

**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**  
MON-THUR 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	279	0.0	73	0.0	3000	279	0	73	0.36	0	70.2	67.9	49.7	38.8	38.8
1-2 AM	227	0.0	60	0.0	3000	227	0	60	0.36	0	70.2	67.9	49.7	39.0	39.0
2-3 AM	204	0.0	53	0.0	3000	204	0	53	0.36	0	70.2	67.9	49.7	39.1	39.1
3-4 AM	211	0.0	55	0.0	3000	211	0	55	0.36	0	70.2	67.9	49.7	39.1	39.1
4-5 AM	253	0.0	66	0.0	3000	253	0	66	0.36	0	70.2	67.9	49.7	38.9	38.9
5-6 AM	400	0.0	105	0.0	3000	400	0	105	0.36	0	70.2	67.9	49.7	38.4	38.4
6-7 AM	724	0.0	190	0.0	3000	724	0	190	0.35	0	69.9	67.6	49.7	37.4	37.4
7-8 AM	1081	0.0	284	0.0	3000	1081	0	284	0.35	0	69.4	67.3	49.7	36.2	36.2
8-9 AM	1187	0.0	312	0.0	3000	1187	0	312	0.35	0	69.2	67.1	49.7	35.9	35.9
9-10 AM	1239	0.0	325	0.0	3000	1239	0	325	0.35	0	69.2	67.1	49.7	35.7	35.7
10-11 AM	1307	0.0	343	0.0	3000	1307	0	343	0.35	0	69.1	67.0	49.7	35.5	35.5
11A-NOON	1323	0.0	347	0.0	3000	1323	0	347	0.35	0	69.1	67.0	49.7	35.5	35.5
NOON-1PM	1380	0.0	362	0.0	3000	1380	0	362	0.34	0	69.0	66.9	49.7	35.3	35.3
1-2 PM	1465	0.0	384	0.0	3000	1465	0	384	0.34	0	68.9	66.9	49.7	35.0	35.0
2-3 PM	1525	0.0	400	0.0	3000	1525	0	400	0.34	0	68.9	66.8	49.7	34.8	34.8
3-4 PM	1652	0.0	433	0.0	3000	1652	0	433	0.34	0	68.7	66.6	49.7	34.3	34.3
4-5 PM	1769	0.0	465	0.0	3000	1769	0	465	0.34	0	68.6	66.5	49.7	34.0	34.0
5-6 PM	1616	0.0	424	0.0	3000	1616	0	424	0.34	0	68.7	66.7	49.7	34.5	34.5
6-7 PM	1197	0.0	314	0.0	3000	1197	0	314	0.35	0	69.2	67.1	49.7	35.8	35.8
7-8 PM	940	0.0	247	0.0	3000	940	0	247	0.35	0	69.6	67.4	49.7	36.7	36.7
8-9 PM	796	0.0	209	0.0	3000	796	0	209	0.35	0	69.7	67.6	49.7	37.1	37.1
9-10 PM	696	0.0	182	0.0	3000	696	0	182	0.36	0	69.9	67.7	49.7	37.5	37.5
10-11 PM	542	0.0	142	0.0	3000	542	0	142	0.36	0	70.0	67.8	49.7	38.0	38.0
11PM-MID	426	0.0	112	0.0	3000	426	0	112	0.36	0	70.2	67.9	49.7	38.4	38.4

