

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

**OCTOBER**

Analyzed for 2009  
Construction Season

**SUMMARY OF TRAFFIC MODEL OUTPUT**

SATURDAY 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	403	0.0	106	0.0	3000	403	0	106	0.36	0	70.2	67.9	49.7	38.4	38.4
1-2 AM	295	0.0	77	0.0	3000	295	0	77	0.36	0	70.2	67.9	49.7	38.8	38.8
2-3 AM	231	0.0	61	0.0	3000	231	0	61	0.36	0	70.2	67.9	49.7	39.0	39.0
3-4 AM	230	0.0	61	0.0	3000	230	0	61	0.36	0	70.2	67.9	49.7	39.0	39.0
4-5 AM	254	0.0	67	0.0	3000	254	0	67	0.36	0	70.2	67.9	49.7	38.9	38.9
5-6 AM	441	0.0	116	0.0	3000	441	0	116	0.36	0	70.2	67.9	49.7	38.3	38.3
6-7 AM	648	0.0	171	0.0	3000	648	0	171	0.36	0	69.9	67.8	49.7	37.6	37.6
7-8 AM	1091	0.0	287	0.0	3000	1091	0	287	0.35	0	69.4	67.3	49.7	36.2	36.2
8-9 AM	1506	0.0	395	0.0	3000	1506	0	395	0.34	0	68.9	66.8	49.7	34.8	34.8
9-10 AM	1842	0.0	483	0.0	3000	1842	0	483	0.34	0	68.4	66.4	49.7	33.7	33.7
10-11 AM	2069	0.0	543	0.0	3000	2069	0	543	0.33	0	68.2	66.2	49.7	33.0	33.0
11A-NOON	1990	0.0	522	0.0	3000	1990	0	522	0.33	0	68.2	66.3	49.7	33.3	33.3
NOON-1PM	1819	0.0	477	0.0	3000	1819	0	477	0.34	0	68.5	66.4	49.7	33.8	33.8
1-2 PM	1762	0.0	462	0.0	3000	1762	0	462	0.34	0	68.6	66.5	49.7	34.0	34.0
2-3 PM	1651	0.0	433	0.0	3000	1651	0	433	0.34	0	68.7	66.6	49.7	34.3	34.3
3-4 PM	1735	0.0	455	0.0	3000	1735	0	455	0.34	0	68.6	66.6	49.7	34.1	34.1
4-5 PM	1554	0.0	408	0.0	3000	1554	0	408	0.34	0	68.8	66.8	49.7	34.7	34.7
5-6 PM	1440	0.0	378	0.0	3000	1440	0	378	0.34	0	68.9	66.9	49.7	35.0	35.0
6-7 PM	1237	0.0	324	0.0	3000	1237	0	324	0.35	0	69.2	67.1	49.7	35.7	35.7
7-8 PM	929	0.0	244	0.0	3000	929	0	244	0.35	0	69.6	67.4	49.7	36.7	36.7
8-9 PM	726	0.0	190	0.0	3000	726	0	190	0.35	0	69.8	67.6	49.7	37.4	37.4
9-10 PM	580	0.0	153	0.0	3000	580	0	153	0.36	0	70.0	67.8	49.7	37.8	37.8
10-11 PM	442	0.0	116	0.0	3000	442	0	116	0.36	0	70.2	67.9	49.7	38.3	38.3
11PM-MID	303	0.0	80	0.0	3000	303	0	80	0.36	0	70.2	67.9	49.7	38.8	38.8

*----- 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	0.0513
MAIN ROUTE WITH WORKS	0.0496
DIVERSION	0.1429

