

<b>USH 12/18: USH 51 TO IH 39/90 (DANE COUNTY)</b> <b>NIGHTTIME 2 LANE CLOSURE</b> <b>DIVERSION ROUTE: IH 39/90 - STH 30 - USH 51</b>	<b>AUGUST</b>
	Analyzed for 2009 Construction Season

**SUMMARY OF TRAFFIC MODEL OUTPUT**

**SUNDAY WESTBOUND DIRECTION**

TIME OF DAY	FLOWS AND CAPACITY IN VEH/HR								AVERAGE SPEEDS IN MPH						
	MAIN ROUTE		ALTERNATE ROUTE		SITE CAPA CITY	FLOW MAIN ROUTE	FLOW DIVER -TING	TOTAL DIVN FLOW	AV.DEL PER VEH (MINS)	AVERAGE QUEUE (VEH)	MAIN ROUTE		ALTERNATE ROUTE		
	DEMAND FLOW	PCT HEAVY	NORMAL FLOW	PCT HEAVY							WITHOUT WORK ZN	WITH WORK ZN	SITE	WITHOUT WORK ZN	WITH WORK ZN
MID-1 AM	532	0.0	316	0.0	1500	532	0	316	0.54	0	70.0	48.4	43.4	38.1	38.1
1-2 AM	363	0.0	216	0.0	1500	363	0	216	0.52	0	70.2	49.0	44.0	38.6	38.6
2-3 AM	347	0.0	206	0.0	1500	347	0	206	0.51	0	70.2	49.1	44.1	38.7	38.7
3-4 AM	220	0.0	131	0.0	1500	220	0	131	0.50	0	70.2	49.5	44.6	39.1	39.1
4-5 AM	299	0.0	178	0.0	1500	299	0	178	0.51	0	70.2	49.2	44.3	38.8	38.8
5-6 AM	222	0.0	132	0.0	1500	222	0	132	0.50	0	70.2	49.5	44.6	39.1	39.1
6-7 AM	399	0.0	236	0.0	1500	399	0	236	0.52	0	70.2	48.9	43.9	38.5	38.5
7-8 AM	499	0.0	296	0.0	1500	499	0	296	0.53	0	70.1	48.5	43.5	38.2	38.2
8-9 AM	748	0.0	445	0.0	1500	748	0	445	0.56	0	69.8	47.6	42.6	37.4	37.4
9-10 AM	1194	0.0	708	0.0	OFF	1194	0	708	0.00	0	69.2	69.2	69.2	36.1	36.1
10-11 AM	1791	0.0	1063	0.0	OFF	1791	0	1063	0.00	0	68.5	68.5	68.5	34.3	34.3
11A-NOON	2011	0.0	1194	0.0	OFF	2011	0	1194	0.00	0	68.2	68.2	68.2	33.6	33.6
NOON-1PM	2286	0.0	1357	0.0	OFF	2286	0	1357+	0.00	0	67.9	67.9	67.9	32.8	32.8
1-2 PM	2295	0.0	1362	0.0	OFF	2295	0	1362+	0.00	0	67.9	67.9	67.9	32.7	32.7
2-3 PM	2356	0.0	1399	0.0	OFF	2356	0	1399+	0.00	0	67.8	67.8	67.8	32.5	32.5
3-4 PM	2240	0.0	1330	0.0	OFF	2240	0	1330+	0.00	0	67.9	67.9	67.9	32.9	32.9
4-5 PM	2153	0.0	1279	0.0	OFF	2153	0	1279+	0.00	0	68.1	68.1	68.1	33.2	33.2
5-6 PM	2048	0.0	1216	0.0	OFF	2048	0	1216+	0.00	0	68.2	68.2	68.2	33.5	33.5
6-7 PM	1888	0.0	1122	0.0	OFF	1888	0	1122	0.00	0	68.4	68.4	68.4	34.0	34.0
7-8 PM	1581	0.0	940	0.0	1499	1581	0	940	3.09	55	68.7	19.4	30.8	34.9	34.9
8-9 PM	1405	0.0	834	0.0	1499	1405	0	834	2.54	47	69.0	22.3	31.9	35.5	35.5
9-10 PM	1157	0.0	687	0.0	1500	1157	0	687	0.65	0	69.3	45.0	39.9	36.2	36.2
10-11 PM	802	0.0	476	0.0	1500	802	0	476	0.57	0	69.7	47.4	42.4	37.3	37.3
11PM-MID	499	0.0	296	0.0	1500	499	0	296	0.53	0	70.1	48.5	43.5	38.2	38.2

"OFF" INDICATES NO ROAD WORK (ALL LANES OPEN TO TRAFFIC)

