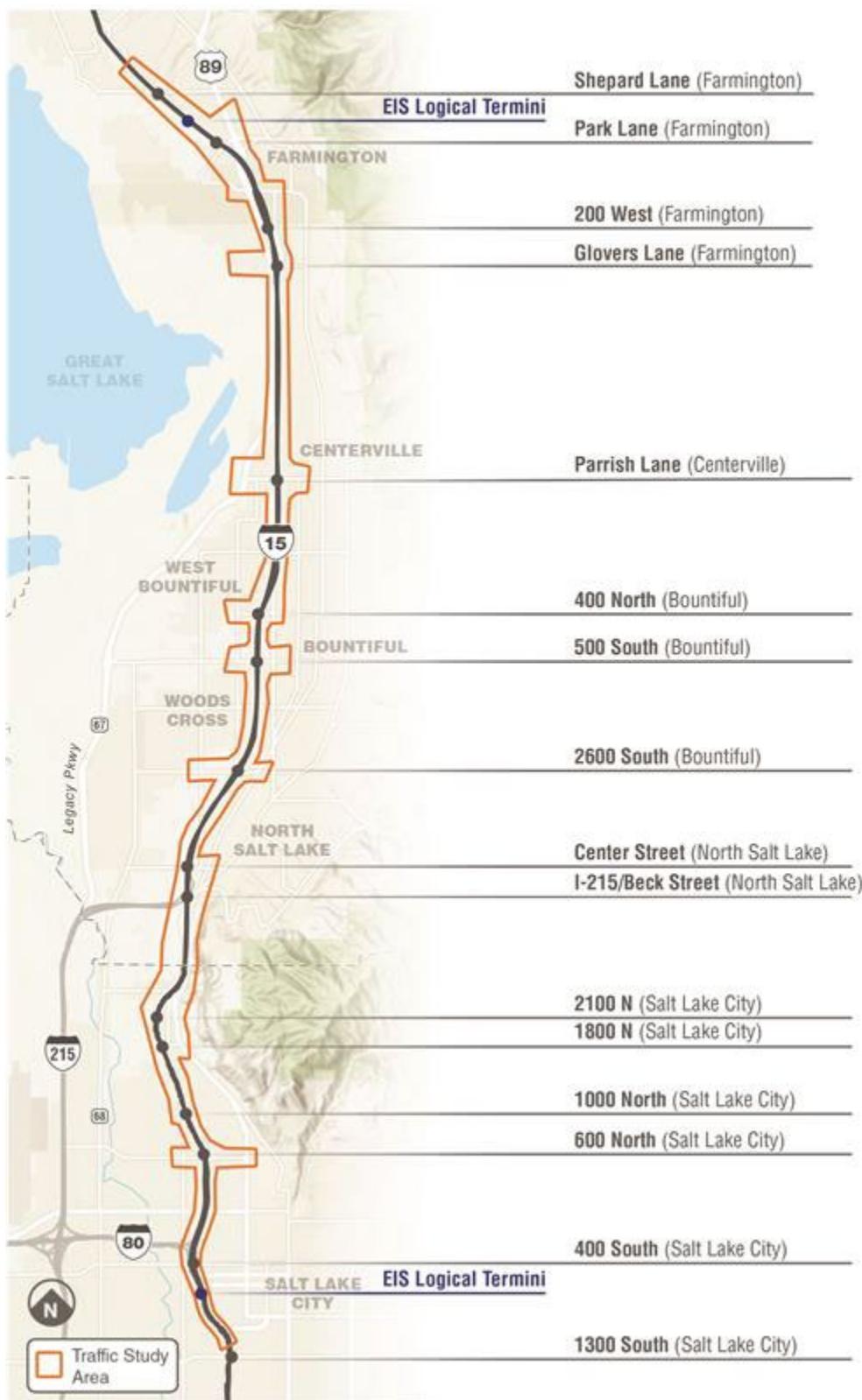


Figure 1. I-15 EIS; Farmington to Salt Lake City Traffic Study Area Map

## 1.1 INTERCHANGE AREAS

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Traffic operations were analyzed at interchanges and surrounding intersections in the study area using the calibrated VISSIM traffic simulation models for the 2050 No-Action and 2050 Options conditions using the study methodology detailed in the No-Build Travel Demand and Operational Analysis, Section 4.

The 2050 Options per interchange area are:

- Farmington
  - Option A2 – 200 West Half Interchange
  - Option B – Gloves Lane Single Point Urban Interchange (SPUI)
  - Option C – 200 West Full Interchange
  - Option D2 – 200 West Half Interchange with Lagoon Drive/State Street At-Grade Intersection
- Centerville
  - Option A – Parrish Lane Diamond Interchange
  - Option B – Parrish Lane SPUI
- Bountiful and West Bountiful
  - Option A – 500 South Diamond Interchange – 400 North Half-Diamond Interchange
  - Option B – 500 South Diamond Interchange – 400 North Three-Quarter Diamond Interchange
  - Option C – 500 South Diamond Interchange – 400 North Full Diamond Interchange
- Woods Cross
  - Option A – 2600 South Diamond Interchange
    - Option A Alt – Revised Westbound Left-Turn Striping
  - Option B – 2600 South SPUI
- North Salt Lake
  - Option A – I-215 and Beck Street (US-89) SPUI
- Salt Lake City
  - Option A – 2100 North Diamond Interchange, 1000 North Diamond Interchange, and 600 North Diamond Interchange
    - A - 1000 North Diamond Interchange with Right-In/Right-Out at 900 West

- A Alt - 900 West Diamond Interchange
- A2 - 1000 North One-Sided Diamond Interchange with Southbound Bypass
- A-C3 - 1000 North Full Diamond Interchange with Southbound Bypass
- A Alt2 – 1000 North full Diamond Interchange with no east leg and a south Right-in/Right-out configuration
  - Option B - 1800 North Diamond Interchange and 600 North SPUI

## 1.2 FREEWAY MAINLINE

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Traffic operations were analyzed on the freeway mainline in the study area using the calibrated VISSIM traffic simulation models for the 2050 No-Action and 2050 Action conditions using the study methodology detailed in the No-Build Travel Demand and Operational Analysis, Section 4. There was only one Action scenario that used the selected interchange options for ramp locations.

## 2. FARMINGTON – 200 WEST AND GLOVERS LANE

### 2.1 OPTIONS DESCRIPTIONS

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The I-15 Gloves Lane and 200 West interchanges in Farmington are shown in the figures below in different configurations.

Option A2 is shown in Figure 2, with the freeway access at 200 West limited to I-15 northbound off and southbound on. It contains a northbound I-15 off-ramp to the northbound Lagoon Drive flyover of the 200 West signalized intersection.

Option B is shown in Figure 3, which is a new SPUI configuration on Gloves Lane. A SPUI has all of the four ramp left turns consolidated at one signal-controlled intersection, with right turns signalized and overlapping the left turns. Very close to the east of the new interchange is the signalized frontage road intersection. There is also a northbound off-ramp bypass to 200 West.

Option C is shown in Figure 4, and it consists of a full interchange configuration to direct the traffic in and out of I-15 at 200 West. It has a signal at the frontage road intersection and at the southbound ramp's intersection.

Option D2 is shown in Figure 5 similar to Option A2, with the freeway access at 200 West limited to I-15 northbound off and southbound on. It contains a northbound I-15 off ramp to the northbound Lagoon Drive flyover of the 200 West signalized intersection. It also contains the replacement of a grade separated crossing of Lagoon Drive and State Street with an at-grade signalized intersection.



**Figure 2. Farmington Option A2: 200 West Half Interchange**

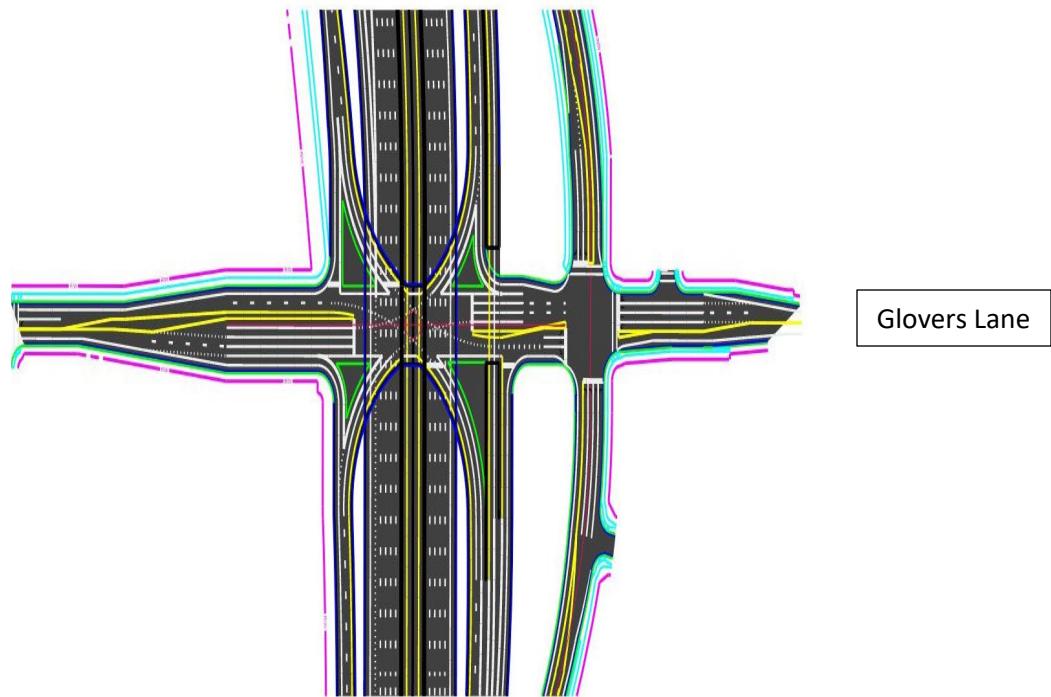


Figure 3. Farmington Option B: Glovers Lane SPUI

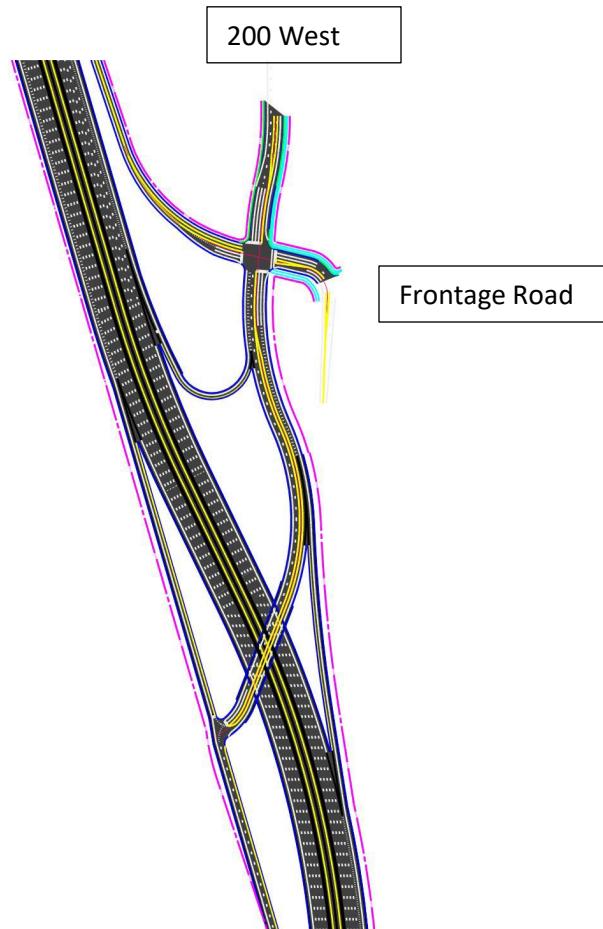


Figure 4. Farmington Option C: 200 West Full Interchange



Figure 5. Farmington Option A2 (400 West Option) & Option D2 (State Street Option).

## 2.2 2050 NO-ACTION AND OPTIONS ARTERIAL ANALYSIS

### 2.2.1 Delay and LOS

As shown in Table 1, the No-Action option contains the unsignalized intersection at Frontage Road/Lagoon Drive and 200 West with a worst movement Level of Service (LOS) of F in the PM peak hour. In Farmington, Option A2 operates better than No- Action with LOS C or better. In Option B with the SPUI on Grovers Lane and Option C with a full interchange on 200 West, both operate well at LOS C or better at the interchange. Option D2 is similar to Option A2 with an at-grade intersection at Lagoon Drive and State Street. Option D2 is generally operating similar to A2.

Table 1. Farmington Options - Delay and LOS

Farmington		No Action		Option A2		Option B		Option C		Option D2	
Time	Intersection name	Delay (sec)	LOS								
AM	Frontage Rd @ 200 W	10.7	B	5.8	A	11.5	B	17.0	B	5.4	A
AM	W Gloves Ln @ Farmington High School	9.9	A	9.5	A	46.4	E	12.5	B	10.0	A
AM	W Gloves Ln @ Frontage Rd	11.1	B	10.3	B	12.1	B	15.7	B	10.5	B
AM	W Gloves Ln @ 650 W	27.5	C	18.4	B	35.5	D	22.4	C	19.2	B
AM	Glovers Ln & I-15	-	-	-	-	11.1	B	-	-	-	-
AM	400 W @ W State	-	-	5.4	A	-	-	-	-	13.7	B
AM	400 W & Lagoon Dr	-	-	5.5	A	-	-	-	-	-	-
AM	I-15 SB Ramp @ 200 W	-	-	-	-	-	-	10.7	B	-	-
PM	Frontage Rd @ 200 W	120.7	F	5.8	A	13.7	B	17.5	B	6.0	A
PM	W Gloves Ln @ Farmington High School	8.9	A	9.0	A	14.6	B	10.5	B	9.3	A
PM	W Gloves Ln @ Frontage Rd	37.1	D	18.2	B	14.8	B	32.7	C	18.7	B
PM	W Gloves Ln @ 650 W	29.5	C	23.0	C	51.4	D	29.7	C	23.0	C
PM	Glovers Ln & I-15	-	-	-	-	15.9	B	-	-	-	-
PM	400 W @ W State St	-	-	8.5	A	-	-	-	-	18.0	B
PM	400 W & Lagoon Dr	-	-	9.9	A	-	-	-	-	-	-
PM	I-15 SB Ramp @ 200 W	-	-	-	-	-	-	12.5	B	-	-

#### Legend

- Minimal Congestion (delays less than 35 seconds)
- Moderate Congestion (delays between 35 and 55 seconds)
- Heavy Congestion (delays more than 55 seconds)

## 2.2.2 Queuing

All ramps for the Farmington Options can store 95th percentile queue and still have adequate deceleration lengths (430 feet or more for 50 mph). Queuing is shown in Table 2.

**Table 2. Farmington Options - Queuing**

Location	I-15 Off-Ramp	Option	Queue Length (ft)			Ramp Length (ft)*	Decel Length (ft)
			AM	PM	95%		
Park Lane	Northbound	No Action	301	2153	2153	2505	352
	Southbound	No Action	340	2634	2634	1730	-904
Glovers	Northbound	B - SPUI	105	207	207	1330	1123
	Southbound	B - SPUI	164	177	177	2640	2463
200 W	Northbound	A2 - Half Diamond	165	175	175	1500	1325
	Northbound	C - Full Diamond	411	429	429	2040	1611
	Northbound	D2 - Half Diamond	131	180	180	1500	1320
200 W	Southbound	C - Full Diamond	217	279	279	1290	1011

\*From Stop line to painted gore

Option A2 & D2 were carried forward as Option A (400 West Option & State Street Option). Options B and C were dropped.

## 3. CENTERVILLE – PARRISH LANE

### 3.1 OPTIONS DESCRIPTIONS

At the I-15 and Parrish Lane interchange in Centerville, two different configurations are proposed.

Option A (shown in Figure 6) is a Diamond Interchange with a northbound off-ramp bypass to 800 West, which will need to be signalized.

Option B (shown in Figure 7) is a SPUI with a northbound off-ramp bypass to 800 West, which will need to be signalized. Traffic operations simulation analysis showed that a second signalized northbound right-turn lane was needed for the northbound off-ramp to accommodate the high right-turn volumes.

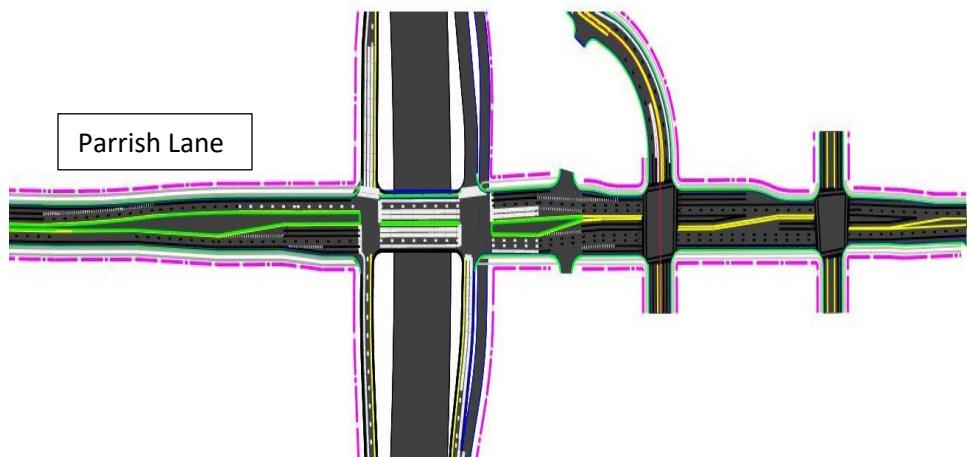


Figure 6. Centerville Option A: Parrish Lane Diamond Interchange



Figure 7. Centerville Option B: Parrish Lane SPUI

## 3.2 2050 NO-ACTION AND OPTIONS ARTERIAL ANALYSIS

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### 3.2.1 Arterial Operations (2050) Travel Time

Parrish Lane near Centerville was analyzed for multiple interchange configurations. Option A is a diamond interchange, and Option B is a SPUI. The travel time is improved significantly over the No-Action in both Option A and Option B due to better interchange configurations. Table 3 shows a summary of travel times for Parrish Lane.

**Table 3. Centerville Travel Time**

Parrish Lane			No-Action	Option A		Option B	
Time	Direction	Name of Street	Travel Time (min)	Travel Time (min)	% Change	Travel Time (min)	% Change
AM	EB	Parrish Ln	9.1	2.6	-71%	2.8	-69%
AM	WB	Parrish Ln	4.0	3.0	-25%	3.5	-12%
PM	EB	Parrish Ln	9.9	2.8	-72%	3.3	-67%
PM	WB	Parrish Ln	11.1	3.3	-70%	4.5	-60%

### 3.2.2 Intersection Operations (2050) Delay & LOS

Parrish Lane in Centerville was analyzed for diamond and SPUI configurations in Options A and B, respectively. The overall interchange LOS is improved progressively in both Options A and B, as shown in Table 4. Option B SPUI operates at LOS C, slightly better than Option A Diamond at LOS D, in the AM peak.

The unsignalized intersection of Parrish Lane at 700 West, southbound right stop-controlled yielding to free westbound, is LOS F in Option A but not in Option B because the westbound Parrish Lane queues are longer in option A and back up into the 700 West intersection in the PM peak.

Table 4. Centerville Delay and LOS

Parrish Lane		No-Action		Option A		Option B	
Time	Intersection name	Delay (sec)	LOS	Delay (sec)	LOS	Delay (sec)	LOS
AM	Bypass @ 800 West	-	-	5.0	A	5.1	A
AM	Marketplace Dr @ 700 W	-	-	0.0	A	0.0	A
AM	Parrish Ln @ SR-67 SB Ramps	23.4	C	13.3	B	16.5	C
AM	Parrish Ln @ SR-67 NB Ramps	526.8	F	16.3	C	24.3	C
AM	Parrish Ln @ (NB) 700 W	116.5	F	17.4	C	18.5	C
AM	Parrish Ln @ I-15 SB Ramps	109.1	F	42.4	D	28.6	C
AM	Parrish Ln @ I-15 NB Ramps	12.0	B				
AM	Parrish Ln @ Marketplace Dr	15.1	B	15.6	B	16.4	B
AM	Parrish Ln @ 400 W	14.7	B	18.1	B	18.6	B
AM	Parrish Ln @ 1250 W	24.7	C	21.3	C	24.6	C
PM	Bypass @ 800 West	-	-	32.6	C	12.7	B
PM	Marketplace Dr @ 700 W	-	-	0.0	A	0.0	A
PM	Parrish Ln @ SR-67 SB Ramps	15.9	C	14.4	B	14.5	B
PM	Parrish Ln @ SR-67 NB Ramps	25.1	D	15.6	C	15.5	C
PM	Parrish Ln @ (NB) 700 W	272.1	F	90.2	F	16.9	C
PM	Parrish Ln @ I-15 SB Ramps	165.0	F	33.5	C	30.6	C
PM	Parrish Ln @ I-15 NB Ramps	59.1	E				
PM	Parrish Ln @ Marketplace Dr	52.0	D	19.1	B	27.4	C
PM	Parrish Ln @ 400 W	50.4	D	29.1	C	29.8	C
PM	Parrish Ln @ 1250 W	42.0	D	42.5	D	39.7	D

#### Legend

- Minimal Congestion (delays less than 35 seconds)
- Moderate Congestion (delays between 35 and 55 seconds)
- Heavy Congestion (delays more than 55 seconds)

#### 3.2.3 Intersection Operations (2050) Queuing

All ramps for the Centerville Option B and most of the ramps in Option A can store 95th percentile queue and still have adequate deceleration lengths. The exception is the northbound ramp in Option A, which will have substandard deceleration length (430 feet or less for 50 mph) (Table 5).

**Table 5. Centerville Queuing**

Location	I-15 Off-Ramp	Option	Queue Length (ft)			Ramp Length (ft)*	Decel Length (ft)
			AM	PM	95th		
Parrish Ln	Northbound	No Action	196	3883	3883	1218	-2665
		A - Diamond	372	658	658	1060	402
		B - SPUI	246	583	583	1370	787
Parrish Ln	Southbound	No Action	3438	3436	3438	1076	-2362
		A - Diamond	318	242	318	1270	952
		B - SPUI	294	312	312	1520	1208

\*From Stop line to painted gore

Option B was carried forward as Option B. Option A was dropped.

## 4. BOUNTIFUL– 500 SOUTH AND 400 NORTH

### 4.1 OPTIONS DESCRIPTIONS

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In Bountiful, the Diverging Diamond Interchange at 500 South is converted into a diamond interchange in all three options (see Figure 8).

In Option A, 400 North remains a half diamond interchange with only southbound on- and northbound off-ramps (see Figure 9).

In Option B, 400 North becomes a three-quarter diamond Interchange with the addition of the southbound off-ramp (see Figure 10).

In Option C, 400 North becomes a full diamond Interchange with the addition of the northbound on-ramp (see Figure 11).

Traffic operations simulation analysis showed that a second southbound lane and a westbound left-turn lane was needed for the southbound ramps at 400 North to accommodate the high left-turn volumes in Options B and C. Traffic operations simulation analysis also showed that a second southbound left- and right-turn lanes were needed for the southbound off-ramp at 500 South to accommodate the high left- and right-turn volumes.

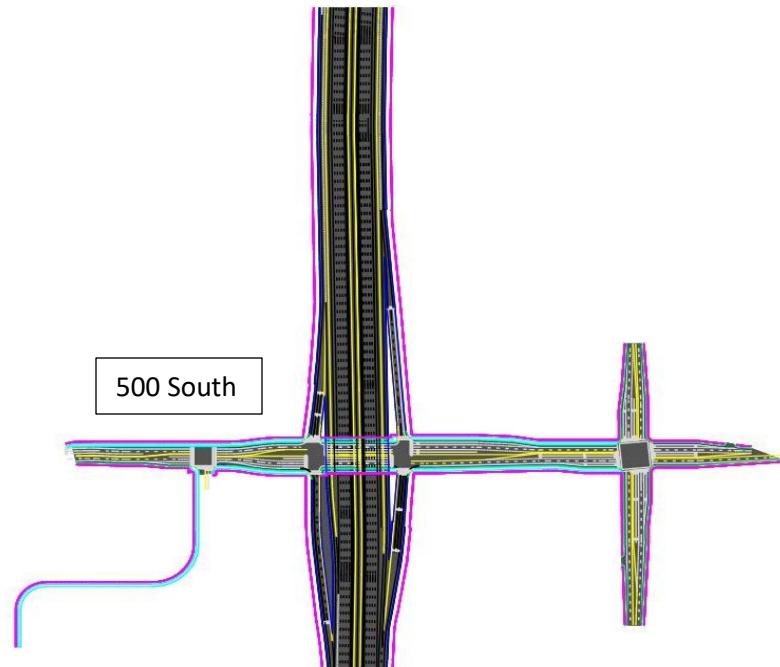


Figure 8. Bountiful – All Options: 500 South Diamond Interchange



Figure 9. Bountiful Option A: 500 South Diamond Interchange – 400 North Half-Diamond Interchange

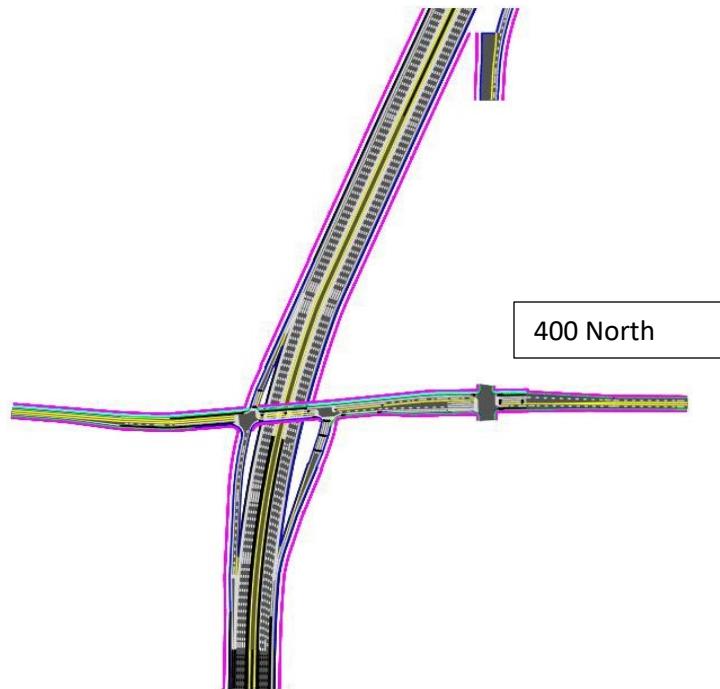


Figure 10. Bountiful Option B: – 400 North Three-Quarter Diamond Interchange



Figure 11. Bountiful Option C: – 400 North Full Diamond Interchange

## 4.2 2050 NO-ACTION AND OPTIONS ARTERIAL ANALYSIS

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### 4.2.1 Arterial Operations (2050) Travel Time

All three Bountiful Options replace the 500 South diverging diamond interchange with a full diamond interchange. Travel time on 500 South is improved in all Options over the No-Action condition.

For 400 North, Bountiful Option A is a half-diamond configuration with two ramps located south of 400 North (southbound on and northbound off), Option B adds the southbound off-ramp, and Option C adds the northbound on-ramp. Table 6 shows the 400 North and 500 South travel time results.

The AM eastbound 400 North travel time remains approximately the same in Option A relative to No-Action, where there is little change, but increases in Options B and C where new ramps, new turning movements, and new signal phases are added.

AM westbound 400 North travel time decreases in Option A, due to an added right-turn lane at US-89, but remains approximately the same as the No-Action condition in Options B and C where new ramps, new turning movements, and new signal phases are added.

AM and PM eastbound and westbound 500 South travel times decrease in all options due to the new expanded Diamond Interchange operating better than the existing Diverging Diamond interchange.

PM eastbound 400 North travel time decreases more in Option A, due to an added second lane at the interchange, but decreases less in Options B and C where new ramps, new turning movements, and new signal phases are added.

PM westbound 400 North travel time decreases significantly in all options, due to an added right-turn lane at US-89.

**Table 6. Bountiful Travel Time**

Bountiful			No-Action	Option A		Option B		Option C	
Time	Direction	Name of Intersection	Travel Time (min)	Travel Time (min)	% Change	Travel Time (min)	% Change	Travel Time (min)	% Change
AM	EB	400 N	2.4	2.3	-2%	2.8	19%	2.8	18%
AM	WB	400 N	3.0	2.4	-20%	2.9	-2%	2.9	-2%
AM	EB	500 S	3.0	2.6	-13%	2.7	-12%	2.7	-10%
AM	WB	500 S	6.8	2.7	-60%	2.6	-61%	2.6	-61%
PM	EB	400 N	3.6	2.9	-19%	3.5	-4%	3.1	-14%
PM	WB	400 N	9.3	2.5	-73%	3.4	-64%	3.9	-58%
PM	EB	500 S	3.7	3.0	-17%	3.3	-10%	3.0	-17%
PM	WB	500 S	6.6	3.2	-51%	3.2	-51%	2.9	-55%

#### 4.2.2 Intersections Operations (2050) - Delay & LOS

As shown in Table 7, the diverging diamond interchange is converted into a conventional diamond interchange in all Options at 500 South, and at 400 North is analyzed for a half diamond interchange in Option A, a three-quarter diamond interchange in Option B, and a full-diamond interchange configuration in Option C. All Options operate at LOS D or better at the interchanges; however, Option A operates the best of all the Options at 400 North.

Table 7. Bountiful Delay and LOS

Bountiful		No-Action		Option A		Option B		Option C	
Time	Intersection name	Delay (sec)	LOS						
AM	400 N @ 800 West	9.5	A	12.0	B	12.5	B	12.7	B
AM	400 N @ 660 W Access	7.7	A	7.8	A	15.5	C	8.9	A
AM	400 N @ 660 W	0.0	A	6.2	A	6.2	A	6.2	A
AM	400 N @ I-15 Ramp	12.4	B	14.0	B	25.8	C	35.2	D
AM	500 S @ 800 W	7.5	A	7.9	A	6.9	A	7.2	A
AM	500 S @ 700 W	11.2	B	9.7	A	9.7	A	9.7	A
AM	US-89 @ 1000 N	53.0	D	10.4	B	12.2	B	12.3	B
AM	500 S @ I-15 DDI	24.9	C	36.8	D	36.1	D	38.6	D
AM	500 S @ US-89	29.5	C	36.4	D	36.2	D	33.8	C
AM	400 N @ US-89	82.4	F	34.1	C	35.7	D	36.3	D
PM	400 N @ 800 West	21.8	C	15.1	B	13.4	B	16.8	B
PM	400 N @ 660 W Access	8.1	A	8.0	A	13.0	B	10.5	B
PM	400 N @ 660 W	6.0	A	6.2	A	6.2	A	6.2	A
PM	400 N @ I-15 Ramp	89.7	F	20.5	C	42.9	D	41.8	D
PM	500 S @ 800 W	219.4	F	7.9	A	8.1	A	7.7	A
PM	500 S @ 700 W	466.1	F	14.4	B	16.0	C	10.7	B
PM	US-89 @ 1000 N	103.1	F	14.6	B	13.2	B	13.2	B
PM	500 S @ I-15 DDI	95.7	F	36.6	D	38.5	D	31.5	C
PM	500 S @ US-89	176.8	F	54.6	D	55.0	E	52.2	D
PM	400 N @ US-89	281.4	F	41.1	D	41.8	D	42.6	D

##### Legend

- Minimal Congestion (delays less than 35 seconds)
- Moderate Congestion (delays between 35 and 55 seconds)
- Heavy Congestion (delays more than 55 seconds)

#### 4.2.3 Intersections Operations (2050) – Queuing

The 500 South southbound off-ramp, 500 South northbound off-ramp, and northbound off-ramp to 400 North can store 95th percentile queue and still have adequate deceleration lengths for all options. The southbound off-ramp to 400 North does have sufficient queue store, but not enough deceleration lengths (430 feet or more for 50 mph) in both Option B and C (see Table 8).

Table 8. Bountiful Queuing

Location	I-15 Off-Ramp	Option	Queue Length (ft)			Ramp Length (ft)*	Decel Length (ft)
			AM	PM	95th		
500 S	Northbound	No Action	211	3985	3985	1124	-2861
		A - 1/2 Diamond	181	350	350	1290	940
		B - 3/4 Diamond	144	510	510	1290	780
		C - Full Diamond	179	345	345	1290	945
500 S	Southbound	No Action	352	3523	3523	1463	-2060
		A - 1/2 Diamond	511	614	614	1440	826
		B - 3/4 Diamond	276	272	276	1440	1164
		C - Full Diamond	276	181	276	1440	1164
400 N	Northbound	No Action	113	2449	2449	1121	-1328
		A - 1/2 Diamond	152	258	258	920	662
		B - 3/4 Diamond	188	341	341	920	579
		C - Full Diamond	184	338	338	920	582
400 N	Southbound	B - 3/4 Diamond	370	445	445	720	275
		C - Full Diamond	581	447	581	720	139

\*From Stop line to painted gore

Option A was carried forward as Option A. Option B and Option C were dropped.

## 5. WOODS CROSS – 2600 SOUTH

### 5.1 OPTIONS DESCRIPTIONS

In Woods Cross at 2600 South, two different interchange configurations are proposed.

Option A, shown in Figure 12, is a diamond interchange.

Option B, shown in Figure 13, is a SPUI.

Both realign 800 West to Wildcat Way at 2500 South. This intersection will need to be signalized.

Traffic operations simulation analysis of Option A shows that a full-length second westbound left-turn lane is needed for the southbound on-ramp to accommodate the high left-turn volumes. The eastbound left turn onto the northbound on-ramp can be shrunk to one full lane to make room. This improvement is analyzed in sub option A Alternate.

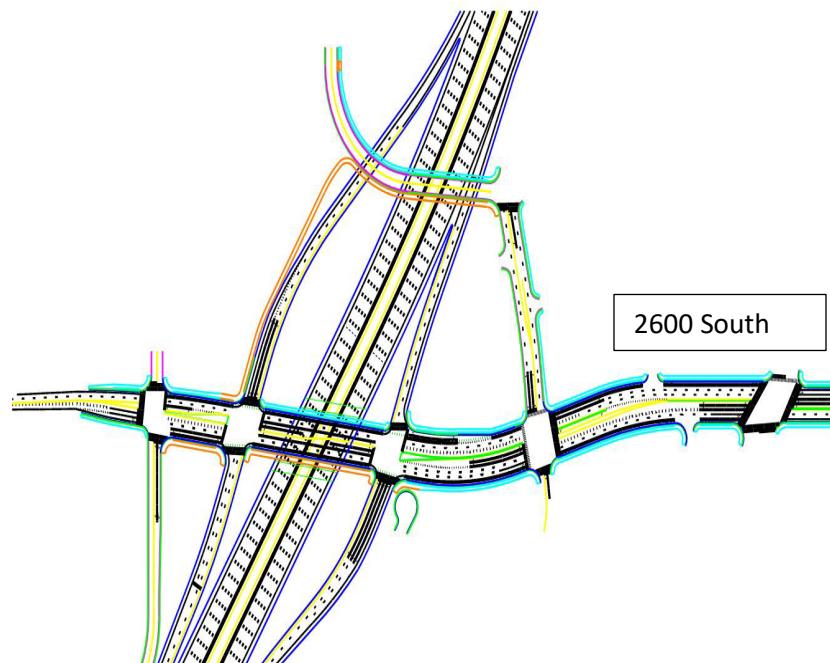


Figure 12. Woods Cross Option A: 2600 South Diamond Interchange



Figure 13. Woods Cross Option B: 2600 South SPUI

## 5.2 2050 NO-ACTION AND OPTIONS ARTERIAL ANALYSIS

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### 5.2.1 Arterial Operations (2050) Travel Time

There are two Options for the 2600 South interchange near Woods Cross. Option A is a diamond interchange, and Option B is a SPUI. Option A is improved and is shown as Option A-Alternative. The overall travel time is improved in Option B and A-Alternative compared to the No-Action and Option A.

Table 9 shows the 2600 South travel time in Woods Cross. All options show the 2600 South travel times decrease except for westbound AM in Option A, which increases. This is due to changing the westbound left-turn lane from starting as a single lane before widening to a second lane in Option A, to having a full-length double left-turn lane that splits from the center and left lane in Option B and Option A-Alt.

**Table 9. Woods Cross Travel Time**

Woods Cross			No-Action	Option A		Option B		Option A-Alt	
Time	Direction	Name of Street	Travel Time (min)	Travel Time (min)	% Change	Travel Time (min)	% Change	Travel Time (min)	% Change
AM	EB	2600 S	4.5	3.7	-20%	3.3	-26%	3.4	-25%
AM	WB	2600 S	5.0	11.8	137%	4.5	-9%	4.5	-9%
PM	EB	2600 S	7.4	3.9	-47%	4.2	-43%	3.9	-48%
PM	WB	2600 S	9.7	7.6	-21%	5.3	-45%	8.4	-14%

### 5.2.2 Intersections Operations (2050) Delay & LOS

As shown in Table 10, three options are offered and analyzed for 2600 South in Woods Cross. Option A is a diamond interchange configuration, Option A-Alternative is an improved version of Option A, and Option B is a SPUI configuration.

The delay and LOS in Option A-Alternative is improved, compared to the initial Option A. In Option B and Option A-Alternative, it is observed that the interchange LOS is LOS D or better. In Option A the interchange LOS is LOS E in the AM and D in the PM. This is due to changing the westbound lane left-turn lane from starting as a single lane before widening to a second lane in Option A, to having a full-length double left-turn lane that splits from the center and left lane in Option B and Option A-Alt.

At 2600 South and US-89, the best LOS that can be achieved through any option is E for AM and PM. The US-89 intersection does experience less delay compared to the No Action alternative but is still expected to experience congested conditions during morning and afternoon peak travel times as a result of heavy volumes on all four approaches coupled with a single northbound left-turn lane serving a heavy movement.

Table 10. Wood Cross Delay and LOS

Woods Cross		No-Action		Option A		Option B		Option A-Alt	
Time	Intersection name	Delay (min)	LOS	Delay (min)	LOS	Delay (min)	LOS	Delay (min)	LOS
AM	2600 S @ 1100 W	16.4	B	14.7	B	14.3	B	14.4	B
AM	2600 S @ Overland Rd	9.1	A	3.3	A	9.5	A	3.3	A
AM	2600 S @ Wildcat Way	23.3	C	121.8	F	22.1	C	22.9	C
AM	2600 S @ US-89	100.1	F	327.2	F	60.5	E	60.6	E
AM	2600 S @ 800 W	18.5	B	61.1	E	27.9	C	32.9	C
AM	2600 S @ I-15 NB Ramps	21.9	C						
AM	Wildcat Way/625 W & 800 W/2500 S	-	-	-	-	7.2	A	7.1	A
PM	2600 S @ 1100 W	82.9	F	14.6	B	14.4	B	15.0	B
PM	2600 S @ Overland Rd	11.7	B	4.9	A	9.8	A	4.8	A
PM	2600 S @ Wildcat Way	64.3	E	38.3	D	33.9	C	54.4	D
PM	2600 S @ US-89	140.0	F	131.5	F	75.6	E	106.6	F
PM	2600 S @ 800 W	26.9	C	41.2	D	28.9	C	39.4	D
PM	2600 S @ I-15 NB Ramps	125.2	F						
PM	Wildcat Way/625 W & 800 W/2500 S	-	-	-	-	11.1	B	14.1	B

#### Legend

- Minimal Congestion (delays less than 35 seconds)
- Moderate Congestion (delays between 35 and 55 seconds)
- Heavy Congestion (delays more than 55 seconds)

#### 5.2.3 Intersections Operations (2050) Queuing

The 2600 South southbound off-ramp can store 95th percentile queue and still have adequate deceleration lengths for all options. In Option A, the northbound off-ramp to 2600 South does have sufficient queue storage, but not enough deceleration lengths. All other options have both queue storage and enough deceleration lengths (430 feet or more for 50 mph) at the northbound off-ramp to 2600 South (see Table 11).

**Table 11. Woods Cross Queuing**

Location	I-15 Off-Ramp	Option	Queue Length (ft)			Ramp Length (ft)*	Decel Length (ft)
			AM	PM	95th		
800 W	Southbound	No Action	143	531	531	1172	641
2600 S	Northbound	No Action	228	4051	4051	1147	-2904
		A - Diamond	264	1101	1101	1380	279
		A-Alt - Diamond	247	882	882	1380	498
		B - SPUI	331	681	681	1200	519
		A - Diamond	291	350	350	1510	1160
2600 S	Southbound	A-Alt - Diamond	268	344	344	1510	1166
		B - SPUI	273	391	391	1400	1009

\*From Stop line to painted gore

Option B was carried forward as Option B. Option A and Option A Alt were dropped.

## 6. NORTH SALT LAKE – I-215 AND BECK STREET (US-89)

### 6.1 OPTIONS DESCRIPTIONS

A grade-separated SPUI is proposed for North Salt Lake at I-215 and Beck Street (US-89) as Option A. The interchange configuration is shown in Figure 14. A second northbound left-turn lane at the intersection on Beck Street (US-89) is needed to deliver the demand volume to the interchange. Due to the proximity of the two signalized intersections, they were evaluated using one controller to maintain coordination.

