

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

**MAY**  
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	380	0.0	99	0.0	3000	380	0	99	0.36	0	70.2	67.9	49.7	38.5	38.5
1-2 AM	289	0.0	76	0.0	3000	289	0	76	0.36	0	70.2	67.9	49.7	38.8	38.8
2-3 AM	272	0.0	71	0.0	3000	272	0	71	0.36	0	70.2	67.9	49.7	38.9	38.9
3-4 AM	252	0.0	66	0.0	3000	252	0	66	0.36	0	70.2	67.9	49.7	38.9	38.9
4-5 AM	324	0.0	85	0.0	3000	324	0	85	0.36	0	70.2	67.9	49.7	38.7	38.7
5-6 AM	524	0.0	137	0.0	3000	524	0	137	0.36	0	70.1	67.9	49.7	38.1	38.1
6-7 AM	885	0.0	232	0.0	3000	885	0	232	0.35	0	69.6	67.5	49.7	36.9	36.9
7-8 AM	1372	0.0	360	0.0	3000	1372	0	360	0.34	0	69.1	66.9	49.7	35.3	35.3
8-9 AM	1575	0.0	413	0.0	3000	1575	0	413	0.34	0	68.8	66.8	49.7	34.6	34.6
9-10 AM	1807	0.0	474	0.0	3000	1807	0	474	0.34	0	68.5	66.5	49.7	33.8	33.8
10-11 AM	1991	0.0	522	0.0	3000	1991	0	522	0.33	0	68.2	66.3	49.7	33.3	33.3
11A-NOON	2150	0.0	564	0.0	3000	2150	0	564	0.33	0	68.1	66.1	49.7	32.7	32.7
NOON-1PM	2214	0.0	581	0.0	3000	2214	0	581	0.33	0	68.0	66.1	49.7	32.5	32.5
1-2 PM	2516	0.0	660	0.0	3000	2516	0	660	0.41	0	67.6	65.3	46.5	31.5	31.5
2-3 PM	2851	0.0	748	0.0	2999	2851	0	748	0.63	0	67.2	63.7	39.7	30.4	30.4
3-4 PM	3073	0.0	807	0.0	2999	3073	0	807	1.12	22	66.9	61.0	37.3	29.7	29.7
4-5 PM	3308	0.0	869	0.0	3000	3308	0	869	4.52	218	66.6	47.9	37.3	28.9	28.9
5-6 PM	3357	0.0	881	0.0	3000	3357	0	881	10.79	565	66.6	34.4	37.3	28.8	28.8
6-7 PM	3123	0.0	819	0.0	2999	3123	0	819	15.60	821	66.9	28.3	37.3	29.6	29.6
7-8 PM	2657	0.0	697	0.0	2999	2657	0	697	13.80	724	67.4	30.5	37.3	31.1	31.1
8-9 PM	2000	0.0	525	0.0	2999	2000	0	525	2.62	154	68.2	55.4	47.6	33.2	33.2
9-10 PM	1546	0.0	406	0.0	3000	1546	0	406	0.34	0	68.8	66.8	49.7	34.7	34.7
10-11 PM	1104	0.0	290	0.0	3000	1104	0	290	0.35	0	69.4	67.3	49.7	36.1	36.1
11PM-MID	758	0.0	199	0.0	3000	758	0	199	0.35	0	69.8	67.6	49.7	37.3	37.3

*----- 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	0.0821
MAIN ROUTE WITH WORKS	0.0795
DIVERSION	0.2287

