

<b>IH 39/90/94: STH 60 TO USH 51 (DANE AND COLUMBIA COUNTIES)</b> <b>NIGHTTIME 2 LANE CLOSURE</b> <b>DIVERSION ROUTE: USH 51 - STH 60</b>	<b>OCTOBER</b>
	Analyzed for 2009 Construction Season

**SUMMARY OF TRAFFIC MODEL OUTPUT**

**FRIDAY 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	358	0.0	94	0.0	1500	358	0	94	0.52	0	70.2	67.0	44.0	38.6	38.6
1-2 AM	296	0.0	77	0.0	1500	296	0	77	0.51	0	70.2	67.1	44.3	38.8	38.8
2-3 AM	260	0.0	68	0.0	1500	260	0	68	0.50	0	70.2	67.1	44.5	38.9	38.9
3-4 AM	271	0.0	71	0.0	1500	271	0	71	0.51	0	70.2	67.1	44.4	38.9	38.9
4-5 AM	305	0.0	80	0.0	1500	305	0	80	0.51	0	70.2	67.1	44.3	38.8	38.8
5-6 AM	481	0.0	127	0.0	OFF	481	0	127	0.00	0	70.1	70.1	70.1	38.2	38.2
6-7 AM	789	0.0	207	0.0	OFF	789	0	207	0.00	0	69.7	69.7	69.7	37.2	37.2
7-8 AM	1179	0.0	310	0.0	OFF	1179	0	310	0.00	0	69.2	69.2	69.2	35.9	35.9
8-9 AM	1388	0.0	364	0.0	OFF	1388	0	364	0.00	0	69.0	69.0	69.0	35.2	35.2
9-10 AM	1611	0.0	423	0.0	OFF	1611	0	423	0.00	0	68.7	68.7	68.7	34.5	34.5
10-11 AM	1833	0.0	481	0.0	OFF	1833	0	481	0.00	0	68.4	68.4	68.4	33.8	33.8
11A-NOON	2001	0.0	525	0.0	OFF	2001	0	525	0.00	0	68.2	68.2	68.2	33.2	33.2
NOON-1PM	2059	0.0	540	0.0	OFF	2059	0	540	0.00	0	68.2	68.2	68.2	33.0	33.0
1-2 PM	2250	0.0	590	0.0	OFF	2250	0	590	0.00	0	67.9	67.9	67.9	32.4	32.4
2-3 PM	2390	0.0	628	0.0	OFF	2390	0	628	0.00	0	67.8	67.8	67.8	31.9	31.9
3-4 PM	2507	0.0	658	0.0	OFF	2507	0	658	0.00	0	67.6	67.6	67.6	31.5	31.5
4-5 PM	2601	0.0	683	0.0	OFF	2601	0	683	0.00	0	67.5	67.5	67.5	31.2	31.2
5-6 PM	2656	0.0	697	0.0	OFF	2656	0	697	0.00	0	67.4	67.4	67.4	31.1	31.1
6-7 PM	2449	0.0	642	0.0	OFF	2449	0	642	0.00	0	67.7	67.7	67.7	31.8	31.8
7-8 PM	2081	0.0	546	0.0	1499	2081	0	546	11.74	314	68.1	33.3	30.8	33.0	33.0
8-9 PM	1675	0.0	439	0.0	1499	1469	206	646	23.60	590	68.6	22.0	30.8	34.3	31.7
9-10 PM	1241	0.0	325	0.0	1499	1222	19	344	17.22	429	69.2	27.1	30.9	35.7	35.5
10-11 PM	893	0.0	234	0.0	1499	893	0	234	2.68	70	69.6	56.0	40.7	36.8	36.8
11PM-MID	595	0.0	156	0.0	1500	595	0	156	0.54	0	70.0	66.7	43.2	37.8	37.8

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

*----- 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	0.0696
MAIN ROUTE WITH WORKS	0.0686
DIVERSION	0.1987