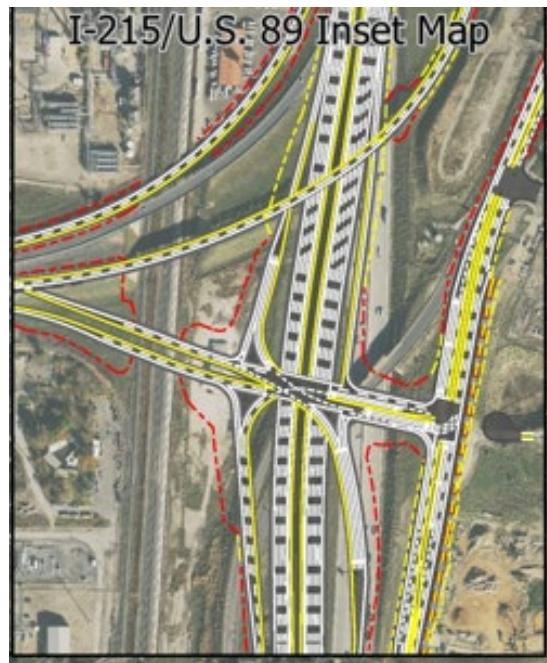


Figure 14. North Salt Lake Option A: I-215 and Beck Street (US-89) SPUI

## 6.2 2050 NO-ACTION AND OPTIONS ARTERIAL ANALYSIS

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### 6.2.1 Intersections Operations (2050) Delay and LOS

In the North Salt Lake section, Option A was analyzed as a SPUI that connects I-215, I-15, and Beck Street (US-89). Table 12 shows the delay and LOS for the North Salt Lake area. The Option A SPUI and Beck Street (US-89) intersection operates well at LOC or better.

Table 12. North Salt Lake Delay and LOS

North Salt Lake		No-Action		Option A	
Time	Intersection name	Delay (sec)	LOS	Delay (sec)	LOS
AM	Center St @ Main St	20.2	C	23.6	C
AM	US-89 @ Main St	8.7	A	9.4	A
AM	US-89 @ Eagle Gate Dr	8.9	A	10.4	B
AM	US-89 @ Eagle Ridge Dr	26.7	C	16.2	B
AM	US-89 @ Center St	18.9	B	19.0	B
AM	US-89 @ I-215	-	-	17.4	B
AM	I-15 @ I-215	-	-	17.3	B
PM	Center St @ Main St	23.7	C	21.7	C
PM	US-89 @ Main St	11.2	B	9.4	B
PM	US-89 @ Eagle Gate Dr	10.9	B	13.3	C
PM	US-89 @ Eagle Ridge Dr	16.5	C	16.8	C
PM	Center St @ US-89	22.0	C	17.6	C
PM	US-89 @ I-215	-	-	22.1	C
PM	I-15 @ I-215	-	-	25.9	C

#### Legend

- Minimal Congestion (delays less than 35 seconds)
- Moderate Congestion (delays between 35 and 55 seconds)
- Heavy Congestion (delays more than 55 seconds)

#### 6.2.2 Intersections Operations (2050) Queuing

All ramps for the North Salt Lake Option A can store 95th percentile queue and still have adequate deceleration lengths. North Salt Lake Queuing is shown in Table 13.

Table 13. North Salt Lake Queuing

Location	I-15 Off-Ramp	Option	Queue Length (ft)			Ramp Length (ft)*	Decel Length (ft)
			AM	PM	95th		
Center St	Southbound	No Action	3133	239	3133	1328	-1805
I-215	Northbound	A - SPUI	283	619	619	2580	1961
I-215	Southbound	A - SPUI	121	103	121	1270	1149

\*From Stop line to painted gore

Option A was carried forward as Option A.

## 7. SALT LAKE CITY – 2100 NORTH, 1800 NORTH, 1000 NORTH, AND 600 NORTH

### 7.1 OPTIONS DESCRIPTIONS

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#### Salt Lake City – 2100 North and 1800 North

The Salt Lake City Options include one Option for each of two different interchange locations.

Option A (Alt 2 & C3), shown in Figure 15, contains a diamond interchange at 2100 North.

Option B, shown in Figure 16, contains a diamond interchange at 1800 North.

Both have access to Beck Street (US-89) to the east and a frontage road to the west. Traffic operations simulation analysis also showed that a second southbound left-turn lane and westbound right-turn lanes would be needed for the southbound off-ramp and the northbound on-ramp to accommodate the high left- and right-turn volumes.

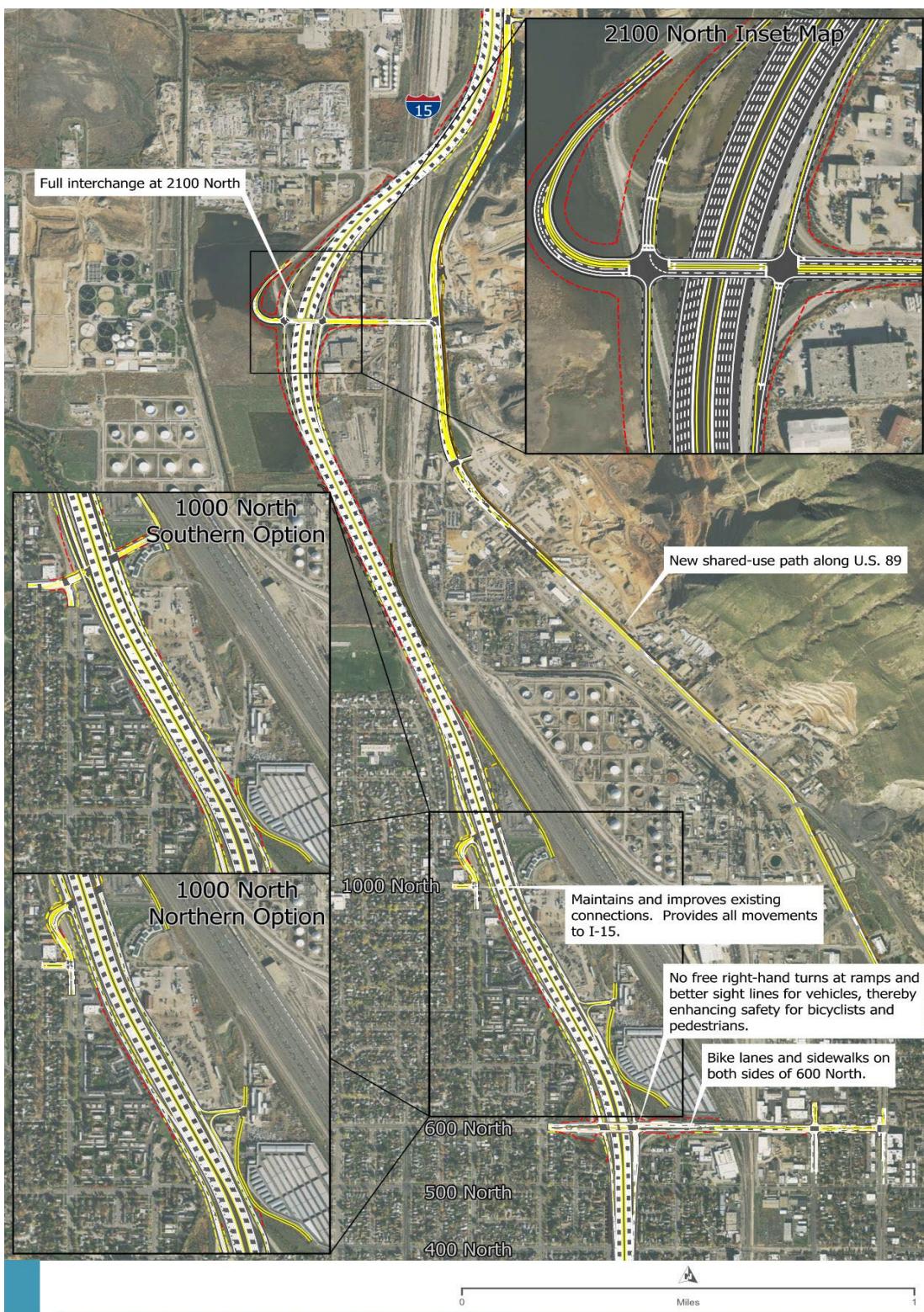


Figure 15. Option A-Alt 2 (Northern) & Option A-C3 (Southern) - Salt Lake City

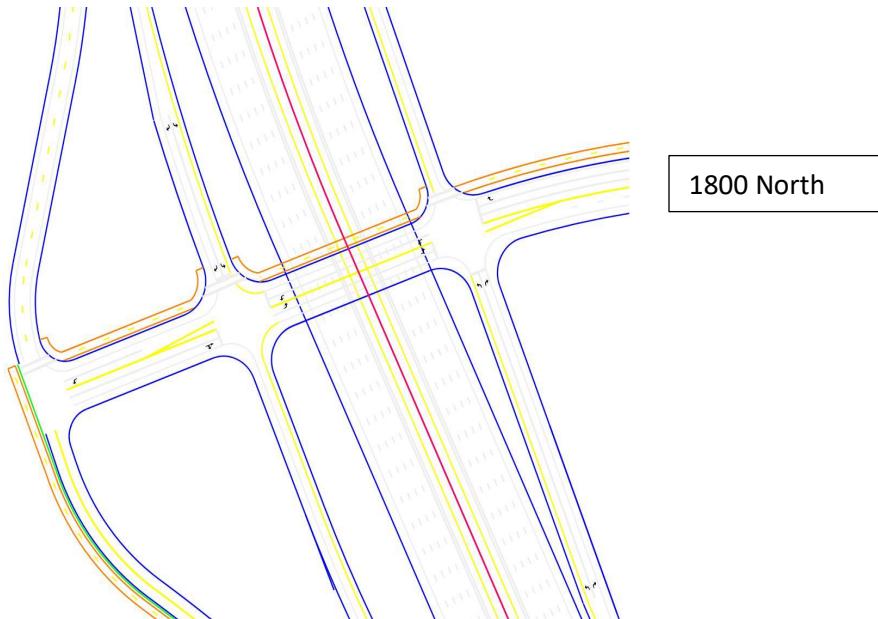


Figure 16. Option B - Salt Lake City - 1800 North

#### Salt Lake City – 1000 North and 600 North

In Option A for Salt Lake City, there are interchanges at both at 1000 North and 600 North, and in Option B only one interchange at 600 North. In Option A, a collector-distributor (CD) system divides access to I-15 between 600 North and 1000 North and connects the access points with a CD road system. In Option B, there is a SPUI at 600 North. Scenario A originally had a right-in & right-out only at 900 West. Scenario A-Alt has an alternative diamond configuration at 1000 North, where 900 West has full movements. Scenario A2 and Scenario A-C3 have an alternative diamond configuration at 1000 North with a southbound bypass. Option A2 has limited movements (Warm Spring limited to right-in & right-out of CD road north of interchange), whereas Option A-C3 has full movements. Option A-Alt-2 is similar to A-Alt except the east leg of the 1000 N interchange is moved to a Right-In & Right-Out on the collector distributor road between 600 N and 1000 N, and a Northbound through lane is added to the 600 N off ramp approach to 600 N interchange (to CD road). Options A, A-Alt, A2, and B are shown in Figure 17 through Figure 20.

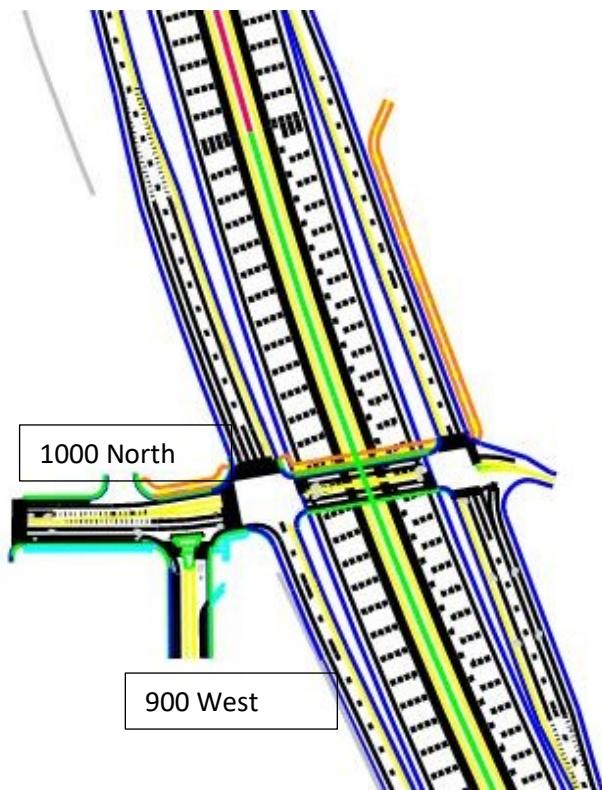


Figure 17. Option A - Salt Lake City

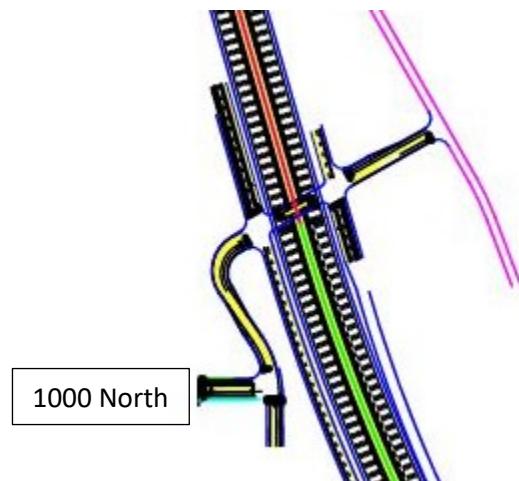


Figure 18. Option A-Alt - Salt Lake City

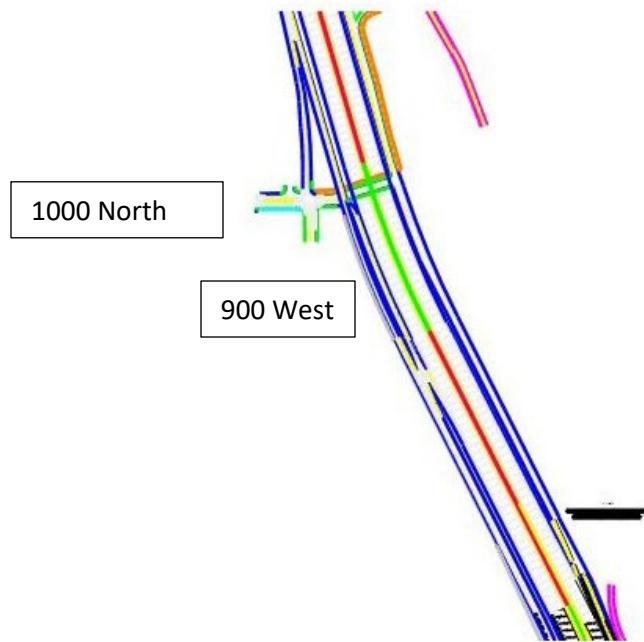


Figure 19. Salt Lake City Option A2 Salt Lake City

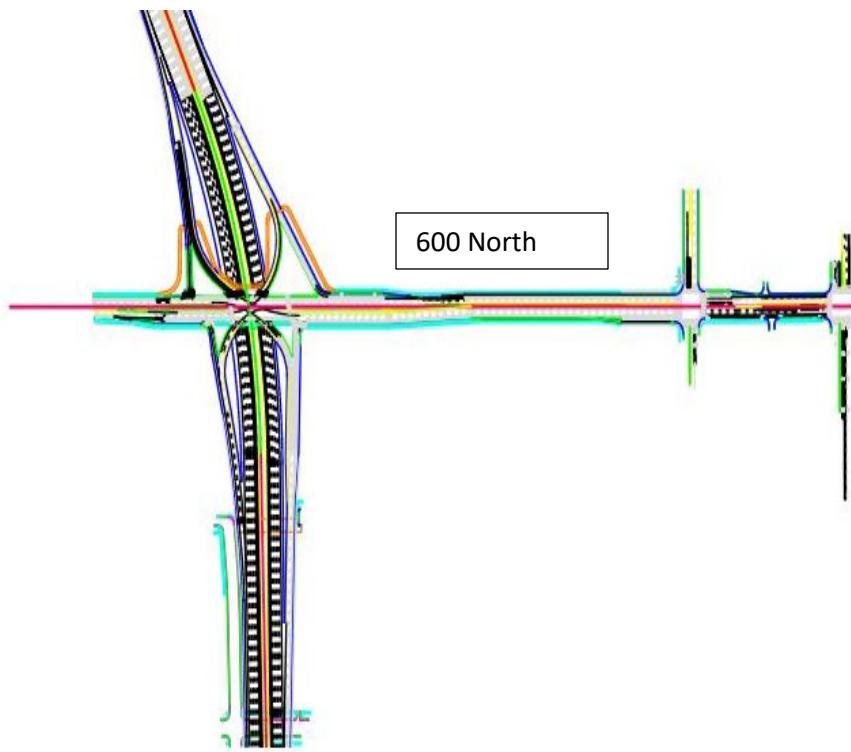


Figure 20. Salt Lake City Option B 600 North SPUI

## 7.2 2050 NO-ACTION AND OPTIONS ARTERIAL ANALYSIS

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### 7.2.1 Arterial Operations (2050) Travel Time

For the Salt Lake City Options, a diamond interchange at 600 N was analyzed in Option A. Option A was improved in Option A-Alt, A2, A-C3 and A-Alt2. Option B is a diamond configuration in the 1800 North intersection and a SPUI configuration in the 600 North intersection (Table 14).

All options decrease eastbound 600 North travel time in the AM and PM peak due to added eastbound through and right-turn lanes at 400 West and 300 West, respectively. Westbound 600 North travel times remain about the same in Options A, A-Alt, A2, and A-C3 and A-Alt2, but increase in Option B in the AM peak because in Option B, without a 1000 North interchange, there is more demand at the 600 North interchange.

All options increase westbound 600 North travel time in the PM peak due to modified signal timing giving preference to 300 North over 600 North. Westbound 600 North in Option B has longer travel time than other Options because in Option B, without a 1000 North interchange, there is more demand at the 600 North interchange.

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**Table 14. Salt Lake City Travel Time**

Salt Lake			No-Action	Option A		Option B		Option A-Alt		Option A2		Option A-C3		Option A-Alt 2	
Time	Direction	Name of Intersection	Travel Time (min)	Travel Time (min)	% Change										
AM	EB	600 N	9.0	5.1	-43%	5.1	-43%	5.1	-44%	5.1	-44%	5.3	-41%	5.7	-36%
AM	WB	600 N	4.7	4.9	3%	5.5	17%	4.9	4%	5.0	6%	5.2	10%	5.1	7%
PM	EB	600 N	6.2	5.6	-10%	5.6	-11%	5.5	-12%	5.7	-9%	5.9	-5%	5.8	-8%
PM	WB	600 N	4.4	6.3	46%	12.0	177%	6.3	45%	6.2	41%	6.8	57%	5.8	32%

### 7.2.2 Intersections Operations (2050) Delay & LOS

As shown in Table 15, two options were offered for Salt Lake City. Option A is a diamond configuration and Options A-Alt, A2, and A-C3 are improved versions of the Option A. Option B is a SPUI configuration at 600 North.

At the 600 North interchange, Option B SPUI operates significantly better, with a lower delay (LOS D) in the PM, than most versions of Option A (mostly LOS E in PM, except A-C3 at LOS D in PM, and LOS E in AM for A-Alt2) and like the SPUI in the No-Action (LOS D) in the PM. The intersections of 300 West and 400 West with 600 North operate significantly better in all options in the AM peak but are still deficient in the PM peak, especially westbound 600 North, which is only one lane coming out of the neighborhood. Option B operates worse than Option A at 300 West and 400 West due to higher demand, likely due to there not being a 1000 North interchange in Option B. Option A, A-Alt, A2, A-C3 and A-Alt2 have an interchange at 1000 North; Option B does not. Options A2 and A-C3 operate better than the Option A at the 1000 North interchange (LOS B/D vs E/F AM/PM) due to the southbound bypass. Option A-Alt also performs better than Option A, likely due to better spacing with the 900 West intersection. Both the 1800 North diamond interchange in Option B and the 2100 North diamond interchange in Option A, A-Alt, A2, A-C3 and A-Alt2 operate well with the proposed designs.

Table 15. Salt Lake Delay and LOS

Salt Lake		No-Action		Option A		Option B		Option A-Alt		Option A2		Option A-C3		Option A-Alt 2	
Time	Intersection name	Delay (min)	LOS	Delay (min)	LOS	Delay (min)	LOS	Delay (min)	LOS	Delay (min)	LOS	Delay (min)	LOS	Delay (min)	LOS
AM	600 N @ 8th W	10.1	B	9.6	A	195.9	F	9.4	A	9.3	A	10.9	B	12.5	B
AM	600 N @ 900 W	15.6	B	15.3	B	20.9	C	15.1	B	15.2	B	19.0	B	20.0	B
AM	600 N @ 300 W	111.3	F	35.9	D	44.2	D	36.5	D	35.7	D	39.3	D	37.8	D
AM	600 N @ 400 W	108.1	F	25.3	C	24.4	C	24.1	C	24.3	C	24.2	C	25.2	C
AM	Beck St @ N Chicago St	15.0	B	21.8	C	30.0	C	21.8	C	22.1	C	22.5	C	22.0	C
AM	600 N @ I-15	46.9	D	51.1	D	48.1	D	50.0	D	50.8	D	46.8	D	60.0	E
AM	900 W @ 1000 N	22.6	C	-	-	-	-	12.4	B	13.9	B	14.3	B	10.3	B
AM	1000 N @ I-15	-	-	72.4	E	-	-	43.9	D	10.2	B	17.3	B	20.2	C
AM	2100 N @ Beck St	-	-	16.4	B	-	-	16.4	B	17.1	B	15.8	B	15.9	B
AM	1800 @ Frontage	-	-	-	-	9.2	A	-	-	-	-	-	-	-	-
AM	1800 N @ I-15	-	-	-	-	26.0	C	-	-	-	-	-	-	-	-
AM	2100 N @ I-15	-	-	34.2	C	-	-	34.2	C	45.4	D	33.3	C	36.7	D
PM	600 N @ 8th W	6.4	A	7.9	A	82.3	F	8.0	A	8.1	A	8.8	A	9.8	A
PM	600 N @ 900 W	24.0	C	19.7	B	26.0	C	19.6	B	19.9	B	31.2	C	24.9	C
PM	600 N @ 300 W	100.2	F	49.1	D	111.1	F	50.8	D	49.7	D	57.4	E	51.9	D
PM	600 N @ 400 W	44.0	D	47.4	D	60.2	E	58.8	E	48.2	D	53.5	D	60.7	E
PM	Beck St @ N Chicago St	13.1	B	25.4	C	37.8	D	25.4	C	25.2	C	27.6	C	25.2	C
PM	600 N @ I-15	41.6	D	61.6	E	41.9	D	61.3	E	63.2	E	49.0	D	48.5	D
PM	900 W @ 1000 N	99.5	F	-	-	-	-	9.6	A	8.5	A	20.8	C	14.7	B
PM	1000 N @ I-15	-	-	103.8	F	-	-	26.7	C	8.0	A	36.0	D	25.9	C
PM	2100 N @ Beck St	-	-	15.3	B	-	-	15.3	B	16.1	B	15.7	B	15.7	B
PM	1800 @ Frontage	-	-	-	-	11.1	B	-	-	-	-	-	-	-	-
PM	1800 N @ I-15	-	-	-	-	26.3	C	-	-	-	-	-	-	-	-
PM	2100 N @ I-15	-	-	32.0	C	-	-	32.0	C	44.3	D	27.4	C	33.8	C

Legend

- Minimal Congestion (delays less than 35 seconds)
- Moderate Congestion (delays between 35 and 55 seconds)
- Heavy Congestion (delays more than 55 seconds)

### 7.2.3 Intersections Operations (2050) Queueing

All ramps can store 95th percentile queue and still have adequate deceleration lengths. The queueing for the Salt Lake City Options is shown in Table 16.

Table 16. Salt Lake City Queueing

Location	Off Ramp	Option	Queue Length			Ramp* Length	Decel Length
			AM	PM	95%		
Warm Springs	Northbound	No Action	452	195	452	1365	913
900 W	Southbound	No Action	120	318	318	1170	852
600 N	Northbound	No Action	3575	552	3575	2395	-1180
		A - Diamond	276	476	476	1640	1164
		A-Alt - Diamond	275	453	453	1640	1187
		A2 - Diamond	265	442	442	1640	1198
		A-Alt 2 - Diamond	322	457	457	1200	743
		A-C3 - Diamond	264	358	358	1640	1282
		B - SPUI	528	408	528	1670	1142
600 N	Southbound	No Action	361	298	361	1352	991
		B - SPUI	686	428	686	1310	624
1000 N	Northbound	A - Diamond	252	2040	2040	2460	420
		A-Alt - Diamond	422	347	422	3170	2748
		A2 - Diamond	245	327	327	2460	2133
		A-Alt 2 - Diamond	210	451	451	3132	2681
		A-C3 - Diamond	209	930	930	2850	1920
1000 N	Southbound	A - Diamond	305	366	366	1570	1204
		A-Alt 2 - Diamond	328	274	328	1672	1344
		A-Alt - Diamond	363	302	363	1340	977
		A2 - Diamond	258	130	258	2200	1942
		A-C3 - Diamond	259	367	367	2050	1683
1800 N	Northbound	B - Diamond	166	151	166	1200	1034
1800 N	Southbound	B - Diamond	309	194	309	1280	971
2100 N	Northbound	A - Diamond	166	201	201	1760	1559
		A-Alt - Diamond	166	201	201	1760	1559
		A2 - Diamond	321	493	493	1760	1267
		A-Alt 2 - Diamond	172	197	197	1760	1563
		A-C3 - Diamond	173	198	198	1760	1562
2100 N	Southbound	A - Diamond	389	249	389	1440	1051
		A-Alt - Diamond	389	249	389	1440	1051
		A2 - Diamond	467	274	467	1440	973
		A-Alt 2 - Diamond	389	249	389	1440	1051
		A-C3 - Diamond	400	239	400	1440	1040

Option A-Alt2 (Northern Option) & Option A-C3 (Southern Option) were carried forward as Northern Option & Southern Option. Options A, A-Alt, A2 and B were dropped.

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## 8. 2050 NO-ACTION AND 2050 ACTION I-15 FREEWAY OPERATIONS

### 8.1 I-15 TRAVEL TIMES

Travel times were measured on I-15 using the VISSIM models for 2050 No-Action and design 2050 Action conditions during AM and PM peak travel times (including braided ramps at 500 S and 400 N). The results of the AM travel time comparison for I-15 southbound is shown in Table 17.

**Table 17. I-15 Southbound Mainline Travel Time Comparison**

I-15 Southbound Time Period	2050 No-Action Travel Time (Minutes)	2050 Action Travel Time (Minutes)	% Change
6:00 AM	20.6	16.6	-19%
7:00 AM	41.6	18.8	-55%
8:00 AM	69.1	21.2	-69%
9:00 AM	88.9	16.9	-81%
Average	55.1	18.4	-67%

As shown above in Table 17, travel times on I-15 are expected to decrease by more than half during most of the 4-hour AM commute period with the Action condition. The results of the PM travel time comparison for I-15 northbound is shown in Table 18.

**Table 18. I-15 Northbound Mainline Travel Time Comparison**

I-15 Northbound Time Period	2050 No-Action Travel Time (Minutes)	2050 Action Travel Time (Minutes)	% Change
3:00 PM	37.8	16.9	-55%
4:00 PM	64.5	23.7	-63%
5:00 PM	78.1	35.7	-54%
6:00 PM	84.2	30.0	-64%
Average	66.2	26.6	-60%

As shown above in Table 18, travel times on I-15 are expected to decrease by more than half during all of the 4-hour PM commute period with the Action condition.

## 9. CONCLUSION

The best design options from a traffic operations perspective are:

- **Farmington – Grovers Lane and 200 West – Option A2, B, C, or D2**
  - All Option A2, B, C, or D2 interchange intersections operate at LOS B or better.
  - All Option A2, B, C, or D2 have sufficient queue length and deceleration length.
  - Options A2 & D2 were carried forward as Option A (400 West Option & State Street Option). Options B and C were dropped.
- **Centerville – Parrish - Option B**
  - The Option B interchange intersections operate at LOS C or better.
  - Option A has sufficient queue length but insufficient deceleration length on one of its ramps. Option B has both sufficient queue length and deceleration length on all ramps.
  - Option B was carried forward as Option B. Option A was dropped.
- **Bountiful – 400 North and 500 South – Option A**
  - The 500 South interchange is the same LOS (D) in all Options; however, 400 North operates better in Option A (LOS B AM and LOS C PM) than Options B and C (LOS C AM and LOS D PM).
  - All the ramps have sufficient queue and deceleration length in Option A; however, some ramps have sufficient queue space but not deceleration space in Options B and C.
  - Option A was carried forward as Option A. Options B and Option C were dropped.
- **Woods Cross – 2600 South – Option B**
  - The Option B interchange intersection operates at LOS C in both AM and PM, whereas the Option A-Alt interchange intersection operates at LOS C AM and LOS D PM, and the Option A interchange intersection operates at LOS E AM and LOS D PM.
  - Option A has sufficient queue length but insufficient deceleration length on one of its ramps. Option B and A-Alt has both sufficient queue length and deceleration length on all ramps.
  - Option B was carried forward as Option B. Option A and Option A Alt were dropped.
- **North Salt Lake – I-215 and Beck Street (US-89) – Options A**
  - The Option A interchange intersections operate at LOS B or better.

- The Option A interchange off-ramps have sufficient queue length and deceleration length.
- Option A was carried forward as Option A.
- **Salt Lake City – 2100 North, 1800 North, 1000 North, and 600 North – Option B & A-C3**
  - At the 600 North interchange, Option B SPUI, A-C3 and A-Alt2 operate significantly better with lower delay (LOS D) than Option A, A-Alt or A-2 (LOS D, LOS E) in the PM peak.
  - All Option A, A-Alt, A-2, A-C3, A-Alt 2 or Option B have sufficient queue length and deceleration length.
  - Option A Alt2 (Northern Option) & Option A-C3 (Southern Option) were carried forward as Option A Northern Option & Option A Southern Option. Options A, A-Alt, A2 and B were dropped.

The Action Alternative would lower I-15 freeway travel times compared to the No-Action Alternative; however, the Action Alternative would still have some congestion and not result in free-flow traffic at all locations and at all times of day.

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## Appendix A: Future No-Action Vs. Options Queue Length (feet)

Farmington		No-Action				Option A2				Option B				Option C				Option D2			
Time	Intersection name	EB	WB	NB	SB	EB	WB	NB	SB	EB	WB	NB	SB	EB	WB	NB	SB	EB	WB	NB	SB
AM	Frontage Rd @ 200 W	50	125	0	-	0	125	175	125	75	75	-	-	100	300	400	75	25	100	125	125
AM	W Glovers Ln @ Farmington High School	100	0	-	50	100	0	-	75	550	75	-	325	150	475	-	75	100	0	-	75
AM	W Glovers Ln @ Frontage Rd	125	250	75	100	75	100	75	100	175	125	100	100	150	200	100	225	75	100	75	100
AM	W Glovers Ln @ 650 W	800	150	125	150	325	100	100	100	100	0	875	375	475	150	125	125	325	100	100	100
AM	Glovers Ln & I-15	-	-	-	-	-	-	-	-	100	100	100	175	-	-	-	-	-	-	-	-
AM	400 W @ W State	-	-	-	-	-	150	225	-	125	-	-	-	-	-	-	-	275	200	100	100
AM	400 W & Lagoon Dr	-	-	-	-	-	125	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AM	I-15 SB Ramp @ 200 W	-	-	-	-	-	-	-	-	-	-	-	-	-	150	-	225	-	-	-	-
PM	Frontage Rd @ 200 W	50	525	0	-	0	100	175	175	50	75	-	-	150	325	425	50	25	125	175	175
PM	W Glovers Ln @ Farmington High School	0	0	-	50	0	0	-	75	0	0	-	75	25	550	-	50	0	0	-	75
PM	W Glovers Ln @ Frontage Rd	600	1575	1050	125	150	125	325	150	300	150	125	100	225	175	550	475	175	125	325	150
PM	W Glovers Ln @ 650 W	300	200	350	125	275	275	250	100	100	0	300	1125	275	350	475	125	250	300	250	100
PM	Glovers Ln & I-15	-	-	-	-	-	-	-	-	150	125	200	175	-	-	-	-	-	-	-	-
PM	400 W @ W State	-	-	-	-	-	250	500	-	175	-	-	-	-	-	-	-	325	600	100	200
PM	400 W & Lagoon Dr	-	-	-	-	-	175	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PM	I-15 SB Ramp @ 200 W	-	-	-	-	-	-	-	-	-	-	-	-	-	225	-	275	-	-	-	-

Parrish		No-Action				Option A				Option B			
Time	Intersection name	EB	WB	NB	SB	EB	WB	NB	SB	EB	WB	NB	SB
AM	Bypass @ 800	-	-	-	-	75	50	75	150	75	50	125	150
AM	Marketplace Dr @ 700 W	-	-	-	-	0	0	0	-	0	0	0	-
AM	Parrish Ln @ SR-67 SB Ramps	-	0	-	225	-	0	-	125	-	0	-	150
AM	Parrish Ln @ SR-67 NB Ramps	0	0	2025	-	0	0	175	-	0	0	275	-
AM	Parrish Ln @ (NB) 700 W	150	0	25	375	75	300	25	250	0	150	25	250
AM	Parrish Ln @ I-15	275	275	-	3425	75	325	375	325	125	375	250	300
AM	Parrish Ln @ I-15	275	300	200	-		325	375	325	125	375	250	300
AM	Parrish Ln @ Marketplace Dr	200	225	200	100	225	175	300	100	250	225	275	125
AM	Parrish Ln @ 400 W	125	200	175	125	250	250	250	200	150	275	250	175
AM	Parrish Ln @ 1250 W	200	225	300	325	200	250	225	225	250	250	225	225
PM	Bypass @ 800	-	-	-	-	1400	25	250	400	250	25	375	225
PM	Marketplace Dr @ 700 W	-	-	-	-	2025	0	0	-	0	0	0	-
PM	Parrish Ln @ SR-67 (SB)	-	0	-	150	-	0	-	125	-	0	-	125
PM	Parrish Ln @ SR-67 (NB)	0	0	275	-	0	0	175	-	0	0	200	-
PM	Parrish Ln @ (NB) 700 W	375	175	100	375	75	325	25	400	75	175	25	175
PM	Parrish Ln @ I-15	1475	300	-	3425	125	275	650	250	250	375	575	300
PM	Parrish Ln @ I-15	375	350	3875	-		275	650	250	250	375	575	300
PM	Parrish Ln @ Marketplace Dr	350	650	425	125	400	150	400	150	325	275	575	150
PM	Parrish Ln @ 400 W	650	400	825	325	475	375	475	350	425	375	475	325
PM	Parrish Ln @ 1250 W	150	275	300	375	150	250	300	400	150	300	300	400

Bountiful		No-Action				Option A				Option B				Option C			
Time	Intersection name	EB	WB	NB	SB	EB	WB	NB	SB	EB	WB	NB	SB	EB	WB	NB	SB
AM	400 N @ 800 West	100	25	50	125	100	200	50	100	125	375	50	125	125	350	50	125
AM	400 N @ 660 W Access	0	0	25	50	0	0	25	50	0	450	25	75	0	75	25	50
AM	400 N @ 660 W	0	-	0	0	50	-	0	0	50	-	0	0	50	-	0	0
AM	400 N @ I-15 SB On Ramp	250	500	-	-	150	325	150	-	150	200	200	375	200	275	175	575
AM	500 S @ 800 W	25	0	-	75	25	0	-	75	0	0	-	0	0	0	-	75
AM	500 S @ (NB) 700 W	0	175	75	50	0	175	125	50	0	0	175	125	0	150	100	50
AM	US-89 @ 1000 N	50	150	150	2650	0	150	175	300	0	0	200	100	0	200	200	-
AM	500 S @ I-15 DDI	300	950	200	350	200	175	175	500	200	175	150	275	225	100	175	275
AM	500 S @ US-89	250	500	575	350	275	700	225	225	300	625	300	200	250	675	200	200
AM	400 N @ US-89	225	575	150	1750	225	1050	125	425	350	600	125	100	375	950	175	100
PM	400 N @ 800 West	450	100	500	125	200	325	150	200	175	375	125	125	275	375	200	225
PM	400 N @ 660 W Access	0	0	25	75	0	25	25	75	0	400	25	100	0	100	25	75
PM	400 N @ 660 W	25	-	0	0	50	-	0	0	50	-	0	0	50	-	0	0
PM	400 N @ I-15 SB On Ramp	850	675	-	-	275	375	250	-	300	250	350	450	225	275	350	450
PM	500 S @ 800 W	2650	75	-	1175	75	0	-	75	0	50	-	0	50	50	-	75
PM	500 S @ (NB) 700 W	875	425	1200	50	0	200	250	50	0	0	200	225	0	175	175	50
PM	US-89 @ 1000 N	50	1225	200	2625	50	325	475	275	0	50	425	175	50	425	150	-
PM	500 S @ I-15 DDI	450	1050	3975	3525	350	375	350	625	350	400	500	275	400	225	350	175
PM	500 S @ US-89	1450	1650	1300	1300	925	950	625	500	975	950	550	350	950	725	775	400
PM	400 N @ US-89	1200	1800	2825	1750	425	450	475	975	800	675	575	50	750	600	650	50

Woods Cross			No-Action				Option A				Option B				Option A-Alt			
Time	Intersection name		EB	WB	NB	SB	EB	WB	NB	SB	EB	WB	NB	SB	EB	WB	NB	SB
AM	2600 S @ 1100 W		125	150	150	225	125	150	175	225	125	150	150	250	125	150	150	225
AM	2600 S @ Overland Rd		0	125	75	-	50	125	50	-	0	100	75	-	25	150	50	-
AM	2600 S @ Wildcat Way		350	550	175	175	250	900	200	1225	275	350	200	175	325	375	200	175
AM	2600 S @ US-89		450	725	2000	1950	375	1500	1975	1950	375	1375	950	600	375	1325	950	600
AM	800 W @ I-15 SB Off Ramp		150	375	-	350												
AM	2600 S @ 400 E		300	375	225	-												
AM	Wildcat/625W & 800W/2500S		-	-	-	-	-	-	-	-	125	50	250	125	125	50	250	125
PM	2600 S @ 1100 W		1475	1925	1000	1075	200	150	175	175	200	125	175	175	200	150	175	175
PM	2600 S @ Overland Rd		0	100	50	-	75	75	25	-	0	50	50	-	75	50	25	-
PM	2600 S @ Wildcat Way		475	500	525	325	400	500	275	775	500	825	275	300	425	850	275	675
PM	2600 S @ US-89		1300	600	2000	525	875	1475	1975	250	825	1225	1925	275	925	1475	1950	425
PM	800 W @ I-15 SB Off Ramp		275	300	-	500												
PM	2600 S @ 400 E		500	450	4050	-												
PM	Wildcat/625W & 800W/2500S		-	-	-	-	-	-	-	-	100	100	325	175	100	125	300	425

North Salt Lake		No-Action				Option A			
Time	Intersection name	EB	WB	NB	SB	EB	WB	NB	SB
AM	Center St @ Main St	225	225	300	125	250	175	400	100
AM	US-89 @ Main St	250	-	175	175	200	-	275	150
AM	US-89 @ Eagle gate Dr	-	75	0	400	-	75	0	225
AM	US-89 @ Eagle Ridge Dr	250	800	325	400	50	425	250	200
AM	Center St @ US-89	225	200	225	300	250	200	200	200
AM	US-89 @ I-215	-	-	-	-	150	-	150	400
AM	I-15 @ I-215	-	-	-	-	125	125	275	125
PM	Center St @ Main St	475	200	375	125	375	175	300	125
PM	US-89 @ Main St	425	-	225	175	300	-	175	150
PM	US-89 @ Eagle gate Dr	-	75	325	25	-	75	0	25
PM	US-89 @ Eagle Ridge Dr	125	275	900	200	75	250	500	175
PM	Center St @ US-89	300	175	525	225	225	175	425	175
PM	US-89 @ I-215	-	-	-	-	250	-	600	500
PM	I-15 @ I-215	-	-	-	-	350	175	625	100