PIA: Personal Injury Accidents

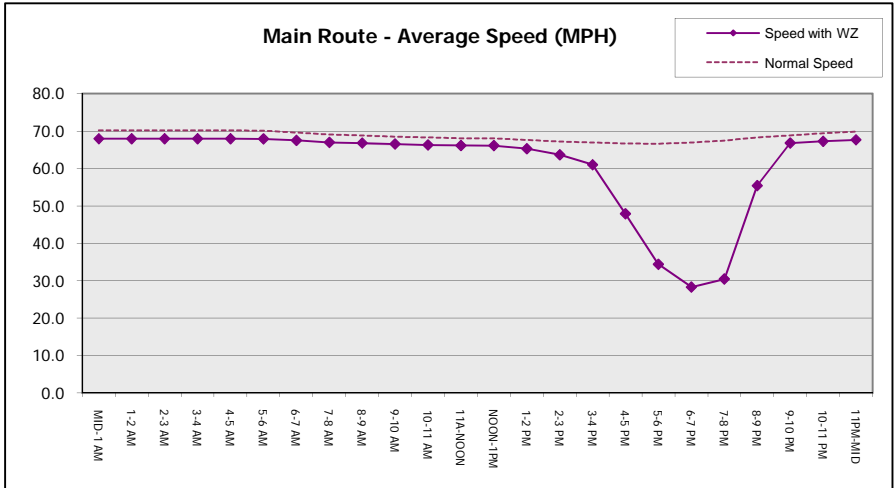
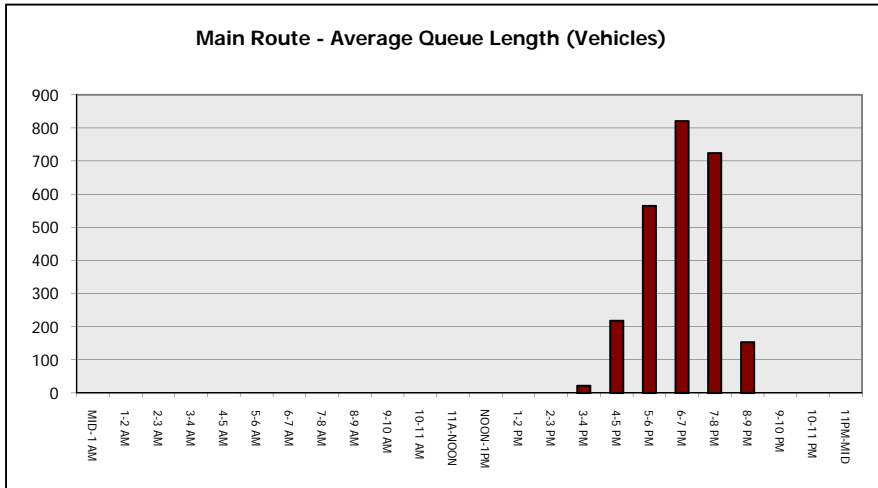
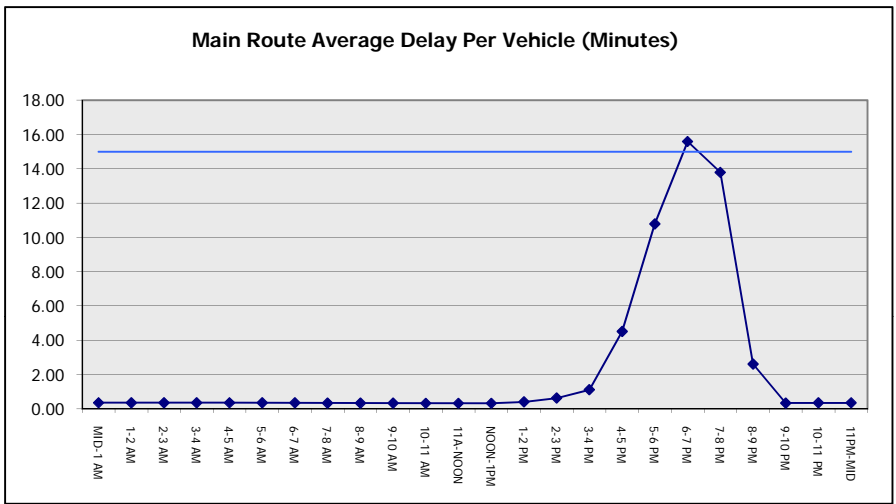
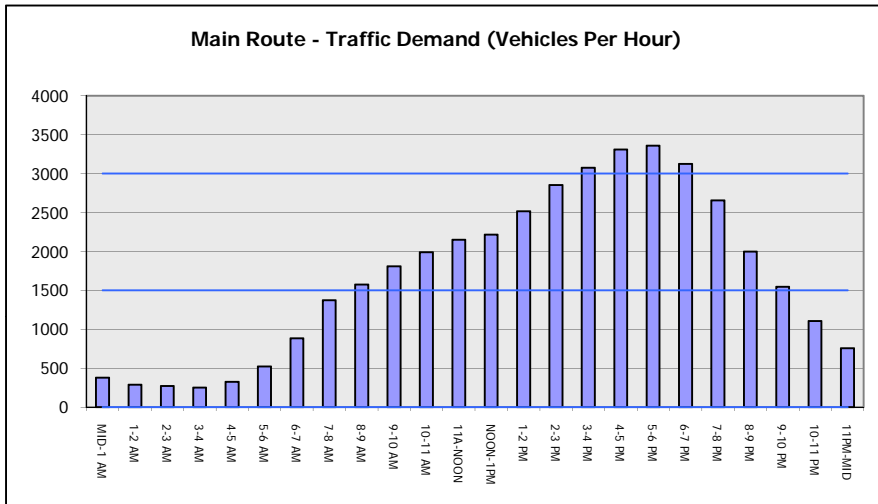
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$34,274
CONGESTED HOURS PER DAY*	1

