

**IH 39/90/94: STH 60 TO USH 51 (DANE AND COLUMBIA COUNTIES)  
OFF-PEAK DAY CLOSURE  
DIVERSION ROUTE: USH 51 - STH 60**

**AUGUST**  
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	475	0.0	125	0.0	OFF	475	0	125	0.00	0	70.2	70.2	70.2	38.2	38.2
1-2 AM	373	0.0	98	0.0	OFF	373	0	98	0.00	0	70.2	70.2	70.2	38.5	38.5
2-3 AM	312	0.0	82	0.0	OFF	312	0	82	0.00	0	70.2	70.2	70.2	38.8	38.8
3-4 AM	289	0.0	75	0.0	OFF	289	0	75	0.00	0	70.2	70.2	70.2	38.8	38.8
4-5 AM	332	0.0	87	0.0	OFF	332	0	87	0.00	0	70.2	70.2	70.2	38.7	38.7
5-6 AM	500	0.0	131	0.0	OFF	500	0	131	0.00	0	70.1	70.1	70.1	38.1	38.1
6-7 AM	873	0.0	229	0.0	OFF	873	0	229	0.00	0	69.7	69.7	69.7	36.9	36.9
7-8 AM	1325	0.0	347	0.0	OFF	1325	0	347	0.00	0	69.1	69.1	69.1	35.5	35.5
8-9 AM	1758	0.0	461	0.0	OFF	1758	0	461	0.00	0	68.6	68.6	68.6	34.0	34.0
9-10 AM	2259	0.0	593	0.0	3000	2259	0	593	0.33	0	67.9	66.0	49.7	32.4	32.4
10-11 AM	2618	0.0	687	0.0	3000	2618	0	687	0.48	0	67.5	64.8	44.2	31.2	31.2
11A-NOON	2801	0.0	736	0.0	3000	2801	0	736	0.60	0	67.3	63.9	40.6	30.6	30.6
NOON-1PM	2936	0.0	770	0.0	3000	2936	0	770	0.69	0	67.1	63.3	38.3	30.2	30.2
1-2 PM	2949	0.0	774	0.0	2999	2949	0	774	0.70	0	67.1	63.2	38.1	30.1	30.1
2-3 PM	3303	0.0	866	0.0	2999	3303	0	866	2.90	129	66.6	53.2	37.3	29.0	29.0
3-4 PM	3655	0.0	960	0.0	3000	3655	0	960	11.42	621	65.9	33.3	37.3	27.8	27.8
4-5 PM	3580	0.0	940	0.0	OFF	3580	0	940	3.14	189	66.3	52.2	52.2	28.1	28.1
5-6 PM	3520	0.0	924	0.0	OFF	3520	0	924	0.00	0	66.4	66.4	66.4	28.3	28.3
6-7 PM	3613	0.0	948	0.0	OFF	3613	0	948	0.00	0	66.2	66.2	66.2	27.9	27.9
7-8 PM	2864	0.0	751	0.0	OFF	2864	0	751	0.00	0	67.2	67.2	67.2	30.4	30.4
8-9 PM	2225	0.0	584	0.0	OFF	2225	0	584	0.00	0	67.9	67.9	67.9	32.5	32.5
9-10 PM	1785	0.0	469	0.0	OFF	1785	0	469	0.00	0	68.5	68.5	68.5	33.9	33.9
10-11 PM	1283	0.0	337	0.0	OFF	1283	0	337	0.00	0	69.1	69.1	69.1	35.6	35.6
11PM-MID	897	0.0	235	0.0	OFF	897	0	235	0.00	0	69.6	69.6	69.6	36.8	36.8

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

*----- 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	0.0948
MAIN ROUTE WITH WORKS	0.0934
DIVERSION	0.2639