Salt Lake		No-Action				Option A				Option B				Option A-alt				Option A2				Option A-C3				Option A-Alt2				
Time	Intersection name	EB	WB	NB	SB	EB	WB	NB	SB	EB	WB	NB	SB	EB	WB	NB	SB	EB	WB	NB	SB	EB	WB	NB	SB	EB	WB	NB	SB	
AM	600 N @ (NB) 8th W	25	75	125	50	50	75	125	50	400	100	1075	50	50	75	125	50	50	100	125	50	75	75	125	25	125	100	150	25	
AM	600 N @ 900 W	225	175	100	150	225	200	100	125	375	250	125	175	225	200	100	125	200	200	100	125	275	200	100	225	425	225	125	225	
AM	600 N @ 300 W	775	375	1975	250	375	750	275	275	525	1300	275	300	400	725	275	300	375	700	275	275	450	850	275	300	475	700	250	300	
AM	600 N @ 400 W	1950	350	300	150	425	375	225	175	600	425	275	100	425	375	225	150	400	400	250	175	450	400	250	150	500	375	250	175	
AM	Beck St @ N Chicago St	100	-	175	425	75	-	150	375	650	-	125	550	75	-	150	375	50	-	150	375	50	-	175	375	50	-	150	375	
AM	600 N @ I-15	275	325	3575	350	300	150	275	500	1725	375	525	675	300	175	275	575	325	175	275	550	250	150	275	375	375	175	325	525	
AM	900 W @ 1000 N	550	-	425	100	-	-	-	-	-	-	-	-	-	600	-	100	50	550	-	75	250	425	175	250	-	200	-	100	100
AM	1000 N @ I-15 DI	-	-	-	-	250	225	250	300	-	-	-	-	-	250	275	425	375	425	-	250	-	150	150	200	250	350	-	200	325
AM	2100 N @ Beck St	-	-	-	-	150	-	200	225	-	-	-	-	-	150	-	200	225	150	-	175	225	150	-	200	225	150	-	200	225
AM	1800 @ Frontage	-	-	-	-	-	-	-	-	-	200	50	175	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
AM	1800 N @I-15	-	-	-	-	-	-	-	-	125	325	175	300	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
AM	2100 N @ I-15	-	-	-	-	325	475	175	400	-	-	-	-	-	325	475	175	400	375	575	325	475	325	475	175	400	250	475	175	400
PM	600 N @ (NB) 8th W	25	75	75	25	75	100	100	25	525	125	450	25	50	100	100	25	50	100	100	25	100	125	100	25	100	125	100	25	
PM	600 N @ 900 W	275	700	225	150	300	325	175	125	500	475	200	150	325	325	175	125	325	350	175	125	450	450	275	325	475	550	175	175	
PM	600 N @ 300 W	400	500	1950	200	375	950	550	250	600	1350	1300	375	375	850	575	250	375	875	575	250	425	1325	650	250	400	900	850	275	
PM	600 N @ 400 W	525	500	850	525	400	900	475	525	1350	1075	450	525	400	925	475	625	375	900	475	550	425	900	525	575	350	925	450	825	
PM	Beck St @ N Chicago St	200	-	300	150	75	-	350	250	450	-	975	150	75	-	350	250	75	-	350	250	75	-	350	250	75	-	350	250	
PM	600 N @ I-15	275	575	550	300	225	225	475	550	1075	575	400	425	225	225	450	525	225	225	450	825	275	175	350	500	275	225	450	350	
PM	900 W @ 1000 N	375	-	1700	150	-	-	-	-	-	-	-	-	-	325	-	75	150	275	-	50	125	600	375	575	-	275	-	200	225
PM	1000 N @ I-15 DI	-	-	-	-	200	250	2050	375	-	-	-	-	-	150	150	350	300	200	-	325	-	325	350	925	375	175	-	450	275
PM	2100 N @ Beck St	-	-	-	-	200	-	525	100	-	-	-	-	-	200	-	525	100	200	-	550	100	200	-	575	100	200	-	500	100
PM	1800 @ Frontage	-	-	-	-	-	-	-	-	-	325	75	275	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
PM	1800 N @I-15	-	-	-	-	-	-	-	-	175	300	150	200	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
PM	2100 N @ I-15	-	-	-	-	250	500	200	250	-	-	-	-	-	250	500	200	250	300	575	500	275	275	475	200	250	225	475	200	250

## Appendix B: VISSIM Intersection Analysis Results, 2050 Options

### Legend

● Minimal Congestion (delays less than 35 seconds)

● Moderate Congestion (delays between 35 and 55 seconds)

● Heavy Congestion (delays more than 55 seconds)

Farmington		No-Action									Option A2									Option D2								
Time	Intersection name	EB	LOS	WB	LOS	NB	LOS	SB	LOS	EB	LOS	WB	LOS	NB	LOS	SB	LOS	EB	LOS	WB	LOS	NB	LOS	SB	LOS			
AM	Frontage Rd @ 200 W	7.4	A	10.8	B	-	-	-	-	1.2	A	14.5	B	8.1	A	5.4	A	2.6	A	12.0	B	8.3	A	5.7	A			
AM	W Gloves Ln @ Farmington High School	-	-	-	-	-	-	9.9	A	-	-	-	-	-	-	9.5	A	-	-	-	-	-	-	-	-	10.0	A	
AM	W Gloves Ln @ Frontage Rd	13.3	B	10.1	B	13.4	B	8.1	A	11.1	B	10.4	B	12.2	B	8.2	A	11.4	B	10.3	B	12.4	B	8.5	A			
AM	W Gloves Ln @ 650 W	31.4	C	20.3	C	28.4	C	29.8	C	17.7	B	17.8	B	19.4	B	20.9	C	18.7	B	18.4	B	19.9	B	21.4	C			
AM	400 W @ W State	-	-	-	-	-	-	-	-	5.0	A	5.9	A	-	-	7.4	A	13.1	B	13.3	B	13.6	B	12.7	B			
AM	400 W & Lagoon Dr	-	-	-	-	-	-	-	-	-	-	-	-	-	5.1	A	1.7	A	-	-	-	-	-	-	-	-		
PM	Frontage Rd @ 200 W	6.9	A	120.7	F	-	-	-	-	1.9	A	12.3	A	7.2	A	5.3	A	3.3	A	14.5	B	7.3	A	5.8	A			
PM	W Gloves Ln @ Farmington High School	-	-	-	-	-	-	9.8	A	-	-	-	-	-	-	9.0	A	-	-	-	-	-	-	-	-	9.3	A	
PM	W Gloves Ln @ Frontage Rd	51.6	D	31.5	C	39.0	D	24.0	C	16.2	B	19.4	B	22.4	C	13.0	B	16.8	B	19.9	B	23.5	C	12.8	B			
PM	W Gloves Ln @ 650 W	27.8	C	35.3	D	30.1	C	30.2	C	21.7	C	24.7	C	22.4	C	24.1	C	21.0	C	25.8	C	22.2	C	23.5	C			
PM	400 W @ W State	-	-	-	-	-	-	-	-	6.1	A	8.4	A	-	-	10.3	B	11.7	B	20.6	C	17.9	B	19.0	B			
PM	400 W & Lagoon Dr	-	-	-	-	-	-	-	-	-	-	-	-	-	8.6	A	3.8	A	-	-	-	-	-	-	-	-		

Parrish		No-Action									Option B								
Time	Intersection name	EB	LOS	WB	LOS	NB	LOS	SB	LOS	EB	LOS	WB	LOS	NB	LOS	SB	LOS		
AM	Bypass @ 800 West	-	-	-	-	-	-	-	-	11.8	B	11.8	B	3.5	A	4.2	A		
AM	Marketplace Dr @ 700 W	-	-	-	-	-	-	-	-	-	-	-	-	0.0	A	-	-		
AM	Parrish Ln @ SR-67 SB Ramps	-	-	-	-	-	-	23.4	C	-	-	-	-	-	-	16.5	A		
AM	Parrish Ln @ SR-67 NB Ramps	-	-	-	-	526.8	F	-	-	-	-	-	-	24.3	C	-	-		
AM	Parrish Ln @ (NB) 700 W	-	-	-	-	7.6	A	116.5	F	-	-	-	-	6.6	A	18.5	C		
AM	Parrish Ln @ I-15 SB Ramps	34.4	C	18.9	B	-	-	299.0	F	23.2	C	28.9	C	31.2	C	32.6	C		
AM	Parrish Ln @ I-15 NB Ramps	11.4	B	9.3	A	40.0	D	-	-	-	-	-	-	-	-	-	-		
AM	Parrish Ln @ Marketplace Dr	12.0	B	13.2	B	27.5	C	21.7	C	15.7	B	8.6	A	39.6	D	35.1	D		
AM	Parrish Ln @ 400 W	8.1	A	15.6	B	27.2	C	19.2	B	9.3	A	17.6	B	40.8	D	24.5	C		
AM	Parrish Ln @ 1250 W	16.9	B	21.3	C	34.5	C	36.3	D	25.1	C	19.7	B	27.8	C	30.2	C		
PM	Bypass @ 800 West	-	-	-	-	-	-	-	-	17.4	B	13.8	B	11.8	B	9.9	A		
PM	Marketplace Dr @ 700 W	-	-	-	-	-	-	-	-	-	-	-	-	0.0	A	-	-		
PM	Parrish Ln @ SR-67 SB Ramps	-	-	-	-	-	-	15.9	C	-	-	-	-	-	-	14.5	A		
PM	Parrish Ln @ SR-67 NB Ramps	-	-	-	-	25.1	D	-	-	-	-	-	-	15.5	C	-	-		
PM	Parrish Ln @ (NB) 700 W	-	-	-	-	103.5	F	272.1	F	-	-	-	-	7.1	A	16.9	C		
PM	Parrish Ln @ I-15 SB Ramps	264.9	F	39.6	D	-	-	274.0	F	29.6	C	24.7	C	44.6	D	40.2	D		
PM	Parrish Ln @ I-15 NB Ramps	45.2	D	24.9	C	344.6	F	-	-	-	-	-	-	-	-	-	-		
PM	Parrish Ln @ Marketplace Dr	65.8	E	44.6	D	34.0	C	41.1	D	23.6	C	21.0	C	47.0	D	39.5	D		
PM	Parrish Ln @ 400 W	62.0	E	38.3	D	63.7	E	28.2	C	23.9	C	33.7	C	38.1	D	30.6	C		
PM	Parrish Ln @ 1250 W	26.5	C	25.6	C	140.3	F	39.2	D	22.0	C	22.4	C	75.5	E	46.9	D		

Bountiful		No-Action								Option A							
Time	Intersection name	EB	LOS	WB	LOS	NB	LOS	SB	LOS	EB	LOS	WB	LOS	NB	LOS	SB	LOS
AM	400 N @ 800 West	7.7	A	1.5	A	17.2	B	21.3	C	8.4	A	8.3	A	15.2	B	22.4	C
AM	400 N @ 660 W Access	-	-	-	-	6.4	A	8.1	A	-	-	-	-	6.5	A	7.8	A
AM	400 N @ 660 W	0.0	A	-	-	-	-	-	-	6.2	A	-	-	-	-	-	-
AM	400 N @ I-15 SB On Ramp	12.6	B	11.7	B	-	-	-	-	18.5	B	12.4	B	12.9	B	-	-
AM	500 S @ 800 W	-	-	-	-	-	-	7.5	A	-	-	-	-	-	-	7.9	A
AM	500 S @ (NB) 700 W	-	-	-	-	7.7	A	11.2	B	-	-	-	-	6.0	A	9.7	A
AM	US-89 @ 1000 N	41.7	D	30.6	C	11.9	B	71.1	E	0.5	A	27.1	C	10.6	B	8.0	A
AM	500 S @ I-15	29.8	C	20.4	C	31.1	C	29.5	C	30.3	C	39.2	D	35.6	D	39.0	D
AM	500 S @ US-89	17.2	B	31.4	C	49.3	D	28.3	C	25.6	C	45.0	D	45.7	D	30.4	C
AM	400 N @ US-89	27.8	C	43.2	D	24.6	C	145.8	F	30.1	C	56.0	E	23.3	C	22.0	C
PM	400 N @ 800 West	15.2	B	5.0	A	48.0	D	29.7	C	11.1	B	8.0	A	17.9	B	39.9	D
PM	400 N @ 660 W Access	-	-	-	-	7.8	A	8.1	A	-	-	-	-	7.9	A	8.1	A
PM	400 N @ 660 W	6.0	A	-	-	-	-	-	-	6.2	A	-	-	-	-	-	-
PM	400 N @ I-15 SB On Ramp	29.7	C	85.0	F	-	-	-	-	27.9	C	18.3	B	17.4	B	-	-
PM	500 S @ 800 W	-	-	-	-	-	-	219.4	F	-	-	-	-	-	-	7.9	A
PM	500 S @ (NB) 700 W	-	-	-	-	466.1	F	25.3	D	-	-	-	-	14.4	B	9.7	A
PM	US-89 @ 1000 N	58.5	E	231.7	F	7.2	A	163.8	F	37.2	D	46.8	D	10.9	B	10.9	B
PM	500 S @ I-15 DDI	62.8	E	36.8	D	59.7	E	347.2	F	32.8	C	38.7	D	38.0	D	39.1	D
PM	500 S @ US-89	69.9	E	257.9	F	213.5	F	214.6	F	47.7	D	68.6	E	58.6	E	49.5	D
PM	400 N @ US-89	58.2	E	655.0	F	323.2	F	246.7	F	48.6	D	34.4	C	30.5	C	51.6	D

Woods Cross		No-Action								Option B							
Time	Intersection name	EB	LOS	WB	LOS	NB	LOS	SB	LOS	EB	LOS	WB	LOS	NB	LOS	SB	LOS
AM	2600 S @ 1100 W	10.4	B	11.5	B	25.8	C	33.4	C	9.6	A	9.5	A	23.3	C	27.5	C
AM	2600 S @ Overland Rd	-	-	-	-	9.8	A	-	-	-	-	-	-	9.5	A	-	-
AM	2600 S @ Wildcat Way	19.2	B	23.7	C	40.5	D	31.7	C	23.9	C	17.2	B	39.4	D	26.6	C
AM	2600 S @ US-89	49.9	D	58.9	E	618.1	F	294.8	F	34.3	C	105.6	F	77.7	E	31.3	C
AM	2600 S @ 800 W	7.8	A	14.1	B	-	-	32.0	C	-	-	-	-	-	-	-	-
AM	2600 S @ I-15	45.1	D	14.3	B	23.5	C	-	-	30.8	C	26.9	C	29.6	C	26.3	C
AM	Wildcat/625W & 800W/2500S	-	-	-	-	-	-	-	-	8.7	A	14.3	B	6.7	C	26.3	C
PM	2600 S @ 1100 W	17.1	B	11.7	B	93.0	F	393.7	F	12.2	B	9.5	A	24.9	C	26.2	C
PM	2600 S @ Overland Rd	-	-	-	-	11.7	B	-	-	-	-	-	-	9.8	A	-	-
PM	2600 S @ Wildcat Way	76.4	E	30.5	C	195.4	F	32.1	C	27.9	C	42.7	D	34.8	C	31.0	C
PM	2600 S @ US-89	131.9	F	61.1	E	341.0	F	46.6	D	61.2	E	144.0	F	90.0	F	28.2	C
PM	2600 S @ 800 W	19.2	B	8.4	A	-	-	58.9	E	-	-	-	-	-	-	-	-
PM	2600 S @ I-15 NB Ramps	79.1	E	14.1	B	339.7	F	-	-	36.4	D	14.1	B	37.1	D	43.1	D
PM	Wildcat/625W & 800W/2500S	-	-	-	-	-	-	-	-	7.6	A	16.7	B	11.5	D	43.1	D

North Salt Lake		No-Action								Option A							
Time	Intersection name	EB	LOS	WB	LOS	NB	LOS	SB	LOS	EB	LOS	WB	LOS	NB	LOS	SB	LOS
AM	Center St @ Main St	12.2	B	13.5	B	38.2	D	21.3	C	13.3	B	12.2	B	42.7	D	23.1	C
AM	US-89 @ Main St	38.3	D	-	-	4.5	A	5.1	A	38.7	D	-	-	6.1	A	5.3	A
AM	US-89 @ Eagle gate Dr	-	-	8.9	A	-	-	-	-			10.4	B				
AM	US-89 @ Eagle Ridge Dr	99.4	F	35.5	D	17.4	B	18.4	B	37.1	D	30.4	C	11.2	B	7.7	A
AM	US-89 @ Center St	21.1	C	28.1	C	17.8	B	17.0	B	23.6	C	28.0	C	20.8	C	14.5	B
AM	US-89 @ I-215	-	-	-	-	-	-	-	-	11.7	B	-	-	20.3	C	20.4	C
AM	I-15 @ I-215	-	-	-	-	-	-	-	-	18.9	B	8.6	A	27.7	C	18.3	B
PM	Center St @ Main St	15.9	B	25.6	C	41.8	D	23.2	C	13.8	B	17.7	B	39.6	D	24.2	C
PM	US-89 @ Main St	39.5	D	-	-	3.8	A	10.6	B	37.5	D	-	-	16.3	B	8.2	A
PM	US-89 @ Eagle gate Dr	-	-	14.2	B	-	-	-	-			16.7	C				
PM	US-89 @ Eagle Ridge Dr	25.2	C	31.1	C	25.4	C	12.9	B	26.5	C	43.4	D	19.6	B	11.1	B
PM	Center St @ US-89	22.8	C	22.9	C	24.9	C	19.5	B	20.3	C	25.5	C	30.1	C	15.6	B
PM	US-89 @ I-215	-	-	-	-	-	-	-	-	13.0	B	-	-	35.1	D	20.3	C
PM	I-15 @ I-215	-	-	-	-	-	-	-	-	29.5	C	9.5	A	47.1	D	27.7	C

Salt Lake		No-Action								Option A-C3								Option A-Alt 2							
Time	Intersection name	EB	LOS	WB	LOS	NB	LOS	SB	LOS	EB	LOS	WB	LOS	NB	LOS	SB	LOS	EB	LOS	WB	LOS	NB	LOS	SB	LOS
AM	600 N @ (NB) 8th W	-	-	-	-	10.11	B	6.13	A	-	-	-	-	10.88	B	5.98	A	-	-	-	-	12.46	B	5.88	A
AM	600 N @ 900 W	16.35	B	13.23	B	16.15	B	19.55	B	20.38	C	15.89	B	13.91	B	25.65	C	21.22	C	16.64	B	17.76	B	27.30	C
AM	600 N @ 300 W	29.53	C	28.40	C	1164.16	F	27.28	C	26.50	C	79.49	E	41.99	D	35.37	D	28.56	C	71.79	E	40.96	D	33.73	C
AM	600 N @ 400 W	195.91	F	26.80	C	39.90	D	23.07	C	21.14	C	23.04	C	37.17	D	25.35	C	22.43	C	24.46	C	38.78	D	24.75	C
AM	Beck St @ N Chicago St	36.36	D	-	-	14.40	B	13.79	B	44.56	D	-	-	22.68	C	20.08	C	44.14	D	-	-	22.77	C	20.25	C
AM	600 N @ I-15	44.94	D	36.49	D	197.48	F	36.12	D	57.82	E	49.59	D	31.00	C	49.33	D	65.24	E	69.89	E	41.12	D	64.46	E
AM	900 W @ 1000 N	22.89	C	-	-	30.27	C	8.60	A	15.20	B	4.92	A	19.89	B	-	-	11.91	B	6.12	A	13.01	B	-	-
AM	1000 N @ I-15	-	-	-	-	-	-	-	-	8.65	A	39.42	D	31.05	C	10.16	B	34.60	C	16.18	B	15.70	B	20.24	C
AM	2100 N @ Beck St	-	-	-	-	-	-	-	-	24.31	C	-	-	10.68	B	10.93	B	10.84	B	-	-	10.86	B	15.92	B
AM	2100 N @ I-15	-	-	-	-	-	-	-	-	42.20	D	33.98	C	29.43	C	38.23	D	35.84	D	29.26	C	38.39	D	36.65	D
PM	600 N @ (NB) 8th W	-	-	-	-	6.43	A	5.78	A	-	-	-	-	8.78	A	5.97	A	-	-	-	-	9.80	A	5.74	A
PM	600 N @ 900 W	25.56	C	29.18	C	24.35	C	24.39	C	30.32	C	24.75	C	34.70	C	42.62	D	26.05	C	23.72	C	23.77	C	26.64	C
PM	600 N @ 300 W	26.35	C	57.59	E	177.17	F	26.76	C	32.56	C	151.10	F	50.52	D	45.27	D	33.61	C	88.13	F	58.41	E	45.61	D
PM	600 N @ 400 W	26.58	C	33.54	C	66.87	E	91.37	F	33.07	C	55.64	E	49.61	D	121.69	F	29.71	C	52.59	D	45.82	D	196.70	F
PM	Beck St @ N Chicago St	31.66	C	-	-	11.65	B	9.64	A	46.61	D	-	-	24.63	C	20.23	C	45.37	D	-	-	25.12	C	20.27	C
PM	600 N @ I-15 SPU	50.00	D	42.72	D	47.03	D	33.82	C	50.24	D	45.27	D	48.91	D	62.25	E	49.21	D	43.71	D	57.61	E	45.88	D
PM	900 W @ 1000 N	22.64	C	-	-	353.90	F	9.55	A	22.58	C	4.57	A	29.01	C	-	-	15.59	B	9.63	A	22.38	C	-	-
PM	1000 N @ I-15 DI	-	-	-	-	-	-	-	-	15.09	B	103.57	F	50.74	D	11.85	B	27.97	C	26.69	C	23.00	C	25.90	C
PM	2100 N @ Beck St	-	-	-	-	-	-	-	-	10.96	B	-	-	19.03	B	13.28	B	19.00	B	-	-	13.40	B	15.71	B
PM	2100 N @ I-15	-	-	-	-	-	-	-	-	41.17	D	22.02	C	28.66	C	36.67	D	31.67	C	28.84	C	36.43	D	33.77	C



## Appendix C: I-15 Freeway Density and LOS

Segment	Type	2050 AM Peak Hour									
		Average Density (pc/hr/in)					LOS				
		6:00 AM	7:00 AM	8:00 AM	9:00 AM	Average	6:00 AM	7:00 AM	8:00 AM	9:00 AM	Average
<b>I-15 Northbound</b>											
I-15 SB - North of Shepard Basic	Basic	22	20	18	14	19	C	C	B	B	C
I-15 SB - Shepard to Park Weave	Weave	26	23	20	17	21	C	C	C	B	C
I-15 SB - Legacy Diverge	Diverge	20	18	16	14	17	B	B	B	B	B
I-15 SB - Between Legacy and US-89 Ramps Basic	Basic	22	19	18	15	18	C	C	B	B	C
I-15 SB - US-89 Merge	Merge	19	21	19	15	18	B	C	B	B	B
I-15 SB - Lane Drop	Basic	19	21	19	15	18	C	C	C	B	C
I-15 SB - Between US-89 and 200 W Basic	Basic	18	20	18	15	18	C	C	C	B	B
I-15 SB - 200 W Merge	Merge	21	27	24	16	22	C	C	C	B	C
I-15 SB - 200 W to WDC	Basic	20	23	21	17	20	C	C	C	B	C
I-15 SB - WDC Merge	Merge	19	21	20	16	19	B	C	B	B	B
I-15 SB - WDC to Parrish Basic	Basic	21	24	22	17	21	C	C	C	B	C
I-15 SB - Parrish Diverge	Basic	22	25	24	17	22	C	C	C	B	C
I-15 SB - Between Parrish Ramps	Basic	22	32	32	18	26	C	D	D	B	C
I-15 SB - Parrish Merge	Merge	21	38	40	19	29	C	E	E	B	D
I-15 SB - Between Parrish and 400 N Basic	Basic	23	41	44	20	32	C	E	E	C	D
I-15 SB - 400 N Diverge	Diverge	23	26	25	20	23	C	C	C	B	C
I-15 SB - 400 N Diverge to 500 S Diverge - Diverge	Diverge	23	25	22	19	22	C	C	C	C	C
I-15 SB - 500 S Diverge to 400 N Merge - Basic	Basic	21	23	20	16	20	C	C	B	B	B
I-15 SB - 400 N Merge to 500 S Merge - Merge	Merge	23	28	20	16	22	C	D	C	B	C
I-15 SB - 500 S Merge	Merge	25	30	25	18	24	C	D	C	B	C
I-15 SB - Between 500 S and 2600 S Basic	Basic	24	28	24	18	23	C	D	C	C	C
I-15 SB - 2600 S Diverge	Diverge	23	30	25	17	24	C	D	C	B	C
I-15 SB - Between 2600 S Ramps Basic	Basic	25	36	29	17	27	C	E	D	B	D
I-15 SB - 2600 S Merge	Merge	24	44	39	17	31	C	E	E	B	D

Segment	Type	2050 AM Peak Hour									
		Average Density (pc/hr/in)					LOS				
		6:00 AM	7:00 AM	8:00 AM	9:00 AM	Average	6:00 AM	7:00 AM	8:00 AM	9:00 AM	Average
I-15 SB - Between 2600 S and Center St Basic	Basic	27	44	36	18	31	D	E	E	C	D
I-15 SB - Center St to 215 Basic	Basic	23	26	24	18	23	C	C	C	B	C
I-15 SB - I-215 Diverge	Diverge	22	24	23	17	22	C	C	C	B	C
I-15 SB - US-89 Diverge	Diverge	22	23	22	17	21	C	C	C	B	C
I-15 SB - Between US-89 Ramps Basic	Basic	22	26	24	17	22	C	D	C	B	C
I-15 SB - US-89 Merge	Merge	19	22	21	16	20	B	C	C	B	B
I-15 SB - Between US-89 and 1100 W Basic	Basic	20	22	20	16	19	C	C	C	B	C
I-15 SB - 2300 N Diverge	Diverge	20	23	21	17	20	C	C	C	B	C
I-15 SB - Between 2300 N Ramps Basic	Basic	21	25	24	18	22	C	C	C	C	C
I-15 SB - 2300 N Merge	Merge	19	23	22	17	20	B	C	C	B	C
I-15 SB - Between 2300 N and 1000 N Basic	Basic	19	22	21	17	20	C	C	C	B	C
I-15 SB - 1000 N Diverge	Diverge	19	22	21	17	19	B	C	C	B	B
I-15 SB - 1000 N Ramps Basic	Basic	18	21	20	16	19	C	C	C	B	C
I-15 SB - 1000 N Merge	Merge	18	21	30	16	21	B	C	D	B	C
I-15 SB - Between 600 N Ramps	Basic	20	25	44	18	27	B	C	E	B	C
I-15 SB - Between 600 N and I-80 Weave	Weave	20	30	53	22	31	C	D	F	C	D
I-15 SB - 400 S Diverge	Diverge	21	35	61	28	36	C	E	E	D	E
I-15 SB - Between 400 S and I-80 Basic	Basic	22	37	52	28	35	C	E	F	D	D
I-15 SB - I-80 EB to I-80 WB Ramps Merge	Merge	20	33	33	23	27	C	D	D	C	C
I-15 SB - Between I-80 and 1300 S Weave	Weave	16	21	20	17	19	B	C	C	B	B
I-15 SB - 1300 S to South End	Basic	16	21	20	17	19	B	C	C	B	C

Segment	Type	2050 PM Peak Hour									
		Average Density (pc/hr/ln)					LOS				
		3:00 PM	4:00 PM	5:00 PM	6:00 PM	Average	3:00 PM	4:00 PM	5:00 PM	6:00 PM	Average
<b>I-15 Northbound</b>											
I-15 NB - ML + HOV Entrance	Basic	20	24	20	19	21	C	C	C	C	C
I-15 NB - South End to 400 S	Basic	33	48	28	19	32	D	F	D	C	D
I-15 NB - 400 S Merge	Merge	39	53	34	21	37	E	E	D	C	E
I-15 NB - I-80 Merge	Merge	32	40	36	26	33	D	E	E	C	D
I-15 NB - 600 N Diverge	Diverge	32	47	40	24	36	D	E	E	C	E
I-15 NB - 600 N Between Ramps	Basic	38	51	45	25	40	E	F	F	C	E
I-15 NB - Between 600 N SDI Slip Ramp and 1000 N	Weave	24	28	45	23	30	C	C	F	C	D
I-15 NB - 1000 N Merge	Merge	21	37	76	29	41	C	E	E	D	E
I-15 NB - Between 1000 N and 2300 N Basic	Basic	23	47	77	31	44	C	F	F	D	E
I-15 NB - 2300 N Diverge	Diverge	29	55	75	34	48	D	E	E	D	E
I-15 NB - Between 2300 N Ramps	Basic	28	42	62	32	41	D	E	F	D	E
I-15 NB - 2300 N Merge	Merge	22	33	64	29	37	C	D	E	D	E
I-15 NB - I-215/US-89 Diverge	Diverge	22	41	69	40	43	C	E	E	E	E
I-15 NB - Between I-215/US-89 Interchange Ramps	Basic	24	50	73	45	48	C	E	E	E	E
I-15 NB - Between I-215/US-89 Interchange Merge and I-215 Flyover Ramps	Merge	23	56	76	50	51	C	E	E	E	E
I-15 NB - I-215 Flyover Ramps Merge	Merge	20	65	79	55	55	C	E	E	E	E
I-15 NB - Between I-215 and 2600 S Basic	Diverge	24	54	62	48	47	C	E	E	E	E
I-15 NB - 2600 S Diverge	Diverge	24	53	60	50	47	C	E	E	E	E
I-15 NB - Between 2600 S Ramps	Basic	27	51	56	50	46	D	F	F	F	F
I-15 NB - 2600 S Merge	Merge	31	54	60	54	50	D	E	E	E	E
I-15 NB - Between 2600 S and 500 S Basic	Basic	30	49	49	47	44	D	F	F	F	E
I-15 NB - 500 S Diverge	Diverge	29	41	34	35	35	D	E	D	E	D
I-15 NB - 500 S Diverge to 400 N Diverge - Diverge	Diverge	32	51	42	41	41	D	F	E	E	E
I-15 NB - 400 N Diverge to 500 S Merge - Basic	Basic	37	60	55	50	51	E	F	F	F	F
I-15 NB - 500 S Merge	Merge	43	54	54	50	50	F	F	F	F	F
I-15 NB - 400 N to 500 W Basic	Basic	23	26	26	25	25	C	D	C	C	C
I-15 NB - 500 W Merge	Merge	22	27	27	26	26	C	C	C	C	C
I-15 NB - 500 W to Parrish Basic	Basic	21	27	26	25	25	C	D	D	C	C

Segment	Type	2050 PM Peak Hour									
		Average Density (pc/hr/ln)					LOS				
		3:00 PM	4:00 PM	5:00 PM	6:00 PM	Average	3:00 PM	4:00 PM	5:00 PM	6:00 PM	Average
I-15 NB - Parrish Diverge	Diverge	20	25	24	24	23	C	C	C	C	C
I-15 NB - Between Parrish Ramps	Basic	20	25	24	23	23	C	C	C	C	C
I-15 NB - Parrish Lane Merge	Merge	21	29	26	26	25	C	D	C	C	C
I-15 NB - Parrish to WDC Basic	Basic	20	25	22	22	22	C	C	C	C	C
I-15 NB - Parrish to WDC Diverge	Diverge	23	33	27	27	28	C	D	C	C	C
I-15 NB - WDC to 200 W Basic	Basic	19	24	22	21	22	C	C	C	C	C
I-15 NB - 200 W Diverge	Diverge	18	27	32	20	24	B	C	D	C	C
I-15 NB - 200 W to US-89	Basic	19	35	42	24	30	C	E	E	C	D
I-15 NB - US-89 Diverge	Diverge	18	21	21	20	20	B	C	C	B	B
I-15 NB - Between US-89 and Legacy Ramps Basic	Basic	17	17	14	14	15	B	B	B	B	B
I-15 NB - Legacy Merge	Merge	15	16	12	13	14	B	B	B	B	B
I-15 NB - Park Lane Merge	Merge	16	16	13	13	15	B	B	B	B	B
I-15 NB - Park Lane Basic	Basic	17	18	15	14	16	B	B	B	B	B
I-15 NB - Shepard Diverge	Diverge	16	17	14	14	15	B	B	B	B	B
I-15 NB - North of Shepard Basic	Basic	17	18	15	14	16	B	C	B	B	B

## Appendix D: Corridor Volume Served & Percent Served

Farmington Option A2											
Intersection Name											
(EB) Frontage Rd @ 200 W NB											
W Grovers Ln @ Farmington High School											
S	C	S	IN	SB	WB	EB	IN	SB	NB	WB	EB
NB	WB	EB	IN	SB	WB	EB	IN	SB	NB	WB	EB
B	B	A	A	-	-	A	A	A	B	A	Approach
C	B	A	A	-	-	A	A	A	B	A	AM
11.2	9.0	9.2	8.3	8.3	-	-	5.0	4.8	7.0	12.0	PM
12.2	10.4	11.1	9.3	9.3	-	-	5.8	5.6	7.9	14.2	1.5
12.1	9.7	11.0	9.5	9.5	-	-	5.8	5.2	8.1	14.4	1.8
10.5	8.8	9.1	8.4	8.4	-	-	5.1	4.9	7.4	12.1	1.6
17.7	16.3	14.8	8.4	8.4	-	-	4.9	4.6	6.2	10.9	2.5
22.4	19.4	16.2	9.0	9.0	-	-	5.8	5.3	7.0	12.0	2.9
20.6	19.4	16.0	8.8	8.8	-	-	5.8	5.4	7.3	12.6	2.8
15.5	15.4	13.6	8.5	8.5	-	-	5.1	4.5	6.1	10.5	2.5
50	75	50	50	0	50	0	100	125	100	0	6:00:00 AM
75	100	50	75	0	100	0	125	175	125	0	7:00:00 AM
95th Percentile Queue (Feet)											
75	100	75	75	0	100	0	125	150	125	0	8:00:00 AM
75	75	50	50	0	75	0	100	125	100	0	9:00:00 AM
225	100	125	50	0	0	0	125	125	75	0	3:00:00 PM
325	125	150	75	0	0	0	175	175	100	0	4:00:00 PM
275	125	150	50	0	0	0	150	175	100	0	5:00:00 PM
200	100	125	50	0	0	0	125	150	75	0	6:00:00 PM
107	138	137	124	254	302	#N/A	277	100	213	6:00:00 AM	900-4500
149	190	188	170	349	427	#N/A	381	142	280	7:00:00 AM	4500-8100
146	185	188	166	345	418	#N/A	375	134	293	8:00:00 AM	8100-11700
146	187	185	166	347	420	#N/A	378	137	285	9:00:00 AM	11700-15300
399	143	315	99	379	345	#N/A	538	175	441	3:00:00 PM	900-4500
470	169	378	120	442	411	#N/A	629	207	532	4:00:00 PM	4500-8100
467	165	379	120	433	410	#N/A	637	208	524	5:00:00 PM	8100-11700
465	166	375	119	432	406	#N/A	632	206	531	6:00:00 PM	11700-15300
110	140	132	125	258	310	#N/A	280	103	214	6:00:00 AM	900-4500
150	190	180	170	350	420	#N/A	380	140	290	7:00:00 AM	4500-8100
149	188	178	168	346	415	#N/A	375	139	287	8:00:00 AM	8100-11700
139	176	167	157	324	389	#N/A	352	130	269	9:00:00 AM	11700-15300
399	144	314	101	373	340	#N/A	543	178	449	3:00:00 PM	900-4500
470	170	370	120	440	400	#N/A	640	210	530	4:00:00 PM	4500-8100
469	170	369	120	439	399	#N/A	638	209	529	5:00:00 PM	8100-11700
439	159	345	112	411	373	#N/A	597	196	495	6:00:00 PM	11700-15300
97.3	98.6	104.0	99.0	98.5	97.5	#N/A	98.8	97.3	99.5	7:00:00 AM	
99.1	100.5	104.7	99.9	99.9	101.8	#N/A	100.2	101.3	96.7	8:00:00 AM	
98.5	98.3	105.6	98.7	99.9	100.6	#N/A	100.0	96.8	102.0	9:00:00 AM	
104.9	106.5	110.8	105.5	107.2	108.0	#N/A	107.4	105.6	106.2	10:00 AM	
100.0	99.5	100.5	97.6	101.5	101.5	#N/A	99.1	98.6	98.3	3:00:00 PM	
99.9	99.2	102.2	100.1	100.4	102.7	#N/A	98.3	98.5	100.5	4:00:00 PM	
99.6	97.1	102.9	100.0	98.6	102.8	#N/A	99.8	99.2	99.2	5:00:00 PM	
106.0	104.5	108.5	106.3	105.1	108.8	#N/A	105.9	105.3	107.4	6:00:00 PM	
0.0	0.3	1.6	0.2	0.5	0.9	#N/A	0.6	0.1	0.4	AM	GEH
0.6	0.0	1.3	0.2	0.5	1.5	#N/A	0.4	0.1	0.6	PM	

Farmington Option A2											
W Gloves Ln @ 650 W											
W State @ 400 W											
Lagoon Dr @ 400 W											
IN	SB	NB	WB	IN	SB	WB	EB	IN	SB	NB	WB
A	A	A	-	A	A	A	B	A	B	C	B
A	A	A	-	A	A	B	A	C	B	C	B
3.	4.	1.7	4.3	-	4.4	5.3	5.8	4.1	14.1	19.0	16.8
5.	6.	2.4	5.3	-	5.3	6.8	6.0	5.1	18.4	20.6	19.2
7.	8.	5.	5.5	-	5.4	6.6	7.0	4.9	18.2	20.9	19.4
9.	10.	6.	4.6	-	4.6	5.8	5.7	4.5	14.6	19.1	17.3
11.	12.	7.	4.9	-	7.8	6.8	7.1	8.4	5.7	19.2	12.6
13.	14.	8.	9.4	-	8.1	7.7	10.8	6.0	22.9	23.5	22.4
15.	16.	9.	9.9	-	8.5	8.0	11.3	6.1	23.0	24.1	22.4
17.	18.	10.	7.5	-	6.6	6.6	8.5	5.5	18.0	21.1	18.4
20.	21.	11.	0	100	100	125	125	125	75	75	200
22.	23.	12.	0	0	0	125	200	150	100	100	325
25.	26.	13.	0	0	0	125	225	150	100	100	275
28.	29.	14.	0	0	0	150	150	125	75	75	200
31.	32.	15.	0	0	0	150	175	325	225	100	250
34.	35.	16.	0	0	0	150	175	500	250	100	250
37.	38.	17.	0	0	0	175	175	450	250	100	250
40.	41.	18.	0	0	0	150	150	325	200	100	175
43.	44.	19.	0	0	0	176	130	337	446	183	138
46.	47.	20.	0	0	0	266	354	235	179	457	605
49.	50.	21.	0	0	0	308	357	233	182	455	600
52.	53.	22.	0	0	0	309	353	235	177	453	600
55.	56.	23.	0	0	0	307	353	235	177	453	600
58.	59.	24.	0	0	0	745	257	269	345	705	623
61.	62.	25.	0	0	0	879	304	314	398	838	740
64.	65.	26.	0	0	0	877	299	316	407	838	739
67.	68.	27.	0	0	0	874	299	316	396	835	734
70.	71.	28.	0	0	0	229	265	177	132	339	450
73.	74.	29.	0	0	0	310	360	240	180	460	610
76.	77.	30.	0	0	0	306	356	238	178	455	603
79.	80.	31.	0	0	0	287	333	222	167	426	565
82.	83.	32.	0	0	0	746	254	272	339	712	627
85.	86.	33.	0	0	0	880	300	320	400	840	740
88.	89.	34.	0	0	0	878	300	319	399	838	738
91.	92.	35.	0	0	0	821	280	299	373	784	691
94.	95.	36.	0	0	0	99.5	98.4	97.7	99.7	99.4	99.1
97.	98.	37.	0	0	0	100.2	100.3	99.4	98.5	99.3	99.0
100.	101.	38.	0	0	0	107.1	106.1	105.9	106.5	106.3	100.0
103.	104.	39.	0	0	0	99.9	100.9	99.2	101.7	99.1	99.4
106.	107.	40.	0	0	0	99.8	101.3	98.2	99.4	99.7	100.5
109.	110.	41.	0	0	0	99.9	99.8	99.1	101.9	100.1	99.1
112.	113.	42.	0	0	0	106.5	106.9	105.8	106.2	106.4	105.5
115.	116.	43.	0	0	0	107.1	107.4	106.1	106.5	106.3	105.5
118.	119.	44.	0	0	0	99.8	99.8	99.1	101.3	100.5	99.3
121.	122.	45.	0	0	0	99.9	99.9	99.2	101.7	101.2	99.7
124.	125.	46.	0	0	0	106.5	106.5	105.8	106.2	106.4	105.5
127.	128.	47.	0	0	0	107.1	107.4	106.1	106.5	106.3	105.5
130.	131.	48.	0	0	0	99.8	99.8	99.1	101.3	100.5	99.3
133.	134.	49.	0	0	0	99.9	99.9	99.2	101.7	101.2	99.7
136.	137.	50.	0	0	0	106.5	106.5	105.8	106.2	106.4	105.5
139.	140.	51.	0	0	0	107.1	107.4	106.1	106.5	106.3	105.5
142.	143.	52.	0	0	0	99.8	99.8	99.1	101.3	100.5	99.3
145.	146.	53.	0	0	0	99.9	99.9	99.2	101.7	101.2	99.7
148.	149.	54.	0	0	0	106.5	106.5	105.8	106.2	106.4	105.5
151.	152.	55.	0	0	0	107.1	107.4	106.1	106.5	106.3	105.5
154.	155.	56.	0	0	0	99.8	99.8	99.1	101.3	100.5	99.3
157.	158.	57.	0	0	0	99.9	99.9	99.2	101.7	101.2	99.7
160.	161.	58.	0	0	0	106.5	106.5	105.8	106.2	106.4	105.5
163.	164.	59.	0	0	0	107.1	107.4	106.1	106.5	106.3	105.5
166.	167.	60.	0	0	0	99.8	99.8	99.1	101.3	100.5	99.3
169.	170.	61.	0	0	0	99.9	99.9	99.2	101.7	101.2	99.7
172.	173.	62.	0	0	0	106.5	106.5	105.8	106.2	106.4	105.5
175.	176.	63.	0	0	0	107.1	107.4	106.1	106.5	106.3	105.5
178.	179.	64.	0	0	0	99.8	99.8	99.1	101.3	100.5	99.3
181.	182.	65.	0	0	0	99.9	99.9	99.2	101.7	101.2	99.7
184.	185.	66.	0	0	0	106.5	106.5	105.8	106.2	106.4	105.5
187.	188.	67.	0	0	0	107.1	107.4	106.1	106.5	106.3	105.5
190.	191.	68.	0	0	0	99.8	99.8	99.1	101.3	100.5	99.3
193.	194.	69.	0	0	0	99.9	99.9	99.2	101.7	101.2	99.7
196.	197.	70.	0	0	0	106.5	106.5	105.8	106.2	106.4	105.5
199.	200.	71.	0	0	0	107.1	107.4	106.1	106.5	106.3	105.5