PIA: Personal Injury Accidents

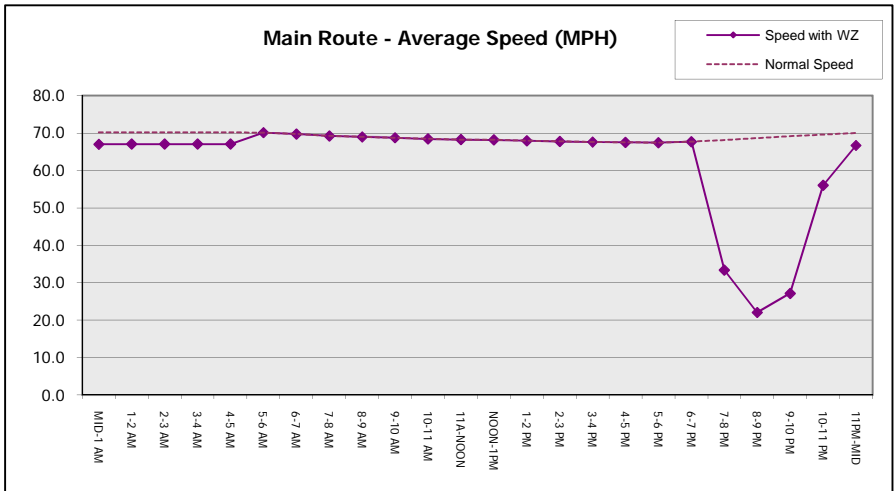
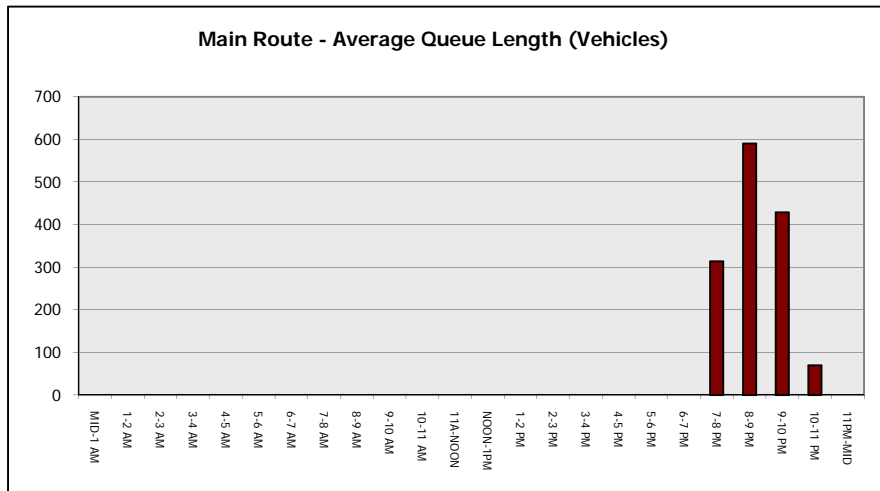
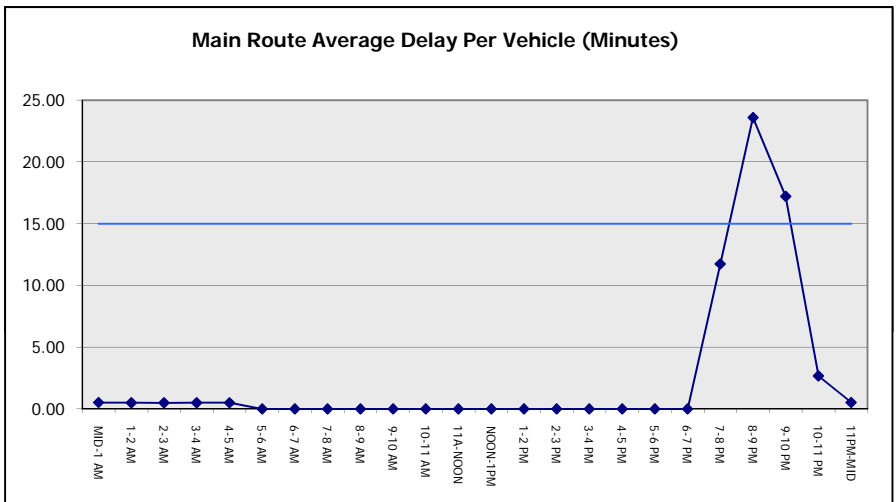
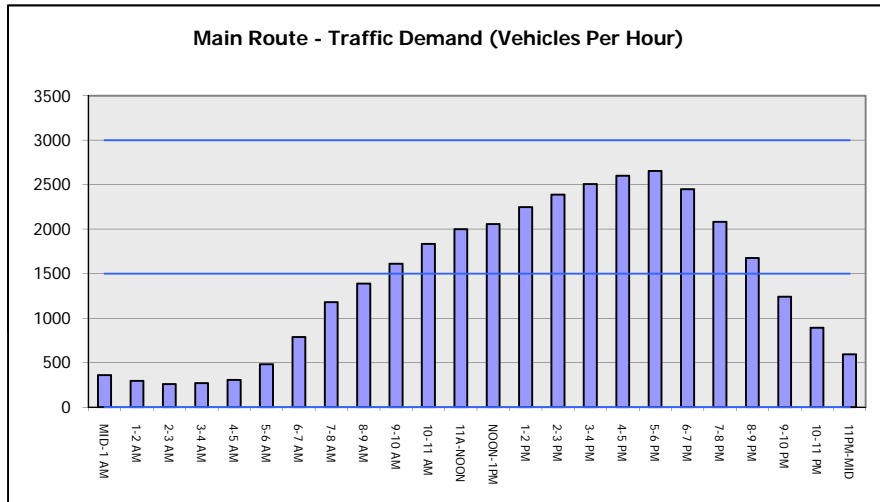
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$21,941
CONGESTED HOURS PER DAY*	2

