

**IH 39/90/94: STH 60 TO USH 51 (DANE AND COLUMBIA COUNTIES)  
CONTINUOUS (24 HOUR) 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	3000	475	0	125	0.36	0	70.2	67.9	49.7	38.2	38.2
1-2 AM	373	0.0	98	0.0	3000	373	0	98	0.36	0	70.2	67.9	49.7	38.5	38.5
2-3 AM	312	0.0	82	0.0	3000	312	0	82	0.36	0	70.2	67.9	49.7	38.8	38.8
3-4 AM	289	0.0	75	0.0	3000	289	0	75	0.36	0	70.2	67.9	49.7	38.8	38.8
4-5 AM	332	0.0	87	0.0	3000	332	0	87	0.36	0	70.2	67.9	49.7	38.7	38.7
5-6 AM	500	0.0	131	0.0	3000	500	0	131	0.36	0	70.1	67.9	49.7	38.1	38.1
6-7 AM	873	0.0	229	0.0	3000	873	0	229	0.35	0	69.7	67.5	49.7	36.9	36.9
7-8 AM	1325	0.0	347	0.0	3000	1325	0	347	0.35	0	69.1	67.0	49.7	35.5	35.5
8-9 AM	1758	0.0	461	0.0	3000	1758	0	461	0.34	0	68.6	66.5	49.7	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	2999	3578	2	942	23.10	1251	66.3	22.1	37.3	28.1	28.1
5-6 PM	3520	0.0	924	0.0	3000	3307	213	1137	31.49	1703	66.4	17.8	37.3	28.3	25.6
6-7 PM	3613	0.0	948	0.0	3000	3208	405	1353+	36.50	1980	66.2	16.0	37.3	27.9	22.9
7-8 PM	2864	0.0	751	0.0	3000	2418	446	1197	32.93	1783	67.2	17.3	37.3	30.4	24.9
8-9 PM	2225	0.0	584	0.0	2999	2185	40	624	19.96	1082	67.9	24.6	37.6	32.5	32.0
9-10 PM	1785	0.0	469	0.0	2999	1785	0	469	3.00	192	68.5	54.0	48.8	33.9	33.9
10-11 PM	1283	0.0	337	0.0	3000	1283	0	337	0.35	0	69.1	67.1	49.7	35.6	35.6
11PM-MID	897	0.0	235	0.0	3000	897	0	235	0.35	0	69.6	67.4	49.7	36.8	36.8

+ 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	0.0895
DIVERSION	0.2878

PIA: Personal Injury Accidents

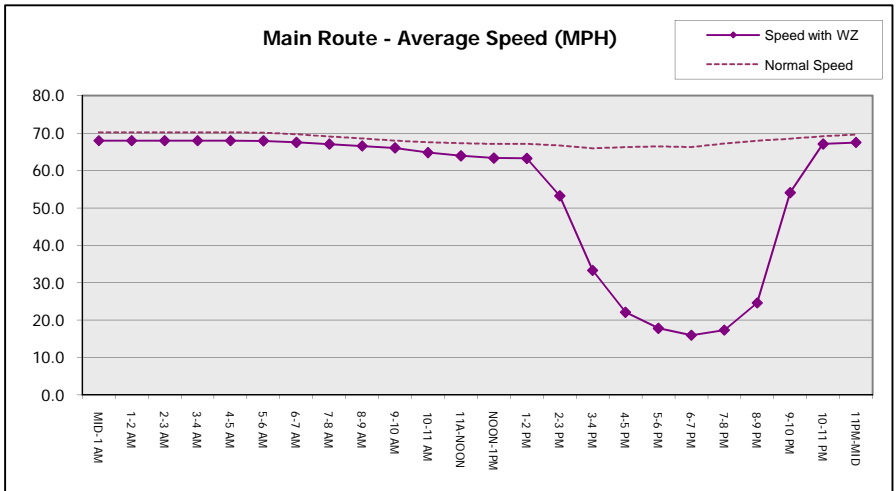
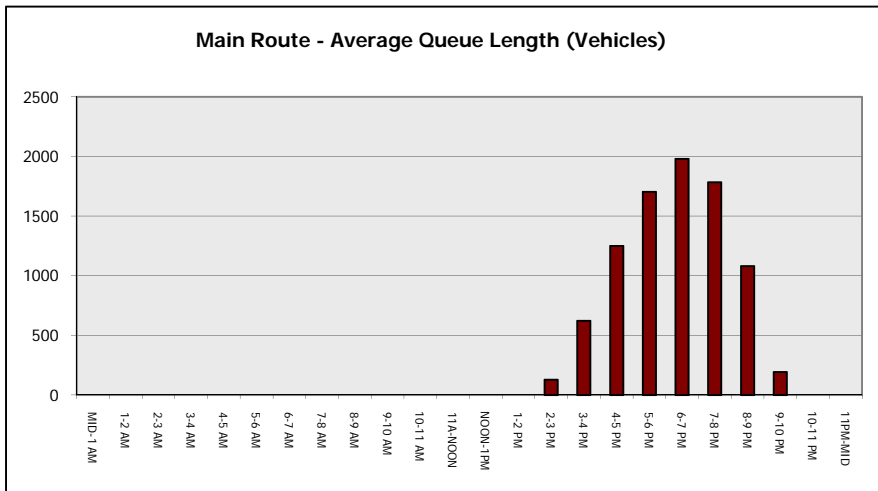
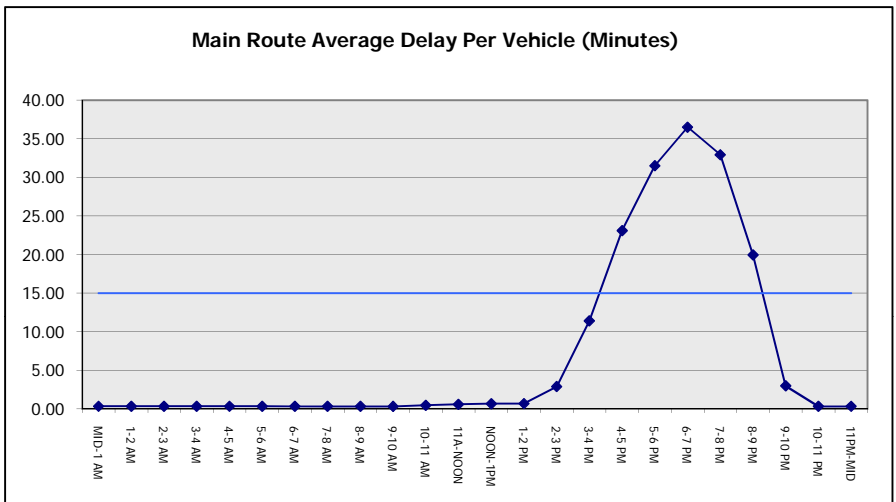
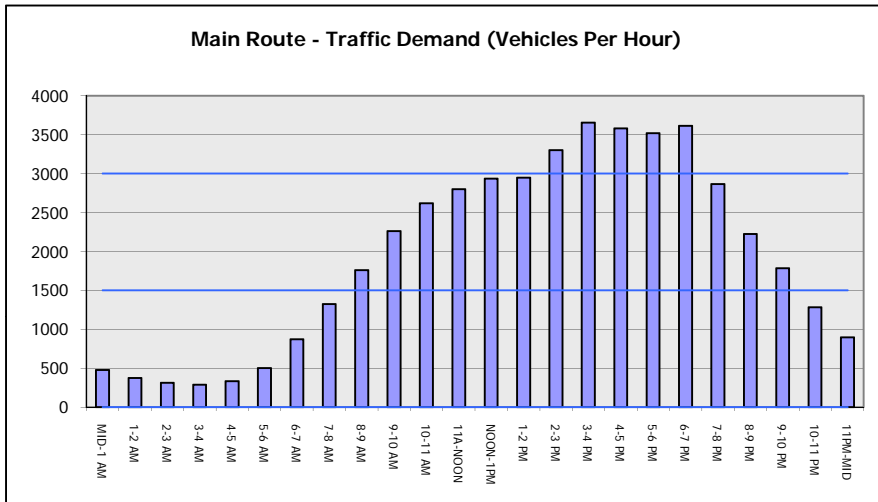
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$127,666
CONGESTED HOURS PER DAY*	5