		Farmington Option B						Intersection Name	
		C	WB	SB	NB	WB	EB	Approach	Control
A	m	'	B	'	'	A	B	AM	Worst Case LOS
A	B	-	-	B	-	-	A	PM	Worst Case LOS
5.7	15.9	-	-	11.1	11.1	-	8.5	9.2	6:00:00 AM
6.9	46.4	-	-	11.5	11.5	-	9.0	10.6	7:00:00 AM
6.0	23.8	23.8	-	11.4	11.4	-	8.8	9.7	8:00:00 AM
5.5	13.2	13.2	-	10.3	10.3	-	8.0	8.5	9:00:00 AM
7.7	11.3	11.3	-	12.3	12.3	-	8.5	9.3	3:00:00 PM
7.8	14.6	14.6	-	12.6	12.6	-	8.9	10.1	4:00:00 PM
8.0	14.2	14.2	-	13.7	13.7	-	8.8	9.8	5:00:00 PM
7.6	11.6	11.6	-	12.2	12.2	-	8.2	8.5	6:00:00 PM
100	75	0	125		50	0	0	50	75
175	325	75	550		75	0	0	75	75
150	100	0	350		75	0	0	75	75
100	50	0	125		50	0	0	50	50
275	50	0	0		50	0	0	50	50
275	50	0	0		50	0	0	50	50
300	75	0	0		75	0	0	75	50
250	50	0	0		50	0	0	50	50
319	158	595	552		122	0	311	122	131
392	192	755	687		151	0	379	151	166
368	179	709	659		141	0	346	141	153
352	172	676	623		135	0	335	135	146
697	107	589	638		107	0	458	107	76
819	128	719	753		127	0	539	127	92
812	128	716	765		128	0	535	128	90
765	120	673	712		120	0	502	120	84
287	140	545	501		111	0	273	111	118
391	190	740	680		150	0	370	150	160
386	188	732	673		149	0	366	149	158
361	176	685	629		139	0	343	139	148
704	110	602	644		110	0	458	110	77
830	130	710	760		130	0	540	130	90
827	130	709	758		130	0	539	130	90
774	121	663	709		122	0	504	122	84
111.2	113.3	109.1	110.1		110.0	0	113.6	110.0	110.9
100.5	101.1	102.0	101.1		101.2	0	102.6	101.2	103.8
95.4	95.3	96.9	98.1		95.1	0	94.6	95.1	96.9
97.4	97.7	98.6	99.0		97.1	0	97.8	97.1	98.6
99.0	96.9	97.8	99.1		97.3	0	100.0	97.3	99.1
98.7	98.4	101.3	99.1		97.8	0	99.8	97.8	102.4
98.2	99.0	101.1	100.9		98.7	0	99.3	98.7	100.1
98.8	98.9	101.5	100.4		98.9	0	99.6	98.9	100.5
0.2	0.3	0.6	0.8		0.1	0	0.5	0.1	0.5
0.8	0.4	0.3	0.0		0.4	0	0.2	0.4	0.1
									GEH

Farmington Option B											
	IN	SB	NB	WB	EB	IN	SB	NB	WB		
		S				S					
	B	B	B	B	D	C	D	B	B	A	
	B	B	C	B	D	D	D	C	C	B	
9.8	13.1	11.1	12.4	20.3	29.2	17.0	17.4	21.3	11.1	13.5	31.3
11.1	14.3	16.2	14.7	35.5	36.1	22.6	24.9	50.8	12.1	15.1	29.9
10.6	13.5	17.0	12.0	13.9	28.7	35.1	20.5	23.3	34.8	11.4	14.6
9.4	12.2	14.9	10.8	12.2	18.8	28.2	16.9	15.7	19.2	10.9	13.8
14.0	17.8	17.7	14.8	20.1	29.4	36.6	30.7	26.9	28.1	14.3	21.2
15.8	19.4	22.2	16.0	21.9	51.4	42.2	67.8	48.5	36.4	14.8	21.8
15.9	19.5	22.0	15.9	22.1	48.0	41.0	62.8	44.3	35.7	14.6	22.1
13.4	17.1	17.4	14.1	18.6	30.2	34.2	30.1	30.3	27.0	14.4	21.5
125	100	100	75	125	100	100	175	325	75	75	100
175	100	100	100	175	150	150	375	875	100	100	125
150	100	100	100	150	125	125	375	575	100	75	100
125	75	100	100	100	100	100	200	275	75	75	100
150	125	100	125	150	150	425	450	225	75	125	125
175	200	125	150	200	900	900	1125	300	75	75	125
175	175	125	150	175	900	900	875	300	100	125	150
150	125	100	125	150	400	400	625	225	75	125	125
395	151	735	389	169	181	466	488	241	159	463	900-4500
487	197	902	483	213	224	594	593	295	192	569	4500-8100
456	182	837	468	199	209	560	565	276	178	530	8100-11700
436	174	804	439	190	200	534	535	264	171	507	11700-15300
469	385	641	653	186	470	598	267	231	277	406	900-4500
560	462	751	768	219	555	735	319	268	328	477	4500-8100
560	451	746	785	218	561	736	322	268	328	475	8100-11700
523	432	701	730	205	523	693	299	251	307	445	11700-15300
354	140	656	354	155	162	427	435	214	140	414	900-4500
480	190	890	480	210	220	580	590	290	190	561	4500-8100
475	188	880	474	208	218	573	584	287	188	555	8100-11700
444	176	824	444	195	204	537	546	268	176	519	11700-15300
475	390	644	661	186	474	619	272	229	279	407	900-4500
560	461	760	780	220	560	730	320	270	330	480	4500-8100
559	459	758	778	219	559	728	319	269	330	479	8100-11700
523	430	709	728	205	523	681	299	252	308	448	11700-15300
111.8	107.8	112.0	110.0	109.4	111.7	109.1	112.3	112.6	113.2	112.0	
101.5	103.5	101.3	100.6	101.7	101.8	102.4	100.6	102.0	101.1	101.6	
96.2	96.7	95.1	98.7	95.6	96.1	97.7	96.8	96.3	94.8	95.4	
98.1	99.0	97.6	98.9	97.8	98.1	99.4	98.0	98.4	97.3	97.5	
98.7	98.9	99.6	98.8	100.0	99.1	96.7	98.3	100.9	99.2	99.8	
99.9	100.4	98.8	98.5	99.5	99.1	100.6	99.6	99.2	99.3	99.3	
100.2	98.2	98.4	100.9	99.4	100.4	101.1	100.8	99.7	99.6	99.6	
100.0	100.6	98.9	100.2	100.1	100.0	101.7	100.2	99.6	99.6	99.4	
0.5	0.4	0.5	0.6	0.2	0.4	0.8	0.6	0.5	0.2	0.4	
0.1	0.2	0.6	0.2	0.1	0.2	0.1	0.1	0.1	0.2	0.2	GEH

Intersection Name	Farmington Option C										Percent Served
	Frontage Rd @ 200 W NB	S	C	W	IN	SB	NB	WB	EB	Approach	
Control	AM	PM	AM	PM	AM	PM	AM	PM	AM	Worst Case LOS	
W Gloves Ln @ Farmington High School											900-4500
W Gloves Frontage Rd	S	C	W	IN	SB	NB	WB	EB	Approach		4500-8100
B	IN	SB	WB	EB	IN	SB	NB	WB	EB		8100-11700
C	B	-	-	-	B	B	B	B	B		11700-15300
10.0	14.9	9.6	9.6	-	-	12.3	13.4	10.2	15.6	10.2	6:00:00 AM
13.0	23.4	12.5	12.5	-	-	17.0	17.6	13.9	23.7	12.8	7:00:00 AM
12.8	21.1	12.2	12.1	-	-	16.8	17.6	13.4	23.7	13.1	8:00:00 AM
10.5	16.1	10.2	10.3	-	-	12.6	13.8	10.5	15.6	11.0	9:00:00 AM
18.0	20.8	9.3	9.3	-	-	13.9	14.7	11.3	19.6	11.9	3:00:00 PM
23.1	25.5	10.5	10.5	-	-	17.5	18.0	14.5	25.1	14.5	4:00:00 PM
21.6	25.6	10.1	10.1	-	-	17.2	17.2	14.7	24.0	14.8	5:00:00 PM
17.6	19.7	8.8	8.8	-	-	13.3	14.5	10.7	17.9	11.6	6:00:00 PM
125	100	75	0	100	50	250	200	50	250	75	6:00:00 AM
200	150	75	0	150	75	400	300	100	300	100	7:00:00 AM
175	125	75	0	150	75	350	300	100	350	100	8:00:00 AM
150	75	50	0	100	50	275	175	75	275	100	9:00:00 AM
125	175	50	0	0	25	300	250	100	300	100	3:00:00 PM
175	225	50	0	25	50	400	325	125	400	100	4:00:00 PM
175	200	50	0	0	25	50	425	325	50	150	5:00:00 PM
125	175	50	0	0	25	300	225	100	300	100	6:00:00 PM
255	171	139	359	362	459	679	170	197	679	197	6:00:00 AM
348	236	190	489	495	627	925	219	268	925	219	7:00:00 AM
346	234	186	482	493	622	918	235	271	918	235	8:00:00 AM
301	205	163	423	432	542	800	200	233	800	200	9:00:00 AM
196	456	107	450	466	683	992	140	270	683	992	3:00:00 PM
226	546	128	530	559	812	1178	160	320	812	1178	4:00:00 PM
214	515	120	493	524	757	1101	157	298	1101	157	5:00:00 PM
258	177	140	361	369	465	685	169	199	685	169	6:00:00 AM
350	240	190	490	500	630	930	230	270	630	930	7:00:00 AM
346	237	188	485	494	623	919	228	267	623	919	8:00:00 AM
324	222	176	454	463	583	861	213	250	861	213	9:00:00 AM
195	466	111	450	475	687	1001	144	272	1001	144	3:00:00 PM
230	550	130	530	560	810	1180	170	320	810	1180	4:00:00 PM
215	513	121	495	523	756	1101	159	299	1101	159	5:00:00 PM
98.9	96.4	98.9	99.4	98.2	98.9	99.0	100.4	98.7	98.9	99.0	6:00:00 AM
99.5	98.4	100.1	99.7	99.0	99.5	99.5	99.4	99.2	99.5	99.4	7:00:00 AM
99.9	98.6	99.1	99.5	99.7	99.7	99.7	103.5	101.6	99.9	103.5	8:00:00 AM
93.1	92.2	92.6	93.2	93.3	92.9	92.9	93.7	93.2	92.9	93.7	9:00:00 AM
100.5	97.9	96.7	100.0	98.2	99.4	99.4	96.9	99.3	99.4	99.4	3:00:00 PM
98.4	99.2	98.6	100.0	99.9	100.2	99.8	94.4	99.9	99.8	94.4	4:00:00 PM
99.3	100.4	98.8	99.2	99.9	100.2	99.8	103.1	99.9	99.8	103.1	5:00:00 PM
99.5	100.3	99.0	99.7	100.3	100.1	100.0	98.6	99.7	98.6	99.7	6:00:00 PM
0.8	1.1	0.6	0.9	1.0	1.1	1.3	0.5	0.6	1.3	0.5	GEH
0.2	0.2	0.4	0.1	0.2	0.0	0.2	0.1	0.1	0.2	0.1	PM

Farmington Option C											
			S								
IN	SB	NB	WB	EB	IN	SB	WB	IN	NB		
C	C	B	C	B	A	B	B	B	B		
C	C	C	C	B	B	C	D	D	D		
16.1	23.5	16.3	14.8	14.4	8.4	10.4	7.4	11.4	10.3	12.7	900-4500
22.4	28.6	21.2	19.2	22.8	10.7	12.7	9.7	15.7	13.7	15.5	4500-8100
21.9	28.8	22.3	19.2	21.2	10.7	12.6	9.7	15.1	13.6	15.4	8100-11700
17.9	25.2	17.5	16.1	16.9	8.7	10.7	7.7	12.1	10.9	12.5	11700-15300
22.9	28.7	23.8	21.1	21.3	10.2	13.4	9.0	21.3	18.0	26.4	900-4500
28.6	32.7	30.4	26.0	27.9	12.5	16.3	11.1	32.7	36.4	42.4	4500-8100
29.7	33.1	33.1	26.1	28.8	12.3	16.2	10.8	31.5	32.7	42.4	8100-11700
21.5	28.6	20.8	21.0	19.6	10.0	12.9	8.8	19.5	17.4	22.3	11700-15300
		100	100	100	225	150	125	150	75		
		100	100	150	475	225	150	225	100		
		125	125	150	350	225	150	200	100		
		75	100	125	250	200	100	150	75		
		100	275	275	225	200	175	275	325		
		125	400	350	275	275	225	475	525		
		125	475	350	275	250	225	425	550		
		100	225	250	200	200	150	225	275		
		148	148	290	452	292	582	312	116		
		195	195	393	613	399	787	429	158		
		196	197	400	610	397	791	425	157		
		171	171	346	532	345	684	371	137		
		164	437	492	295	345	891	368	398		
		201	519	579	345	408	1052	440	471		
		187	485	540	325	381	981	410	438		
		148	148	295	457	295	567	317	118		
		200	200	400	620	400	770	430	160		
		198	198	395	613	396	761	425	159		
		185	185	370	574	370	713	398	148		
		170	441	492	296	348	814	373	399		
		200	520	580	350	410	960	440	470		
		187	485	541	327	383	896	411	439		
		100.1	100.6	98.3	98.9	99.2	102.6	98.3	98.3		
		97.8	97.9	98.3	98.9	99.8	102.2	99.9	98.6		
		99.3	99.8	101.2	99.5	100.3	103.9	100.1	98.9		
		92.3	92.3	93.6	92.7	93.1	96.0	93.2	92.1		
		96.7	99.1	100.1	99.5	99.4	109.5	98.9	99.8		
		100.3	99.9	99.8	98.6	99.4	109.6	99.9	100.2		
		99.4	99.3	98.8	100.0	99.6	109.2	99.4	98.9		
		100.0	99.9	99.7	99.4	99.6	109.5	99.8	99.9		
		0.7	0.7	0.8	1.2	0.7	0.6	0.8	0.7		
		0.2	0.2	0.2	0.2	0.2	0.5	0.2	0.1		

Farmington option D2										Percent Served									
Intersection Name										GEH									
W Glovers Ln @ Frontage Rd					W Glovers Ln @ Farmington High School					Lagoon Dr @ 200 W									
S	EB	IN	SB	WB	EB	IN	SB	NB	WB	EB	IN	SB	NB	WB	EB	Approach	S	Control	Worst Case LOS
NB	WB	IN	SB	WB	EB	IN	SB	NB	WB	EB	IN	SB	NB	WB	EB	Approach	AM	PM	900-4500
B	B	A	A	-	-	A	A	A	B	A	A	A	A	B	A	Approach	AM	PM	4500-8100
C	B	A	A	-	-	A	A	A	B	A	A	A	A	B	A	Approach	AM	PM	8100-11700
11.2	8.4	9.0	8.6	8.6	-	-	4.6	4.9	7.2	10.2	1.9	6:00:00 AM	9.7	10.4	2.0	9:00:00 AM	11:00-15300	11:00-15300	900-4500
12.4	10.3	11.4	10.0	10.0	-	-	5.4	5.7	8.3	11.6	2.4	7:00:00 AM	10.2	11.6	3.0	3:00:00 PM	8:00:00 PM	8:00:00 PM	4500-8100
12.1	9.6	11.0	9.6	9.5	-	-	5.4	5.7	8.1	12.0	2.6	8:00:00 AM	9.8	10.5	3.2	4:00:00 PM	5:00:00 PM	5:00:00 PM	4500-8100
11.1	9.0	9.3	8.7	8.7	-	-	4.7	4.7	7.7	10.4	2.0	9:00:00 AM	9.5	10.2	2.5	9:00:00 AM	10:00:00 AM	10:00:00 AM	900-4500
17.1	16.1	14.6	8.7	8.7	-	-	5.5	5.2	6.9	13.0	3.0	3:00:00 PM	10.5	11.2	3.3	5:00:00 PM	6:00:00 PM	6:00:00 PM	8100-11700
23.5	19.6	16.8	9.3	9.3	-	-	6.0	5.8	7.0	14.5	3.2	4:00:00 PM	10.8	11.5	3.4	5:00:00 PM	6:00:00 PM	6:00:00 PM	11:00-15300
21.7	19.9	16.3	9.3	9.3	-	-	6.0	5.8	7.3	14.2	3.3	5:00:00 PM	11.2	11.9	3.5	6:00:00 PM	7:00:00 PM	7:00:00 PM	11:00-15300
15.5	14.8	13.4	8.4	8.4	-	-	5.3	5.1	6.5	12.7	2.9	6:00:00 PM	10.5	11.2	3.6	7:00:00 PM	8:00:00 PM	8:00:00 PM	11:00-15300
63	74	49	53	0	59		91	102	73	73	25	6:00:00 AM	10.8	11.5	3.7	7:00:00 AM	8:00:00 AM	8:00:00 AM	11:00-15300
82	103	68	69	0	104		116	131	93	93	26	7:00:00 AM	11.5	12.2	3.8	8:00:00 AM	9:00:00 AM	9:00:00 AM	11:00-15300
83	90	65	68	0	93		126	114	89	89	26	8:00:00 AM	11.8	12.5	3.9	9:00:00 AM	10:00:00 AM	10:00:00 AM	11:00-15300
61	81	50	53	0	61		89	110	81	81	25	9:00:00 AM	12.1	12.8	4.0	10:00:00 AM	11:00:00 AM	11:00:00 AM	11:00-15300
218	93	136	65	0	0		135	163	86	86	26	3:00:00 PM	12.4	13.1	4.1	4:00:00 PM	5:00:00 PM	5:00:00 PM	11:00-15300
323	116	178	66	0	0		174	180	108	108	26	4:00:00 PM	12.7	13.4	4.2	5:00:00 PM	6:00:00 PM	6:00:00 PM	11:00-15300
297	125	172	64	0	0		178	178	123	123	25	5:00:00 PM	13.0	13.7	4.3	6:00:00 PM	7:00:00 PM	7:00:00 PM	11:00-15300
185	88	124	54	0	0		150	137	84	84	24	6:00:00 PM	13.3	14.0	4.4	7:00:00 PM	8:00:00 PM	8:00:00 PM	11:00-15300
107	138	145	132	253	308		377	454	202	202	320	6:00:00 AM	13.6	14.3	4.5	7:00:00 AM	8:00:00 AM	8:00:00 AM	11:00-15300
149	190	197	178	350	439		508	615	280	280	430	7:00:00 AM	13.9	14.6	4.6	8:00:00 AM	9:00:00 AM	9:00:00 AM	11:00-15300
146	185	197	177	345	426		503	608	279	279	428	8:00:00 AM	14.2	14.9	4.7	9:00:00 AM	10:00:00 AM	10:00:00 AM	11:00-15300
137	175	184	166	324	403		471	570	260	260	402	9:00:00 AM	14.5	15.2	4.8	10:00:00 AM	11:00:00 AM	11:00:00 AM	11:00-15300
389	144	331	116	378	353		559	778	253	253	410	3:00:00 PM	14.8	15.5	4.9	4:00:00 PM	5:00:00 PM	5:00:00 PM	11:00-15300
459	168	399	140	441	425		658	913	300	300	484	4:00:00 PM	15.1	15.8	5.0	5:00:00 PM	6:00:00 PM	6:00:00 PM	11:00-15300
456	165	395	140	433	418		657	919	298	298	487	5:00:00 PM	15.4	16.1	5.1	6:00:00 PM	7:00:00 PM	7:00:00 PM	11:00-15300
427	156	370	131	406	393		615	857	281	281	457	6:00:00 PM	15.7	16.4	5.2	7:00:00 PM	8:00:00 PM	8:00:00 PM	11:00-15300
110	140	148	133	258	317		376	457	207	207	324	6:00:00 AM	16.0	16.7	5.3	7:00:00 AM	8:00:00 AM	8:00:00 AM	11:00-15300
150	190	200	180	350	430		510	620	280	280	440	7:00:00 AM	16.3	17.0	5.4	8:00:00 AM	9:00:00 AM	9:00:00 AM	11:00-15300
149	188	198	178	346	425		504	613	277	277	435	8:00:00 AM	16.6	17.3	5.5	9:00:00 AM	10:00:00 AM	10:00:00 AM	11:00-15300
139	176	185	167	324	398		472	574	259	259	408	9:00:00 AM	16.9	17.6	5.6	10:00:00 AM	11:00:00 AM	11:00:00 AM	11:00-15300
390	144	314	119	373	331		559	780	254	254	416	3:00:00 PM	17.2	17.9	5.7	4:00:00 PM	5:00:00 PM	5:00:00 PM	11:00-15300
460	170	370	140	440	390		660	920	300	300	490	4:00:00 PM	17.5	18.2	5.8	5:00:00 PM	6:00:00 PM	6:00:00 PM	11:00-15300
459	170	369	140	439	389		659	917	300	300	489	5:00:00 PM	17.8	18.5	5.9	6:00:00 PM	7:00:00 PM	7:00:00 PM	11:00-15300
429	159	345	131	411	364		616	859	280	280	457	6:00:00 PM	18.1	18.8	6.0	7:00:00 PM	8:00:00 PM	8:00:00 PM	11:00-15300
97.1	98.6	98.1	167	324	398		100.2	98.3	97.3	97.3	107.4	107.4	99.8	99.8	99.8	100.2	99.6	99.7	5:00:00 PM
99.4	100.4	98.7	99.0	100.0	102.0		99.6	99.2	100.1	99.9	100.1	100.1	97.8	97.8	97.8	100.1	99.2	99.3	6:00:00 PM
98.4	98.3	99.7	99.5	99.9	100.1		100.0	99.8	99.8	99.8	100.0	100.0	98.7	98.7	98.7	100.1	99.5	99.6	4:00:00 PM
99.7	98.8	108.0	100.1	100.3	108.9		100.2	98.8	107.4	107.4	107.4	107.4	99.7	99.7	99.7	100.1	99.2	99.3	3:00:00 PM
99.4	96.9	107.1	100.2	100.2	100.2		99.8	107.4	107.4	107.4	107.4	107.4	99.8	99.8	99.8	100.2	99.6	99.7	5:00:00 PM
99.5	98.1	107.1	100.0	98.9	107.9		99.8	107.9	107.9	107.9	107.9	107.9	99.8	99.8	99.8	100.2	99.2	99.3	6:00:00 PM
0.4	0.2	0.3	0.2	0.1	0.2		0.1	0.1	0.2	0.1	0.1	0.1	0.3	0.3	0.3	0.0	0.7	0.7	GEH
0.2	0.4	2.6	0.1	0.1	2.9		0.1	0.1	0.1	0.1	0.1	0.1	0.3	0.3	0.3	0.0	0.3	0.3	PM

Farmington option D2															
W Glovers Ln @ 650 W						Lagoon Dr @ W State									
IN		NB		WB		IN		SB		WB		IN		SB	
B	C	B	B	B	B	B	B	B	B	B	B	A	B	B	
C	C	C	C	B	B	B	B	C	B	B	B	A	B	B	
14.3	19.0	16.6	12.7	12.3	11.5	12.1	12.0	11.0	10.3	8.7	7.2	900-4500	900-4500		
19.2	21.1	19.4	18.4	18.7	13.7	12.6	13.2	13.1	10.5	8.5	8.5	4500-8100	4500-8100		
18.5	21.4	19.9	17.8	17.4	13.4	12.7	13.6	13.3	12.3	9.8	7.6	8100-11700	8100-11700		
15.2	19.5	16.7	13.9	13.6	11.7	11.9	12.2	11.2	10.3	8.9	7.1	11700-15300	11700-15300		
19.1	21.1	19.0	20.4	16.4	14.4	16.7	16.7	13.4	10.2	14.8	10.4	900-4500	900-4500		
23.0	22.7	22.2	25.8	20.8	17.6	19.0	17.8	19.4	11.5	18.7	12.8	4500-8100	4500-8100		
22.9	23.5	21.9	25.1	21.0	18.0	19.0	17.9	20.6	11.7	17.8	12.3	8100-11700	8100-11700		
18.0	19.9	18.2	18.4	15.8	14.0	16.4	16.7	12.8	9.9	13.7	10.4	11700-15300	11700-15300		
		84	73	78	201		89	85	154	182		60			
		102	105	103	315		102	108	192	268		92			
		96	95	95	275		101	103	202	248		85			
		76	84	80	198		83	83	165	183		77			
		88	192	221	183		175	102	336	235		117			
		101	248	301	250		202	112	567	319		147			
		93	227	302	242		193	112	588	334		140			
		72	178	210	178		164	92	338	230		127			
		183	139	159	503		246	240	309	483		168			
		250	190	219	685		337	322	417	659		229			
		249	186	216	683		337	323	419	649		226			
		231	175	204	639		314	302	389	609		213			
		212	438	426	357		695	281	676	633		231			
		247	519	498	419		820	335	796	749		269			
		250	515	494	415		819	328	800	749		269			
		231	484	463	391		766	311	747	700		251			
		184	140	163	509		251	273	310	486		169			
		250	190	219	690		340	370	420	660		230			
		247	188	217	682		337	366	415	653		228			
		231	176	203	639		315	343	389	611		213			
		212	441	416	356		695	280	678	636		229			
		250	520	490	420		820	330	800	750		270			
		250	519	489	419		818	329	798	748		269			
		234	485	457	392		765	308	747	700		252			
		99.6	99.0	98.1	98.9		98.1	87.8	99.8	99.2		99.5			
		100.2	99.9	100.0	99.3		99.3	87.1	99.3	99.9		99.7			
		100.7	98.5	99.8	100.1		100.2	88.2	101.0	99.5		99.1			
		99.7	99.5	100.3	100.0		99.7	88.2	100.1	99.7		100.0			
		100.2	99.4	102.4	100.2		99.9	100.1	99.7	100.2		100.8			
		99.9	99.3	101.1	99.2		100.0	99.7	100.2	100.2		100.0			
		99.0	99.8	101.2	99.8		100.1	100.8	100.1	100.0		99.4			
		0.0	0.2	0.1	0.2		0.2	0.6	0.0	0.2		0.1			
		0.2	0.2	0.7	0.1		0.0	0.2	0.1	0.1		0.0			

		Parrish Option A										Worst Case LOS																				
		Intersection Name					Bypass @ 800 W					Delay (Sec)					95th Percentile Queue (Feet)					Percent Served										
		C	C	C	IN	NB	WB	EB	IN	SB	NB	WB	EB	Approach	Control	IN	A	A	D	A	B	B	AM	PM	900-4500	4500-8100	8100-11700	11700-15300	900-4500	4500-8100	8100-11700	11700-15300
Parrish Ln @ SR-67 NB Ramps	Parrish Ln @ SR-67 SB Ramps	Marketplace Dr @ 700 W																														
-	-	10.4	-	0.0	0.0	-	-	3.9	3.2	2.3	7.9	8.7	6:00:00 AM																			
-	-	13.0	-	0.0	0.0	-	-	5.0	4.1	3.1	10.7	10.8	7:00:00 AM																			
-	-	13.3	-	0.0	0.0	-	-	4.9	3.9	3.0	10.0	11.0	8:00:00 AM																			
-	-	10.8	-	0.0	0.0	-	-	4.1	3.3	2.4	9.2	9.5	9:00:00 AM																			
-	-	11.9	-	0.0	0.0	-	-	9.8	8.2	7.6	9.0	13.7	3:00:00 PM																			
-	-	14.3	-	0.0	0.0	-	-	13.4	14.6	9.0	12.8	16.3	4:00:00 PM																			
-	-	14.4	-	0.0	0.0	-	-	32.6	36.3	10.0	13.8	50.5	5:00:00 PM																			
-	-	11.8	-	0.0	0.0	-	-	18.9	18.3	8.5	11.0	29.4	6:00:00 PM																			
0	0	75	0	0	0	0	0	0	0	100	50	25	50	6:00:00 AM																		
0	0	125	0	0	0	0	0	0	0	150	75	50	75	7:00:00 AM																		
0	0	75	0	0	0	0	0	0	0	100	50	25	50	9:00:00 AM																		
0	0	100	0	0	0	0	0	0	0	175	200	25	200	3:00:00 PM																		
0	0	125	0	0	0	0	0	0	0	2025	400	250	25	1400	5:00:00 PM																	
0	0	75	0	0	0	0	0	0	0	1250	400	200	25	650	6:00:00 PM																	
190	190	174	0	144	437	0	144	437	410	137	29	73	6:00:00 AM																			
260	260	244	0	195	603	0	195	603	560	187	40	98	7:00:00 AM																			
260	259	250	0	198	591	0	198	591	550	189	40	98	8:00:00 AM																			
242	242	230	0	187	556	0	187	556	517	179	36	91	9:00:00 AM																			
211	211	283	0	341	487	0	341	487	447	340	24	355	3:00:00 PM																			
248	248	313	0	404	574	0	404	574	526	403	28	427	4:00:00 PM																			
249	249	310	0	407	563	0	407	563	518	408	28	420	5:00:00 PM																			
232	232	309	0	384	540	0	384	540	493	384	27	402	6:00:00 PM																			
192	192	258	7	184	442	7	184	442	413	184	30	74	6:00:00 AM																			
260	260	350	10	250	600	10	247	593	554	247	40	100	7:00:00 AM																			
257	257	346	10	440	580	30	439	578	530	470	30	430	4:00:00 PM																			
241	241	324	9	232	555	9	232	555	519	231	37	93	9:00:00 AM																			
212	212	305	26	373	492	26	373	492	450	399	26	365	3:00:00 PM																			
250	250	360	30	440	580	30	440	580	529	469	30	429	5:00:00 PM																			
233	233	336	28	411	541	28	411	541	495	439	28	401	6:00:00 PM																			
99.3	99.4	67.2	0.0	78.1	98.9	99.3	74.3	96.3	99.4	85.3	93.7	97.3	6:00:00 AM																			
100.0	100.1	69.7	0.0	79.9	99.6	99.9	74.6	101.0	99.7	77.3	97.7	98.2	7:00:00 AM																			
101.1	101.2	72.1	0.0	80.6	100.1	99.9	79.9	100.1	99.7	77.3	97.7	98.4	8:00:00 AM																			
100.4	100.4	71.1	0.0	91.8	98.9	99.3	85.7	93.3	99.3	87.0	93.3	99.0	9:00:00 AM																			
99.7	99.5	92.8	0.0	91.5	99.1	99.4	85.3	93.7	99.4	85.7	93.3	99.3	3:00:00 PM																			
99.4	99.3	87.0	0.0	92.7	97.3	99.0	87.0	93.3	99.0	87.0	93.3	98.0	4:00:00 PM																			
99.3	99.3	92.0	0.0	93.4	99.8	99.6																										

Parrish Option A												Parrish Option B															
Parrish Ln Diamond						Parrish Ln @ I-15						Parrish Ln @ 700 W						Parrish Ln Marketplace Dr									
S		IN		SB		NB		WB		IN		SB		NB		WB		IN		EB		IN		NB		WB	
A		B		C		D		E		F		G		H		I		J		K		L		M		N	
O		P		Q		R		S		T		U		V		W		X		Y		Z		AA		BB	
5.2	9.1	28.6	50.4	24.0	22.2	26.0	11.8	11.8	7.3	-	-	10.5	10.5	-	-	10.5	-	-	-	10.5	-	-	-	10.5	-	900-4500	900-4500
6.3	13.3	39.0	62.8	29.1	35.5	31.9	17.4	17.4	7.7	-	-	16.3	16.3	-	-	16.3	-	-	-	16.3	-	-	-	16.3	-	4500-8100	4500-8100
7.7	14.1	42.4	61.6	31.5	42.6	31.9	16.5	16.5	7.8	-	-	15.1	15.1	-	-	15.1	-	-	-	15.1	-	-	-	15.1	-	8100-11700	8100-11700
5.3	10.4	30.9	52.8	24.8	25.5	26.8	11.0	11.0	6.9	-	-	9.8	9.8	-	-	9.8	-	-	-	9.8	-	-	-	9.8	-	11700-15300	11700-15300
7.0	15.4	27.3	47.6	26.5	23.9	30.7	15.7	15.7	9.5	-	-	11.6	11.6	-	-	11.6	-	-	-	11.6	-	-	-	11.6	-	900-4500	900-4500
9.7	18.7	30.6	51.6	31.1	27.2	33.1	58.2	58.2	14.0	-	-	15.6	15.6	-	-	15.6	-	-	-	15.6	-	-	-	15.6	-	4500-8100	4500-8100
10.7	18.0	33.5	52.7	37.6	26.8	32.6	90.2	90.2	12.2	-	-	14.6	14.6	-	-	14.6	-	-	-	14.6	-	-	-	14.6	-	8100-11700	8100-11700
7.0	12.6	27.0	48.1	25.6	22.5	31.0	37.9	37.9	8.9	-	-	10.2	10.2	-	-	10.2	-	-	-	10.2	-	-	-	10.2	-	11700-15300	11700-15300
125	175			225	200	275	50		150	25	0	50		50		125	0										
150	225			325	300	325	75		250	25	100	75		75		175	0										
175	225			300	375	325	75		200	25	300	75		75		175	0										
125	175			225	200	300	75		125	25	0	75		75		100	0										
100	300			200	300	225	100		150	25	100	75		75		125	0										
125	400			250	425	275	125		400	25	325	75		75		175	0										
150	375			250	650	250	100		400	25	325	75		75		175	0										
125	300			200	275	175	100		400	25	200	75		75		125	0										
906	970	653	530	1335	407		298	22	1047	910		910		910		267	174			267	174			267	174	900-4500	900-4500
1233	1332	896	724	1810	565		411	28	1421	1261		1261		1261		357	244			357	244			357	244	4500-8100	4500-8100
1224	1328	894	726	1828	554		404	28	1412	1259		1259		1259		358	250			358	250			358	250	8100-11700	8100-11700
1144	1243	835	678	1697	517		380	26	1316	1174		1174		1174		333	230			333	230			333	230	11700-15300	11700-15300
1132	1693	659	1133	1571	786		265	24	1315	1692		1692		1692		304	283			304	283			304	283	900-4500	900-4500
1331	1984	774	1343	1858	868		315	28	1542	1987		1987		1987		358	314			358	314			358	314	4500-8100	4500-8100
1346	1958	777	1339	1876	845		313	28	1556	1952		1952		1952		357	310			357	310			357	310	8100-11700	8100-11700
1255	1865	728	1254	1756	849		303	27	1450	1863		1863		1863		334	309			334	309			334	309	11700-15300	11700-15300
914	980	663	538	1349	420		302	22	1054	899		899		899		266	258			266	258			266	258	900-4500	900-4500
1241	1330	900	730	1830	571		410	30	1430	1220		1220		1220		360	350			360	350			360	350	4500-8100	4500-8100
1226	1315	890	722	1809	564		405	30	1414	1206		1206		1206		356	346			356	346			356	346	8100-11700	8100-11700
1148	1231	833	676	1694	528		379	28	1324	1129		1129		1129		333	324			333	324			333	324	11700-15300	11700-15300
1145	1670	662	1136	1569	814		271	26	1323	1687		1687		1687		305	305			305	305			305	305	900-4500	900-4500
1350	1970	780	1340	1850	960		320	30	1560	1990		1990		1990		360	360			360	360			360	360	4500-8100	4500-8100
1347	1965	778	1337	1845	958		319	30	1556	1985		1985		1985		359	359			359	359			359	359	8100-11700	8100-11700
1260	1838	728	1250	1726	896		299	28	1456	1857		1857		1857		336	336			336	336			336	336	11700-15300	11700-15300
99.1	99.0	98.4	98.5	99.0	96.8		98.7	98.0	99.3	99.4		99.4		99.4		100.4	100.4			100.4	100.4			100.4	100.4	99.6	99.6
99.4	100.1	99.6	99.1	98.9	99.0		100.1	99.3	98.3	98.8		98.8		98.8		100.0	98.3			100.0	98.3			100.0	98.3	99.6	99.6
99.7	101.5	100.0	100.3	101.7	94.8		271	26	1323	1687		1687		1687		101.4	95.1			101.4	95.1			101.4	95.1	99.5	99.5
0.3	0.3	0.1	0.2	0.1	0.9		101.4	94.8	101.7	88.2		88.2		88.2		101.4	95.1			101.4	95.1			101.4	95.1	99.5	99.5
0.5	0.7	0.2	0.1	0.9	4.7		101.4	94.8	101.7	88.2		88.2		88.2		101.4	95.1			101.4	95.1			101.4	95.1	99.5	99.5
0.3	0.3	0.1	0.2	0.1	0.9		101.4	94.8	101.7	88.2		88.2		88.2		101.4	95.1			101.4	95.1			101.4	95.1	99.5	99.5
0.5	0.7	0.2	0.1	0.9	4.7		101.4	94.8	101.7	88.2		88.2		88.2		101.4	95.1			101.4	95.1			101.4	95.1	99.5	99.5

Parrish Option A										Parrish Ln @ 400 W									
IN	SB	NB	WB	EB	IN	SB	NB	WB	EB	IN	SB	NB							
C	C	C	B	B	C	C	D	D	B	C	C	D							
D	D	F	B	C	C	D	D	C	B	D	C	C							
15.2	20.8	18.1	11.8	13.8	13.9	21.6	21.6	36.7	10.5	7.1	12.4	33.9	38.2	900-4500					
21.3	29.8	26.5	16.9	17.4	18.1	23.2	23.2	36.7	17.6	11.4	14.2	32.6	35.6	4500-8100					
20.7	27.7	26.7	16.7	17.2	17.8	22.4	22.4	36.8	17.2	11.2	15.6	33.1	39.1	8100-11700					
16.2	22.0	19.2	13.1	14.3	14.8	21.3	21.3	38.0	11.6	8.4	12.9	32.4	37.6	11700-15300					
30.2	40.2	45.0	14.8	19.4	24.3	27.2	27.2	34.1	31.0	16.6	16.6	35.7	32.0	900-4500					
40.3	51.9	84.5	17.6	21.0	29.1	29.5	29.5	37.5	36.2	22.3	19.1	36.0	32.5	4500-8100					
42.5	52.5	100.2	16.9	21.7	28.8	30.5	30.5	38.2	36.3	21.0	18.8	35.5	31.7	8100-11700					
35.8	36.8	72.5	13.9	19.0	23.0	26.7	26.7	34.1	28.6	15.4	15.6	36.2	34.1	11700-15300					
175	125	175	125			100	100	175	175	150	150	100	225						
225	225	250	200			200	200	250	250	250	225	100	250						
150	125	175	125			100	100	175	175	150	150	100	225						
225	200	225	200			150	150	225	225	250	250	100	300						
150	125	175	125			100	100	175	175	150	150	100	225						
400	300	200	125			225	225	325	325	400	400	125	325						
400	300	250	150			275	275	475	475	475	475	150	400						
400	300	250	150			350	350	475	475	475	475	150	400						
375	300	175	100			200	200	275	275	350	350	125	325						
300	310	575	454			293	293	255	255	638	862	145	251	900-4500					
410	429	800	615			396	396	347	347	861	1211	199	349	4500-8100					
409	429	805	619			398	398	347	863	1196	1196	196	347	8100-11700					
380	399	749	575			370	370	324	804	1124	1124	184	324	11700-15300					
712	556	593	515			412	412	550	885	1632	1632	216	568	900-4500					
836	507	702	607			489	489	647	1047	1933	1933	257	667	4500-8100					
858	462	718	605			486	486	649	1051	1896	1896	246	667	8100-11700					
822	528	671	566			457	457	606	980	1808	1808	239	623	11700-15300					
302	317	597	487			294	294	258	642	752	752	148	258	900-4500					
410	430	810	660			400	400	350	870	1020	1020	200	350	4500-8100					
380	398	750	611			370	370	324	805	944	944	185	324	11700-15300					
746	602	602	517			415	415	551	890	1458	1458	220	568	900-4500					
880	710	710	610			490	490	650	1050	1720	1720	260	670	4500-8100					
878	708	709	609			489	489	648	1048	1716	1716	260	668	8100-11700					
821	663	663	569			457	457	607	980	1605	1605	243	625	11700-15300					
99.5	97.9	96.4	93.3			99.6	99.6	98.7	99.4	114.7	114.7	98.0	97.5						
100.0	99.7	98.7	93.2			99.2	99.2	99.0	99.0	118.7	118.7	99.7	99.7						
101.0	100.9	100.6	94.8			100.7	100.7	100.4	100.4	118.6	118.6	99.0	100.1						
100.2	100.2	99.9	94.1			99.9	99.9	99.8	99.8	119.0	119.0	99.3	99.9						
95.5	92.3	98.5	99.6			99.3	99.3	99.8	99.4	111.9	111.9	98.1	100.0						
95.0	71.5	98.9	99.6			99.5	99.5	99.7	99.7	112.4	112.4	98.9	99.6						
97.7	65.2	101.4	99.5			100.3	100.3	100.1	100.1	110.5	110.5	94.6	99.8						
100.0	79.6	101.3	99.4			99.8	99.8	100.0	100.0	112.7	112.7	98.4	99.7						
0.1	0.1	0.5	3.0			0.1	0.1	0.2	0.2	10.5	10.5	0.3	0.2						
1.7	13.0	0.0	0.2			0.2	0.1	0.1	0.1	9.3	9.3	0.8	0.1						

