

<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>AUGUST</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	475	0.0	125	0.0	1500	475	0	125	0.53	0	70.2	66.9	43.6	38.2	38.2
1-2 AM	373	0.0	98	0.0	1500	373	0	98	0.52	0	70.2	67.0	44.0	38.5	38.5
2-3 AM	312	0.0	82	0.0	1500	312	0	82	0.51	0	70.2	67.1	44.2	38.8	38.8
3-4 AM	289	0.0	75	0.0	1500	289	0	75	0.51	0	70.2	67.1	44.3	38.8	38.8
4-5 AM	332	0.0	87	0.0	1500	332	0	87	0.51	0	70.2	67.0	44.2	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	OFF	2259	0	593	0.00	0	67.9	67.9	67.9	32.4	32.4
10-11 AM	2618	0.0	687	0.0	OFF	2618	0	687	0.00	0	67.5	67.5	67.5	31.2	31.2
11A-NOON	2801	0.0	736	0.0	OFF	2801	0	736	0.00	0	67.3	67.3	67.3	30.6	30.6
NOON-1PM	2936	0.0	770	0.0	OFF	2936	0	770	0.00	0	67.1	67.1	67.1	30.2	30.2
1-2 PM	2949	0.0	774	0.0	OFF	2949	0	774	0.00	0	67.1	67.1	67.1	30.1	30.1
2-3 PM	3303	0.0	866	0.0	OFF	3303	0	866	0.00	0	66.6	66.6	66.6	29.0	29.0
3-4 PM	3655	0.0	960	0.0	OFF	3655	0	960	0.00	0	65.9	65.9	65.9	27.8	27.8
4-5 PM	3580	0.0	940	0.0	OFF	3580	0	940	0.00	0	66.3	66.3	66.3	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	1499	2558	306	1057	22.96	649	67.2	22.3	30.8	30.4	26.6
8-9 PM	2225	0.0	584	0.0	1499	1352	873	1457+	39.67	1014	67.9	15.1	30.8	32.5	21.7
9-10 PM	1785	0.0	469	0.0	1499	1207	578	1046	30.05	764	68.5	18.6	30.8	33.9	26.8
10-11 PM	1283	0.0	337	0.0	1499	1207	76	413	19.03	476	69.1	25.5	30.8	35.6	34.6
11PM-MID	897	0.0	235	0.0	1499	897	0	235	3.62	103	69.6	52.4	39.5	36.8	36.8

"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	0.0948
MAIN ROUTE WITH WORKS	0.0904
DIVERSION	0.3035