\*Delays Exceeding 15 Minutes

**IH 39/90/94: STH 60 TO USH 51 (DANE AND COLUMBIA COUNTIES)**  
**NIGHTTIME 2 LANE CLOSURE**  
**DIVERSION ROUTE: USH 51 - STH 60**

**OCTOBER**  
 Analyzed for 2009  
 Construction Season

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



<b>IH 39/90/94: STH 60 TO USH 51 (DANE AND COLUMBIA COUNTIES) NIGHTTIME 2 LANE CLOSURE DIVERSION ROUTE: USH 51 - STH 60</b>	<b>OCTOBER</b>
	Analyzed for 2009 Construction Season

<b>SUMMARY OF TRAFFIC MODEL OUTPUT</b>	
FRIDAY	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	288	0.0	75	0.0	1500	288	0	75	0.51	0	70.2	67.1	44.3	38.8	38.8
1-2 AM	238	0.0	63	0.0	1500	238	0	63	0.50	0	70.2	67.1	44.5	38.9	38.9
2-3 AM	258	0.0	68	0.0	1500	258	0	68	0.50	0	70.2	67.1	44.5	38.9	38.9
3-4 AM	275	0.0	72	0.0	1500	275	0	72	0.51	0	70.2	67.1	44.4	38.9	38.9
4-5 AM	360	0.0	94	0.0	1500	360	0	94	0.52	0	70.2	67.0	44.0	38.6	38.6
5-6 AM	608	0.0	159	0.0	OFF	608	0	159	0.00	0	70.0	70.0	70.0	37.8	37.8
6-7 AM	951	0.0	250	0.0	OFF	951	0	250	0.00	0	69.6	69.6	69.6	36.6	36.6
7-8 AM	1066	0.0	280	0.0	OFF	1066	0	280	0.00	0	69.4	69.4	69.4	36.3	36.3
8-9 AM	1093	0.0	287	0.0	OFF	1093	0	287	0.00	0	69.4	69.4	69.4	36.2	36.2
9-10 AM	1218	0.0	319	0.0	OFF	1218	0	319	0.00	0	69.2	69.2	69.2	35.8	35.8
10-11 AM	1456	0.0	382	0.0	OFF	1456	0	382	0.00	0	68.9	68.9	68.9	35.0	35.0
11A-NOON	1623	0.0	426	0.0	OFF	1623	0	426	0.00	0	68.7	68.7	68.7	34.5	34.5
NOON-1PM	1759	0.0	461	0.0	OFF	1759	0	461	0.00	0	68.6	68.6	68.6	34.0	34.0
1-2 PM	1960	0.0	515	0.0	OFF	1960	0	515	0.00	0	68.3	68.3	68.3	33.3	33.3
2-3 PM	2144	0.0	563	0.0	OFF	2144	0	563	0.00	0	68.1	68.1	68.1	32.7	32.7
3-4 PM	2131	0.0	559	0.0	OFF	2131	0	559	0.00	0	68.1	68.1	68.1	32.8	32.8
4-5 PM	2366	0.0	620	0.0	OFF	2366	0	620	0.00	0	67.8	67.8	67.8	32.0	32.0
5-6 PM	2104	0.0	552	0.0	OFF	2104	0	552	0.00	0	68.1	68.1	68.1	32.9	32.9
6-7 PM	1772	0.0	465	0.0	OFF	1772	0	465	0.00	0	68.6	68.6	68.6	34.0	34.0
7-8 PM	1484	0.0	389	0.0	1499	1484	0	389	1.46	10	68.9	60.9	31.5	34.9	34.9
8-9 PM	1222	0.0	320	0.0	1500	1222	0	320	0.73	0	69.2	64.9	37.8	35.8	35.8
9-10 PM	933	0.0	245	0.0	1500	933	0	245	0.58	0	69.6	66.1	41.9	36.7	36.7
10-11 PM	701	0.0	184	0.0	1500	701	0	184	0.55	0	69.9	66.5	42.7	37.4	37.4
11PM-MID	447	0.0	117	0.0	1500	447	0	117	0.53	0	70.2	66.9	43.7	38.3	38.3

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

*----- 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	0.0580
MAIN ROUTE WITH WORKS	0.0576
DIVERSION	0.1614

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$1,222
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding 15 Minutes

**IH 39/90/94: STH 60 TO USH 51 (DANE AND COLUMBIA COUNTIES)**  
**NIGHTTIME 2 LANE CLOSURE**  
**DIVERSION ROUTE: USH 51 - STH 60**

**OCTOBER**  
 Analyzed for 2009  
 Construction Season

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