Percent Served

GEH

Parrish Option B										Intersection Name	Bypass @ 800 W	Control	Approach	AM	PM	Worst Case LOS	Delay (Sec)	95th Percentile Queue (Feet)	Volume Served	Volume Demand	Percent Served	GEH
C	IN	NB	WB	EB	IN	SB	NB	WB	EB													
Parrish Ln @ SR-67 SB Ramps	Marketplace Dr @ 700 W	C	IN	NB	WB	EB	IN	SB	NB	WB	EB	IN	NB	WB	EB	IN	SB	NB	WB	EB	900-4500	
-	-	A	-	-	A	-	A	-	A	-	A	-	A	-	B	-	B	-	B	-	4500-8100	
11.1	-	0.0	-	-	4.0	3.1	3.0	9.2	9.3	6:00:00 AM	9:30	11.1	11.8	11.8	7:00:00 AM	11.2	10.6	10.6	11.2	8:00:00 AM	8100-11700	
15.6	-	0.0	-	-	5.1	4.2	3.4	11.8	11.8	7:00:00 AM	12.1	11.8	11.8	11.8	7:00:00 AM	12.2	10.4	9.4	9.7	9:00:00 AM	11700-15300	
16.5	-	0.0	-	-	4.9	4.0	3.5	10.6	11.2	8:00:00 AM	12.4	11.2	11.2	11.2	8:00:00 AM	12.5	10.4	8.6	10.2	15.5	900-4500	
11.5	-	0.0	-	-	4.0	3.2	2.8	9.4	9.7	9:00:00 AM	12.7	11.8	13.8	13.8	9:00:00 AM	12.8	11.0	11.0	13.3	17.4	5:00:00 PM	
11.9	-	0.0	-	-	10.4	8.1	8.6	10.2	15.5	3:00:00 PM	12.4	9.6	11.0	11.0	3:00:00 PM	12.5	10.4	8.0	8.9	11.1	15.2	6:00:00 PM
14.3	-	0.0	-	-	12.7	9.9	11.8	13.8	17.1	4:00:00 PM	14.3	12.7	13.8	13.8	4:00:00 PM	14.4	11.0	11.0	13.3	17.4	5:00:00 PM	
14.5	-	0.0	-	-	12.4	9.6	11.0	13.3	17.4	5:00:00 PM	14.5	12.4	13.3	13.3	5:00:00 PM	14.6	11.3	11.3	13.6	17.5	6:00:00 PM	
11.5	-	0.0	-	-	10.4	8.0	8.9	11.1	15.2	6:00:00 PM	11.5	10.4	12.0	12.0	6:00:00 PM	11.6	9.3	9.3	11.1	15.2	11700-15300	
75	0	0	0	0	0	0	0	125	100	25	50	6:00:00 AM	125	100	100	100	25	25	100	100	100	100
125	0	0	0	0	0	0	0	150	125	50	75	7:00:00 AM	125	100	100	100	50	50	125	100	100	100
150	0	0	0	0	0	0	0	150	125	50	75	8:00:00 AM	125	100	100	100	50	50	125	100	100	100
75	0	0	0	0	0	0	0	100	75	25	75	9:00:00 AM	75	50	50	50	25	25	75	50	50	50
75	0	0	0	0	0	0	0	175	275	25	200	3:00:00 PM	275	25	25	25	200	200	275	25	25	25
75	0	0	0	0	0	0	0	225	375	25	250	4:00:00 PM	375	25	25	25	250	250	375	25	25	25
125	0	0	0	0	0	0	0	225	350	25	250	5:00:00 PM	350	25	25	25	250	250	350	25	25	25
100	0	0	0	0	0	0	0	150	325	25	200	6:00:00 PM	325	25	25	25	200	200	325	25	25	25
75	0	0	0	0	0	0	0	150	410	29	70	6:00:00 AM	410	29	29	29	70	70	410	29	29	29
190	245	0	224	437	410	214	214	410	214	29	70	6:00:00 AM	214	29	29	29	70	70	214	29	29	29
260	345	0	305	603	559	290	40	99	99	70:00:00 AM	559	290	40	101	8:00:00 AM	290	40	101	101	101	4500-8100	
259	345	0	301	594	551	292	40	101	101	8:00:00 AM	594	292	40	101	8:00:00 AM	292	40	101	101	101	8100-11700	
242	324	0	287	557	517	276	36	93	93	9:00:00 AM	557	517	276	36	9:00:00 AM	517	36	93	93	93	11700-15300	
210	289	0	513	488	447	509	24	356	356	3:00:00 PM	488	509	24	356	3:00:00 PM	509	24	356	356	356	900-4500	
249	321	0	582	582	529	583	28	440	440	4:00:00 PM	582	529	28	440	4:00:00 PM	583	28	440	440	440	4500-8100	
249	333	0	589	573	524	592	28	429	429	5:00:00 PM	573	524	28	429	5:00:00 PM	592	28	429	429	429	8100-11700	
232	324	0	562	541	492	564	27	405	405	6:00:00 PM	541	492	27	405	6:00:00 PM	564	27	405	405	405	11700-15300	
192	258	7	184	442	413	184	30	74	74	6:00:00 AM	442	413	30	74	6:00:00 AM	184	30	74	74	74	900-4500	
260	350	10	250	600	560	250	40	100	100	7:00:00 AM	600	560	40	100	7:00:00 AM	250	40	100	100	100	4500-8100	
257	346	10	247	593	554	247	40	99	99	8:00:00 AM	593	554	247	40	9:00:00 AM	247	40	99	99	99	8100-11700	
241	324	9	232	555	519	231	37	93	93	9:00:00 AM	555	519	231	37	9:00:00 AM	519	37	93	93	93	11700-15300	
212	305	26	373	492	450	399	26	365	365	3:00:00 PM	492	450	399	26	3:00:00 PM	399	26	365	365	365	900-4500	
250	360	30	440	580	530	470	30	430	430	4:00:00 PM	580	530	470	30	4:00:00 PM	530	30	430	430	430	4500-8100	
250	359	30	439	578	529	469	30	429	429	5:00:00 PM	578	529	469	30	5:00:00 PM	529	30	429	429	429	8100-11700	
233	336	28	411	541	495	439	28	401	401	6:00:00 PM	541	495	439	28	6:00:00 PM	495	28	401	401	401	11700-15300	
99.3	95.0	0.0	121.5	98.7	99.3	116.4	96.3	94.3	94.3	6:00:00 AM	98.7	99.3	116.4	96.3	6:00:00 AM	116.4	96.3	94.3	94.3	94.3	3:00:00 PM	
99.5	89.1	0.0	132.3	100.4	99.1	124.0	94.0	102.3	102.3	4:00:00 PM	100.4	99.1	124.0	94.0	4:00:00 PM	124.0	94.0	102.3	102.3	102.3	GEH	
100.0	92.6	0.0	134.3	99.1	99.8	116.0	100.8	99.1	99.1	5:00:00 PM	99.1	99.8	116.0	100.8	5:00:00 PM	116.0	100.8	99.1	99.1	99.1	100.0	
99.3	96.5	0.0	136.9	99.9	99.6	128.6	95.4	101.0	101.0	6:00:00 PM	99.9	99.6	128.6	95.4	6:00:00 PM	128.6	95.4	101.0	101.0	101.0	100.0	
0.1	0.5	8.6	6.4	0.0	0.2	5.1	0.1	0.1	0.1	AM	0.0	0.2	5.1	0.1	AM	5.1	0.1	0.1	0.1	0.1	PM	
0.1	2.6	15.1	13.2	0.2	0.2	10.5	0.7	0.1	0.1	PM	0.0	0.2	10.5	0.7	PM	10.5	0.7	0.1	0.1	0.1	GEH	

Parrish Option B										Worst Case LOS										Percent Served									
										Parrish Ln @ SR-67 NB Ramps																			
										Parrish Ln @ 700 W																			
											C																		
IN	SB	NB	WB	EB	IN	SB	NB	WB	EB	IN	NB	V/B	EB	IN															
C	C	C	C	C	C	A	C	A	C	A	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C			
C	D	C	C	C	C	A	C	A	C	A	C	C	C	C	C	C	C	C	C	C	C	C	C	C	B	B			
23.5	28.5	26.6	22.3	19.5	12.1	12.1	6.5	-	-	11.8	11.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11.1	900-4500		
28.6	32.6	31.2	28.9	23.2	18.5	18.5	6.5	-	-	24.3	24.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15.6	4500-8100		
28.3	32.3	30.7	28.8	22.6	16.4	16.4	6.6	-	-	20.6	20.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16.5	8100-11700		
24.7	29.9	28.8	23.5	19.7	11.7	11.7	6.4	-	-	11.5	11.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11.5	11700-15300		
27.6	37.7	39.2	21.6	27.4	12.1	12.1	6.8	-	-	11.7	11.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11.9	900-4500		
30.6	40.2	43.6	24.7	29.6	15.7	15.7	6.9	-	-	15.5	15.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14.3	4500-8100		
30.5	40.0	44.6	24.3	28.7	16.9	16.9	7.1	-	-	15.2	15.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14.5	8100-11700		
27.7	38.3	38.6	22.0	27.4	11.5	11.5	6.7	-	-	10.1	10.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11.5	11700-15300		
	225	175	350	100	150	25	25	0	0	150	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	300	250	375	125	250	25	150	0	0	200	25	125	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	250	500	325	225	150	25	100	0	0	125	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	300	550	375	250	175	25	125	0	0	175	25	175	50	50	50	50	50	50	50	50	50	50	50	50	50	50			
	250	200	350	100	125	25	25	0	0	125	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	275	475	300	250	125	25	125	0	0	125	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	654	610	1558	552	300	22	1038	827	827	293	293	246	190	190	190	190	190	190	190	190	190	190	190	190	190	190	900-4500		
	892	833	2153	772	416	28	1423	1136	1136	397	397	345	260	260	260	260	260	260	260	260	260	260	260	260	260	260	4500-8100		
	894	831	2146	754	409	28	1419	1141	1141	398	398	345	260	260	260	260	260	260	260	260	260	260	260	260	260	260	8100-11700		
	835	778	2001	707	384	26	1319	1064	1064	370	370	324	242	242	242	242	242	242	242	242	242	242	242	242	242	242	11700-15300		
	658	1510	1730	1169	268	24	1300	1486	1486	304	304	290	210	210	210	210	210	210	210	210	210	210	210	210	210	210	900-4500		
	774	1796	2070	1313	323	28	1551	1752	1752	359	359	321	249	249	249	249	249	249	249	249	249	249	249	249	249	249	4500-8100		
	781	1792	2078	1313	322	28	1567	1741	1741	357	357	332	249	249	249	249	249	249	249	249	249	249	249	249	249	249	8100-11700		
	728	1682	1940	1289	302	27	1454	1648	1648	334	334	324	232	232	232	232	232	232	232	232	232	232	232	232	232	232	11700-15300		
	663	619	1584	560	302	22	1054	899	899	295	295	258	192	192	192	192	192	192	192	192	192	192	192	192	192	192	900-4500		
	900	840	2150	761	410	30	1430	1220	1220	400	400	350	260	260	260	260	260	260	260	260	260	260	260	260	260	260	4500-8100		
	833	778	1990	704	379	28	1324	1129	1129	370	370	324	241	241	241	241	241	241	241	241	241	241	241	241	241	241	8100-11700		
	662	1526	1730	1196	271	26	1323	1687	1687	305	305	305	212	212	212	212	212	212	212	212	212	212	212	212	212	212	900-4500		
	780	1800	2040	1410	320	30	1560	1990	1990	360	360	360	250	250	250	250	250	250	250	250	250	250	250	250	250	250	4500-8100		
	778	1795	2035	1406	319	30	1556	1985	1985	359	359	359	250	250	250	250	250	250	250	250	250	250	250	250	250	250	8100-11700		
	728	1680	1904	1316	299	28	1456	1857	1857	336	336	336	233	233	233</														

Parrish Option B												Parrish Ln @ Marketplace Dr	Worst Case LOS	Percent Served	GEH	
IN	NB	WB	EB	IN	SB	NB	WB	EB	IN	SB	NB					
C	C	B	C	B	C	D	B	A	B	D	A	Delay (Sec)	4500-8100	900-4500	8100-11700	
D	M	C	C	C	D	C	C	C	D	D	C					
16.6	20.7	18.5	16.3	15.3	22.4	40.4	11.2	6.6	14.3	32.7	39.6	6.7	11.3	900-4500	900-4500	
24.2	30.2	27.4	19.6	24.1	18.5	24.5	40.0	17.6	9.2	16.4	34.6	37.3	8.6	15.2	4500-8100	8100-11700
18.3	22.3	20.6	14.8	18.6	15.9	23.1	40.7	12.2	7.0	14.3	35.1	38.3	6.7	11.4	11700-15300	11700-15300
28.0	34.1	35.4	20.0	20.8	25.3	27.5	34.1	26.2	20.3	23.1	38.4	34.6	18.7	19.7	900-4500	900-4500
37.9	42.3	75.4	22.4	21.7	29.8	30.0	37.8	33.7	23.9	27.4	39.5	47.0	21.0	23.4	4500-8100	4500-8100
39.7	46.9	75.5	22.3	22.0	29.4	30.6	38.1	32.3	23.3	27.1	39.5	45.4	20.3	23.6	8100-11700	8100-11700
35.3	36.7	59.3	19.0	20.8	23.9	26.8	34.2	24.0	18.8	23.3	39.3	35.2	18.2	20.5	11700-15300	11700-15300
150	150	175	150	150	100	200	175	250	275	125	125	275	225	175		
225	225	250	225	225	175	250	250	275	275	125	125	275	225	250		
200	225	250	250	250	150	250	275	275	275	150	150	275	225	225		
175	175	175	150	150	100	200	175	100	100	100	100	225	150	175		
375	300	275	125	225	325	300	325	300	325	125	125	350	250	325		
400	400	300	300	150	275	475	375	400	400	150	150	575	275	325		
400	300	275	125	325	475	375	425	425	425	150	150	550	275	325		
375	300	200	100	200	200	275	275	275	325	125	125	350	250	300		
299	311	581	480	295	295	257	632	703	703	145	145	256	895	1010		
410	410	426	807	654	396	343	866	997	997	197	197	347	1238	1399		
407	430	808	659	397	348	867	982	982	982	194	194	346	1229	1385		
380	399	754	612	370	323	806	920	920	920	184	184	323	1147	1299		
720	577	597	512	412	550	882	1304	1304	1304	220	220	571	1114	1754		
850	551	709	608	489	647	1049	1554	1554	1554	254	254	660	1347	2074		
853	571	729	607	486	649	1051	1507	1507	1507	254	254	667	1351	2038		
821	600	674	567	457	606	981	1447	1447	1447	238	238	623	1260	1955		
302	317	597	487	294	258	642	752	752	752	148	148	258	914	980		
410	430	810	660	400	350	870	1020	1020	1020	200	200	350	1241	1330		
406	425	801	653	395	346	860	1008	1008	1008	198	198	347	1226	1315		
380	398	750	611	370	324	805	944	944	944	185	185	324	1148	1231		
746	602	602	517	415	551	890	1458	1458	1458	220	220	568	1145	1670		
880	710	710	610	490	650	1050	1720	1720	1720	260	260	670	1350	1970		
878	708	709	609	489	648	1048	1716	1716	1716	260	260	668	1347	1965		
821	663	663	569	457	607	980	1605	1605	1605	243	243	625	1260	1838		
99.2	98.2	97.4	98.6	100.4	99.7	98.5	93.5	93.5	93.5	98.2	98.2	99.2	98.0	103.1		
100.2	99.1	99.6	99.0	99.0	97.8	99.6	97.7	97.7	97.7	98.7	98.7	99.0	99.8	105.2		
100.4	101.2	100.9	101.0	100.4	100.5	100.8	97.4	97.4	97.4	98.3	98.3	99.9	100.3	105.3		
100.1	100.1	100.5	100.1	99.8	99.7	100.1	97.5	97.5	97.5	99.2	99.2	99.7	99.9	105.5		
96.5	95.7	99.1	99.0	99.2	99.8	99.0	99.8	99.8	99.8	99.4	99.4	99.8	100.7	97.3	105.0	
96.6	77.6	99.9	99.7	99.5	100.1	100.3	87.8	87.8	87.8	97.9	97.9	98.5	99.8	105.2		
99.9	90.5	101.6	99.6	99.8	99.9	100.1	90.1	90.1	90.1	98.1	98.1	99.6	100.1	103.7		
0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.4	0.4	0.2	0.3	3.4		
1.4	7.7	0.5	0.2	0.2	0.1	0.1	8.8	8.8	8.8	0.5	0.5	0.4	4.3			

Intersection Name		Bountiful Option A						Worst Case LOS								
400 N @ 800 W	C	IN	SB	NB	WB	EB	Control	S	AM	PM	900-4500	4500-8100	8100-11700	11700-15300		
400 N @ 660 W Access	A	A	IN	SB	WB	EB	IN	SB	NB	WB	EB	900-4500	4500-8100	8100-11700	11700-15300	
400 N @ 660 W	A	A	IN	SB	WB	EB	A	C	B	A	B	900-4500	4500-8100	8100-11700	11700-15300	
400 N @ 660 W	-	-	A	A	A	A	-	-	B	D	B	900-4500	4500-8100	8100-11700	11700-15300	
400 N @ 660 W	-	-	6.0	7.8	5.7	7.8	-	-	10.7	20.3	15.2	6.7	7.6	6:00:00 AM	900-4500	
400 N @ 660 W	-	-	6.1	7.8	6.5	7.8	-	-	12.0	22.4	14.6	8.3	8.4	7:00:00 AM	4500-8100	
400 N @ 660 W	-	-	6.2	7.8	6.3	7.8	-	-	11.4	21.6	14.9	7.7	7.8	8:00:00 AM	8100-11700	
400 N @ 660 W	-	-	6.1	7.6	5.8	7.6	-	-	10.7	20.3	15.1	6.8	7.4	9:00:00 AM	11700-15300	
400 N @ 660 W	-	-	6.1	7.9	6.7	7.9	-	-	12.1	27.0	16.0	6.4	10.1	3:00:00 PM	900-4500	
400 N @ 660 W	-	-	6.1	8.0	8.0	8.0	-	-	14.4	34.1	17.8	8.0	11.1	4:00:00 PM	4500-8100	
400 N @ 660 W	-	-	6.2	8.0	7.7	8.0	-	-	15.1	39.9	17.9	7.9	10.5	5:00:00 PM	8100-11700	
400 N @ 660 W	-	-	6.0	8.1	6.7	8.1	-	-	11.8	24.8	15.6	7.2	9.2	6:00:00 PM	11700-15300	
95th Percentile Queue (Feet)																
Delay (Sec)																
0	25	50	50	25	0	0	0	100	50	150	75	6:00:00 AM	900-4500	4500-8100	8100-11700	11700-15300
0	50	50	50	25	0	0	0	100	50	200	100	7:00:00 AM	900-4500	4500-8100	8100-11700	11700-15300
0	50	50	50	25	0	0	0	100	50	175	100	8:00:00 AM	900-4500	4500-8100	8100-11700	11700-15300
0	50	50	50	25	0	0	0	100	50	175	75	9:00:00 AM	900-4500	4500-8100	8100-11700	11700-15300
0	25	50	50	25	0	0	0	100	125	200	150	3:00:00 PM	900-4500	4500-8100	8100-11700	11700-15300
0	50	50	50	25	0	0	0	100	125	200	200	4:00:00 PM	900-4500	4500-8100	8100-11700	11700-15300
0	50	50	50	25	0	0	0	100	125	200	150	5:00:00 PM	900-4500	4500-8100	8100-11700	11700-15300
40	49	95	17	342	336	336	171	171	72	303	241	6:00:00 AM	900-4500	4500-8100	8100-11700	11700-15300
52	60	121	20	428	416	416	212	212	92	376	296	7:00:00 AM	900-4500	4500-8100	8100-11700	11700-15300
50	57	116	20	407	395	395	200	200	86	357	276	8:00:00 AM	900-4500	4500-8100	8100-11700	11700-15300
47	54	110	19	383	373	373	190	190	81	337	220	9:00:00 AM	900-4500	4500-8100	8100-11700	11700-15300
41	51	102	20	527	593	593	186	186	219	490	399	3:00:00 PM	900-4500	4500-8100	8100-11700	11700-15300
51	60	120	20	623	705	705	219	219	262	572	468	4:00:00 PM	900-4500	4500-8100	8100-11700	11700-15300
49	60	120	20	612	700	700	220	220	257	562	467	5:00:00 PM	900-4500	4500-8100	8100-11700	11700-15300
47	55	111	18	575	656	656	206	206	242	526	378	6:00:00 PM	900-4500	4500-8100	8100-11700	11700-15300
37	45	88	15	310	302	302	155	155	67	273	399	6:00:00 AM	900-4500	4500-8100	8100-11700	11700-15300
50	60	120	20	420	410	410	210	210	90	370	290	7:00:00 AM	900-4500	4500-8100	8100-11700	11700-15300
50	60	119	20	416	406	406	208	208	90	366	287	8:00:00 AM	900-4500	4500-8100	8100-11700	11700-15300
46	56	111	18	389	380	380	195	195	83	342	229	9:00:00 AM	900-4500	4500-8100	8100-11700	11700-15300
43	51	102	17	517	594	594	187	187	221	475	399	3:00:00 PM	900-4500	4500-8100	8100-11700	11700-15300
50	60	120	20	610	700	700	220	220	260	560	470	4:00:00 PM	900-4500	4500-8100	8100-11700	11700-15300
50	60	120	20	608	698	698	219	219	260	559	469	5:00:00 PM	900-4500	4500-8100	8100-11700	11700-15300
47	56	112	19	569	653	653	205	205	243	523	377	6:00:00 PM	900-4500	4500-8100	8100-11700	11700-15300
108.6	109.7	108.1	15	310	302	302	155	155	67	273	399	6:00:00 AM	900-4500	4500-8100	8100-11700	11700-15300
104.0	100.1	100.4	100.9	101.9	101.5	101.5	101.2	101.2	102.2	101.6	102.2	7:00:00 AM	900-4500	4500-8100	8100-11700	11700-15300
101.8	96.0	97.3	101.6	98.0	97.3	97.3	96.3	96.3	97.7	97.5	98.3	9:00:00 AM	900-4500	4500-8100	8100-11700	11700-15300
100.4	98.1	98.9	103.0	98.4	98.2	98.2	97.7	97.7	98.3	99.5	100.2	10:00 AM	900-4500	4500-8100	8100-11700	11700-15300
95.3	100.3	100.0	119.4	101.9	99.9	99.9	99.4	99.4	103.2	100.2	100.2	3:00:00 PM	900-4500	4500-8100	8100-11700	11700-15300
101.8	99.7	99.8	100.0	102.1	100.7	100.7	99.5	99.5	100.6	102.1	100.6	9:00:00 PM	900-4500	4500-8100	8100-11700	11700-15300
100.9	98.0	99.1	101.0	101.0	100.5	100.5	100.2	100.2	99.7	100.7	100.7	10:00 AM	900-4500	4500-8100	8100-11700	11700-15300
0.5	0.1	0.2	0.4	0.7	0.6	0.6	0.2	0.1	0.6	5.1	5.1	AM	GEH	GE		



## **OPTIONS OPERATIONS ANALYSIS**



Bountiful Option B												GEH
U	S	U	U	U	U	U	U	U	U	U	U	
EB	IN	NB	WB	EB	IN	NB	WB	EB	IN	EB	IN	
-	C	C	A	-	-	A	C	-	-	B		
-	D	D	A	-	-	A	B	B	-	B		
-	21.2	23.5	24.0	18.5	18.0	6.0	-	6.0	10.1	6.0	10.1	10.7
-	25.8	28.5	29.3	22.3	22.3	6.1	-	6.1	15.5	9.6	15.5	12.5
-	24.0	26.1	27.6	21.2	20.6	6.2	-	6.2	11.8	8.1	11.8	11.8
-	19.7	22.4	22.0	16.3	17.3	6.1	-	6.1	8.2	5.8	8.2	10.3
-	27.8	34.4	25.9	22.4	28.3	6.1	-	6.1	9.7	6.7	9.7	12.0
-	42.1	51.0	36.4	34.7	47.4	6.1	-	6.1	10.2	8.2	10.2	13.2
-	42.9	51.2	36.3	36.4	49.2	6.2	-	6.2	13.0	13.0	10.1	13.4
-	29.0	34.9	27.0	24.3	30.0	6.0	-	6.0	9.9	6.6	9.9	11.1
0	250	150	175	125	0	0	0	25	50	25	125	0
0	375	200	200	150	0	0	50	50	75	25	450	0
0	350	175	200	150	0	0	50	50	50	25	350	0
0	225	150	150	100	0	0	50	50	50	25	100	0
25	250	250	200	200	0	0	25	50	50	25	125	0
50	375	350	250	300	0	0	50	75	75	25	400	0
50	450	325	250	300	0	0	50	100	100	25	375	0
25	250	250	200	200	0	0	50	50	50	25	150	0
488	966	4633	799	573	81	52	49	95	95	17	764	351
600	1195	570	981	722	101	62	60	121	121	20	956	435
557	1112	529	924	683	97	58	57	116	116	20	888	414
535	1064	507	878	647	92	56	54	110	110	19	847	391
1032	772	871	717	1009	87	44	51	102	102	20	737	547
1215	909	1028	844	1218	100	54	60	120	120	20	861	651
1213	906	1028	854	1213	100	56	60	120	120	20	868	648
1138	850	963	801	1136	93	51	55	111	111	18	812	608
435	862	413	715	524	74	37	45	88	88	15	486	317
590	1170	560	970	710	100	50	60	120	120	20	660	430
584	1157	554	959	702	99	50	60	119	119	20	653	425
546	1083	518	898	657	92	46	56	111	111	18	611	398
1034	772	873	721	1025	85	43	51	102	102	17	644	551
1220	910	1030	850	1211	100	50	60	120	120	20	760	650
1217	908	1027	848	1207	100	50	60	120	120	20	758	649
1138	849	961	793	1129	93	47	56	112	112	19	709	607
112.	112.	112.	111.	109.	109.	141.	109.	107.	113.	2	157.	110.
101.	102.	101.	101.	101.	101.	101.	101.	101.	100.	0	99.5	144.
95.4	96.1	95.6	96.4	97.3	98.1	117.	96.0	97.5	102.	6	135.	97.4
97.9	98.2	97.9	97.8	98.5	99.1	119.	98.1	99.0	103.	2	138.	98.1
99.7	100.	99.8	99.5	98.4	102.	103.	100.	99.7	100.	1	119.	99.3
99.6	99.8	99.8	99.3	100.	99.7	108.	99.7	99.7	100.	0	113.	100.
99.7	99.8	100.	100.	100.	100.	111.	100.	100.	100.	1	114.	100.
100.	100.	100.	100.	100.	100.	110.	98.0	99.1	96.6	5	114.	100.
0.5	1.0	0.6	0.7	0.6	0.3	3.1	0.1	0.2	0.3	2	19.3	0.5
0.2	0.0	0.0	0.1	0.1	0.1	1.2	0.1	0.0	0.3	7.3	0.0	

Bountiful Option B												Percent Served	GEH				
500 S @ (NB) 700 W						US-89 @ 1000 N											
S	S	S	S	U	U	S	S	NB	WB	IN	SB						
SB	NB	WB	EB	IN	NB	WB	EB	IN	WB	IN	SB	WB					
C	D	C	B	A	C	A	A	A	A	A	A	A	Worst Case LOS				
C	D	D	B	A	D	C	A	C	-	-	A	A	-				
25.9	30.9	28.5	30.6	11.3	4.8	32.2	0.5	9.6	9.6	4.8	-	-	6.6	6.6	-	900-4500	
27.6	31.0	45.5	31.3	12.2	5.3	34.2	0.4	9.7	9.7	6.6	-	-	6.9	6.9	-	4500-8100	
26.9	31.9	36.2	31.0	11.7	5.4	32.2	0.5	9.5	9.5	5.6	-	-	6.8	6.8	-	8100-11700	
24.8	28.6	23.5	29.7	10.8	4.4	32.1	0.4	9.7	9.7	4.4	-	-	6.6	6.6	-	11700-15300	
26.3	28.2	28.0	31.5	11.1	4.4	45.3	33.4	9.6	9.6	7.8	-	-	7.2	7.2	-	900-4500	
31.9	40.9	38.4	38.0	12.6	5.5	49.0	35.3	13.5	9.7	13.5	-	-	7.9	7.9	-	4500-8100	
31.5	42.1	39.3	38.7	13.2	5.2	53.7	34.0	16.0	9.6	16.0	-	-	8.1	8.1	-	8100-11700	
26.3	28.6	27.4	31.3	11.2	3.9	49.3	30.4	9.8	9.8	8.1	-	-	7.5	7.5	-	11700-15300	
250	125	150	150	100	175	0		25	100	125	0		50	50	0		
275	150	175	200	100	200	0		50	125	175	0		75	75	0		
250	125	175	175	100	175	0		25	100	125	0		50	50	0		
225	100	150	150	75	150	0		25	75	75	0		50	50	0		
200	275	325	275	125	250	50		25	125	125	0		75	75	0		
275	475	400	350	175	350	50		50	200	200	0		75	75	0		
250	500	400	350	150	425	50		25	225	175	0		75	75	0		
200	250	275	225	100	300	25		50	125	125	0		75	75	0		
788	443	1305	709		568	180	8		33	287	803	493		71	538		900-4500
981	550	1613	885		705	223	8		40	360	1005	610		92	677		4500-8100
913	512	1515	833		668	211	8		37	331	936	572		87	625		8100-11700
873	489	1444	792		637	200	8		35	318	891	545		81	596		11700-15300
702	962	1266	1206		1389	258	20		30	310	740	958		106	514		900-4500
838	1150	1511	1448		1638	308	20		40	369	897	1135		128	630		4500-8100
839	1151	1513	1443		1626	309	20		40	367	896	1138		129	620		8100-11700
785	1076	1417	1358		1536	289	18		37	344	842	1066		120	587		11700-15300
708	398	1172	641		517	163	7		30	258	722	442		66	487		900-4500
960	540	1590	870		700	220	10		40	350	980	600		90	660		4500-8100
949	534	1572	860		692	217	10		40	346	969	593		89	653		8100-11700
889	500	1472	806		648	203	9		37	324	907	556		83	611		11700-15300
712	975	1280	1229		1399	263	18		34	314	763	967		110	534		900-4500
840	1150	1510	1450		1650	310	20		40	370	900	1140		130	630		4500-8100
838	1147	1506	1446		1646	309	20		40	369	897	1137		130	629		8100-11700
784	1073	1409	1353		1540	289	19		37	345	840	1064		121	588		11700-15300
111.	111.	111.	110.		110.	110.	110.		113.	113.	111.	111.		107.	110.		
102.	101.	101.	101.		100.	101.	100.		101.	102.	101.	101.		102.	102.		
96.2	95.9	96.4	96.8		96.5	97.2	80.0		92.9	95.8	96.5	96.5		97.3	95.7		
98.2	97.9	98.1	98.3		98.3	98.4	85.0		94.3	98.2	98.2	98.2		97.7	97.6		
98.6	98.7	98.9	98.1		99.3	98.2	112.		88.6	98.7	97.1	99.1		99.6	96.3		
99.8	100.	100.	99.8		99.3	99.4	101.		100.	99.7	99.7	99.7		98.6	100.		
100.	100.	100.	99.8		98.8	99.9	98.5		99.6	99.5	99.9	100.		99.2	98.7		
100.	100.	100.	100.		99.8	100.	97.0		99.3	99.8	100.	100.		99.0	99.9		
0.8	0.5	0.9	0.7		0.4	0.4	0.8		0.0	0.5	0.9	0.6		0.1	0.5		
0.2	0.1	0.0	0.3		0.6	0.2	0.2		0.3	0.2	0.4	0.6		0.4	0.6		

Bountiful Option B

								Intersection Name			
								Control			
								Approach			
								AM			
								PM			
								Worst Case LOS			
								900-4500			
								4500-8100			
								8100-11700			
								11700-15300			
								900-4500			
								4500-8100			
								8100-11700			
								11700-15300			
								900-4500			
								4500-8100			
								8100-11700			
								11700-15300			
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								4500-8100			
								8100-11700			
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								900-4500			
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								11700-15300			
								900-4500			
								4500-8100			
								8100-11700			
								11700-15300			
								900-4500			
								4500-8100			
								8100-11700			
								11700-15300			

Options Operations Analysis									
Bountiful Option C									
Worst Case LOS									
C	C	C	S	S	NB	WB	EB	IN	SB
EB	IN	SB	WB	IN	SB	NB	EB	IN	SB
-	A	-	D	C	D	C	A	-	A
-	A	-	D	D	D	C	A	-	A
-	6.9	6.9	-	25.9	25.3	29.8	28.4	19.7	6.0
-	7.2	7.2	-	35.2	34.9	37.4	41.6	25.0	6.1
-	6.9	6.9	-	31.7	30.6	34.9	37.7	22.7	6.2
-	6.8	6.8	-	23.5	23.4	26.3	25.8	17.7	6.1
-	7.4	7.4	-	31.5	31.3	30.3	39.9	25.3	6.1
-	7.7	7.7	-	41.7	38.6	41.8	56.9	32.6	6.1
-	7.2	7.2	-	30.4	31.2	29.5	36.3	25.0	6.0
0	50	0	0	400	175	250	125	0	0
0	75	0	0	575	175	275	200	0	0
0	50	0	0	500	175	275	150	0	0
0	50	0	0	300	150	225	100	0	0
0	50	0	0	325	250	250	175	0	0
0	75	0	0	450	325	275	225	0	0
0	50	0	25	425	350	275	225	0	0
0	50	0	25	300	250	225	175	0	0
445	91	558	437	1081	381	734	592	81	33
546	112	692	541	1337	468	912	730	101	55
512	102	646	501	1243	436	865	695	97	49
489	98	620	481	1193	416	822	656	92	47
885	75	564	948	936	744	879	1054	87	40
1046	88	683	1115	1111	877	1025	1266	100	49
979	83	647	1044	1037	821	974	1186	93	46
1041	89	683	1115	1104	875	1046	1268	100	51
398	81	501	391	966	339	663	531	74	37
540	110	680	530	1310	460	900	721	100	50
534	109	673	524	1295	455	889	712	99	50
500	102	630	491	1213	426	833	667	92	46
890	77	585	950	941	746	882	1068	85	43
1050	90	690	1120	1110	880	1040	1260	100	50
1047	90	688	1117	1107	878	1038	1257	100	50
980	84	644	1045	1036	821	971	1176	93	47
111.9	112.3	111.2	111.7	111.9	112.5	110.6	111.5	109.7	109.7
101.1	101.9	101.7	102.1	102.1	101.8	101.4	101.3	101.1	109.2
96.0	93.9	96.1	95.6	96.0	95.9	97.3	97.6	98.1	98.6
97.7	96.8	98.4	98.0	98.4	97.8	98.6	98.3	99.1	101.4
99.4	98.4	96.3	99.8	99.5	99.7	99.7	98.7	102.8	93.9
99.5	99.2	99.3	99.8	99.7	99.7	100.8	100.9	100.1	102.5
100.0	98.7	100.6	99.9	100.1	99.9	100.4	100.9	99.1	99.6
0.5	0.1	0.6	0.5	1.0	0.5	0.8	0.8	0.3	0.1
0.2	0.3	0.4	0.2	0.1	0.1	0.2	0.1	0.2	0.1

Bountiful Option C											
Worst Case LOS											
Delay (Sec)											
95th Percentile Queue (Feet)											
500 S @ I-15	500 S @ US-89	US-89 @ 1000									
500 S @ US-89	500 S @ US-89	500 S @ US-89	500 S @ US-89	500 S @ US-89	500 S @ US-89	500 S @ US-89	500 S @ US-89	500 S @ US-89	500 S @ US-89	500 S @ US-89	500 S @ US-89
S	S	S	S	S	S	S	S	S	S	S	S
EB	IN	SB	NB	WB	EB	IN	NB	WB	EB	IN	NB
C	D	C	D	C	B	A	C	A	A	A	-
D	C	C	C	C	B	A	D	D	B	A	B
24.5	28.2	32.3	28.5	25.5	10.7	6.0	30.6	0.4	9.5	9.5	4.0
27.8	38.6	33.9	52.0	27.7	12.3	7.5	33.1	0.6	9.7	9.7	5.0
25.9	35.2	28.4	44.1	26.7	11.6	6.9	31.3	0.5	9.5	9.5	4.4
24.6	26.1	27.4	30.3	23.9	25.4	10.4	5.5	31.0	0.5	9.7	9.7
39.8	26.9	25.9	28.9	25.3	27.1	11.0	4.1	45.3	33.4	9.6	9.6
49.5	31.5	28.7	34.4	31.3	30.3	12.5	5.3	48.8	35.3	10.7	10.7
50.1	31.4	28.1	34.2	31.0	30.6	13.2	5.0	53.7	34.0	9.6	9.6
39.9	26.8	26.4	28.8	25.1	26.7	11.4	3.8	49.3	31.3	9.7	9.7
225	250	150	100	175	150	150	0	150	0	25	50
250	275	175	100	225	200	200	0	200	0	50	100
225	250	175	100	200	175	175	0	175	0	25	75
175	225	125	100	150	125	150	0	150	0	25	50
600	175	250	175	300	100	250	50	250	50	25	100
925	175	350	225	400	125	350	50	350	50	50	150
950	175	325	200	375	150	425	50	425	50	25	75
575	150	250	200	250	100	300	25	300	25	25	125
803	597	477	1114	643	790	189	8	189	8	33	257
1046	750	595	1375	790	998	232	8	232	8	40	317
940	696	548	1312	740	916	221	8	221	8	37	295
911	667	527	1240	704	882	210	8	210	8	35	282
1511	494	1039	1146	1123	1346	258	20	258	20	30	301
1825	588	1237	1370	1353	1599	308	20	308	20	40	362
1811	591	1238	1366	1339	1574	309	20	309	20	40	356
1703	550	1158	1285	1263	1486	289	18	289	18	37	335
737	538	427	1002	575	708	170	7	170	7	30	229
1000	730	580	1360	780	960	230	10	230	10	40	310
988	722	574	1345	771	949	227	10	227	10	40	307
926	676	537	1259	722	889	213	9	213	9	37	287
1543	500	1051	1161	1145	1348	263	18	263	18	34	306
1820	590	1240	1370	1350	1590	310	20	310	20	40	360
1815	589	1237	1366	1347	1586	309	20	309	20	40	359
1698	551	1157	1278	1260	1484	289	19	289	19	37	336
108.9	110.9	111.6	111.2	111.8	111.6	111.4	110.3	111.6	110.3	113.2	112.5
104.6	102.8	102.7	101.1	101.3	103.9	101.1	100.1	103.9	101.1	101.4	102.3
95.1	96.5	95.5	97.6	96.0	96.5	97.3	80.0	96.5	97.3	93.0	96.1
98.4	98.7	98.1	98.5	97.5	99.2	98.9	85.0	99.2	98.9	94.3	98.3
97.9	98.8	98.9	98.7	98.1	99.8	98.2	112.6	99.8	98.7	88.5	98.7
100.3	99.6	99.7	100.0	100.2	100.5	99.4	101.5	100.5	101.5	100.9	99.7
99.8	100.4	100.1	100.0	99.4	99.3	99.9	98.5	99.9	99.7	99.2	100.1
100.3	100.0	100.0	100.5	100.2	100.2	100.0	97.0	100.0	97.0	99.3	99.8
0.8	0.9	0.6	1.1	0.6	1.3	0.5	0.8	1.3	0.5	0.6	1.1
0.3	0.1	0.2	0.1	0.3	0.0	0.2	0.2	0.0	0.2	0.3	0.3