**\*----- 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	0.0457
MAIN ROUTE WITH WORKS	0.0442
DIVERSION	0.1273

PIA: Personal Injury Accidents

**IMPACTS ON ROAD USERS**

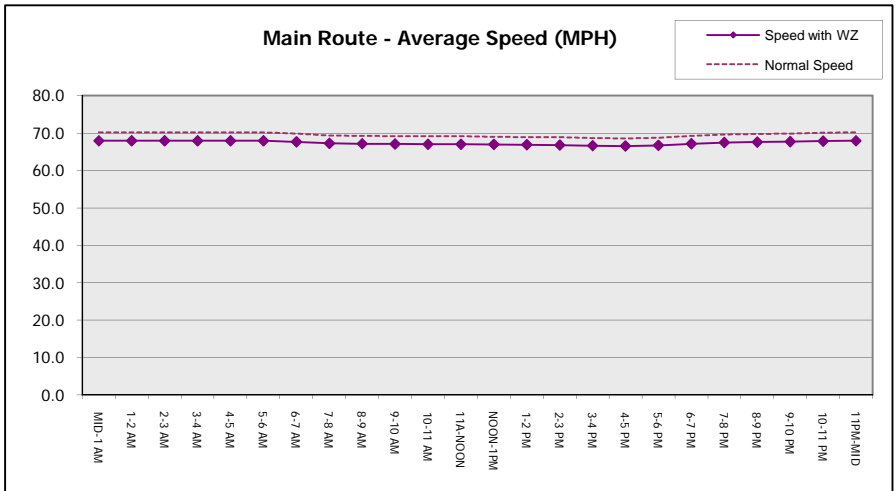
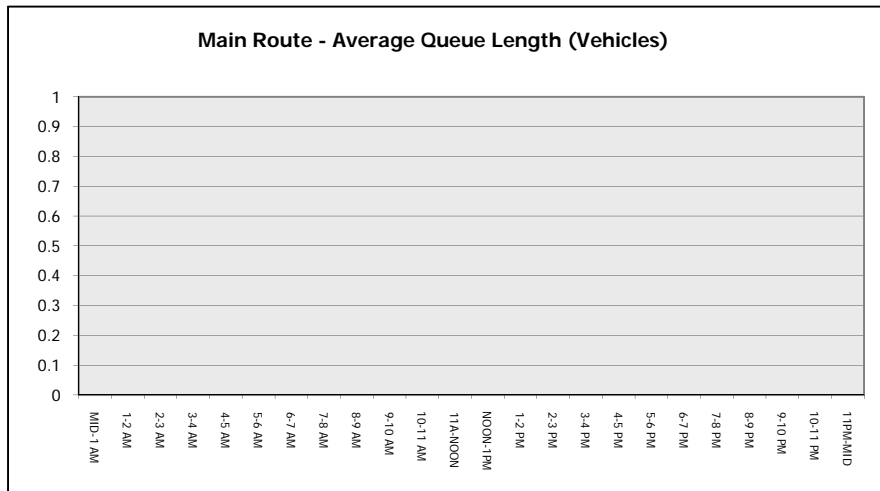
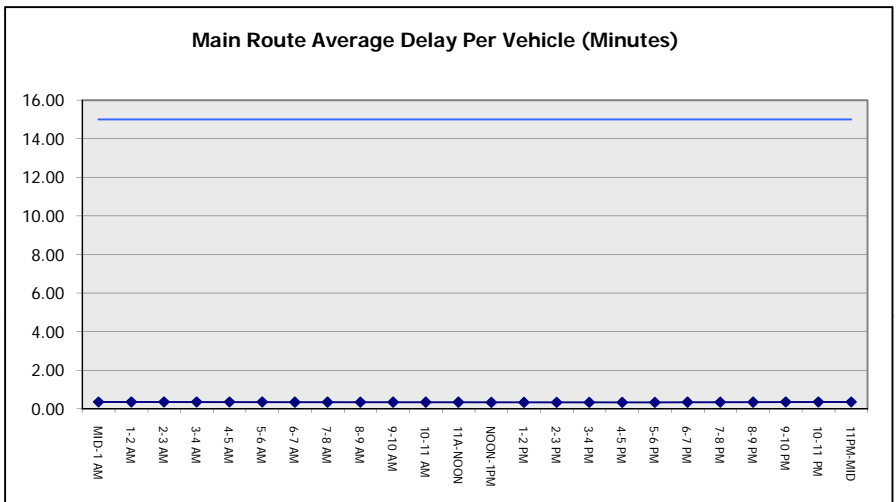
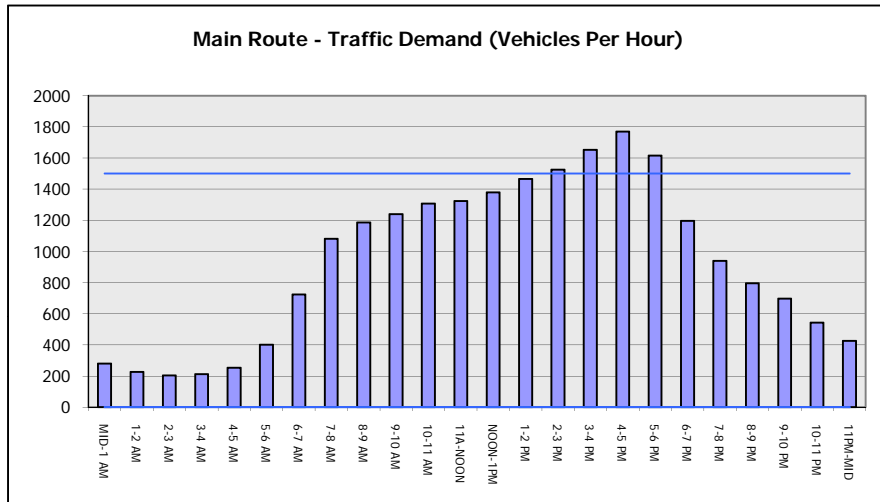
ROAD USER COSTS PER DAY ( DOLLARS)	\$1,496
CONGESTED HOURS PER DAY*	0