PIA: Personal Injury Accidents

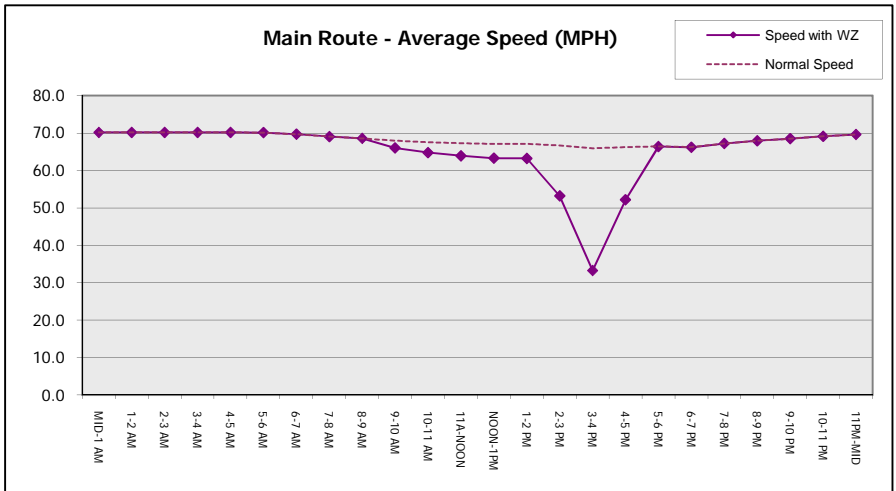
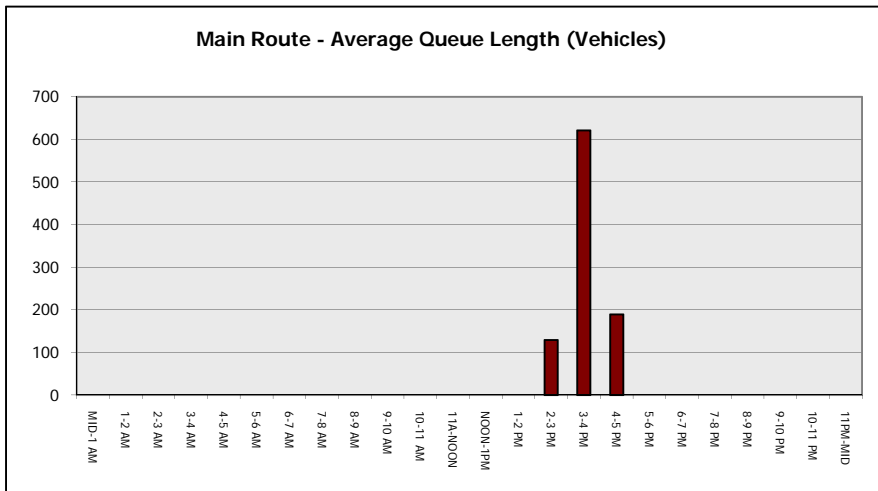
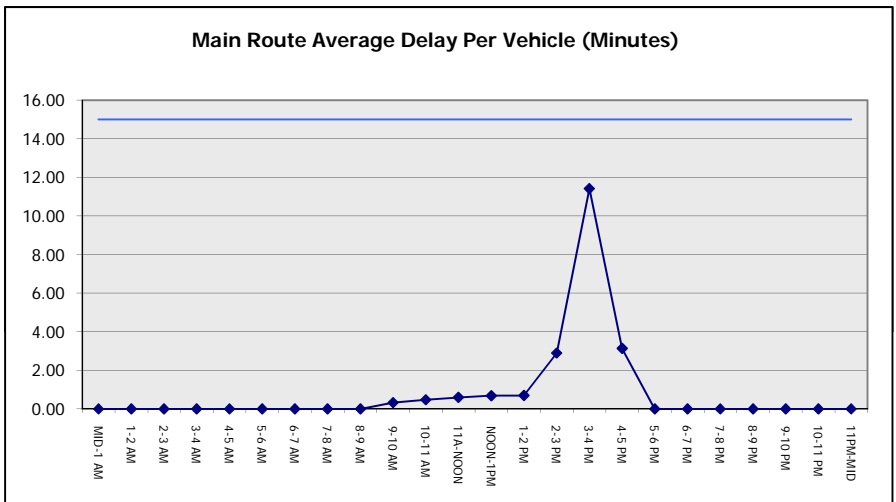
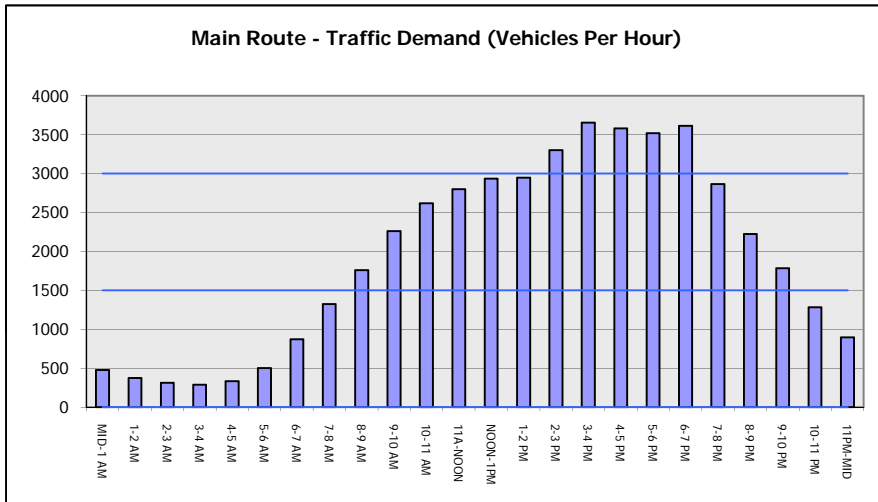
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$9,283
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding 15 Minutes