Bountiful Option C									
	IN	NB	WB	EB	IN	SB	NB	WB	
D	C	B	M	C	C	D	D	D	Worst Case LOS
D	A	C	M	D	D	M	D	D	
28.9	22.2	17.5	41.7	30.1	28.8	30.3	33.7	28.4	900-4500
36.3	23.5	18.8	63.7	33.7	33.8	30.5	35.4	39.9	4500-8100
33.3	22.9	18.9	53.3	32.5	30.8	30.6	35.6	32.1	8100-11700
28.0	21.9	16.6	40.1	29.3	28.2	30.2	34.2	26.1	11700-15300
36.8	5.7	31.8	56.0	37.3	43.9	45.0	51.4	41.2	900-4500
42.6	5.9	32.8	67.1	44.4	52.0	46.1	60.2	51.8	4500-8100
42.4	3.9	31.9	67.0	44.7	52.2	46.5	60.9	50.8	8100-11700
36.4	5.7	31.6	54.3	37.1	43.6	44.6	50.2	41.1	11700-15300
									95th Percentile Queue (Feet)
									Delay (Sec)
75	150	425	275		175	150	350		
100	175	950	375		200	200	675		
100	175	775	350		175	200	450		
75	150	325	250		150	175	275		
25	500	400	425		300	525	525		
50	650	550	725		375	700	700		
25	625	600	750		400	775	725		
50	475	400	400		275	475	475		
138	588	800	1279		614	593	992		
175	728	980	1597		766	732	1251		
156	668	921	1490		708	681	1145		
154	642	881	1423		681	654	1102		
177	1233	997	1650		926	1125	1132		
208	1460	1189	1965		1098	1337	1352		
207	1453	1184	1966		1093	1337	1342		
196	1363	1112	1846		1027	1252	1262		
126	524	715	1150		553	531	892		
169	710	970	1560		750	720	1211		
168	702	959	1543		742	712	1196		
157	657	898	1444		694	667	1120		
178	1238	1009	1670		933	1136	1145		
210	1460	1190	1970		1100	1340	1350		
210	1457	1187	1965		1097	1337	1347		
196	1363	1111	1839		1026	1250	1260		
109.9	112.2	111.9	111.2		111.0	111.8	111.3		
103.2	102.5	101.0	102.4		102.2	101.6	103.3		
92.7	95.2	96.1	96.6		95.5	95.7	95.8		
97.9	97.7	98.1	98.6		98.2	98.1	98.4		
99.6	99.6	98.8	98.8		99.3	99.0	98.9		
99.1	100.0	99.9	99.7		99.8	99.8	100.2		
100.2	100.0	100.2	100.4		100.0	100.1	100.2		
0.1	0.6	0.7	1.2		0.6	0.6	1.1		
0.2	0.1	0.2	0.2		0.2	0.2	0.2		GEH

Woods Cross Option A										Intersection Name @ 2600 S Overland Rd	Control	Approach	Worst Case LOS
\$	U	IN	WB	EB	IN	SB	NB	WB	EB				
WB	EB	IN	NB	WB	IN	SB	NB	WB	EB				
F	C	A	A	'	-	B	C	C	A	A	AM	PM	
D	C	A	A	'	-	B	C	C	B	B			
32.8	21.2	2.6	2.6	-	-	12.6	24.6	19.5	8.5	8.0	6:00:00 AM		900-4500
110.9	23.4	3.1	3.1	-	-	14.7	28.1	23.6	9.7	9.4	7:00:00 AM		4500-8100
133.5	23.0	3.3	3.3	-	-	13.6	26.5	21.9	9.1	8.6	8:00:00 AM		8100-11700
119.0	22.3	2.7	2.7	-	-	12.2	22.9	20.7	8.1	8.2	9:00:00 AM		11700-15300
32.3	25.3	3.9	3.9	-	-	12.5	24.2	20.8	8.9	9.7	3:00:00 PM		900-4500
43.0	27.5	4.8	4.8	-	-	14.2	25.6	22.8	10.1	11.7	4:00:00 PM		4500-8100
41.1	26.5	4.9	4.9	-	-	14.6	26.3	23.2	10.5	12.1	5:00:00 PM		8100-11700
35.4	25.8	4.3	4.3	-	-	12.5	24.4	21.0	8.9	9.6	6:00:00 PM		11700-15300
600	200	25	12.5	50		200	125	125	100	100	6:00:00 AM		
875	250	50	12.5	50		225	175	150	125	125	7:00:00 AM		
900	250	50	12.5	50		225	125	125	125	125	8:00:00 AM		
875	200	25	7.5	25		150	125	125	100	100	9:00:00 AM		
450	325	0	50	50		150	150	125	125	150	3:00:00 PM		
500	400	25	50	75		175	175	125	125	175	4:00:00 PM		
500	400	25	7.5	75		175	150	150	200	200	5:00:00 PM		
450	350	25	25	75		150	125	100	100	150	6:00:00 PM		
1542	1052	109	68.1	420		195	118	37.5	362	6:00:00 AM			900-4500
1595	1332	132	78.4	532		246	141	43.3	446	7:00:00 AM			4500-8100
1592	1245	120	76.5	492		227	133	42.2	418	8:00:00 AM			8100-11700
1612	1189	117	74.1	473		218	127	40.9	401	9:00:00 AM			11700-15300
1294	1616	51	50.3	622		161	151	39.4	624	3:00:00 PM			900-4500
1495	1930	60	57.5	728		187	180	44.7	737	4:00:00 PM			4500-8100
1485	1929	59	57.9	740		188	176	44.8	736	5:00:00 PM			8100-11700
1448	1810	55	54.9	689		177	166	42.6	691	6:00:00 PM			11700-15300
1408	973	96	61.2	383		177	104	34.0	324	6:00:00 AM			900-4500
1910	1320	130	83.0	520		240	140	46.0	440	7:00:00 AM			4500-8100
1889	1305	129	82.1	514		237	139	45.5	435	8:00:00 AM			8100-11700
1768	1222	121	76.8	481		222	130	42.6	407	9:00:00 AM			11700-15300
1314	1645	52	50.0	619		162	153	39.0	627	3:00:00 PM			900-4500
1550	1940	60	59.0	731		190	180	46.0	740	4:00:00 PM			4500-8100
1546	1936	60	58.8	728		189	180	45.9	738	5:00:00 PM			8100-11700
1447	1811	56	55.1	682		177	168	42.9	691	6:00:00 PM			11700-15300
109.5	108.2	112.8	111.2	109.8		110.4	113.9	110.5	111.6	111.6	6:00:00 AM		
83.5	100.9	101.7	94.5	102.2		102.3	100.7	94.3	101.5	101.5	7:00:00 AM		
84.3	95.4	93.3	93.3	95.8		95.9	95.7	92.8	95.9	95.9	8:00:00 AM		
91.2	97.3	96.8	96.5	98.2		98.0	97.6	96.2	98.3	98.3	9:00:00 AM		
98.5	98.2	98.2	100.6	100.4		99.4	99.2	100.9	99.5	99.5	3:00:00 PM		
96.4	99.5	100.2	97.5	99.6		98.5	100.0	97.2	99.6	99.6	4:00:00 PM		
96.1	99.7	99.1	98.4	101.6		99.4	98.0	97.6	99.8	99.8	5:00:00 PM		
100.1	100.0	97.7	99.7	101.1		99.6	99.0	99.1	100.0	100.0	6:00:00 PM		
7.8	0.0	0.1	1.1	0.4		0.3	0.3	1.0	0.5	0.5	AM		GEH
1.8	0.5	0.2	0.5	0.4		0.2	0.2	0.6	0.1	0.1	PM		

Woods Cross Option A										Woods Cross Option B										
2600 S @ US-89					2600 S @ I-15 Diamond					2600 S @ US-89					2600 S @ I-15 Diamond					
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN		
E	D	E	F	F	F	F	F	F	F	D	F	F	F	D	F	F	F	F	D	
D	D	C	D	F	C	F	F	E	F	E	D	E	D	E	D	E	D	E	D	
37.5	33.5	37.1	34.2	52.0	36.9	28.7	37.9	46.5	33.3	29.5	33.6	38.3	30.5	33.7	30.5	33.7	30.5	33.7	30.5	
58.4	39.2	46.5	71.0	59.4	154.3	212.4	178.1	230.1	34.7	89.0	227.1	37.6	404.0	38.7	404.0	38.7	404.0	38.7	404.0	
57.5	31.5	34.2	75.1	50.2	336.2	478.8	607.7	330.5	38.9	103.5	258.4	36.9	8100-11700	8100-11700	8100-11700	8100-11700	8100-11700	8100-11700	8100-11700	
61.1	36.7	47.9	76.8	57.6	327.2	564.1	573.5	340.6	40.9	121.8	450-8100	450-8100	450-8100	450-8100	450-8100	450-8100	450-8100	450-8100	450-8100	450-8100
31.3	40.1	30.7	21.1	47.7	37.8	26.3	32.6	53.8	40.3	29.2	450-4500	450-4500	450-4500	450-4500	450-4500	450-4500	450-4500	450-4500	450-4500	450-4500
37.6	45.7	44.8	23.1	51.2	83.1	29.2	134.0	139.5	55.7	38.3	59.1	34.7	8100-15300	8100-15300	8100-15300	8100-15300	8100-15300	8100-15300	8100-15300	
41.2	46.7	53.6	24.8	51.1	131.5	28.6	259.7	272.7	51.0	36.2	51.8	36.0	8100-11700	8100-11700	8100-11700	8100-11700	8100-11700	8100-11700	8100-11700	
30.8	40.3	29.8	20.9	49.0	106.5	26.8	216.6	162.2	44.0	30.9	33.3	32.3	11700-15300	11700-15300	11700-15300	11700-15300	11700-15300	11700-15300	11700-15300	
225	200	200	150	425	450	550	300	550	300	150	175	175	95th Percentile Queue (Feet)							
300	275	200	200	1925	1675	1500	375	1500	375	1225	200	200	Delay (Sec)							
250	225	200	175	1950	1975	1500	350	1950	1975	1225	200	200	Worst Case LOS							
200	175	200	175	1950	1975	1525	275	1950	1975	1225	150	150	Volume Served							
275	450	175	200	225	500	425	500	425	500	425	250	225	450-8100	450-8100	450-8100	450-8100	450-8100	450-8100	450-8100	
350	850	200	200	250	1950	1125	875	1950	1125	775	775	775	900-4500	900-4500	900-4500	900-4500	900-4500	900-4500	900-4500	
350	1100	200	225	250	1975	1475	850	1975	1475	650	650	650	8100-11700	8100-11700	8100-11700	8100-11700	8100-11700	8100-11700	8100-11700	
275	450	175	200	200	1975	1375	550	1975	1375	250	200	200	11700-15300	11700-15300	11700-15300	11700-15300	11700-15300	11700-15300	11700-15300	
570	640	1637	529	801	570	921	845	921	845	490	490	490	450-4500	450-4500	450-4500	450-4500	450-4500	450-4500	450-4500	
702	793	1771	662	829	651	944	1055	944	1055	551	551	551	500-8100	500-8100	500-8100	500-8100	500-8100	500-8100	500-8100	
653	742	1786	616	771	568	968	980	771	568	980	555	555	8100-11700	8100-11700	8100-11700	8100-11700	8100-11700	8100-11700	8100-11700	
627	710	1778	591	820	607	965	945	820	607	965	540	540	900-4500	900-4500	900-4500	900-4500	900-4500	900-4500	900-4500	
551	1130	1459	627	877	966	737	1396	877	966	1654	715	715	349	349	349	349	349	349	349	
646	1343	1708	756	1038	1058	853	1673	1038	1058	853	1673	1673	723	723	723	723	723	723	723	
606	1261	1642	700	973	1071	822	1567	1071	822	1567	673	673	325	325	325	325	325	325	325	
509	575	1533	479	722	516	826	774	722	516	826	774	774	450	450	450	450	450	450	450	
682	771	2056	643	969	692	1107	1038	969	692	1107	1038	1038	603	603	603	603	603	603	603	
639	722	1925	602	907	648	1037	972	907	648	1037	972	972	565	565	565	565	565	565	565	
551	1145	1483	627	882	975	746	1416	882	975	746	1416	1416	611	611	611	611	611	611	611	
650	1350	1750	740	1040	1150	880	1670	1040	1150	880	1670	1670	720	720	720	720	720	720	720	
649	1347	1746	738	1037	1147	878	1666	1037	1147	878	1666	1666	718	718	718	718	718	718	718	
607	1260	1633	691	971	1073	822	1558	971	1073	822	1558	1558	672	672	672	672	672	672	672	
111.9	111.4	106.8	110.6	111.0	110.4	111.6	109.3	111.0	110.4	111.6	109.3	108.9	110.5	110.5	110.5	110.5	110.5	110.5	110.5	
101.7	101.7	85.2	101.9	84.6	92.9	84.3	100.5	84.6	92.9	84.3	100.5	100.5	90.4	103.5	103.5	103.5	103.5	103.5	103.5	
95.8	96.2	86.9	95.8	79.6	82.1	87.5	94.4	79.6	82.1	87.5	94.4	94.4	9							

Woods Cross Option A-Alt										Intersection Name											
		S		U		U		U		U		U		U		U		U		Control	
SB	NB	WB	EB	IN	NB	WB	EB	IN	NB	WB	EB	IN	NB	WB	EB	IN	NB	WB	Approach		
C	D	B	C	A	A	-	-	B	C	A	A	C	A	B	B	C	A	A	AM		
E	F	C	A	A	-	-	B	C	C	B	B	C	B	B	B	C	B	B	PM		
22.0	38.4	15.6	22.6	2.7	2.7	-	-	12.5	24.5	19.9	8.3	8.0	6:00:00 AM						900-4500		
26.3	36.6	18.0	25.5	3.3	3.3	-	-	14.4	28.3	22.7	9.3	9.3	7:00:00 AM						4500-8100		
26.5	38.7	17.4	24.4	3.1	3.1	-	-	13.4	26.0	21.4	9.2	8.5	8:00:00 AM						8100-11700		
22.4	37.9	14.2	21.2	2.7	2.7	-	-	12.3	23.4	21.2	7.9	8.2	9:00:00 AM						11700-15300		
30.3	34.3	31.2	25.9	4.1	4.1	-	-	14.3	26.4	23.4	9.7	11.8	4:00:00 PM						900-4500		
60.4	34.8	75.0	29.4	4.7	4.7	-	-	14.3	26.4	23.4	10.5	12.7	5:00:00 PM						4500-8100		
68.3	34.9	84.3	29.5	4.8	4.8	-	-	15.0	26.7	23.4	10.5	12.7	5:00:00 PM						8100-11700		
43.5	33.3	45.8	25.9	4.7	4.7	-	-	12.1	23.1	21.0	8.4	9.4	6:00:00 PM						11700-15300		
125	175	325	225	25	100	25			200	125	125	100	100	6:00:00 AM						900-4500	
175	200	375	325	50	150	25			225	150	150	125	125	7:00:00 AM						900-4500	
175	200	375	300	50	125	25			200	125	125	100	100	6:00:00 AM						900-4500	
150	150	275	200	25	75	25			175	125	100	100	100	9:00:00 AM						900-4500	
225	225	675	350	25	50	50			175	150	125	125	125	150	3:00:00 PM					900-4500	
600	275	850	425	25	50	75			175	175	125	125	125	175	4:00:00 PM					900-4500	
675	275	850	425	25	50	75			175	150	150	150	150	200	5:00:00 PM					900-4500	
325	200	825	350	25	25	75			150	125	125	125	125	150	6:00:00 PM					900-4500	
486	204	1574	1051	109	691	422			196	118	379	379	362	6:00:00 AM						900-4500	
611	259	1911	1332	132	833	531			246	141	461	446	446	7:00:00 AM						4500-8100	
571	237	1859	1244	120	798	492			227	132	439	418	418	8:00:00 AM						8100-11700	
546	227	1735	1189	117	757	473			218	127	418	401	401	9:00:00 AM						11700-15300	
598	295	1296	1613	51	503	622			161	151	394	624	624	3:00:00 PM						900-4500	
705	348	1499	1927	60	576	728			187	180	446	736	736	4:00:00 PM						4500-8100	
712	346	1486	1931	59	578	742			188	176	448	739	739	5:00:00 PM						8100-11700	
671	325	1449	1810	55	549	689			177	166	425	690	690	6:00:00 PM						11700-15300	
450	185	1408	973	96	612	383			177	104	340	324	324	6:00:00 AM						900-4500	
610	250	1910	1320	130	830	520			240	140	460	440	440	7:00:00 AM						4500-8100	
603	247	1889	1305	129	821	514			237	139	455	435	435	8:00:00 AM						8100-11700	
565	231	1768	1222	121	768	481			222	130	426	407	407	9:00:00 AM						11700-15300	
611	296	1314	1645	52	500	619			162	153	390	627	627	3:00:00 PM						900-4500	
720	350	1550	1940	60	590	731			190	180	460	740	740	4:00:00 PM						4500-8100	
718	350	1546	1936	60	588	728			189	180	459	738	738	5:00:00 PM						8100-11700	
672	327	1447	1811	56	551	682			177	168	429	691	691	6:00:00 PM						11700-15300	
108.0	110.5	111.8	108.0		112.7	112.9	110.1			110.7	113.8	111.5	111.6	111.6	6:00:00 AM						900-4500
100.3	103.4	100.1	100.9		101.7	100.4	102.2			102.3	101.0	100.4	101.5	101.5	7:00:00 AM						900-4500
94.6	95.8	98.4	95.3		93.2	97.2	95.7			95.7	95.5	96.4	96.0	96.0	8:00:00 AM						900-4500
96.7	98.2	98.1	97.3		96.8	98.6	98.2			97.9	97.7	98.3	98.3	98.3	9:00:00 AM						900-4500
98.0	99.5	98.7	98.1		98.3	100.6	100.4			99.4	99.0	101.0	99.4	99.4	3:00:00 PM						900-4500
99.1	99.0	96.1	99.8		99.1	98.2	101.9			99.5	98.0	97.7	100.1	100.1	5:00:00 PM						900-4500
99.9	99.5	96.7	99.3		100.1	97.6	99.6			98.6	100.2	96.9	99.6	99.6	6:00:00 PM						900-4500
0.3	0.4	1.2	0.0		0.1	0.9	0.4			0.3	0.3	0.4	0.5	0.5	AM						GEH
0.7	0.2	1.7	0.6		0.2	0.5	0.4			0.2	0.2	0.6	0.1	0.1	PM						GEH



Woods Cross Option A-Alt		Worst Case LOS		95th Percentile Queue (Feet)												Percent Served		GEH	
		A	B	Delay (Sec)			Volume Served			Volume Demand									
	IN			900-4500	4500-8100	8100-11700	11700-15300	900-4500	4500-8100	8100-11700	11700-15300	900-4500	4500-8100	8100-11700	11700-15300	900-4500	4500-8100	8100-11700	11700-15300
		6.0	7.1	6.8	5.6	8.6	11.8	14.1	8.9										

Woods Cross Option B										Intersection Name	Delay (Sec)	Percent Served	GEH
NB	WB	EB	IN	NB	WB	IN	NB	WB	EB	Approach			
D	B	C	A	-	-	B	C	C	A	A	AM	PM	900-4500
C	D	C	A	-	-	B	C	C	A	B	AM	PM	4500-8100
39.4	14.6	22.7	8.3	8.3	-	-	12.6	24.7	21.0	8.2	8.2	6:00:00 AM	900-4500
37.2	17.2	23.9	9.5	-	-	14.3	27.5	23.3	9.5	9.6	7:00:00 AM	4500-8100	8100-11700
39.0	16.8	23.8	8.9	8.9	-	-	13.6	26.7	22.4	8.9	8.9	8:00:00 AM	11700-15300
38.4	13.3	22.2	8.2	8.2	-	-	12.1	22.5	20.6	7.8	8.3	9:00:00 AM	900-4500
34.5	25.6	24.0	8.9	8.9	-	-	12.4	24.8	21.6	7.8	9.6	3:00:00 PM	4500-8100
34.8	40.0	27.7	9.4	9.4	-	-	14.2	25.4	24.9	9.5	11.5	4:00:00 PM	900-4500
34.8	42.7	27.9	9.8	9.8	-	-	14.4	26.2	23.3	9.3	12.2	5:00:00 PM	8100-11700
33.0	28.3	24.9	8.9	8.9	-	-	12.0	23.2	21.7	8.0	9.2	6:00:00 PM	11700-15300
175	300	225	75	75	0	-	200	200	125	125	100	6:00:00 AM	95th Percentile Queue (Feet)
200	325	275	75	100	0	-	250	250	150	150	125	7:00:00 AM	
200	350	250	75	75	0	-	225	225	125	125	125	8:00:00 AM	
150	275	200	75	50	0	-	150	150	100	125	100	9:00:00 AM	
225	625	325	25	25	0	-	175	175	125	125	150	10:00:00 AM	
275	825	475	50	25	0	-	175	175	125	125	175	4:00:00 PM	
200	725	375	25	0	0	-	150	150	100	125	150	5:00:00 PM	
204	1574	1074	109	680	420	-	196	118	390	361	361	6:00:00 AM	900-4500
259	1915	1346	132	834	533	-	245	141	481	447	447	7:00:00 AM	4500-8100
237	1854	1249	120	800	491	-	228	133	462	419	419	8:00:00 AM	8100-11700
227	1735	1199	117	753	473	-	218	127	435	401	401	9:00:00 AM	11700-15300
295	1302	1624	51	499	624	-	161	151	367	624	624	3:00:00 PM	900-4500
349	1534	1932	60	585	726	-	187	180	436	736	736	4:00:00 PM	4500-8100
325	1448	1810	55	550	689	-	177	166	407	690	690	6:00:00 PM	11700-15300
185	1408	973	96	612	383	-	177	104	340	324	324	6:00:00 AM	900-4500
250	1910	1320	130	830	520	-	240	140	460	440	440	7:00:00 AM	4500-8100
247	1889	1305	129	821	514	-	237	139	455	435	435	8:00:00 AM	8100-11700
231	1768	1222	120	768	482	-	222	130	426	407	407	9:00:00 AM	11700-15300
296	1314	1645	51	500	619	-	162	153	390	627	627	3:00:00 PM	900-4500
350	1550	1940	60	590	730	-	190	180	460	740	740	4:00:00 PM	4500-8100
350	1546	1936	60	588	728	-	189	180	459	738	738	5:00:00 PM	8100-11700
327	1447	1811	56	551	681	-	177	168	429	691	691	6:00:00 PM	11700-15300
110.4	111.8	110.4	113.4	111.1	109.7	-	110.6	113.8	115.0	111.4	111.4	6:00:00 AM	
103.5	100.3	102.0	101.8	100.5	102.5	-	102.0	100.8	104.6	101.7	101.7	7:00:00 AM	
96.0	98.2	95.7	93.8	97.5	95.6	-	96.1	95.8	101.5	96.2	96.2	8:00:00 AM	
98.2	98.1	98.2	97.1	98.0	98.3	-	98.0	97.6	102.1	98.4	98.4	9:00:00 AM	
99.5	99.1	98.7	99.7	99.8	100.7	-	99.4	99.2	94.0	99.5	99.5	3:00:00 PM	
99.7	98.9	99.6	100.0	99.1	99.4	-	98.3	99.9	94.9	94.9	94.9	4:00:00 PM	
99.0	98.6	99.6	99.3	102.1	99.9	-	97.6	94.9	100.1	99.5	99.5	5:00:00 PM	
99.5	100.1	100.0	97.7	100.0	101.1	-	99.6	98.9	100.0	94.8	94.8	6:00:00 PM	
0.5	1.2	0.7	0.2	0.7	0.4	-	0.3	0.3	2.1	0.5	0.5	AM	
0.2	0.6	0.4	0.1	0.2	0.4	-	0.2	0.3	2.3	0.1	0.1	PM	

Woods Cross Option B												Percent Served			
												GEH			
NB	WB	EB	IN	SB	WB	EB	IN	SB	Worst Case LOS						
A	B	A	C	C	C	E	C	F	C	C	C				
B	B	A	C	D	B	D	E	C	F	E	C				
5.6	11.5	7.2	24.3	24.8	26.9	21.7	28.9	31.7	23.0	31.9	41.6	19.7	21.3	900-4500	
6.7	14.3	8.7	27.9	26.3	29.6	26.9	30.8	60.5	31.3	77.7	101.0	34.3	22.1	26.6	4500-8100
6.2	13.4	8.2	26.7	25.0	28.9	25.4	30.4	58.9	26.8	65.6	105.6	32.7	21.7	25.3	8100-11700
5.1	11.8	6.6	23.4	24.3	26.1	20.4	28.5	30.3	21.9	31.1	38.8	28.4	18.9	20.9	11700-15300
8.5	14.4	6.7	24.6	38.9	28.5	12.0	34.7	34.8	25.5	29.8	52.4	34.5	25.6	25.0	900-4500
11.5	16.7	7.6	28.2	43.1	36.0	13.3	35.9	57.8	28.0	61.4	95.0	54.0	32.8	29.7	4500-8100
10.3	16.3	7.6	28.9	42.6	37.1	14.1	36.4	75.6	28.2	90.0	144.0	61.2	33.9	31.0	8100-11700
8.1	14.8	6.4	24.1	37.9	28.2	11.6	34.2	45.1	25.3	51.1	70.8	38.0	26.9	26.2	11700-15300
225	50	100	225	275	525	200	275	300	275	300	475	300	125		
250	50	125	275	325	850	250	600	950	1300	375					
225	50	100	250	300	825	225	400	825	1375	350					
175	50	75	200	225	475	200	225	275	400	275					
250	100	75	325	525	275	200	225	450	425	525					
325	100	100	400	675	325	225	250	1175	675	825					
250	100	100	400	675	300	225	275	1925	1225	800					
200	100	75	300	475	250	175	225	1450	700	700					
610	57	221	568	643	1695	527	807	578	930	841	492				900-4500
750	71	275	703	794	2092	664	999	697	1108	1068	622				4500-8100
719	66	257	654	742	2021	614	931	678	1095	994	577				8100-11700
678	62	245	628	709	1895	592	891	635	1017	954	554				11700-15300
725	152	200	547	1134	1470	633	873	966	739	1390	602	900-4500			
879	180	240	649	1348	1745	735	1036	1143	869	1653	714	4500-8100			
856	177	239	646	1351	1729	754	1041	1131	867	1670	708	8100-11700			
818	166	224	607	1261	1638	699	973	1075	823	1567	670	11700-15300			
553	51	200	509	575	1533	479	722	516	826	774	450	900-4500			
750	70	270	690	780	2080	650	981	700	1120	1050	610	4500-8100			
741	70	268	682	771	2056	643	969	692	1107	1038	603	8100-11700			
694	65	250	639	722	1925	602	907	648	1037	972	565	11700-15300			
755	152	204	551	1144	1483	627	882	975	746	1416	611	900-4500			
890	180	240	650	1350	1750	740	1040	1150	880	1670	720	4500-8100			
887	180	240	649	1347	1746	738	1037	1147	878	1666	718	8100-11700			
830	168	224	607	1260	1633	691	971	1073	822	1558	672	11700-15300			
110.4	111.0	110.8	111.6	111.7	110.6	110.0	111.8	112.0	112.6	108.8	109.5				
100.0	101.0	102.0	101.9	101.8	100.6	102.2	101.9	99.5	98.9	101.7	102.0				
96.9	95.3	96.2	95.9	96.2	98.3	95.5	96.1	98.0	98.9	95.7	95.7				
97.7	94.5	98.1	98.3	98.1	98.4	98.4	98.1	98.0	98.1	98.2	98.1				
96.1	99.7	98.2	99.3	99.1	99.1	101.0	99.1	99.2	99.1	98.2	98.5				
98.8	99.7	99.9	99.9	99.9	99.7	99.3	99.6	99.4	98.7	99.0	99.2				
98.5	98.9	100.0	100.0	100.1	100.3	101.2	100.3	100.1	100.2	100.5	99.7				
0.4	0.0	0.4	0.7	0.7	1.2	0.5	0.8	0.6	0.9	0.4	0.4				
1.5	0.2	0.1	0.1	0.1	0.4	0.5	0.1	0.5	0.4	0.5	0.5				

		Woods Cross Option B						North Salt Lake Option A						GEH														
		Intersection Name		Control		Approach		IN		SB		A		A		B		A		Worst Case LOS		GEH						
Center St @ Main St	North Salt Lake Option A	Worst Case LOS		Worst Case LOS		Worst Case LOS		Worst Case LOS		Worst Case LOS		Worst Case LOS		Worst Case LOS		Worst Case LOS		Worst Case LOS		Worst Case LOS		Worst Case LOS		Percent Served				
		D	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	GEH	GEH		
21.0	36.5	8.6	10.2	6:00:00 AM	900-4500	900-4500	900-4500	900-4500	900-4500	900-4500	900-4500	900-4500	900-4500	900-4500	900-4500	900-4500	900-4500	900-4500	900-4500	900-4500	900-4500	900-4500	900-4500	900-4500	900-4500			
18.5	42.7	12.2	13.3	7:00:00 AM	4500-8100	4500-8100	4500-8100	4500-8100	4500-8100	4500-8100	4500-8100	4500-8100	4500-8100	4500-8100	4500-8100	4500-8100	4500-8100	4500-8100	4500-8100	4500-8100	4500-8100	4500-8100	4500-8100	4500-8100	4500-8100			
20.4	39.6	10.8	11.9	8:00:00 AM	8100-11700	8100-11700	8100-11700	8100-11700	8100-11700	8100-11700	8100-11700	8100-11700	8100-11700	8100-11700	8100-11700	8100-11700	8100-11700	8100-11700	8100-11700	8100-11700	8100-11700	8100-11700	8100-11700	8100-11700	8100-11700			
23.1	33.4	8.5	9.6	9:00:00 AM	11700-15300	11700-15300	11700-15300	11700-15300	11700-15300	11700-15300	11700-15300	11700-15300	11700-15300	11700-15300	11700-15300	11700-15300	11700-15300	11700-15300	11700-15300	11700-15300	11700-15300	11700-15300	11700-15300	11700-15300	11700-15300			
23.0	35.7	13.7	10.9	3:00:00 PM	900-4500	900-4500	900-4500	900-4500	900-4500	900-4500	900-4500	900-4500	900-4500	900-4500	900-4500	900-4500	900-4500	900-4500	900-4500	900-4500	900-4500	900-4500	900-4500	900-4500	900-4500			
20.8	39.6	17.5	13.8	4:00:00 PM	4500-8100	4500-8100	4500-8100	4500-8100	4500-8100	4500-8100	4500-8100	4500-8100	4500-8100	4500-8100	4500-8100	4500-8100	4500-8100	4500-8100	4500-8100	4500-8100	4500-8100	4500-8100	4500-8100	4500-8100	4500-8100			
23.3	39.3	17.7	13.3	5:00:00 PM	8100-11700	8100-11700	8100-11700	8100-11700	8100-11700	8100-11700	8100-11700	8100-11700	8100-11700	8100-11700	8100-11700	8100-11700	8100-11700	8100-11700	8100-11700	8100-11700	8100-11700	8100-11700	8100-11700	8100-11700	8100-11700			
24.2	35.6	14.4	10.5	6:00:00 PM	11700-15300	11700-15300	11700-15300	11700-15300	11700-15300	11700-15300	11700-15300	11700-15300	11700-15300	11700-15300	11700-15300	11700-15300	11700-15300	11700-15300	11700-15300	11700-15300	11700-15300	11700-15300	11700-15300	11700-15300	11700-15300			
75	300	125	200	6:00:00 AM	900-4500	900-4500	900-4500	900-4500	900-4500	900-4500	900-4500	900-4500	900-4500	900-4500	900-4500	900-4500	900-4500	900-4500	900-4500	900-4500	900-4500	900-4500	900-4500	900-4500	900-4500			
100	400	175	250	7:00:00 AM	100	350	150	225	8:00:00 AM	100	350	150	225	9:00:00 AM	100	250	125	225	100	100	125	125	100	100	100	100		
75	250	100	175	9:00:00 AM	75	250	100	175	9:00:00 AM	75	250	100	175	9:00:00 AM	100	225	125	225	100	100	150	150	100	100	100	100		
100	250	125	225	3:00:00 PM	100	225	150	200	4:00:00 PM	100	225	150	200	6:00:00 PM	99	330	193	346	6:00:00 AM	99	330	193	346	6:00:00 AM	99	330	193	346
125	300	175	350	5:00:00 PM	125	275	150	375	4:00:00 PM	125	275	150	375	4:00:00 PM	100	250	125	225	3:00:00 PM	121	408	244	426	7:00:00 AM	121	408	244	426
125	300	175	350	5:00:00 PM	125	275	150	375	4:00:00 PM	125	275	150	375	4:00:00 PM	100	225	125	225	3:00:00 PM	111	382	231	402	8:00:00 AM	111	382	231	402
125	300	175	350	5:00:00 PM	125	275	150	375	4:00:00 PM	125	275	150	375	4:00:00 PM	100	225	125	225	3:00:00 PM	107	364	219	383	9:00:00 AM	107	364	219	383
125	300	175	350	5:00:00 PM	125	275	150	375	4:00:00 PM	125	275	150	375	4:00:00 PM	100	225	125	225	3:00:00 PM	124	269	173	511	3:00:00 PM	124	269	173	511
148	319	203	610	4:00:00 PM	148	319	203	610	4:00:00 PM	148	319	203	610	4:00:00 PM	147	320	208	606	5:00:00 PM	147	320	208	606	5:00:00 PM	147	320	208	606
138	299	192	570	6:00:00 PM	138	299	192	570	6:00:00 PM	138	299	192	570	6:00:00 PM	138	299	192	570	6:00:00 PM	138	299	192	570	6:00:00 PM	138	299	192	570
89	295	178	310	6:00:00 AM	89	295	178	310	6:00:00 AM	89	295	178	310	6:00:00 AM	111	395	237	416	8:00:00 AM	111	395	237	416	8:00:00 AM	111	395	237	416
120	400	240	420	7:00:00 AM	120	400	240	420	7:00:00 AM	120	400	240	420	7:00:00 AM	120	400	240	420	7:00:00 AM	120	400	240	420	7:00:00 AM	120	400	240	420
119	395	237	416	8:00:00 AM	119</td																							

US-89 @ Center St	North Salt Lake Option A										US-89 @ Main St										
	S	SB	NB	WB	EB	IN	SB	NB	WB	IN	SB	NB	EB	IN	Worst Case LOS						
C	B	A	C	D	B	C	D	C	-	B	A	A	D	C							
21.6	14.6	6.6	9.1	28.4	28.6	10.1	-	-	10.1	8.5	4.9	4.3	37.7	20.0	900-4500						
20.8	16.2	7.7	11.2	30.4	28.7	10.4	-	-	10.4	9.4	5.2	6.1	37.4	23.6	4500-8100				8100-11700		
23.6	15.8	7.7	10.2	29.8	34.1	10.0	-	-	10.0	9.1	5.3	5.1	38.3	21.9	11700-15300				11700-15300		
22.5	14.2	6.7	8.6	27.5	37.1	9.6	-	-	9.6	8.3	4.8	3.8	38.7	18.8					900-4500		
20.3	13.6	8.9	10.2	28.8	23.5	12.3	-	-	12.3	8.5	7.0	2.4	36.7	19.0					4500-8100		
18.7	16.3	11.0	14.3	29.2	23.0	13.0	-	-	13.0	9.1	7.9	2.9	36.0	21.7	8100-11700				8100-11700		
18.8	16.8	11.1	14.5	30.4	26.5	13.3	-	-	13.3	9.4	8.2	3.2	37.5	21.7					900-4500		
20.3	20.8	9.2	19.6	43.4	24.3	16.7	-	-	16.7	15.7	6.5	16.3	36.2	18.9					11700-15300		
200	150	200	350	50	0	0	0	0	0	75	100	175	175			900-4500				4500-8100	
225	200	250	425	50	225	0	25	0	75	150	150	275	200			8100-11700				8100-11700	
250	200	225	400	50	225	0	25	0	75	150	200	200			900-4500				4500-8100		
200	125	175	250	50	0	0	0	0	75	100	125	175			11700-15300				900-4500		
175	150	350	175	50	0	0	0	0	75	125	125	275			8100-11700				4500-8100		
225	175	500	225	50	25	0	25	0	75	100	125	175			11700-15300				900-4500		
200	175	500	250	75	25	0	75	0	75	100	125	175			8100-11700				4500-8100		
150	125	900	400	50	0	0	0	0	400	75	100	125			11700-15300				900-4500		
274	791	741	733	17	1264	737	71	71	1264	737	71	620	723	180			8100-11700		4500-8100		
347	997	937	906	20	1588	926	92	92	1588	922	81	782	908	224			8100-11700		4500-8100		
322	914	866	845	20	1465	855	87	87	1465	855	87	716	854	209			8100-11700		4500-8100		
310	885	832	809	19	1413	822	81	81	1413	822	81	693	813	200			900-4500		8100-11700		
313	834	1598	591	24	1026	1675	66	66	1026	1675	66	559	1180	285			8100-11700		4500-8100		
374	10000	1880	696	27	1232	1969	81	81	1232	1969	80	668	1370	341			8100-11700 <td data-kind="ghost"></td> <th data-cs="2" data-kind="parent">4500-8100</th> <th data-kind="ghost"></th>		4500-8100		
379	996	1897	699	28	1234	1982	80	80	1234	1982	80	667	1391	339			8100-11700 <td data-kind="ghost"></td> <th data-cs="2" data-kind="parent">4500-8100</th> <th data-kind="ghost"></th>		4500-8100		
351	936	1768	653	27	1159	1851	75	75	1159	1851	75	626	1291	318			8100-11700 <td data-kind="ghost"></td> <th data-cs="2" data-kind="parent">4500-8100</th> <th data-kind="ghost"></th>		4500-8100		
251	715	671	656	15	1143	664	67	67	1143	664	67	560	656	162			8100-11700 <td data-kind="ghost"></td> <th data-cs="2" data-kind="parent">4500-8100</th> <th data-kind="ghost"></th>		4500-8100		
341	970	910	890	20	1550	900	90	90	1550	900	90	760	890	220			8100-11700 <td data-kind="ghost"></td> <th data-cs="2" data-kind="parent">4500-8100</th> <th data-kind="ghost"></th>		4500-8100		
336	959	900	880	20	1533	890	89	89	1533	890	89	752	880	218			8100-11700 <td data-kind="ghost"></td> <th data-cs="2" data-kind="parent">4500-8100</th> <th data-kind="ghost"></th>		4500-8100		
315	898	843	824	19	1435	833	83	83	1435 <td>833</td> <td>83</td> <td>704</td> <td>824</td> <td>204</td> <td data-cs="2" data-kind="parent"></td> <td data-kind="ghost"></td> <td data-cs="2" data-kind="parent">8100-11700<td data-kind="ghost"></td><th data-cs="2" data-kind="parent">4500-8100</th><th data-kind="ghost"></th></td>	833	83	704	824	204			8100-11700 <td data-kind="ghost"></td> <th data-cs="2" data-kind="parent">4500-8100</th> <th data-kind="ghost"></th>		4500-8100		
322	847	1611	593	26	1051	1687	68	68	1051 <td>1687</td> <td>68</td> <td>568</td> <td>1179</td> <td>288</td> <td data-cs="2" data-kind="parent"></td> <td data-kind="ghost"></td> <td data-cs="2" data-kind="parent">8100-11700<td data-kind="ghost"></td><th data-cs="2" data-kind="parent">4500-8100</th><th data-kind="ghost"></th></td>	1687	68	568	1179	288			8100-11700 <td data-kind="ghost"></td> <th data-cs="2" data-kind="parent">4500-8100</th> <th data-kind="ghost"></th>		4500-8100		
380	998	1895	698	30	1237	1985	80	80	1237	1985	80	668	1387	339			8100-11700		4500-8100		
355	933	1773	653	28	1157	1857	75	75	1157	1857	75	625	1297	317			8100-11700		4500-8100		
109.5	110.6	110.5	111.7	116.6	110.7	111.1	106.7	106.7	110.7	111.1	106.7	110.7	110.3	110.9			8100-11700		45		