+ INDICATES DIVERSION FLOW EXCEEDS USER-SPECIFIED WARNING LIMIT

*----- SITE BREAKDOWN DELAYS -----*	
BREAKDOWN DURATION (MINS)	0
RANGE OF QUEUE DELAY - MIN (VEH-H) MAX	0.0
RANGE OF DIVN DELAY - MIN (VEH-H) MAX	0.0
AV BREAKDOWNS PER DAY	0.00
AV QUEUE DELAY/DAY (VEH-H)	0.0
AV DIVN DELAY/DAY (VEH-H)	0.0
AV TOTAL DELAY/DAY (VEH-H)	0.0

*----- SITE ACCIDENT DELAYS -----*	
ACCIDENT DURATION (MINS)	0
RANGE OF QUEUE DELAY - MIN (VEH-H) MAX	0.0
RANGE OF DIVN DELAY - MIN (VEH-H) MAX	0.0
AV ACCIDENTS PER DAY	0.00
AV QUEUE DELAY/DAY (VEH-H)	0.0
AV DIVN DELAY/DAY (VEH-H)	0.0
AV TOTAL DELAY/DAY (VEH-H)	0.0

AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0065
MAIN ROUTE WITH WORKS	0.0059
DIVERSION	0.0269

PIA: Personal Injury Accidents

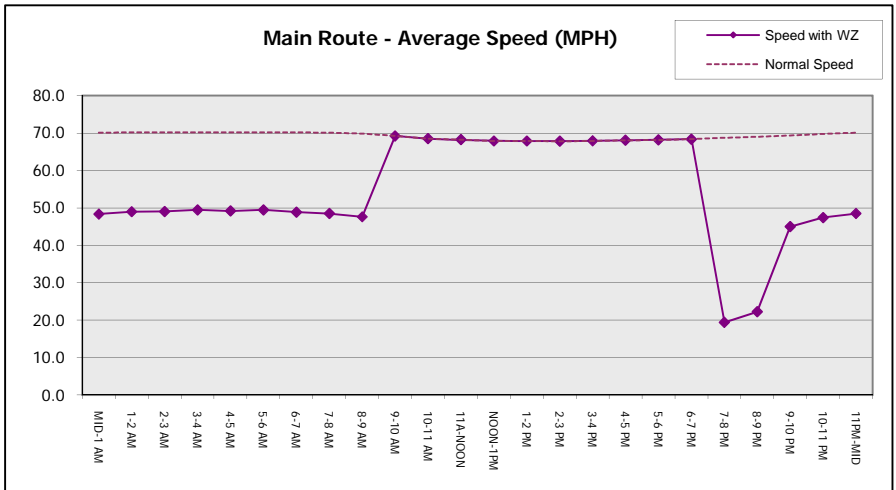
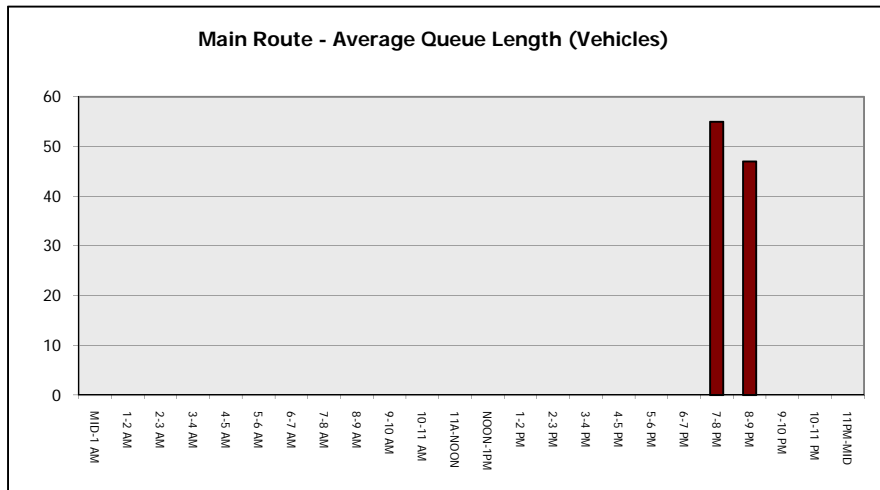
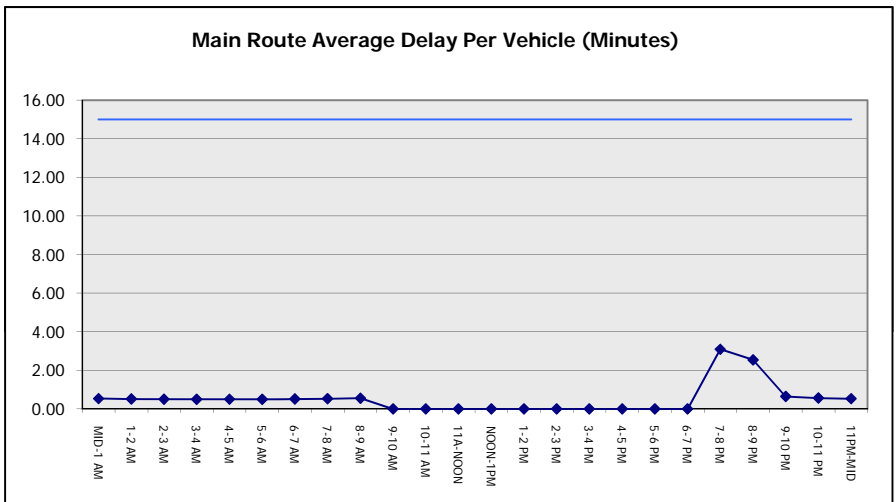
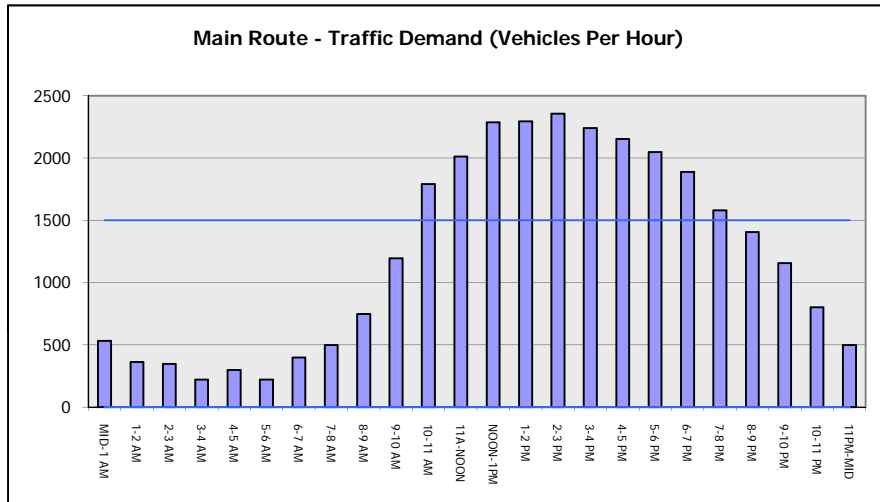
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$3,153
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding 15 Minutes