**IH 39/90/94: STH 60 TO USH 51 (DANE AND COLUMBIA COUNTIES)**  
**OFF-PEAK DAY CLOSURE**  
**DIVERSION ROUTE: USH 51 - STH 60**

**AUGUST**  
 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) OFF-PEAK DAY CLOSURE DIVERSION ROUTE: USH 51 - STH 60</b>	<b>AUGUST</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	348	0.0	91	0.0	OFF	348	0	91	0.00	0	70.2	70.2	70.2	38.6	38.6
1-2 AM	306	0.0	81	0.0	OFF	306	0	81	0.00	0	70.2	70.2	70.2	38.8	38.8
2-3 AM	270	0.0	71	0.0	OFF	270	0	71	0.00	0	70.2	70.2	70.2	38.9	38.9
3-4 AM	293	0.0	77	0.0	OFF	293	0	77	0.00	0	70.2	70.2	70.2	38.8	38.8
4-5 AM	368	0.0	96	0.0	OFF	368	0	96	0.00	0	70.2	70.2	70.2	38.6	38.6
5-6 AM	642	0.0	168	0.0	OFF	642	0	168	0.00	0	69.9	69.9	69.9	37.6	37.6
6-7 AM	967	0.0	254	0.0	OFF	967	0	254	0.00	0	69.6	69.6	69.6	36.6	36.6
7-8 AM	1095	0.0	288	0.0	OFF	1095	0	288	0.00	0	69.4	69.4	69.4	36.1	36.1
8-9 AM	1143	0.0	300	0.0	OFF	1143	0	300	0.00	0	69.3	69.3	69.3	36.0	36.0
9-10 AM	1392	0.0	365	0.0	3000	1392	0	365	0.34	0	69.0	66.9	49.7	35.2	35.2
10-11 AM	1777	0.0	467	0.0	3000	1777	0	467	0.34	0	68.5	66.5	49.7	34.0	34.0
11A-NOON	1971	0.0	517	0.0	3000	1971	0	517	0.34	0	68.3	66.3	49.7	33.3	33.3
NOON-1PM	1991	0.0	522	0.0	3000	1991	0	522	0.33	0	68.2	66.3	49.7	33.3	33.3
1-2 PM	2254	0.0	591	0.0	3000	2254	0	591	0.33	0	67.9	66.0	49.7	32.4	32.4
2-3 PM	2524	0.0	662	0.0	3000	2524	0	662	0.42	0	67.6	65.2	46.2	31.5	31.5
3-4 PM	2461	0.0	647	0.0	3000	2461	0	647	0.38	0	67.7	65.5	47.8	31.7	31.7
4-5 PM	2411	0.0	633	0.0	OFF	2411	0	633	0.00	0	67.8	67.8	67.8	31.9	31.9
5-6 PM	2194	0.0	576	0.0	OFF	2194	0	576	0.00	0	68.0	68.0	68.0	32.6	32.6
6-7 PM	1880	0.0	494	0.0	OFF	1880	0	494	0.00	0	68.4	68.4	68.4	33.6	33.6
7-8 PM	1624	0.0	427	0.0	OFF	1624	0	427	0.00	0	68.7	68.7	68.7	34.5	34.5
8-9 PM	1432	0.0	376	0.0	OFF	1432	0	376	0.00	0	68.9	68.9	68.9	35.1	35.1
9-10 PM	1184	0.0	311	0.0	OFF	1184	0	311	0.00	0	69.2	69.2	69.2	35.9	35.9
10-11 PM	900	0.0	236	0.0	OFF	900	0	236	0.00	0	69.6	69.6	69.6	36.8	36.8
11PM-MID	611	0.0	160	0.0	OFF	611	0	160	0.00	0	70.0	70.0	70.0	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	0.0653
MAIN ROUTE WITH WORKS	0.0643
DIVERSION	0.1818

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$679
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding 15 Minutes

**IH 39/90/94: STH 60 TO USH 51 (DANE AND COLUMBIA COUNTIES)**  
**OFF-PEAK DAY CLOSURE**  
**DIVERSION ROUTE: USH 51 - STH 60**

**AUGUST**  
 Analyzed for 2009  
 Construction Season

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