North Salt Lake Option A										US-89 @ I-215										
IN		NB	WB	EB	IN		SB	NB	EB	IN		SB	NB	WB	Worst Case LOS					
W	B	C	A	B	C	D	C	B	C	E	F	G	H	I	C	C	C	C	900-4500	
C	C	D	A	C	C	D	C	D	C	E	F	G	H	I	C	C	C	C	4500-8100	
14.4	16.6	22.4	7.3	17.9	14.0	16.3	19.3	8.6	16.7	10.8	17.1	26.5	900-4500							
17.3	18.3	27.7	8.6	18.9	17.4	20.4	20.3	11.7	19.0	14.5	20.8	26.0	4500-8100							
15.9	18.3	25.0	8.1	18.7	15.9	18.5	19.8	10.5	18.3	12.4	18.5	28.0	8100-11700							
13.7	17.6	21.1	7.0	18.4	13.0	15.1	18.7	7.6	16.4	9.9	16.3	27.3	11700-15300							
20.4	25.3	31.7	9.4	24.4	17.6	18.0	26.9	9.5	15.1	13.1	12.6	24.4	900-4500							
25.9	27.3	47.1	9.4	25.9	22.1	20.0	35.1	13.0	17.6	15.1	17.3	24.4	4500-8100							
25.9	26.3	46.2	9.5	27.1	21.3	20.3	32.4	12.9	17.2	15.6	15.9	25.5	8100-11700							
23.3	27.7	37.7	9.5	29.5	19.3	17.5	29.6	12.4	22.1	12.5	30.1	24.5	11700-15300							
100	200	100	125		325	125	125		150	175	150		900-4500							
100	275	125	125		400	150	150		200	200	200		4500-8100							
125	250	125	125		375	125	125		175	200	200		8100-11700							
100	175	100	100		275	125	100		150	150	150		11700-15300							
75	375	150	275		350	275	200		150	325	175		900-4500							
100	625	175	300		500	600	225		175	425	150		4500-8100							
75	400	150	300		350	250	225		125	1100	150		8100-11700							
100	600	175	350		475	475	250		175	425	175		11700-15300							
109	1005	1272	190		1303	321	856		605	400	203		900-4500							
132	1248	1575	233		1629	397	1066		749	508	259		4500-8100							
122	1160	1475	220		1518	369	990		691	482	237		8100-11700							
117	1111	1414	210		1457	355	947		665	456	227		11700-15300							
51	1052	1354	661		1046	1084	1319		602	923	210		900-4500							
59	1263	1627	772		1247	1288	1557		708	1067	249		4500-8100							
60	1256	1618	780		1254	1283	1568		709	1084	248		8100-11700							
55	1177	1522	726		1177	1206	1461		662	1004	232		11700-15300							
96	899	1142	170		1180	288	766		538	368	185		900-4500							
130	1220	1550	230		1600	390	1040		730	500	250		4500-8100							
129	1206	1533	228		1582	385	1029		722	495	247		8100-11700							
120	1129	1435	213		1481	361	963		676	463	231		11700-15300							
51	1068	1373	661		1069	1094	1331		602	916	212		900-4500							
60	1260	1620	780		1260	1290	1570		710	1080	250		4500-8100							
60	1257	1616	778		1257	1286	1566		708	1077	250		8100-11700							
56	1176	1512	728		1176	1204	1465		663	1008	233		11700-15300							
113.5	111.8	111.3	112.3		110.4	111.6	111.7		112.4	108.6	110.1		900-4500							
101.3	102.3	101.6	101.4		101.8	102.0	102.5		101.6	103.7			4500-8100							
94.4	96.2	96.5	96.5		96.0	96.3	95.7		97.4	96.0			900-4500							
96.9	98.4	98.7	98.7		98.4	98.3	98.4		98.3	98.5	98.3		4500-8100							
99.0	98.5	98.6	100.1		97.9	99.1	99.1		100.0	100.7	99.1		900-4500							
98.9	100.2	100.4	98.9		99.0	99.9	99.2		99.8	98.8	99.6		4500-8100							
101.1	100.0	100.1	100.3		99.8	100.1	100.1		100.6	99.4			900-4500							
97.6	100.1	100.7	99.7		100.2	100.2	99.7		99.9	99.7	99.3		4500-8100							
0.2	1.0	1.0	0.5		0.8	1.0	0.5		0.8	0.5	0.5		900-4500							
0.1	0.2	0.0	0.1		0.5	0.2	0.4		0.0	0.0	0.2		900-4500							

Salt Lake City Option A										Worst Case LOS										Percent Served												
@ 600 N ≤ 300					@ 600 N ≤ 900					@ 600 N ≤ 900					@ 600 N ≤ 8th					@ 600 N ≤ 8th					GEH							
		S		S																												
NB	WB	EB	IN	SB	NB	WB	EB	IN	SB	NB	WB	EB	IN	SB	NB	WB	EB	IN	SB	NB	WB	EB	IN	SB	NB	WB	EB	IN	SB			
D	m	C	B	C	B	C	B	C	B	A	A	B	A	C	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A		
37.5	46.7	21.8	11.8	19.1	12.9	9.3	11.5	7.6	5.7	7.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
39.7	67.7	24.9	15.3	24.0	14.7	13.3	14.8	9.6	6.3	9.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
39.7	62.9	25.1	14.8	23.9	14.3	13.0	14.1	9.3	5.9	9.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
37.7	48.3	22.7	12.3	19.7	12.9	9.8	12.1	7.9	5.9	7.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
37.8	65.5	30.3	16.1	23.0	17.5	13.5	16.6	7.0	5.7	7.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
41.2	103.9	32.1	19.7	26.3	20.0	16.8	21.3	7.9	5.7	7.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
42.8	121.9	31.3	19.3	26.3	19.7	16.7	20.4	7.9	5.7	7.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
37.2	62.5	28.1	15.7	22.4	18.1	13.2	15.7	6.8	5.7	6.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
200	450	275	100	75	125	150	125	150	125	150	25	100	25	100	25	100	25	100	25	100	25	100	25	100	25	100	25	100				
275	750	375	125	100	200	225	200	200	200	200	50	125	75	125	75	125	75	125	75	125	75	125	75	125	75	125	75	125	75			
275	675	350	125	100	200	225	200	200	200	200	25	100	75	100	75	100	75	100	75	100	75	100	75	100	75	100	75	100	75			
225	425	325	100	75	175	150	150	150	150	150	25	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50			
400	500	325	100	150	225	300	300	300	300	300	25	100	75	100	75	100	75	100	75	100	75	100	75	100	75	100	75	100	75			
550	950	350	125	175	325	300	325	300	325	300	25	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100			
375	450	325	100	150	200	200	200	200	200	200	25	100	75	100	75	100	75	100	75	100	75	100	75	100	75	100	75	100	75			
498	326	924	190	283	612	523	523	523	523	523	34	139	691	691	691	691	691	691	691	691	691	691	691	691	691	691	691	691	691	691		
679	444	1258	259	389	860	716	716	716	716	716	48	189	975	975	975	975	975	975	975	975	975	975	975	975	975	975	975	975	975	975		
683	450	1285	257	386	865	711	711	711	711	711	48	186	971	971	971	971	971	971	971	971	971	971	971	971	971	971	971	971	971	971		
639	416	1205	241	361	803	569	569	569	569	569	45	175	906	906	906	906	906	906	906	906	906	906	906	906	906	906	906	906	906	906		
1119	313	708	231	434	978	770	770	770	770	770	8	108	1095	1095	1095	1095	1095	1095	1095	1095	1095	1095	1095	1095	1095	1095	1095	1095	1095	1095		
1294	368	837	279	520	1170	910	910	910	910	910	8	127	1309	1309	1309	1309	1309	1309	1309	1309	1309	1309	1309	1309	1309	1309	1309	1309	1309	1309		
1330	364	842	278	516	1164	902	902	902	902	902	8	128	1305	1305	1305	1305	1305	1305	1305	1305	1305	1305	1305	1305	1305	1305	1305	1305	1305	1305		
1231	344	797	262	484	1104	738	738	738	738	738	8	120	1234	1234	1234	1234	1234	1234	1234	1234	1234	1234	1234	1234	1234	1234	1234	1234	1234	1234	1234	
509	332	929	192	287	627	531	531	531	531	531	37	140	707	707	707	707	707	707	707	707	707	707	707	707	707	707	707	707	707	707	707	
690	450	1260	260	390	850	720	720	720	720	720	50	190	960	960	960	960	960	960	960	960	960	960	960	960	960	960	960	960	960	960	960	960
682	446	1246	257	386	841	712	712	712	712	712	50	188	950	950	950																	

Salt Lake City Option A												Percent Served		
	@ 600 N D 15						Beck St Chicago St						@ 600 N ≤ 400	
	S			S			S			S			S	
SB	NB	WB	EB	IN	SB	NB	EB	IN	SB	NB	WB	EB	IN	SB
D	D	E	C	C	D	C	C	D	C	C	D	C	D	C
M	E	M	D	C	C	D	D	F	D	D	C	D	D	D
44.2	29.0	39.5	42.8	17.1	15.3	16.9	41.2	19.9	25.0	30.5	19.3	16.7	29.7	26.3
48.3	36.6	48.4	61.6	21.6	19.8	22.3	45.0	25.3	30.3	36.9	25.1	21.6	35.9	32.5
52.0	37.1	51.0	64.1	21.8	20.1	22.4	45.0	24.5	29.4	37.8	23.3	21.0	35.5	33.1
43.8	31.2	42.2	47.9	17.7	15.9	17.8	43.2	21.3	26.1	32.1	21.0	18.0	30.9	28.9
42.3	46.6	43.8	39.2	21.6	18.2	20.6	40.2	31.1	34.3	38.5	34.2	22.4	38.4	31.1
56.3	54.4	70.0	46.1	24.7	20.0	24.3	45.4	44.2	70.9	45.0	51.2	28.8	46.1	36.9
63.0	57.5	70.3	46.1	25.4	20.4	24.9	45.0	47.4	92.0	45.8	52.2	29.8	49.1	40.0
45.8	47.5	44.6	39.8	21.8	18.3	20.8	41.3	31.2	37.4	37.2	34.5	22.6	36.7	28.3
375	200	100	225	275	125	50	150	175	300	300	300	225	300	225
475	275	150	300	375	150	75	175	225	375	425	425	275	425	275
500	275	150	300	375	150	75	175	225	375	425	425	275	425	275
400	200	125	225	300	125	50	150	175	300	300	300	225	300	225
325	350	200	175	200	300	50	300	400	800	800	325	225	325	225
450	400	225	225	250	325	75	475	475	875	400	400	250	400	250
550	475	225	225	225	350	75	525	450	900	375	375	250	375	250
375	325	200	175	200	275	75	325	350	725	300	300	175	300	175
841	835	1283	1457	1470	413	71	161	392	678	1402	1402	595	595	900-4500
1133	1143	1785	1987	2018	569	97	219	533	935	1895	1895	815	815	4500-8100
1151	1142	1817	2017	2013	563	100	216	535	926	1935	1935	809	809	8100-11700
1085	1065	1676	1893	1888	528	93	203	498	867	1814	1814	759	759	11700-15300
757	939	2447	1442	650	1162	87	360	725	1089	1143	1143	283	283	900-4500
889	1120	2903	1727	829	1396	100	422	858	1282	1353	1353	342	342	4500-8100
894	1120	2951	1739	825	1381	100	428	858	1304	1374	1374	341	341	8100-11700
856	1048	2759	1637	777	1301	93	401	803	1216	1293	1293	319	319	11700-15300
818	848	1334	1467	1496	420	74	162	398	693	1408	1408	604	604	900-4500
1110	1150	1810	1989	2030	570	100	220	540	940	1910	1910	819	819	4500-8100
1097	1137	1790	1968	2007	564	99	218	534	930	1888	1888	811	811	8100-11700
1028	1065	1676	1842	1879	528	93	204	500	870	1768	1768	759	759	11700-15300
737	950	2501	1459	704	1179	85	365	729	1102	1145	1145	289	289	900-4500
870	1120	2950	1720	830	1390	100	430	860	1300	1350	1350	340	340	4500-8100
868	1118	2943	1716	828	1387	100	429	858	1297	1347	1347	339	339	8100-11700
812	1045	2753	1605	775	1297	93	401	803	1213	1260	1260	317	317	11700-15300
102.8	98.5	96.2	99.4	98.3	98.2	95.8	99.4	98.4	97.8	99.6	99.6	98.5	98.5	99.8
102.0	99.5	98.6	99.9	99.4	99.8	97.3	99.8	98.6	99.4	99.2	99.2	99.5	99.5	99.9
104.9	100.5	101.5	102.5	100.3	99.9	101.7	99.5	100.2	99.6	102.5	102.5	99.8	99.8	97.9
105.6	100.1	100.0	102.7	100.5	100.0	100.6	99.5	100.4	98.2	99.7	99.7	100.2	100.2	100.5
103.0	100.2	100.3	101.4	99.6	99.6	100.3	99.7	99.7	99.5	100.5	100.5	102.0	102.0	100.5
105.5	100.2	100.2	102.0	100.3	100.3	99.2	99.8	100.0	100.3	102.6	102.6	100.4	100.4	100.4
2.4	0.2	0.6	1.0	0.3	0.2	0.2	0.1	0.3	0.5	0.9	0.9	0.3	0.3	GEH
1.9	0.1	0.8	0.6	0.3	0.2	0.0	0.4	0.1	0.3	0.9	0.9	0.0	0.0	

Salt Lake City Option A										@ 1000 N I-15									
IN		NB	WB	EB	IN		SB	NB	IN	SB	NB	IN	VB	EB	IN	S			
C	D	C	D	B	B		B	B	B	C	T	C	T	E	T	D	T	E	D
C	D	C	D	B	B		B	B	B	C	T	C	T	D	T	D	T	E	D
27.6	30.8	28.5	35.3	9.9	8.1	8.6	12.5	30.7	24.4	24.6	54.8	40.6	38.9	900-4500					
33.9	37.9	28.6	42.6	16.4	11.1	10.8	25.6	45.2	27.6	42.1	69.4	68.6	48.7	4500-8100					
34.2	37.9	28.9	36.4	42.9	15.6	10.6	10.7	24.0	72.4	28.3	141.7	69.2	67.3	51.1	8100-11700				
28.4	31.3	24.3	29.6	37.9	10.7	8.6	8.8	14.1	57.1	25.6	99.9	60.6	44.5	41.4	11700-15300				
31.6	36.0	27.9	31.1	40.7	15.3	13.6	18.3	11.0	68.5	22.8	102.9	54.4	73.9	59.6	4500-8100				
32.0	36.6	29.2	31.2	42.4	15.0	13.8	17.7	10.8	103.8	22.7	184.1	52.2	74.4	61.6	8100-11700				
27.4	32.9	25.3	25.0	39.3	10.7	12.1	11.9	8.3	108.7	21.0	199.5	44.6	55.3	44.5	11700-15300				
300	125	350	175	150	150	125	150	150	125	250	200	150	200	200	900-4500				
400	175	475	325	225	200	150	300	200	150	300	250	200	250	250	4500-8100				
375	150	450	325	225	175	150	250	175	150	300	250	200	250	250	8100-11700				
275	125	375	200	150	150	125	175	125	150	250	225	175	225	225	11700-15300				
200	150	375	175	75	375	150	300	300	150	300	600	250	150	250	900-4500				
250	175	475	250	100	525	200	375	200	150	375	150	250	250	175	4500-8100				
225	200	500	250	100	500	200	375	200	100	375	1000	225	150	200	900-4500				
200	150	350	175	75	350	150	375	150	150	375	1000	225	150	200	900-4500				
604	196	422	844	909	517	831	1030	831	1030	636	237	951	900-4500						
827	262	586	1145	1247	708	1123	1403	888	1290	888	339	1290	900-4500						
820	265	580	1139	1235	714	1126	1399	902	1399	902	343	1298	900-4500						
768	245	545	1065	1157	664	1050	1307	840	1307	840	316	1210	900-4500						
446	292	1226	849	274	1272	747	991	1245	548	743	991	1245	548	743	900-4500				
526	348	1479	988	325	1514	884	1176	1474	639	880	1176	1474	639	880	900-4500				
525	345	1458	992	327	1518	879	1177	1528	644	878	1177	1528	644	878	900-4500				
492	323	1380	926	305	1425	824	1102	1427	606	826	1102	1427	606	826	900-4500				
612	214	435	884	921	531	848	1040	707	707	707	707	921	707	921	900-4500				
830	290	590	1200	1250	720	1150	1410	960	1410	960	340	1250	960	340	900-4500				
768	269	546	1111	1157	667	1065	1305	889	1305	889	315	1157	1305	889	900-4500				
449	322	1255	873	280	1297	763	1001	1365	551	695	1001	1365	551	695	900-4500				
530	380	1480	1030	330	1530	900	1180	1610	650	820	1180	1610	650	820	900-4500				
529	379	1476	1028	329	1526	898	1177	1606	648	818	1177	1606	648	818	900-4500				
495	355	1381	961	308	1428	840	1101	1503	607	765	1101	1503	607	765	900-4500				
98.7	91.6	97.0	95.5	98.7	97.4	98.0	99.1	89.9	94.7	99.1	89.9	94.7	99.1	89.9	900-4500				
99.6	90.2	99.3	95.4	99.8	98.3	97.7	99.5	92.5	99.6	99.5	92.5	99.6	99.5	92.5	900-4500				
100.0	92.3	99.4	96.0	100.0	100.4	99.0	100.3	95.1	101.9	100.3	95.1	101.9	100.3	95.1	100.3				
99.9	91.4	99.8	95.9	100.0	99.7	98.7	100.1	94.5	100.4	100.1	94.5	100.4	100.1	94.5	100.4				
99.3	90.8	97.7	97.2	97.9	98.0	97.9	99												

600 N 300 W @		600 N 900 W @		600 N 800 W @		Intersection Name			
IN	SB	NB	WB	IN	NB	WB	EB	Approach	Worst Case LOS
C	C	C	B	W	C	A	T	AM	Worst Case LOS
29.5	14.2	26.2	13.3	12.1	13.4	9.1	5.8	9.1	-
30.1	20.9	33.6	16.7	18.7	21.4	35.8	6.3	35.8	-
29.5	20.6	33.6	16.1	18.1	21.4	195.9	6.1	195.9	-
29.4	14.6	26.0	13.4	12.7	13.9	18.4	5.9	18.4	-
35.5	20.1	26.6	21.3	16.7	21.3	9.1	7.0	9.1	-
39.8	25.5	31.7	23.9	22.0	28.6	49.5	5.9	49.5	-
40.9	26.0	30.3	23.9	23.5	28.7	82.3	6.6	82.3	-
38.5	19.5	26.0	19.7	16.8	20.5	8.6	5.7	8.6	-
325	125	75	150	200	25	100	50	50	6:00:00 PM
525	175	125	250	350	50	325	100	325	11700-15300
425	175	100	250	375	25	1075	100	400	9:00:00 AM
375	125	75	150	200	25	125	50	75	9:00:00 AM
400	125	75	175	350	25	100	100	225	3:00:00 PM
525	150	200	425	450	25	250	125	375	4:00:00 PM
600	150	200	475	500	25	450	100	525	5:00:00 PM
425	125	75	175	300	25	100	75	175	6:00:00 PM
946	200	310	754	652	34	149	825	930	6:00:00 AM
1295	277	429	1024	900	48	185	1116	1272	7:00:00 AM
1328	279	428	1032	888	48	203	1117	1279	8:00:00 AM
1144	243	372	896	545	42	171	970	1110	9:00:00 AM
715	294	536	1097	937	8	106	1216	1078	3:00:00 PM
842	348	643	1303	1105	8	128	1443	1293	4:00:00 PM
845	343	633	1303	1109	8	129	1436	1284	5:00:00 PM
793	325	597	1229	900	8	120	1356	1208	6:00:00 PM
973	206	317	767	663	37	148	833	944	6:00:00 AM
1320	280	430	1040	900	50	200	1130	1280	7:00:00 AM
1305	277	425	1028	890	50	198	1118	1266	8:00:00 AM
1222	260	398	963	710	47	185	1046	1185	9:00:00 AM
713	297	542	1110	941	9	111	1229	1093	3:00:00 PM
840	350	640	1310	1110	10	130	1450	1290	4:00:00 PM
837	349	639	1307	1108	10	130	1446	1287	5:00:00 PM
784	327	597	1222	891	9	121	1353	1204	6:00:00 PM
97.3	96.9	98.0	98.3	98.3	92.2	100.8	99.1	98.6	6:00:00 AM
98.1	99.1	99.9	98.5	100.0	95.9	92.7	98.8	99.4	7:00:00 AM
101.8	100.9	100.6	100.4	99.8	95.3	102.4	99.9	101.1	8:00:00 AM
93.6	93.6	93.4	93.1	76.8	89.7	92.1	92.7	93.7	9:00:00 AM
100.3	98.9	98.9	98.8	99.5	92.6	96.2	98.9	98.6	3:00:00 PM
100.2	99.4	100.4	99.5	99.6	78.0	98.2	99.5	100.3	4:00:00 PM
100.9	98.3	99.1	99.8	100.1	82.0	100.0	99.3	99.8	5:00:00 PM
101.2	99.5	100.0	100.5	101.0	85.4	99.4	100.2	100.4	6:00:00 PM
1.6	0.7	0.8	1.5	3.2	0.9	0.9	1.5	1.2	AM
0.4	0.4	0.2	0.2	0.0	1.0	0.3	0.4	0.1	PM

Salt Lake City Option B											
I-15 N @ Beck St Z 1800		@ 1800		600 N 400 W @		600 N 400 W @		600 N 400 W @		600 N 400 W @	
WB		IN		SB		NB		WB		IN	
D	D	C	C	D	C	C	D	C	C	D	F
D	D	B	C	E	F	D	E	D	F	E	F
30.3	31.6	21.1	20.9	19.4	18.1	16.6	31.2	16.5	15.7	33.4	27.1
36.0	41.4	30.0	27.4	35.0	23.8	20.1	40.5	22.2	20.6	41.7	33.1
35.1	44.9	29.6	26.2	35.6	24.4	20.8	42.1	22.3	21.3	44.2	33.3
32.7	33.3	22.7	22.3	21.4	19.4	17.8	34.3	17.9	16.5	34.7	29.6
41.5	32.8	25.4	13.9	28.2	22.6	32.7	35.9	43.7	34.6	24.2	43.3
48.1	39.4	34.6	16.6	41.0	29.1	53.1	79.5	51.1	64.3	36.3	86.5
46.9	41.3	37.8	16.9	46.3	29.6	60.2	84.8	51.9	70.5	47.7	111.1
41.4	31.8	24.5	13.2	27.6	21.5	35.9	44.1	45.9	39.0	25.3	94.1
275	625	375	125	175	75	200	300	300	300	225	200
350	975	550	125	650	100	275	425	475	475	300	275
375	1725	525	125	550	100	275	425	600	600	300	275
300	750	375	125	200	100	200	325	325	325	250	225
475	750	125	550	225	350	375	825	250	250	375	1150
575	900	150	925	450	500	450	1075	1075	1350	375	1350
550	1075	150	975	450	500	450	1075	1075	1350	701	4500-8100
475	750	125	425	200	375	375	900	900	1350	421	8100-11700
1135	1034	1005	393	743	124	386	701	1528	1528	623	900-4500
1543	1395	1395	536	1001	169	521	960	2097	2097	857	4500-8100
1561	1438	1392	533	1013	166	528	960	2141	2141	849	8100-11700
1348	1240	1219	465	876	145	455	835	1850	1850	745	11700-15300
2015	1125	2666	1077	734	352	647	1157	1223	1223	323	900-4500
2359	1356	319	1274	861	419	766	1327	1468	1468	390	4500-8100
2351	1354	317	1275	871	412	770	1320	1475	1475	388	8100-11700
2259	1275	299	1195	809	392	721	1286	1381	1381	363	11700-15300
1157	1054	1039	398	752	125	391	715	1577	1577	634	900-4500
1570	1430	1410	540	1020	170	530	970	2140	2140	860	4500-8100
1553	1414	1395	534	1008	169	524	959	2116	2116	851	8100-11700
1454	1324	1305	500	944	157	491	898	1981	1981	796	454
2069	1153	272	1086	738	357	653	1187	1246	1246	331	900-4500
2440	1360	320	1280	870	420	770	1400	1470	1470	390	4500-8100
2434	1357	319	1277	868	419	768	1397	1466	1466	389	8100-11700
2277	1269	299	1194	812	392	719	1306	1372	1372	364	11700-15300
98.2	98.1	96.8	98.9	98.8	99.2	99.0	99.2	98.1	98.1	98.3	99.9
98.3	97.5	99.0	99.3	98.1	99.7	99.7	98.3	98.9	98.9	99.6	96.6
100.5	101.8	99.8	99.8	100.5	98.5	100.8	100.1	101.2	101.2	99.8	102.7
92.8	93.7	93.4	92.9	92.8	92.1	92.8	93.0	93.4	93.4	93.5	92.7
97.4	97.6	98.1	99.2	99.5	98.7	99.0	97.5	98.1	98.1	97.5	100.0
96.7	99.7	99.7	99.6	99.0	99.7	99.7	99.5	94.8	94.8	100.0	97.2
96.6	99.8	99.2	99.9	100.3	98.3	100.2	94.5	100.6	100.6	99.8	100.8
99.2	100.4	100.2	100.1	99.7	99.9	100.3	98.5	100.6	100.6	99.9	99.9
1.9	1.6	1.9	1.0	1.5	0.7	1.0	1.5	2.2	2.2	1.2	0.9
2.5	0.4	0.2	0.2	0.2	0.3	0.1	2.8	0.1	0.2	0.4	4.4



Salt Lake City Option A-Alt											
											Intersection Name
											≤ 600 N @ 300
		S									≤ 600 N @ 900
											≤ 600 N @ 900
NB	WB	EB	IN	SB	NB	WB	EB	IN	SB	NB	WB
D	E	○	B	○	B	○	B	○	B	A	EB
D	F	○	B	○	C	○	B	○	C	A	Approach
37.4	47.4	21.9	11.9	19.9	12.8	9.5	11.1	7.7	5.6	7.7	-
39.9	66.3	24.7	15.1	23.5	14.8	13.3	14.2	9.4	6.0	9.4	-
40.2	66.3	26.4	15.1	23.7	14.2	13.6	14.4	9.4	5.9	9.4	-
37.8	46.5	22.9	12.3	20.3	12.6	9.8	12.3	7.7	6.0	7.7	-
38.2	63.1	30.0	16.0	24.0	17.7	13.1	16.2	7.0	5.7	7.0	-
42.7	87.2	31.1	19.6	25.9	19.8	17.1	20.7	7.7	5.6	7.7	-
44.6	126.2	32.4	19.5	26.1	20.1	16.7	20.7	8.0	5.7	8.0	-
37.1	65.9	30.4	15.3	22.8	17.4	12.7	15.3	6.8	5.7	6.8	-
200	450	275	100	75	125	125	125	25	100	50	25
275	725	350	125	100	200	200	200	50	125	75	50
275	675	400	125	100	200	225	200	50	100	75	50
225	425	300	100	75	150	150	150	25	100	50	25
425	500	300	100	150	225	225	225	25	75	50	25
575	650	375	125	175	300	300	300	25	100	100	50
575	850	375	125	175	325	325	325	25	100	100	50
375	475	325	100	150	200	200	200	25	75	75	25
498	327	912	190	283	610	523	523	34	139	691	709
679	443	1254	259	389	861	717	717	48	189	971	970
682	452	1277	257	387	856	711	711	48	186	967	958
638	416	1193	241	361	799	569	569	45	175	899	902
1119	314	702	232	436	973	768	768	8	108	1090	878
1294	368	839	279	519	1172	909	909	8	127	1309	1054
1330	361	842	278	516	1165	905	905	8	128	1303	1054
509	332	929	192	287	627	531	531	37	140	707	715
690	450	1260	260	390	850	720	720	50	190	960	970
682	446	1246	257	386	841	712	712	50	188	950	959
639	417	1167	241	361	787	568	568	47	176	889	898
1119	315	703	238	441	983	772	772	9	111	1102	890
1320	370	830	280	520	1160	910	910	10	130	1300	1050
1317	369	828	279	519	1157	908	908	10	130	1297	1047
1232	345	775	261	486	1083	730	730	9	121	1213	980
97.9	98.6	98.2	99.2	98.4	97.3	98.5	98.5	92.5	99.3	97.7	99.1
98.5	98.4	99.5	99.5	99.7	101.3	99.7	99.7	95.8	99.5	101.2	100.0
100.0	101.4	102.5	100.1	100.2	101.9	99.8	99.8	95.7	99.1	101.8	99.9
99.9	99.8	102.2	100.2	100.0	101.5	100.2	100.2	97.0	99.4	101.2	100.4
100.0	99.9	99.8	97.8	98.8	99.0	99.6	99.6	92.6	97.5	99.0	98.7
98.0	99.5	101.1	99.8	99.7	101.0	99.9	99.9	79.0	97.9	100.7	100.4
101.0	97.8	101.7	99.6	99.3	100.7	99.7	99.7	81.0	98.9	100.5	100.7
99.9	99.6	102.2	100.2	99.7	101.6	100.8	100.8	85.4	98.9	101.3	100.5
0.4	0.2	0.5	0.1	0.1	0.4	0.2	0.2	0.6	0.2	0.1	AM
0.2	0.3	0.7	0.2	0.3	0.4	0.0	0.0	1.0	0.4	0.3	PM

Salt Lake City Option A-Alt												Percent Served		GEH	
												600 N @ 400 N <= 600 N			
												S			
SB	NB	WB	IN	SB	NB	EB	IN	SB	NB	WB	EB	IN	SB	Worst Case LOS	
D	D	D	E	C	C	C	D	C	C	D	C	C	D	C	D
E	E	E	D	C	C	C	D	E	F	D	E	C	D	C	D
44.3	28.1	40.2	43.1	17.1	15.3	16.9	41.2	19.1	21.0	29.3	18.4	16.4	29.8	25.8	900-4500
52.5	36.2	50.2	60.7	21.6	19.8	22.3	45.0	24.1	24.9	36.0	23.1	21.1	35.7	32.4	4500-8100
51.6	36.1	51.1	61.0	21.8	20.1	22.4	45.0	23.3	24.0	35.5	21.2	20.9	36.5	32.9	8100-11700
45.1	29.9	41.0	46.9	17.7	15.9	17.8	43.2	20.4	22.5	32.1	19.5	17.3	30.7	28.7	11700-15300
40.7	46.6	43.5	38.9	21.6	18.2	20.6	40.2	32.1	42.7	40.3	33.3	22.2	38.2	30.8	900-4500
57.2	55.3	64.2	46.0	24.7	20.0	24.3	45.4	54.3	48.0	48.0	54.8	29.6	44.4	37.0	4500-8100
64.4	57.4	69.1	46.5	25.4	20.4	24.9	45.0	58.8	175.9	46.9	58.6	30.5	50.8	41.3	8100-11700
44.4	47.5	45.1	38.5	21.8	18.3	20.8	41.3	34.8	63.3	37.5	34.0	24.5	37.9	28.7	11700-15300
375	200	125	225	275	125	50	125	175	300	275	300	275	300	225	900-4500
575	275	150	300	375	150	75	150	225	375	400	375	400	375	300	300
525	275	175	300	375	150	75	150	225	375	425	375	425	375	275	275
400	200	125	225	300	125	50	125	200	300	300	300	300	300	225	225
300	350	200	200	300	200	50	375	375	800	300	300	300	300	200	200
475	425	225	225	325	75	600	475	875	400	475	875	400	475	250	250
525	450	225	225	350	75	625	475	925	400	475	925	400	475	250	250
350	325	200	175	200	275	75	475	375	800	350	350	350	350	175	175
815	838	1289	1446	1470	413	71	161	393	678	1386	678	1386	594	594	900-4500
1134	1140	1781	1983	2018	569	97	219	534	931	1392	817	1392	817	817	4500-8100
1131	1140	1814	2005	2013	563	100	216	534	932	1922	809	1922	809	809	8100-11700
1065	1064	1674	1876	1888	528	93	203	499	865	1796	760	1796	760	760	11700-15300
747	940	2446	1434	690	1162	87	358	729	1081	1129	283	1129	283	283	900-4500
888	1120	2904	1727	829	1396	100	417	850	1291	1361	341	1361	341	341	4500-8100
900	1118	2932	1743	825	1381	100	419	859	1291	1371	340	1371	340	340	8100-11700
839	1046	2759	1626	777	1301	93	399	800	1220	1283	319	1283	319	319	11700-15300
818	848	1334	1467	1496	420	74	162	398	693	1408	604	1408	604	604	900-4500
1110	1150	1810	1989	2030	570	100	220	540	940	1910	819	1910	819	819	4500-8100
1097	1137	1790	1968	2007	564	99	218	534	930	1888	811	1888	811	811	8100-11700
1028	1065	1676	1842	1879	528	93	204	500	870	1768	759	1768	759	759	11700-15300
737	950	2501	1459	704	1179	85	365	729	1102	1145	289	1145	289	289	900-4500
870	1120	2950	1720	830	1390	100	430	860	1300	1350	340	1350	340	340	4500-8100
868	1118	2943	1716	828	1387	100	429	858	1297	1347	339	1347	339	339	8100-11700
812	1045	2753	1605	775	1297	93	401	803	1213	1260	317	1260	317	317	11700-15300
99.6	98.9	96.7	98.6	98.3	98.3	95.8	99.6	98.7	97.8	98.4	98.3	98.4	98.3	98.3	
103.1	100.3	101.4	101.9	100.3	99.9	101.7	99.3	100.0	100.2	101.8	99.8	101.8	99.8	99.8	
103.6	99.9	99.9	101.9	100.5	100.0	100.6	99.7	99.7	99.4	101.6	100.1	101.6	100.1	100.1	
101.3	99.0	97.8	98.3	98.1	98.6	102.1	98.2	100.1	98.1	98.6	98.0	98.6	98.0	98.0	
103.7	100.0	99.6	101.6	99.6	99.6	100.3	97.6	100.1	99.6	101.8	100.2	101.8	100.2	100.2	
103.3	100.1	100.2	101.3	100.3	100.3	99.2	99.5	99.7	100.5	101.8	100.4	101.8	100.4	100.4	
1.4	0.3	0.6	0.5	0.3	0.2	0.2	0.1	0.3	0.5	0.3	0.2	0.3	0.2	0.2	
1.5	0.1	1.0	0.4	0.3	0.2	0.0	0.8	0.2	0.4	0.6	0.1	0.6	0.1	0.1	

Salt Lake City Option A-Alt											
@ 2300 N Beck St		2300 N Beck St		2300 N Beck St		2300 N Beck St		2300 N Beck St		2300 N Beck St	
@ 15		@ 15		@ 15		@ 15		@ 15		@ 15	
EB	IN	SB	NB	EB	IN	SB	NB	WB	EB	IN	SB
D	B	B	C	D	C	C	C	E	E	A	C
D	B	B	B	C	C	C	C	E	C	A	B
35.3	9.9	8.1	8.6	12.5	34.3	24.8	34.5	53.9	42.4	8.8	4.6
42.6	16.4	11.1	10.8	25.6	43.9	28.0	43.9	66.7	59.9	12.4	6.5
42.9	15.6	10.6	10.7	24.0	43.2	28.8	42.9	63.7	58.2	12.2	6.3
37.9	10.7	8.6	8.8	14.1	37.1	26.2	36.8	58.7	47.0	9.3	4.8
39.8	11.4	11.9	13.0	8.5	24.4	19.7	22.0	50.7	24.8	8.3	5.4
40.7	15.3	13.6	18.3	11.0	26.7	21.3	24.1	55.4	27.3	9.6	6.2
42.4	15.0	13.8	17.7	10.8	26.2	20.8	23.7	54.8	26.5	9.6	6.1
39.3	10.7	12.1	11.9	8.3	24.0	19.4	22.4	47.4	23.9	7.9	5.1
175		150	150	125		275	300	225	225	0	75
325		225	200	150		350	425	275	250	25	100
325		225	175	150		375	400	250	250	50	75
200		150	175	125		275	325	250	225	0	75
175		75	375	150		250	275	150	100	125	75
250		100	525	200		300	350	125	150	150	75
250		100	500	200		300	350	150	125	150	75
175		75	350	150		225	300	100	100	100	75
844		909	517	831		1028	661	238	960	388	106
1145		1247	708	1123		1401	934	337	1323	539	137
1139		1235	714	1126		1402	957	341	1305	554	137
1065		1157	664	1050		1306	888	315	1231	508	129
849		274	1272	747		996	1327	541	741	624	144
988		325	1514	884		1181	1574	641	882	728	168
992		327	1518	879		1171	1609	643	887	743	166
926		305	1425	824		1101	1507	606	826	696	156
884		921	531	848		1040	707	250	921	405	103
1200		1250	720	1150		1410	960	340	1250	550	140
1186		1236	712	1137		1394	949	337	1236	544	139
1111		1157	667	1065		1305	889	315	1157	509	130
873		280	1297	763		1001	1365	551	695	628	144
1030		330	1530	900		1180	1610	650	820	740	170
1028		329	1526	898		1177	1606	648	818	738	169
961		308	1428	840		1101	1503	607	765	691	159
95.5		98.7	97.4	98.0		98.9	93.5	95.0	104.3	95.7	102.9
95.4		99.8	98.3	97.7		99.3	97.3	99.2	105.8	97.9	98.1
96.0		100.0	100.4	99.0		100.5	100.9	101.4	105.6	101.9	98.5
95.9		100.0	99.7	98.7		100.1	99.9	100.0	106.4	99.8	99.2
97.2		97.9	98.0	97.9		99.5	97.3	98.3	106.6	99.4	99.5
95.9		98.4	99.0	98.2		100.0	97.8	98.5	107.6	98.4	98.7
96.6		99.3	99.5	97.9		99.5	100.2	99.3	108.4	100.7	98.0
96.3		99.1	99.8	98.2		100.0	100.3	99.9	107.9	100.8	98.5
2.9		0.2	0.5	1.1		0.2	1.1	0.3	3.7	0.4	0.1
2.2		0.5	0.7	1.1		0.2	0.8	0.5	4.2	0.1	0.3

Salt Lake City Option A-Alt										Worst Case LOS										Percent Served										GEH									
IN					SB					NB					WB					C					D					C					GEH				
Worst Case LOS					C					D					C					C					C					C					GEH				
900-4500					27.6					30.8					23.9					28.5					900-4500					900-4500									
4500-8100					33.9					37.9					28.6					34.9					4500-8100					4500-8100									
8100-11700					34.2					37.9					28.9					36.4					8100-11700					8100-11700									
11700-15300					28.4					31.3					24.3					29.6					11700-15300					11700-15300									
900-4500					28.2					34.8					26.0					25.8					900-4500					900-4500									
4500-8100					31.6					36.0					27.9					31.1					4500-8100					4500-8100									
8100-11700					32.0					36.6					29.2					31.2					8100-11700					8100-11700									
11700-15300					27.4					32.9					25.3					25.0					11700-15300					11700-15300									
900-4500					300					125					350					350					900-4500					900-4500									
4500-8100					400					175					475					586					4500-8100					4500-8100									
8100-11700					820					265					580					580					8100-11700					8100-11700									
11700-15300					768					245					545					545					900-4500					900-4500									
900-4500					446					292					1226					1226					900-4500					900-4500									
4500-8100					526					348					1479					1479					4500-8100					4500-8100									
8100-11700					525					345					1458					1458					8100-11700					8100-11700									
11700-15300					492					323					1380					1380					900-4500					900-4500									
900-4500					612					214																													

Salt Lake City Option A2												Percent Served			
600 N @ 400 ≤						600 N @ 300 ≤									
S	S	S	S	S	S	S	S	S	S	S	S				
EB	IN	SB	NB	WB	EB	IN	SB	NB	WB	EB	IN	SB	NB	WB	
D	C	C	D	C	D	C	D	D	D	D	T	C	B	B	
D	D	F	D	C	D	D	D	D	D	T	C	B	C	B	
42.2	19.3	20.7	29.6	18.5	16.6	30.0	25.6	36.9	46.7	23.1	11.7	18.9	12.4	9.0	900-4500
45.4	24.3	25.1	36.3	23.8	21.1	35.0	32.6	39.7	62.9	24.3	15.2	24.4	14.7	13.0	4500-8100
46.8	23.7	23.5	36.5	22.8	20.7	35.7	33.0	39.4	64.6	25.1	15.2	24.0	14.3	13.6	8100-11700
43.2	21.0	22.6	32.0	20.7	17.9	30.8	28.8	37.7	47.0	22.9	12.3	19.6	12.6	10.0	11700-15300
41.9	30.6	34.7	37.3	33.4	22.1	38.6	31.2	37.8	65.2	31.1	16.2	22.9	17.7	13.9	900-4500
46.0	44.7	70.8	45.9	52.1	29.0	44.3	37.7	40.5	96.4	30.0	19.7	26.1	19.8	17.5	4500-8100
45.1	48.2	98.3	45.9	53.5	29.0	49.7	39.4	43.5	124.8	31.3	19.9	26.0	19.9	17.4	8100-11700
44.0	31.7	40.6	38.0	34.3	22.3	37.9	28.9	38.0	65.2	29.6	15.8	22.7	17.5	13.5	11700-15300
50	100	175	300	300	200	225	200	200	450	300	100	75	125		
50	175	250	400	400	275	275	275	275	675	350	125	100	200		
50	150	225	375	400	275	275	275	275	700	375	125	100	200		
50	125	175	300	350	225	225	225	225	400	300	100	75	125		
50	300	400	800	325	225	400	500	500	500	350	100	150	250		
75	500	475	900	375	250	525	700	700	375	125	100	75	175	350	
75	550	475	900	375	250	575	875	875	875	375	125	175	350		
50	325	375	775	350	175	400	475	400	475	300	100	125	225		
71	162	392	675	1395	593	499	327	925	925	327	190	284	610	900-4500	
97	219	536	932	1904	817	681	443	1262	1262	443	258	388	865	4500-8100	
100	216	533	929	1929	809	679	451	1279	1279	451	257	386	859	8100-11700	
86	189	464	808	1679	711	596	385	1110	1110	385	225	336	747	11700-15300	
87	360	724	1089	1132	283	1119	314	702	702	314	232	435	972	900-4500	
99	422	855	1286	1357	341	1295	369	839	839	369	279	519	1172	4500-8100	
100	427	859	1289	1364	341	1330	362	837	837	362	278	514	1163	8100-11700	
87	375	750	1136	1202	297	1147	323	744	744	323	245	452	1029	11700-15300	
74	162	398	693	1408	604	509	332	929	929	509	192	287	627	900-4500	
100	220	540	940	1910	819	690	450	1260	1260	450	260	390	850	4500-8100	
99	218	534	930	1888	811	682	446	1246	1246	811	257	386	841	8100-11700	
93	204	500	870	1768	759	639	417	1167	1167	759	241	361	787	11700-15300	
85	365	729	1102	1145	289	1119	315	703	703	289	238	441	983	900-4500	
100	430	860	1300	1350	340	1320	370	830	830	370	280	520	1160	4500-8100	
100	429	858	1297	1347	339	1317	369	828	828	1317	279	519	1157	8100-11700	
93	401	803	1213	1260	317	1232	345	775	775	1232	261	486	1083	11700-15300	
95.3	100.3	98.5	97.4	99.1	98.3	98.0	98.7	99.6	99.6	98.3	99.4	98.7	97.4		
97.4	99.6	99.2	99.2	99.7	99.7	99.7	98.7	98.5	100.1	99.6	99.4	99.5	101.8		
101.5	99.3	99.8	99.9	102.1	99.8	99.6	101.3	102.7	102.7	101.3	100.0	100.0	102.2		
93.3	92.8	92.8	92.8	94.9	94.9	93.6	93.3	92.4	95.1	93.3	93.1	94.9			
102.7	98.7	99.4	98.8	98.9	98.2	100.0	99.7	99.8	99.8	99.7	97.9	98.7	98.9		
99.2	98.2	99.5	98.9	100.5	100.2	98.1	99.6	101.1	101.1	99.6	99.5	99.8	101.1		
100.3	99.5	100.0	99.4	101.2	100.4	101.0	98.0	101.1	101.1	99.6	99.0	99.0	100.6		
93.2	93.5	93.4	93.7	95.4	93.8	93.1	93.6	96.1	96.1	93.7	93.2	95.0			
0.6	0.6	1.1	1.5	0.8	1.2	1.3	0.9	0.4	0.4	0.6	0.8	0.4			
0.2	1.0	1.1	1.6	0.7	0.6	1.4	0.9	0.2	0.2	0.7	1.0	0.7			