\*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**  
**MON-THUR 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**

MON-THUR                      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	268	0.0	70	0.0	3000	268	0	70	0.36	0	70.2	67.9	49.7	38.9	38.9
1-2 AM	219	0.0	58	0.0	3000	219	0	58	0.36	0	70.2	67.9	49.7	39.0	39.0
2-3 AM	217	0.0	57	0.0	3000	217	0	57	0.36	0	70.2	67.9	49.7	39.1	39.1
3-4 AM	242	0.0	64	0.0	3000	242	0	64	0.36	0	70.2	67.9	49.7	38.9	38.9
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	675	0.0	177	0.0	3000	675	0	177	0.36	0	69.9	67.7	49.7	37.6	37.6
6-7 AM	1040	0.0	273	0.0	3000	1040	0	273	0.35	0	69.4	67.3	49.7	36.3	36.3
7-8 AM	1099	0.0	289	0.0	3000	1099	0	289	0.35	0	69.4	67.3	49.7	36.1	36.1
8-9 AM	1082	0.0	284	0.0	3000	1082	0	284	0.35	0	69.4	67.3	49.7	36.2	36.2
9-10 AM	1195	0.0	314	0.0	3000	1195	0	314	0.35	0	69.2	67.1	49.7	35.8	35.8
10-11 AM	1323	0.0	347	0.0	3000	1323	0	347	0.35	0	69.1	67.0	49.7	35.5	35.5
11A-NOON	1421	0.0	374	0.0	3000	1421	0	374	0.34	0	69.0	66.9	49.7	35.1	35.1
NOON-1PM	1482	0.0	389	0.0	3000	1482	0	389	0.34	0	68.9	66.8	49.7	34.9	34.9
1-2 PM	1523	0.0	400	0.0	3000	1523	0	400	0.34	0	68.9	66.8	49.7	34.8	34.8
2-3 PM	1633	0.0	429	0.0	3000	1633	0	429	0.34	0	68.7	66.7	49.7	34.4	34.4
3-4 PM	1701	0.0	447	0.0	3000	1701	0	447	0.34	0	68.6	66.6	49.7	34.2	34.2
4-5 PM	1734	0.0	455	0.0	3000	1734	0	455	0.34	0	68.6	66.6	49.7	34.1	34.1
5-6 PM	1526	0.0	401	0.0	3000	1526	0	401	0.34	0	68.8	66.8	49.7	34.8	34.8
6-7 PM	1252	0.0	329	0.0	3000	1252	0	329	0.35	0	69.2	67.1	49.7	35.6	35.6
7-8 PM	1014	0.0	266	0.0	3000	1014	0	266	0.35	0	69.5	67.3	49.7	36.5	36.5
8-9 PM	851	0.0	224	0.0	3000	851	0	224	0.35	0	69.7	67.5	49.7	36.9	36.9
9-10 PM	703	0.0	184	0.0	3000	703	0	184	0.36	0	69.9	67.7	49.7	37.4	37.4
10-11 PM	549	0.0	144	0.0	3000	549	0	144	0.36	0	70.0	67.8	49.7	37.9	37.9
11PM-MID	365	0.0	96	0.0	3000	365	0	96	0.36	0	70.2	67.9	49.7	38.6	38.6

*----- 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	0.0478
MAIN ROUTE WITH WORKS	0.0462
DIVERSION	0.1331

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$1,561
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**  
**MON-THUR EASTBOUND DIRECTION**