PIA: Personal Injury Accidents

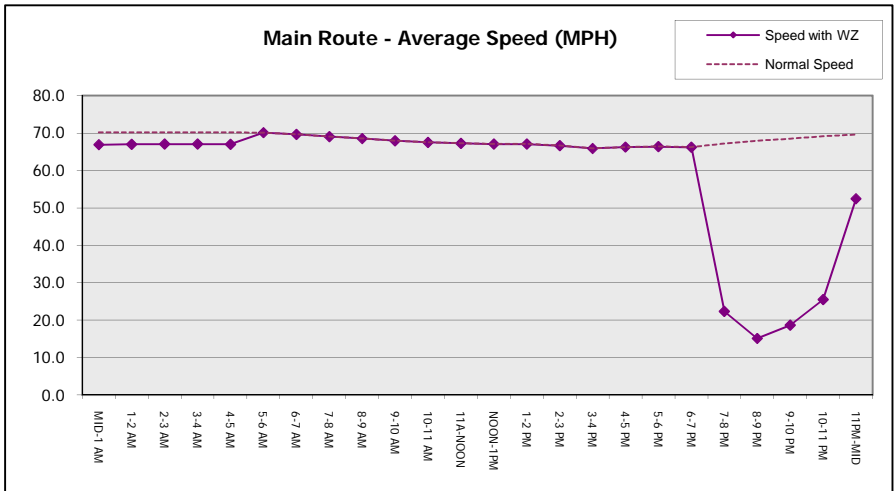
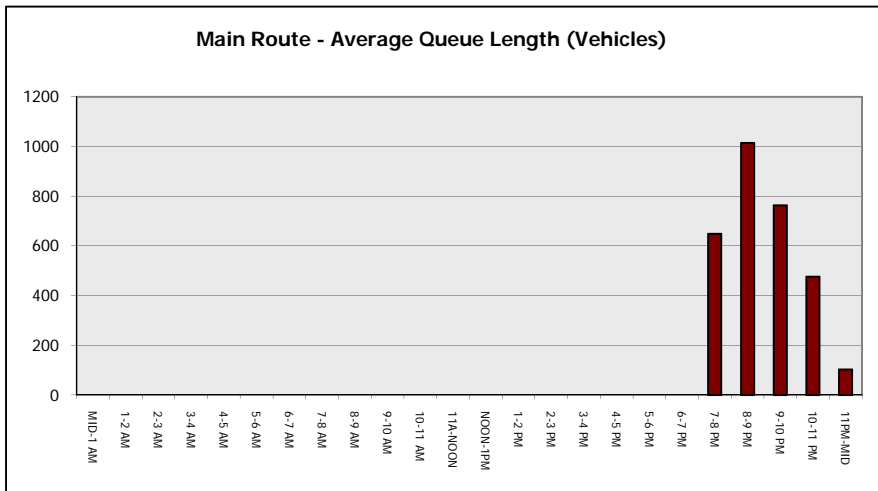
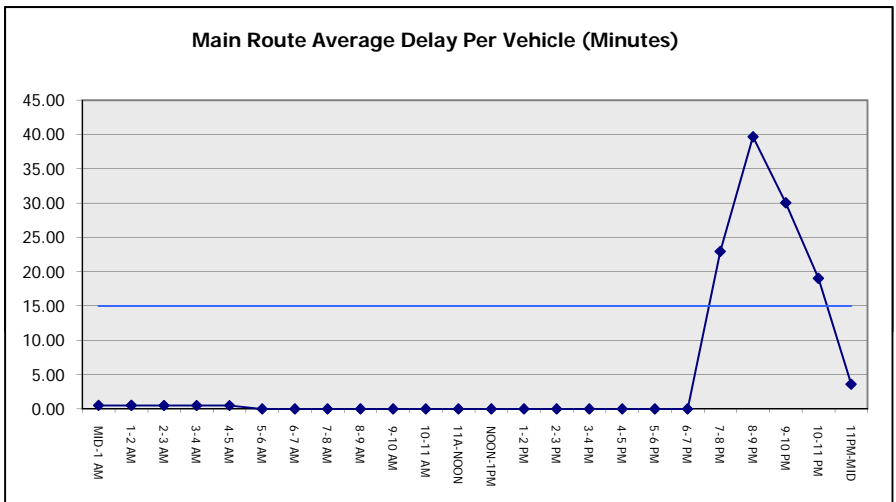
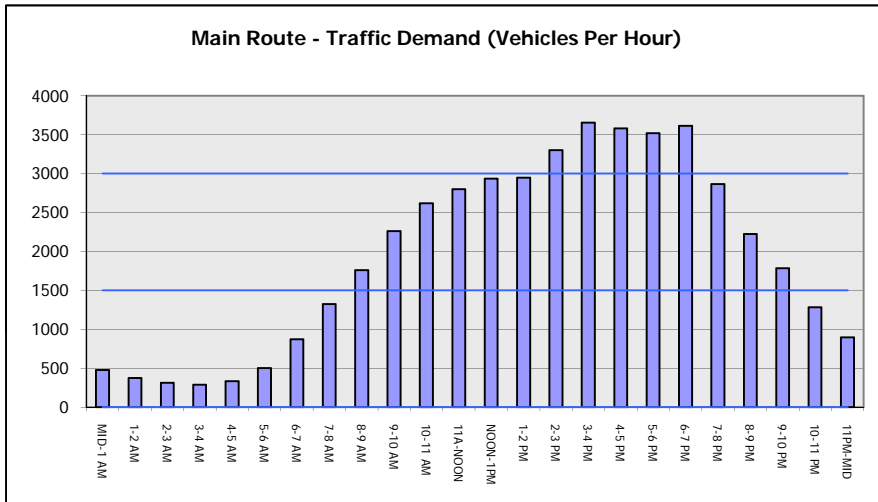
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$64,126
CONGESTED HOURS PER DAY*	4

\*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**

**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) NIGHTTIME 2 LANE 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	1500	348	0	91	0.52	0	70.2	67.0	44.1	38.6	38.6
1-2 AM	306	0.0	81	0.0	1500	306	0	81	0.51	0	70.2	67.1	44.3	38.8	38.8
2-3 AM	270	0.0	71	0.0	1500	270	0	71	0.51	0	70.2	67.1	44.4	38.9	38.9
3-4 AM	293	0.0	77	0.0	1500	293	0	77	0.51	0	70.2	67.1	44.3	38.8	38.8
4-5 AM	368	0.0	96	0.0	1500	368	0	96	0.52	0	70.2	67.0	44.0	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	OFF	1392	0	365	0.00	0	69.0	69.0	69.0	35.2	35.2
10-11 AM	1777	0.0	467	0.0	OFF	1777	0	467	0.00	0	68.5	68.5	68.5	34.0	34.0
11A-NOON	1971	0.0	517	0.0	OFF	1971	0	517	0.00	0	68.3	68.3	68.3	33.3	33.3
NOON-1PM	1991	0.0	522	0.0	OFF	1991	0	522	0.00	0	68.2	68.2	68.2	33.3	33.3
1-2 PM	2254	0.0	591	0.0	OFF	2254	0	591	0.00	0	67.9	67.9	67.9	32.4	32.4
2-3 PM	2524	0.0	662	0.0	OFF	2524	0	662	0.00	0	67.6	67.6	67.6	31.5	31.5
3-4 PM	2461	0.0	647	0.0	OFF	2461	0	647	0.00	0	67.7	67.7	67.7	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	1499	1624	0	427	3.90	76	68.7	50.9	30.8	34.5	34.5
8-9 PM	1432	0.0	376	0.0	1499	1432	0	376	5.04	104	68.9	47.5	30.9	35.1	35.1
9-10 PM	1184	0.0	311	0.0	1500	1184	0	311	0.92	6	69.2	64.0	38.8	35.9	35.9
10-11 PM	900	0.0	236	0.0	1500	900	0	236	0.58	0	69.6	66.1	42.0	36.8	36.8
11PM-MID	611	0.0	160	0.0	1500	611	0	160	0.54	0	70.0	66.6	43.1	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	0.0648
DIVERSION	0.1818

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$4,427
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**

**AUGUST**  
 Analyzed for 2009  
 Construction Season

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