		Salt Lake City Option A2										Percent Served	
		@ 900 W N HDI					@ 600 N D I-15						
S		S					S					GEH	
NB	EB	IN	SB	NB	WB	EB	IN	SB	NB	WB	EB	IN	NB
B	A	B	A	B	A	B	D	D	D	E	E	C	C
B	A	A	B	A	A	B	E	E	M	D	M	C	C
14.6	7.5	10.1	8.9	7.9	8.7	11.5	39.1	44.0	28.5	40.8	42.7	16.8	16.8
18.6	9.0	13.9	11.1	9.9	10.8	16.9	50.2	51.7	36.2	49.8	63.1	22.1	22.4
18.8	9.0	13.6	11.3	9.2	10.9	16.3	50.8	50.5	37.1	52.3	63.1	21.9	22.3
16.0	7.9	10.7	9.6	7.9	8.8	12.2	40.6	44.6	29.9	40.6	47.0	17.3	17.4
9.7	8.2	7.3	9.3	5.2	7.9	43.2	43.6	46.5	43.4	38.7	21.8	17.9	21.2
11.2	8.7	8.5	8.4	11.1	5.7	9.1	60.5	65.3	54.6	68.4	46.2	24.9	20.6
9.5	7.9	7.1	6.9	8.7	5.1	7.7	45.7	53.2	47.2	44.9	38.9	22.2	19.0
11.2	8.4	8.5	8.2	10.6	6.0	9.2	63.2	75.9	57.1	69.3	46.5	25.2	24.7
175	300	200	50	50	250	350	200	100	225	225	275	125	900-4500
250	400	250	75	75	550	550	250	150	325	325	375	150	4500-8100
250	425	250	50	75	475	525	275	175	300	300	375	150	8100-11700
200	300	200	50	50	275	400	200	125	225	225	275	125	11700-15300
250	175	100	50	125	200	350	200	175	200	175	200	275	900-4500
325	200	125	50	125	275	550	400	225	225	225	250	350	4500-8100
300	200	125	50	150	250	825	450	225	225	225	250	350	8100-11700
275	175	100	50	100	175	500	325	175	175	175	200	275	11700-15300
667	975	520	106	66	706	836	835	1282	1457	1457	1471	415	900-4500
938	1328	711	138	98	965	1144	1144	1141	1788	1999	2014	567	4500-8100
949	1313	711	137	102	960	1145	1140	1813	2006	2006	2016	564	8100-11700
825	1149	616	120	86	835	997	992	1561	1751	1751	1756	491	11700-15300
1326	748	404	143	249	649	745	940	2450	1430	1430	693	1161	900-4500
1577	882	484	168	294	768	887	1120	2905	1724	1724	825	1399	4500-8100
1619	885	484	166	295	769	888	1122	2942	1730	1730	827	1379	8100-11700
1410	773	421	146	262	673	784	980	2584	1521	1521	727	1217	11700-15300
708	922	517	103	74	656	818	848	1334	1467	1467	1496	420	900-4500
960	1250	700	140	100	890	1110	1150	1810	1989	1989	2030	570	4500-8100
949	1236	692	139	99	880	1097	1137	1790	1968	1968	2007	564	8100-11700
889	1157	648	130	92	824	1028	1065	1676	1842	1842	1879	528	11700-15300
1365	695	399	144	254	594	737	950	2501	1459	1459	704	1179	900-4500
1610	820	470	170	300	700	870	1120	2950	1720	1720	830	1390	4500-8100
1606	818	469	169	299	698	868	1118	2943	1716	1716	828	1387	8100-11700
1502	765	439	159	280	653	812	1045	2753	1605	1605	775	1297	11700-15300
94.3	105.8	100.8	103.0	90.1	107.6	102.3	98.5	96.1	99.4	99.4	98.3	98.7	
97.7	106.2	101.6	98.4	98.6	108.4	103.0	99.2	98.8	100.5	100.5	99.2	99.5	
100.0	106.2	102.7	98.5	103.1	109.0	104.3	100.3	101.3	101.9	101.9	100.5	100.1	
92.8	99.3	95.1	92.3	93.0	101.4	97.0	93.2	93.1	95.1	95.1	93.5	93.0	
97.2	107.6	101.3	99.4	97.8	109.3	101.0	99.0	98.0	98.0	98.0	98.5	98.5	
100.8	108.3	103.3	97.9	98.8	110.1	102.3	100.4	100.0	100.8	100.8	99.9	99.5	
93.8	101.0	96.1	92.2	93.5	103.0	96.5	93.7	93.9	94.7	94.7	93.8	93.8	
2.2	2.9	0.0	0.5	0.6	3.7	1.1	1.4	2.1	0.6	0.6	1.8	1.0	
2.0	3.4	0.4	0.7	1.0	4.1	0.3	1.1	2.5	1.2	1.2	1.1	1.3	

Salt Lake City Option A2										Percent Served	GEH	
2300 N Beck St					@ 15th							
IN	SB	NB	WB	EB	IN	SB	NB	EB	IN	SB		
D	D	D	D	B	B	B	C	B	A	A		
D	D	D	D	B	B	B	B	A	A	A	Worst Case LOS	
35.2	36.9	44.0	31.7	43.2	10.9	8.2	8.3	15.4	8.0	0.7	900-4500	
44.8	47.7	50.4	43.9	51.4	17.1	11.0	10.8	27.8	10.1	1.1	4500-8100	
45.4	49.5	51.7	42.6	52.1	16.5	10.7	10.7	26.5	10.2	1.1	8100-11700	
37.5	39.0	46.8	34.7	46.1	11.8	8.3	9.3	17.1	8.8	0.9	11700-15300	
37.0	40.4	44.8	32.2	50.1	11.7	11.8	13.1	9.4	7.1	0.9	900-4500	
44.3	43.5	52.6	42.0	53.7	16.1	13.2	19.1	12.2	8.0	1.2	4500-8100	
43.7	43.7	51.5	41.5	53.4	15.8	13.2	18.2	12.6	8.0	1.1	8100-11700	
36.4	39.9	44.5	32.0	47.3	11.5	11.5	13.0	8.9	7.0	0.8	11700-15300	
325	325	375	250		150	150	125		#N/A			
450	300	575	375		225	175	150		#N/A			
475	325	525	350		200	175	150		#N/A			
325	225	375	250		150	175	150		#N/A			
225	350	400	225		75	375	175		#N/A			
275	500	575	300		100	550	200		#N/A			
275	450	575	300		100	500	200		#N/A			
225	375	400	200		75	375	150		#N/A			
603	286	527	841		909	518	831		620		900-4500	
822	388	726	1142		1248	706	1122		842		4500-8100	
824	391	733	1143		1235	715	1123		831		8100-11700	
767	364	673	1050		1157	664	1049		780		11700-15300	
444	459	1407	848		274	1271	754		762		900-4500	
528	542	1714	993		325	1513	882		896		4500-8100	
524	543	1685	987		327	1519	879		893		8100-11700	
492	508	1535	914		305	1424	827		838		11700-15300	
612	324	545	884		921	531	848		612		900-4500	
830	440	740	1200		1250	720	1150		830		4500-8100	
820	435	732	1186		1236	712	1137		821		8100-11700	
768	407	685	1111		1157	667	1065		768		11700-15300	
449	517	1450	873		280	1297	763		772		900-4500	
530	610	1710	1030		330	1530	900		910		4500-8100	
529	609	1705	1028		329	1526	898		908		8100-11700	
495	569	1596	961		308	1428	840		849		11700-15300	
98.5	88.1	96.7	95.2		98.7	97.6	98.1		101.3			
99.0	88.3	98.1	95.2		99.8	98.0	97.6		101.4			
100.5	90.0	100.3	96.4		100.0	100.4	98.7		101.2			
99.7	88.9	100.2	96.4		98.4	98.9	98.1		98.5			
99.9	89.3	98.2	94.5		100.0	99.5	98.5		101.5			
99.1	89.2	96.2	95.0		99.1	99.7	98.5		98.6			
0.3	4.6	0.8	3.1		0.2	0.5	1.1		0.8			
0.3	5.4	1.5	2.4		0.5	0.7	1.0		0.9			

Salt Lake City Option A-C3										Intersection Name		
	@ 600 N ≤ 300		@ 600 N ≤ 900		@ 600 N ≤ 900		@ 600 N ≤ 900		@ 600 N ≤ 8th		U	Control
NB	WB	EB	IN	SB	NB	WB	IN	SB	NB	WB	EB	Approach
D	E	○	B	○	B	○	C	○	B	A	-	-
D	F	○	C	○	C	○	C	○	A	A	-	-
38.7	47.6	23.4	14.5	19.9	12.4	11.5	15.0	8.3	5.6	8.3	-	-
39.8	74.0	26.1	19.0	25.6	13.8	15.9	20.4	10.8	5.9	10.8	-	-
42.0	79.5	26.5	18.6	24.8	13.9	15.7	19.9	10.9	6.0	10.9	-	-
38.1	51.4	23.6	15.1	20.8	12.4	12.3	15.7	8.2	5.6	8.2	-	-
38.1	59.7	29.7	25.4	33.9	28.4	19.0	25.9	7.6	6.0	7.6	-	-
44.8	85.3	31.8	31.2	42.6	34.7	24.7	30.3	8.5	5.6	8.5	-	-
50.5	151.1	30.0	29.5	39.4	34.6	21.9	29.9	8.8	5.7	8.8	-	-
38.0	72.2	32.6	25.2	31.6	29.4	20.1	25.3	7.3	5.5	7.3	-	-
225	475	300	150	75	150	175	175	25	100	50	25	6:00:00 AM
275	825	425	200	100	200	275	275	25	125	75	25	7:00:00 AM
275	850	450	225	100	200	250	250	25	125	75	25	8:00:00 AM
225	525	350	175	75	175	175	175	25	100	50	25	9:00:00 AM
425	550	350	200	200	300	325	325	25	100	75	50	3:00:00 PM
600	1075	425	325	250	450	425	425	25	100	125	100	4:00:00 PM
650	1325	400	275	275	425	450	450	25	100	100	75	5:00:00 PM
425	700	350	175	200	300	300	300	25	75	75	25	6:00:00 PM
469	342	949	324	284	503	561	561	29	149	576	829	6:00:00 AM
645	458	1307	447	388	699	767	767	40	194	799	1140	7:00:00 AM
641	471	1320	441	387	702	759	759	40	197	803	1118	8:00:00 AM
602	435	1232	416	361	655	610	610	36	183	745	1054	9:00:00 AM
1199	358	737	427	409	849	838	838	8	108	967	957	3:00:00 PM
1379	417	875	507	490	1045	998	998	8	127	1186	1147	4:00:00 PM
1416	411	876	501	486	1028	997	997	8	128	1165	1137	5:00:00 PM
1314	392	825	475	458	974	807	807	8	120	1103	1070	6:00:00 PM
480	347	965	332	287	509	568	568	30	148	589	840	6:00:00 AM
650	470	1310	450	390	690	770	770	40	200	800	1140	7:00:00 AM
642	465	1295	446	386	682	762	762	40	198	791	1127	8:00:00 AM
601	435	1213	417	361	639	608	608	37	185	741	1056	9:00:00 AM
1195	356	738	432	415	874	848	848	9	111	992	975	3:00:00 PM
1410	420	870	510	490	1030	1000	1000	10	130	1170	1150	4:00:00 PM
1407	419	868	509	489	1028	998	998	10	130	1167	1147	5:00:00 PM
1316	392	812	476	457	961	803	803	9	121	1092	1073	6:00:00 PM
97.8	98.7	98.3	97.8	98.9	98.8	98.8	98.8	98.0	101.1	97.8	98.6	6:00:00 AM
99.3	97.3	99.8	99.5	99.6	101.4	99.6	99.6	100.6	97.3	99.8	100.0	7:00:00 AM
99.8	101.4	101.9	99.0	100.3	102.9	99.7	99.7	99.7	101.5	99.2	99.2	8:00:00 AM
100.1	99.9	101.6	99.8	100.0	102.5	100.5	100.5	96.7	98.7	100.6	99.9	9:00:00 AM
100.3	100.6	99.9	98.9	98.5	97.2	98.9	98.9	92.6	97.4	97.5	98.2	3:00:00 PM
97.8	99.2	100.6	99.5	99.9	101.5	99.8	99.8	79.0	98.0	101.3	99.8	4:00:00 PM
100.7	98.2	101.0	98.5	99.4	100.0	100.0	100.0	81.0	99.1	99.8	99.1	5:00:00 PM
99.9	99.9	101.6	99.9	100.1	101.3	100.6	100.6	85.7	99.0	101.1	99.7	6:00:00 PM
0.3	0.3	0.4	0.4	0.1	0.8	0.2	0.2	0.1	0.3	0.3	0.3	AM
0.3	0.2	0.5	0.4	0.2	0.1	0.1	0.1	0.4	0.0	0.5	0.5	PM

Salt Lake City Option A-C3										Percent Served									
600 N I-15 @ Beck St Chicago St @ N					600 N I-15 @ 400 S					600 N I-15 @ 400 S					GEH				
S		S		S		S		S		S		S		S		S		S	
SB	NB	WB	IN	SB	NB	EB	IN	SB	NB	WB	EB	IN	SB	Worst Case LOS					
D	C	D	E	C	C	D	C	C	D	C	C	D	D	D	D	D	D	D	D
E	D	D	D	C	C	C	D	D	F	D	E	C	E	D	D	D	D	D	D
49.3	24.0	36.7	38.5	17.2	15.0	16.6	42.6	19.6	21.4	30.4	18.7	16.8	31.0	27.8	900-4500	900-4500	900-4500	900-4500	900-4500
49.1	31.0	48.1	57.8	22.1	19.8	21.7	44.2	24.2	25.3	36.8	23.0	21.1	37.9	35.4	4500-8100	4500-8100	4500-8100	4500-8100	4500-8100
49.3	30.7	49.6	55.7	22.5	20.1	22.7	44.6	24.0	23.2	37.2	22.6	21.1	39.3	35.1	8100-11700	8100-11700	8100-11700	8100-11700	8100-11700
49.2	25.4	39.0	42.2	17.9	15.8	17.4	41.3	20.6	22.6	31.6	19.8	17.8	32.2	30.6	11700-15300	11700-15300	11700-15300	11700-15300	11700-15300
46.7	42.7	36.8	43.3	22.7	17.9	20.8	42.4	32.6	38.3	40.9	35.2	23.0	38.3	34.5	900-4500	900-4500	900-4500	900-4500	900-4500
58.8	48.5	45.3	50.2	27.3	20.2	24.6	46.0	45.3	72.5	47.7	51.8	29.4	46.2	41.3	4500-8100	4500-8100	4500-8100	4500-8100	4500-8100
62.3	48.9	43.3	50.2	27.6	20.1	24.6	46.6	53.5	121.7	49.6	55.6	33.1	57.4	45.3	8100-11700	8100-11700	8100-11700	8100-11700	8100-11700
46.8	42.5	36.3	43.7	24.1	18.4	22.0	42.4	32.7	41.0	38.1	36.7	22.9	40.6	31.7	11700-15300	11700-15300	11700-15300	11700-15300	11700-15300
275	200	100	200	250	125	50	100	175	275	275	325	275	325	250	900-4500	900-4500	900-4500	900-4500	900-4500
375	275	150	250	375	175	50	150	250	400	400	400	400	400	300	4500-8100	4500-8100	4500-8100	4500-8100	4500-8100
350	250	150	250	350	150	50	150	250	400	400	400	400	400	300	8100-11700	8100-11700	8100-11700	8100-11700	8100-11700
275	200	100	200	275	125	50	125	175	300	325	325	300	325	250	11700-15300	11700-15300	11700-15300	11700-15300	11700-15300
350	325	125	225	175	275	50	325	400	800	800	800	800	800	200	900-4500	900-4500	900-4500	900-4500	900-4500
450	350	175	250	250	350	75	475	500	875	400	875	400	875	250	4500-8100	4500-8100	4500-8100	4500-8100	4500-8100
500	350	175	275	250	350	75	575	525	900	425	900	425	900	250	8100-11700	8100-11700	8100-11700	8100-11700	8100-11700
325	275	125	200	200	300	50	325	400	775	300	775	300	775	175	11700-15300	11700-15300	11700-15300	11700-15300	11700-15300
549	824	1260	1396	1468	416	70	161	393	693	1410	693	1410	693	653	900-4500	900-4500	900-4500	900-4500	900-4500
747	1125	1739	1928	2016	568	98	219	534	944	1928	898	1928	898	898	4500-8100	4500-8100	4500-8100	4500-8100	4500-8100
753	1119	1775	1916	2021	562	100	216	534	946	1943	890	1943	890	890	8100-11700	8100-11700	8100-11700	8100-11700	8100-11700
702	1045	1639	1801	1889	527	93	203	499	884	1815	835	1815	835	835	11700-15300	11700-15300	11700-15300	11700-15300	11700-15300
619	822	2342	1464	689	1166	86	359	740	1098	1163	283	1098	1163	283	900-4500	900-4500	900-4500	900-4500	900-4500
738	981	2788	1750	828	1392	100	425	873	1284	1382	340	1284	1382	340	4500-8100	4500-8100	4500-8100	4500-8100	4500-8100
739	981	2816	1753	825	1379	100	426	880	1287	1393	341	1287	1393	341	8100-11700	8100-11700	8100-11700	8100-11700	8100-11700
692	915	2640	1646	776	1298	93	401	821	1216	1307	319	1216	1307	319	11700-15300	11700-15300	11700-15300	11700-15300	11700-15300
560	833	1304	1437	1496	420	74	162	398	708	1444	663	1444	663	663	900-4500	900-4500	900-4500	900-4500	900-4500
760	1130	1770	1950	2030	570	100	220	540	960	1960	900	1960	900	900	4500-8100	4500-8100	4500-8100	4500-8100	4500-8100
752	1117	1750	1928	2007	564	99	218	534	949	1938	890	1938	890	890	8100-11700	8100-11700	8100-11700	8100-11700	8100-11700
704	1046	1639	1805	1879	528	93	204	500	889	1814	833	1814	833	833	11700-15300	11700-15300	11700-15300	11700-15300	11700-15300
619	831	2391	1492	704	1179	85	365	746	1102	1178	288	1102	1178	288	900-4500	900-4500	900-4500	900-4500	900-4500
730	980	2820	1760	830	1390	100	430	880	1300	1390	340	1300	1390	340	4500-8100	4500-8100	4500-8100	4500-8100	4500-8100
728	978	2813	1756	828	1387	100	429	878	1297	1387	339	1297	1387	339	8100-11700	8100-11700			

Salt Lake City Option A-C3										GEH									
900 W Z 1000					S					Percent Served									
1000 N @ I-15 DI					IN					NB					WB				
IN					SB					EB					IN				
D	B	B	C	B	B	C	D	A	F	B	C	A	B	C	C	B	B	D	Worst Case LOS
34.5	9.9	8.2	8.9	12.4	15.2	8.3	27.4	34.9	7.9	12.7	4.9	17.3	13.1	36.2	900-4500				
40.9	15.8	10.9	10.7	24.3	17.3	10.2	31.0	39.4	8.6	14.3	4.7	19.9	15.1	46.8	4500-8100				
42.2	15.6	10.6	10.5	24.3	17.1	9.8	30.6	38.8	8.4	14.1	4.5	19.6	15.2	46.7	8100-11700				
37.9	10.5	8.5	8.9	13.7	16.1	8.7	28.6	38.4	8.1	12.6	4.6	17.8	12.7	38.3	11700-15300				
40.5	15.4	13.1	18.6	10.7	35.3	11.8	49.3	100.2	15.1	20.6	4.2	29.0	21.9	49.0	900-4500				
41.2	15.7	13.3	19.0	11.0	36.0	11.1	50.7	103.6	14.4	20.8	4.2	28.2	22.6	48.7	8100-11700				
37.9	11.1	12.1	12.7	7.8	28.3	8.3	41.8	65.6	12.2	17.7	4.5	25.6	19.2	40.7	11700-15300				
225	175	150	125	200	150	125	125	125	125	125	150	125	125	275	900-4500				
325	225	200	150	250	200	150	200	150	150	150	150	175	175	400	4500-8100				
325	200	175	150	225	200	175	200	175	175	175	175	175	175	275	8100-11700				
175	150	150	125	200	175	150	225	225	300	250	250	250	250	250	450	11700-15300			
175	75	400	175	225	675	675	225	225	225	225	375	375	375	400	900-4500				
250	100	575	175	325	925	925	325	325	350	275	475	375	375	600	4500-8100				
175	75	400	150	225	675	675	225	225	225	225	375	375	375	400	8100-11700				
844	908	519	834	1017	642	642	260	780	434	260	434	276	597	597	900-4500				
1141	1248	708	1121	1393	902	902	369	1076	600	379	600	379	815	815	4500-8100				
1143	1236	711	1125	1378	906	906	367	1069	609	376	609	376	812	812	8100-11700				
1065	1157	664	1049	1292	847	847	342	998	563	352	563	352	759	759	11700-15300				
848	273	1275	745	987	1373	721	721	770	797	797	797	797	655	655	900-4500				
989	326	1509	883	1177	1637	852	852	932	947	947	947	947	778	778	4500-8100				
994	327	1520	879	1169	1676	864	864	924	966	966	966	966	780	780	8100-11700				
926	306	1422	825	1098	1566	816	816	861	908	908	908	908	728	728	11700-15300				
884	921	531	848	1032	678	273	273	767	450	450	450	450	575	575	900-4500				
1200	1250	720	1150	1400	920	370	1040	1040	610	610	610	610	780	780	4500-8100				
1186	1236	712	1137	1385	910	366	1028	1028	603	603	603	603	771	771	8100-11700				
1111	1157	667	1065	1296	852	342	963	963	565	565	565	565	722	722	11700-15300				
873	280	1297	763	1000	1416	737	737	712	822	822	822	822	577	577	900-4500				
1030	330	1530	900	1180	1670	870	870	840	970	970	970	970	680	680	4500-8100				
1028	329	1526	898	1177	1666	868	868	838	968	968	968	968	678	678	8100-11700				
961	308	1428	840	1101	1558	812	812	784	905	905	905	905	635	635	11700-15300				
95.5	98.6	97.7	98.4	98.6	94.7	95.2	101.8	101.8	96.5	98.6	98.6	98.6	103.7	103.7					
95.1	99.8	98.3	97.5	99.5	98.1	99.7	103.5	103.5	98.4	99.8	99.8	99.8	104.5	104.5					
96.3	100.0	99.9	98.9	99.5	99.5	99.5	100.4	103.9	101.1	100.0	100.0	100.0	105.3	105.3					
95.9	100.0	99.6	98.6	99.7	99.5	99.7	100.0	103.7	99.7	100.0	100.0	100.0	105.1	105.1					
97.2	97.7	98.3	97.7	98.7	98.7	98.7	97.8	108.2	97.0	97.0	97.0	97.0	113.7	113.7					
96.0	98.7	98.6	98.2	99.7	99.7	99.7	99.7	111.0	97.6	97.6	97.6	97.6	114.4	114.4					
96.7	99.2	99.6	97.9	99.4	100.6	99.6	110.3	110.3	99.8	101.0	101.0	101.0	115.0	115.0					
96.3	99.2	99.6	98.2	99.7	100.4	100.4	109.9	109.9	100.4	101.8	101.8	101.8	114.7	114.7					
2.9	0.2	0.5	1.1	0.4	1.1	0.3	2.0	0.4	0.1	0.4	0.1	0.4	2.5	2.5					
2.2	0.5	0.7	1.2	0.4	0.7	0.6	5.4	5.4	0.8	0.6	0.6	0.6	7.1	7.1					

Salt Lake City Option A-C3									
					IN	SB	NB	WB	
					C	D	C	C	Worst Case LOS
					26.7	30.0	23.6	26.7	900-4500
					33.2	37.1	29.1	34.0	4500-8100
					33.3	38.2	29.4	32.4	8100-11700
					28.0	31.5	23.7	28.2	11700-15300
					23.8	32.9	25.3	17.9	900-4500
					27.1	35.2	28.2	22.0	4500-8100
					27.4	36.7	28.7	22.0	8100-11700
					23.2	31.9	24.7	17.4	11700-15300
					275	100	300		
					375	175	475		
					400	175	475		
					275	125	350		
					225	125	350		
					250	200	475		
					250	200	400		
					200	150	325		
					604	195	423		
					821	262	586		
					825	264	578		
					767	245	544		
					446	292	1231		
					528	347	1477		
					524	345	1460		
					492	324	1378		
					612	214	435		
					820	287	583		
					830	290	590		
					768	269	546		
					449	322	1255		
					530	380	1480		
					529	379	1476		
					495	355	1381		
					98.8	91.5	97.3		
					99.8	99.7	99.4		
					100.9	98.1	6:00:00 AM		
					100.9	97.5	97.1		
					100.9	99.0	7:00:00 AM		
					99.8	99.7	101.5		
					96.7	98.7	99.3		
					92.6	97.6	99.0		
					79.0	98.0	101.1		
					81.0	99.0	100.2		
					85.4	98.9	101.4		
					0.1	0.2	1.1		
					1.0	0.4	0.3		

Salt Lake City Option A-Alt2									
					IN	SB	NB	WB	
					C	D	C	C	Worst Case LOS
					26.7	30.0	23.6	26.7	900-4500
					33.2	37.1	29.1	34.0	4500-8100
					33.3	38.2	29.4	32.4	8100-11700
					28.0	31.5	23.7	28.2	11700-15300
					23.8	32.9	25.3	17.9	900-4500
					27.1	35.2	28.2	22.0	4500-8100
					27.4	36.7	28.7	22.0	8100-11700
					23.2	31.9	24.7	17.4	11700-15300
					275	100	300		
					375	175	475		
					400	175	475		
					275	125	350		
					225	125	350		
					250	200	475		
					250	200	400		
					200	150	325		
					604	195	423		
					821	262	586		
					825	264	578		
					767	245	544		
					446	292	1231		
					528	347	1477		
					524	345	1460		
					492	324	1378		
					612	214	435		
					820	287	583		
					830	290	590		
					768	269	546		
					449	322	1255		
					530	380	1480		
					529	379	1476		
					495	355	1381		
					98.8	91.5	97.3		
					99.8	99.7	99.4		
					100.9	98.1	6:00:00 AM		
					100.9	97.5	97.1		
					100.9	99.0	7:00:00 AM		
					99.8	99.7	101.5		
					96.7	98.7	99.3		
					92.6	97.6	99.0		
					79.0	98.0	101.1		
					81.0	99.0	100.2		
					85.4	98.9	101.4		
					0.1	0.2	1.1		
					1.0	0.4	0.3		

## **OPTIONS OPERATIONS ANALYSIS**

Salt Lake City Option A-Alt2										Percent Served		GEH	
		@ 600 N ≤ 400		@ 600 N ≤ 300		@ 600 N ≤ 300		@ 600 N ≤ 300		600 N @ 900		600 N @ 900	
		S		S		S		S		S		S	
IN	NB	WB	EB	IN	NB	WB	EB	IN	NB	WB	EB	IN	NB
C	D	C	D	C	D	M	C	B	C	B	C	B	C
M	T	D	C	D	M	T	C	C	C	C	C	C	C
20.3	31.5	19.4	17.6	30.8	27.6	38.9	48.6	23.6	15.5	21.6	14.5	12.6	15.5
25.0	24.5	38.8	23.1	22.4	37.4	33.4	40.0	70.5	28.5	20.0	26.7	17.8	16.6
25.2	24.7	38.6	24.5	22.3	37.8	33.7	41.0	71.8	28.6	19.9	27.3	17.2	15.7
21.0	20.5	32.5	20.6	18.3	31.8	29.7	38.5	50.3	24.4	15.4	22.0	14.6	12.0
32.3	42.7	38.1	33.9	23.2	37.5	32.7	38.2	58.3	29.7	20.0	22.8	20.8	18.0
53.2	141.3	44.3	51.1	29.7	46.8	42.7	48.6	75.6	33.6	24.9	26.6	23.8	23.7
60.7	196.7	45.8	52.6	29.0	51.9	45.6	58.4	88.1	29.8	24.2	25.4	23.3	23.0
38.4	88.7	37.7	34.4	23.8	37.2	32.2	37.9	58.1	29.9	19.5	22.6	20.6	17.5
150	175	275	325	250	200	450	300	150	100	150	100	150	275
175	250	375	500	300	250	700	475	200	100	225	425	425	425
175	225	375	475	300	250	700	425	225	125	225	425	425	425
150	175	300	350	250	200	450	325	150	75	175	275	275	275
400	375	750	275	225	425	475	300	150	125	400	325	325	325
675	425	925	350	275	675	725	400	175	175	550	450	450	450
825	450	925	350	275	850	900	350	175	175	500	475	475	475
600	375	775	275	200	400	425	300	150	125	375	325	325	325
221	372	663	1443	635	465	308	982	311	284	586	682	682	682
298	505	907	1960	864	634	413	1327	427	387	818	938	938	938
300	507	906	2008	859	629	421	1384	424	386	826	931	931	931
278	472	847	1864	805	591	390	1270	398	361	774	744	744	744
403	704	1108	1113	306	1188	304	726	395	428	1044	960	960	960
476	842	1291	1351	370	1367	365	883	468	509	1265	1138	1138	1138
480	833	1324	1341	369	1412	351	881	464	504	1254	1133	1133	1133
457	786	1230	1270	346	1305	335	832	438	474	1187	925	925	925
221	377	678	1474	642	472	310	1003	317	287	619	693	693	693
300	510	920	2000	870	640	420	1360	430	390	840	940	940	940
297	504	910	1977	860	633	416	1344	426	386	830	930	930	930
278	472	852	1851	805	592	389	1259	398	361	778	741	741	741
416	712	1119	1119	314	1187	306	729	398	432	1060	966	966	966
490	840	1320	1320	370	1400	360	860	470	510	1250	1140	1140	1140
489	838	1317	1317	369	1397	359	858	469	509	1247	1138	1138	1138
457	784	1232	1232	345	1307	336	803	438	476	1166	915	915	915
100.0	98.9	97.7	97.9	98.9	98.5	99.6	97.9	98.1	98.7	94.7	98.5	98.5	98.5
99.2	99.0	98.6	98.0	99.4	99.1	98.4	97.6	99.2	99.4	97.3	99.8	99.8	99.8
101.0	100.6	99.5	101.5	99.9	99.4	101.4	103.0	99.6	100.1	99.5	100.2	100.2	100.2
99.9	100.0	99.4	100.7	100.0	99.8	100.2	100.9	100.0	99.9	99.6	100.3	100.3	100.3
97.0	98.9	99.1	99.5	97.4	100.1	99.4	99.6	99.3	99.1	98.5	99.3	99.3	99.3
97.1	100.2	97.8	102.3	100.1	97.6	101.5	102.7	99.6	101.2	99.9	101.2	101.2	101.2
98.1	99.4	100.6	101.8	100.0	101.1	97.9	102.7	99.1	99.2	100.6	99.6	99.6	99.6
99.8	100.3	99.9	103.1	100.2	99.9	103.6	103.6	100.0	99.7	101.7	101.1	101.1	101.1
0.0	0.1	0.7	0.3	0.2	0.4	0.0	0.0	0.3	0.2	1.1	0.1	0.1	0.1
0.9	0.2	0.5	1.2	0.2	0.2	0.1	1.3	0.2	0.2	0.4	0.0	0.0	0.0

Salt Lake City Option A-Alt2												Percent Served	GEH		
Beck St Chicago St		95th Percentile Queue (Feet)													
@ 1000 N HDI		@ 900 W Z 1000		@ 600 N D 15											
NB	EB	IN	SB	NB	EB	IN	SB	NB	WB	EB	IN	SB	NB	EB	
B	C	B	A	B	B	M	M	D	M	M	C	C	C	D	
C	C	B	A	C	B	D	D	D	D	C	C	C	D	Worst Case LOS	
14.8	28.9	8.5	5.0	10.6	9.8	41.8	52.6	31.7	44.0	42.8	16.7	14.9	16.6	41.3	900-4500
16.2	34.6	10.3	5.9	13.0	11.9	54.3	62.1	38.6	59.7	59.7	21.5	19.8	22.3	43.6	4500-8100
15.7	32.0	10.3	6.1	13.0	11.8	60.0	64.5	41.1	69.9	65.2	22.0	20.3	22.8	44.1	8100-11700
15.0	27.4	8.6	5.0	10.3	10.4	44.5	53.2	33.6	46.2	47.8	17.7	15.8	18.0	43.9	11700-15300
21.2	20.7	11.5	7.5	15.3	13.9	40.2	39.0	45.9	36.4	41.6	21.6	18.3	20.7	41.2	900-4500
25.9	27.7	14.2	9.6	20.9	15.1	48.5	45.9	57.6	43.7	49.2	24.6	20.3	24.0	45.4	4500-8100
26.7	28.0	14.7	9.6	22.4	15.6	47.4	44.7	57.3	42.4	48.1	25.2	20.0	25.1	43.5	8100-11700
22.7	24.5	11.3	7.4	15.1	13.7	40.0	40.1	46.2	35.2	42.1	22.2	18.5	21.3	43.0	11700-15300
175	275		100	75	150		375	250	125	250		275	125	50	
200	325		100	100	200		525	300	175	350		350	150	50	
200	350		100	100	200		500	325	175	375		375	150	50	
175	275		100	100	150		400	250	150	250		275	125	50	
300	150		175	125	200		275	325	175	225		200	275	75	
425	175		200	200	275		350	450	200	275		250	325	75	
450	175		225	200	275		325	400	225	275		250	350	75	
375	175		175	150	200		275	325	175	225		225	275	75	
466	428		334	276	430		647	877	1357	1555		1466	414	70	900-4500
629	605		455	379	587		883	1170	1821	2130		2013	568	98	4500-8100
629	592		463	377	583		899	1178	1878	2186		2017	565	100	8100-11700
591	556		428	352	545		834	1096	1735	2022		1886	527	93	11700-15300
1315	633		713	408	557		634	874	2436	1571		693	1172	86	900-4500
1540	760		843	493	657		771	1050	2897	1904		819	1376	101	4500-8100
1573	748		859	483	658		754	1053	2919	1867		834	1388	100	8100-11700
1470	707		807	457	616		716	983	2745	1776		776	1295	93	11700-15300
420	435		339	280	428		664	877	1386	1600		1496	420	74	900-4500
570	590		460	380	580		900	1190	1880	2170		2030	570	100	4500-8100
564	584		455	376	573		890	1176	1858	2145		2007	564	99	8100-11700
528	546		426	352	537		833	1102	1740	2009		1879	528	93	11700-15300
1306	560		720	415	458		610	890	2493	1585		704	1179	85	900-4500
1540	660		850	490	540		720	1050	2940	1870		830	1390	100	4500-8100
1536	659		848	489	539		718	1047	2932	1865		828	1387	100	8100-11700
1437	616		793	457	504		672	980	2743	1745		775	1297	93	11700-15300
110.8	98.4		98.4	98.6	100.5		97.5	99.9	98.0	97.2		98.0	98.6	95.0	
111.6	101.4		101.9	100.2	101.8		101.1	100.1	101.1	101.9		100.5	100.2	101.0	
111.9	101.7		100.6	100.0	101.5		100.2	99.5	99.7	100.7		100.3	99.9	100.8	
100.8	113.1		99.1	98.1	121.6		103.9	98.1	97.7	99.1		98.4	99.4	101.4	
102.4	113.5		101.3	98.9	122.2		104.9	100.5	99.6	100.1		100.7	100.1	99.8	
102.3	114.7		101.7	100.0	122.2		106.6	100.4	100.1	101.8		100.2	99.9	99.7	
5.0	0.5		0.0	0.1	0.6		0.4	0.9	0.3	0.3		0.2	0.2	0.1	
1.0	6.8		0.2	0.2	9.4		2.9	0.1	1.1	0.6		0.3	0.3	0.1	

Salt Lake City Option A-Alt2										Percent Served	GEH	
IN	SB	NB	WB	EB	IN	SB	NB	EB	IN	SB		
											2300 N Beck St	
			S			S						
D	D	C	D	B	B	B	C	C	B			
C	D	C	C	B	B	B	B	C	C			
29.8	30.4	23.6	27.9	37.5	10.0	8.2	8.7	12.7	17.2	13.1	900-4500	
36.7	38.1	29.3	35.8	41.2	15.9	10.9	10.8	24.6	20.2	15.5	4500-8100	
36.6	38.4	28.6	35.5	41.7	15.5	10.8	10.8	23.6	19.6	15.7	8100-11700	
30.9	32.3	24.2	29.2	36.7	10.8	8.5	9.2	14.2	17.1	13.4	11700-15300	
29.5	34.0	25.6	25.7	39.5	11.2	11.8	12.6	8.4	20.9	20.4	900-4500	
33.3	36.2	28.8	30.7	41.8	15.3	13.4	18.4	10.8	25.5	22.9	4500-8100	
33.8	36.4	28.5	31.7	42.1	15.7	13.2	19.0	11.0	25.9	23.0	8100-11700	
28.6	33.1	25.1	24.9	38.4	11.1	11.5	12.6	8.2	22.3	19.8	11700-15300	
275	125	300	175		150	150	100		225			
400	175	475	250		225	200	150		325			
375	150	475	225		225	175	150		325			
275	100	350	200		150	175	125		250			
200	150	375	175		75	375	175		250			
250	175	475	225		100	500	200		275			
250	200	475	225		100	500	200		250			
200	150	400	175		75	350	175		225			
606	214	424	707		911	517	840		950		900-4500	
824	286	585	957		1250	707	1140		1297		4500-8100	
821	290	584	953		1237	717	1143		1289		8100-11700	
768	269	547	892		1159	666	1068		1204		11700-15300	
444	318	1232	688		276	1270	759		893		900-4500	
529	379	1480	805		328	1531	895		1057		4500-8100	
526	377	1461	810		329	1529	897		1057		8100-11700	
493	353	1382	755		308	1435	840		990		11700-15300	
612	214	435	707		921	531	848		958		900-4500	
830	290	590	960		1250	720	1150		1300		4500-8100	
820	287	583	949		1236	712	1137		1285		8100-11700	
768	269	546	889		1157	667	1065		1204		11700-15300	
449	322	1255	687		280	1297	763		898		900-4500	
530	380	1480	810		330	1530	900		1060		4500-8100	
529	379	1476	808		329	1526	898		1057		8100-11700	
495	355	1381	756		308	1428	840		989		11700-15300	
99.1	100.1	97.5	100.0		98.9	97.5	99.1		99.2			
99.2	98.8	99.1	99.7		100.0	98.2	99.1		99.8			
99.9	100.2	100.1	100.4		100.1	100.8	100.3		100.3			
100.0	101.2	100.2	100.4		100.2	100.1	100.6		100.3			
99.4	99.4	99.0	100.2		98.6	97.9	99.5		99.4			
99.7	99.5	100.0	99.9		99.3	100.0	99.5		99.7			
0.2	0.0	0.3	0.1		0.1	0.4	0.1		0.1			
0.3	0.2	0.5	0.0		0.2	0.1	0.1		0.1			

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