\*Delays Exceeding 15 Minutes

**IH 39/90/94: STH 60 TO USH 51 (DANE AND COLUMBIA COUNTIES)**  
**CONTINUOUS (24 HOUR) 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)                  CONTINUOUS (24 HOUR) CLOSURE                  DIVERSION ROUTE: USH 51 - STH 60</b>	<b>AUGUST</b>
	Analyzed for 2009 Construction Season

**SUMMARY OF TRAFFIC MODEL OUTPUT**

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	3000	348	0	91	0.36	0	70.2	67.9	49.7	38.6	38.6
1-2 AM	306	0.0	81	0.0	3000	306	0	81	0.36	0	70.2	67.9	49.7	38.8	38.8
2-3 AM	270	0.0	71	0.0	3000	270	0	71	0.36	0	70.2	67.9	49.7	38.9	38.9
3-4 AM	293	0.0	77	0.0	3000	293	0	77	0.36	0	70.2	67.9	49.7	38.8	38.8
4-5 AM	368	0.0	96	0.0	3000	368	0	96	0.36	0	70.2	67.9	49.7	38.6	38.6
5-6 AM	642	0.0	168	0.0	3000	642	0	168	0.36	0	69.9	67.8	49.7	37.6	37.6
6-7 AM	967	0.0	254	0.0	3000	967	0	254	0.35	0	69.6	67.4	49.7	36.6	36.6
7-8 AM	1095	0.0	288	0.0	3000	1095	0	288	0.35	0	69.4	67.3	49.7	36.1	36.1
8-9 AM	1143	0.0	300	0.0	3000	1143	0	300	0.35	0	69.3	67.2	49.7	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	3000	2411	0	633	0.34	0	67.8	65.8	49.1	31.9	31.9
5-6 PM	2194	0.0	576	0.0	3000	2194	0	576	0.33	0	68.0	66.1	49.7	32.6	32.6
6-7 PM	1880	0.0	494	0.0	3000	1880	0	494	0.34	0	68.4	66.4	49.7	33.6	33.6
7-8 PM	1624	0.0	427	0.0	3000	1624	0	427	0.34	0	68.7	66.7	49.7	34.5	34.5
8-9 PM	1432	0.0	376	0.0	3000	1432	0	376	0.34	0	68.9	66.9	49.7	35.1	35.1
9-10 PM	1184	0.0	311	0.0	3000	1184	0	311	0.35	0	69.2	67.1	49.7	35.9	35.9
10-11 PM	900	0.0	236	0.0	3000	900	0	236	0.35	0	69.6	67.4	49.7	36.8	36.8
11PM-MID	611	0.0	160	0.0	3000	611	0	160	0.36	0	70.0	67.8	49.7	37.8	37.8

*----- 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	0.0632
DIVERSION	0.1818

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$2,699
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding 15 Minutes

**IH 39/90/94: STH 60 TO USH 51 (DANE AND COLUMBIA COUNTIES)**  
**CONTINUOUS (24 HOUR) CLOSURE**  
**DIVERSION ROUTE: USH 51 - STH 60**

**AUGUST**  
 Analyzed for 2009  
 Construction Season

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