**USH 12/18: USH 51 TO IH 39/90 (DANE COUNTY)**  
**NIGHTTIME 2 LANE CLOSURE**  
**DIVERSION ROUTE: IH 39/90 - STH 30 - USH 51**

**AUGUST**  
 Analyzed for 2009  
 Construction Season

**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**SUNDAY WESTBOUND DIRECTION**



<b>USH 12/18: USH 51 TO IH 39/90 (DANE COUNTY) NIGHTTIME 2 LANE CLOSURE DIVERSION ROUTE: IH 39/90 - STH 30 - USH 51</b>	<b>AUGUST</b>
	Analyzed for 2009 Construction Season

<b>SUMMARY OF TRAFFIC MODEL OUTPUT</b>	
SUNDAY	EASTBOUND DIRECTION

TIME OF DAY	FLOWS AND CAPACITY IN VEH/HR								AVERAGE SPEEDS IN MPH						
	MAIN		DIVERSION		SITE CAPA CITY	FLOW MAIN ROUTE	FLOW DIVER -TING	TOTAL DIVN FLOW	AV.DEL PER VEH (MINS)	AVERAGE QUEUE (VEH)	MAIN ROUTE		SITE	ALTERNATE ROUTE	
	DEMAND FLOW	PCT HEAVY	NORMAL FLOW	PCT HEAVY							WITHOUT WORK ZN	WITH WORK ZN		WITHOUT WORK ZN	WITH WORK ZN
MID-1 AM	494	0.0	293	0.0	1500	494	0	293	0.53	0	70.1	48.5	43.5	38.3	38.3
1-2 AM	300	0.0	178	0.0	1500	300	0	178	0.51	0	70.2	49.2	44.3	38.8	38.8
2-3 AM	246	0.0	146	0.0	1500	246	0	146	0.50	0	70.2	49.4	44.5	39.0	39.0
3-4 AM	160	0.0	95	0.0	1500	160	0	95	0.49	0	70.2	49.7	44.8	39.2	39.2
4-5 AM	155	0.0	92	0.0	1500	155	0	92	0.49	0	70.2	49.7	44.8	39.2	39.2
5-6 AM	194	0.0	115	0.0	1500	194	0	115	0.50	0	70.2	49.6	44.7	39.1	39.1
6-7 AM	377	0.0	224	0.0	1500	377	0	224	0.52	0	70.2	48.9	44.0	38.6	38.6
7-8 AM	648	0.0	384	0.0	1500	648	0	384	0.55	0	69.9	47.9	43.0	37.8	37.8
8-9 AM	1018	0.0	605	0.0	1499	1018	0	605	0.60	0	69.5	46.5	41.4	36.6	36.6
9-10 AM	1551	0.0	921	0.0	OFF	1551	0	921	0.00	0	68.8	68.8	68.8	35.0	35.0
10-11 AM	1999	0.0	1187	0.0	OFF	1999	0	1187	0.00	0	68.2	68.2	68.2	33.7	33.7
11A-NOON	2157	0.0	1281	0.0	OFF	2157	0	1281+	0.00	0	68.1	68.1	68.1	33.2	33.2
NOON-1PM	2233	0.0	1326	0.0	OFF	2233	0	1326+	0.00	0	67.9	67.9	67.9	32.9	32.9
1-2 PM	2368	0.0	1406	0.0	OFF	2368	0	1406+	0.00	0	67.8	67.8	67.8	32.5	32.5
2-3 PM	2382	0.0	1414	0.0	OFF	2382	0	1414+	0.00	0	67.8	67.8	67.8	32.5	32.5
3-4 PM	2549	0.0	1514	0.0	OFF	2549	0	1514+	0.00	0	67.6	67.6	67.6	32.0	32.0
4-5 PM	2511	0.0	1491	0.0	OFF	2511	0	1491+	0.00	0	67.6	67.6	67.6	32.1	32.1
5-6 PM	2216	0.0	1316	0.0	OFF	2216	0	1316+	0.00	0	68.0	68.0	68.0	33.0	33.0
6-7 PM	1830	0.0	1087	0.0	OFF	1830	0	1087	0.00	0	68.4	68.4	68.4	34.2	34.2
7-8 PM	1560	0.0	927	0.0	1499	1560	0	927	2.77	46	68.8	21.0	30.8	35.0	35.0
8-9 PM	1321	0.0	784	0.0	1499	1321	0	784	1.31	16	69.1	33.2	34.4	35.7	35.7
9-10 PM	1025	0.0	609	0.0	1500	1025	0	609	0.59	0	69.4	46.6	41.6	36.6	36.6
10-11 PM	630	0.0	374	0.0	1500	630	0	374	0.55	0	69.9	48.0	43.0	37.8	37.8
11PM-MID	430	0.0	255	0.0	1500	430	0	255	0.53	0	70.2	48.7	43.8	38.4	38.4

"OFF" INDICATES NO ROAD WORK (ALL LANES OPEN TO TRAFFIC)

+ INDICATES DIVERSION FLOW EXCEEDS USER-SPECIFIED WARNING LIMIT

*----- SITE BREAKDOWN DELAYS -----*	
BREAKDOWN DURATION (MINS)	0
RANGE OF QUEUE DELAY - MIN	0.0
(VEH-H) MAX	0.0
RANGE OF DIVN DELAY - MIN	0.0
(VEH-H) MAX	0.0
AV BREAKDOWNS PER DAY	0.00
AV QUEUE DELAY/DAY (VEH-H)	0.0
AV DIVN DELAY/DAY (VEH-H)	0.0
AV TOTAL DELAY/DAY (VEH-H)	0.0

*----- SITE ACCIDENT DELAYS -----*	
ACCIDENT DURATION (MINS)	0
RANGE OF QUEUE DELAY - MIN	0.0
(VEH-H) MAX	0.0
RANGE OF DIVN DELAY - MIN	0.0
(VEH-H) MAX	0.0
AV ACCIDENTS PER DAY	0.00
AV QUEUE DELAY/DAY (VEH-H)	0.0
AV DIVN DELAY/DAY (VEH-H)	0.0
AV TOTAL DELAY/DAY (VEH-H)	0.0

AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0068
MAIN ROUTE WITH WORKS	0.0062
DIVERSION	0.0278

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$2,445
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding 15 Minutes

**USH 12/18: USH 51 TO IH 39/90 (DANE COUNTY)**  
**NIGHTTIME 2 LANE CLOSURE**  
**DIVERSION ROUTE: IH 39/90 - STH 30 - USH 51**

**AUGUST**  
 Analyzed for 2009  
 Construction Season

**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**SUNDAY EASTBOUND DIRECTION**