\*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**

**MAY**  
 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)</b> <b>CONTINUOUS (24 HOUR) CLOSURE</b> <b>DIVERSION ROUTE: USH 51 - STH 60</b>	<b>MAY</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	296	0.0	77	0.0	3000	296	0	77	0.36	0	70.2	67.9	49.7	38.8	38.8
1-2 AM	249	0.0	65	0.0	3000	249	0	65	0.36	0	70.2	67.9	49.7	38.9	38.9
2-3 AM	248	0.0	65	0.0	3000	248	0	65	0.36	0	70.2	67.9	49.7	38.9	38.9
3-4 AM	270	0.0	71	0.0	3000	270	0	71	0.36	0	70.2	67.9	49.7	38.9	38.9
4-5 AM	346	0.0	91	0.0	3000	346	0	91	0.36	0	70.2	67.9	49.7	38.6	38.6
5-6 AM	624	0.0	163	0.0	3000	624	0	163	0.36	0	70.0	67.8	49.7	37.7	37.7
6-7 AM	965	0.0	253	0.0	3000	965	0	253	0.35	0	69.6	67.4	49.7	36.6	36.6
7-8 AM	1069	0.0	280	0.0	3000	1069	0	280	0.35	0	69.4	67.3	49.7	36.3	36.3
8-9 AM	1064	0.0	279	0.0	3000	1064	0	279	0.35	0	69.4	67.3	49.7	36.3	36.3
9-10 AM	1207	0.0	317	0.0	3000	1207	0	317	0.35	0	69.2	67.1	49.7	35.8	35.8
10-11 AM	1416	0.0	371	0.0	3000	1416	0	371	0.34	0	69.0	66.9	49.7	35.1	35.1
11A-NOON	1509	0.0	396	0.0	3000	1509	0	396	0.34	0	68.9	66.8	49.7	34.8	34.8
NOON-1PM	1629	0.0	428	0.0	3000	1629	0	428	0.34	0	68.7	66.7	49.7	34.4	34.4
1-2 PM	1759	0.0	461	0.0	3000	1759	0	461	0.34	0	68.6	66.5	49.7	34.0	34.0
2-3 PM	2011	0.0	528	0.0	3000	2011	0	528	0.33	0	68.2	66.3	49.7	33.2	33.2
3-4 PM	2002	0.0	525	0.0	3000	2002	0	525	0.33	0	68.2	66.3	49.7	33.2	33.2
4-5 PM	2041	0.0	536	0.0	3000	2041	0	536	0.33	0	68.2	66.3	49.7	33.1	33.1
5-6 PM	1924	0.0	505	0.0	3000	1924	0	505	0.34	0	68.4	66.4	49.7	33.5	33.5
6-7 PM	1612	0.0	423	0.0	3000	1612	0	423	0.34	0	68.7	66.7	49.7	34.5	34.5
7-8 PM	1418	0.0	373	0.0	3000	1418	0	373	0.34	0	69.0	66.9	49.7	35.1	35.1
8-9 PM	1207	0.0	317	0.0	3000	1207	0	317	0.35	0	69.2	67.1	49.7	35.8	35.8
9-10 PM	1060	0.0	278	0.0	3000	1060	0	278	0.35	0	69.4	67.3	49.7	36.3	36.3
10-11 PM	785	0.0	206	0.0	3000	785	0	206	0.35	0	69.7	67.6	49.7	37.2	37.2
11PM-MID	479	0.0	126	0.0	3000	479	0	126	0.36	0	70.1	67.9	49.7	38.2	38.2

*----- 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	0.0554
MAIN ROUTE WITH WORKS	0.0536
DIVERSION	0.1543

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$2,071
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**

**MAY**  
 Analyzed for 2009  
 Construction Season

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