PIA: Personal Injury Accidents

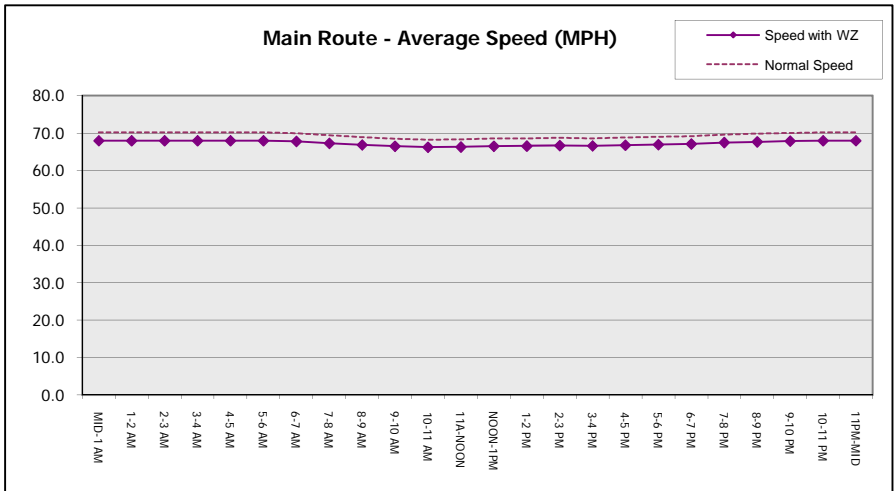
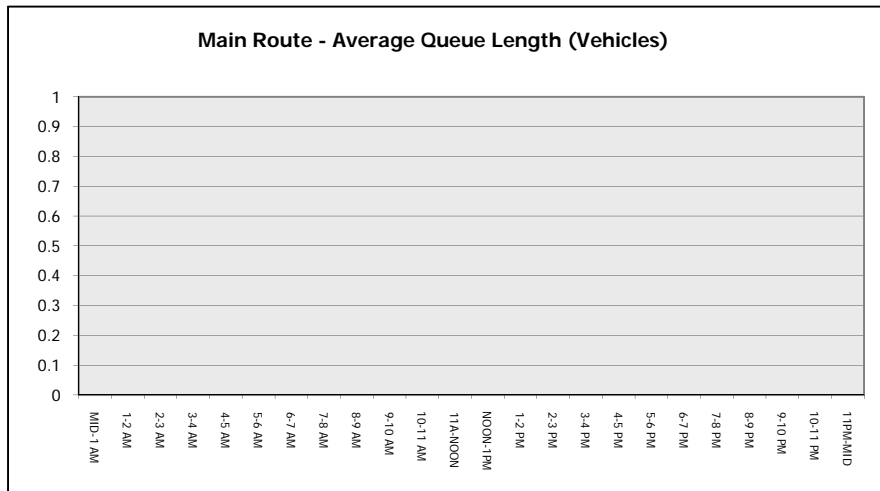
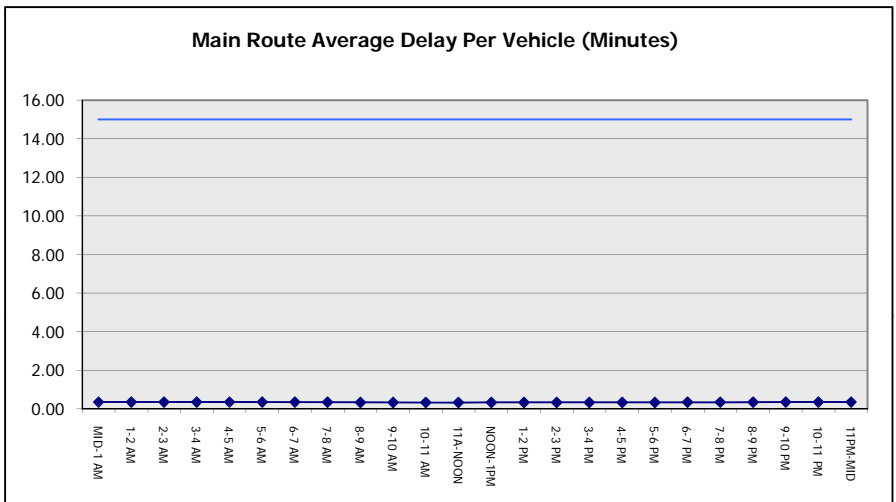
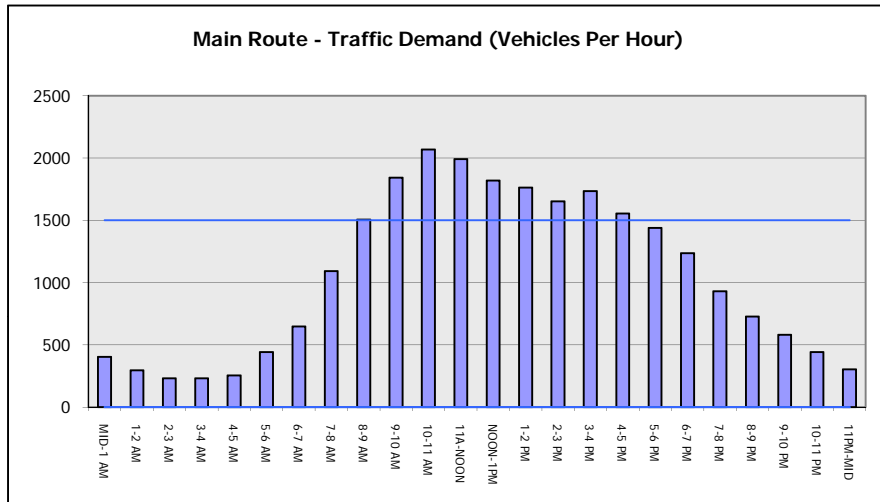
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$2,099
CONGESTED HOURS PER DAY*	0

\*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**

**OCTOBER**  
 Analyzed for 2009  
 Construction Season

**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**SATURDAY 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>OCTOBER</b>
	Analyzed for 2009 Construction Season

**SUMMARY OF TRAFFIC MODEL OUTPUT**

SATURDAY 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	325	0.0	85	0.0	3000	325	0	85	0.36	0	70.2	67.9	49.7	38.7	38.7
1-2 AM	252	0.0	66	0.0	3000	252	0	66	0.36	0	70.2	67.9	49.7	38.9	38.9
2-3 AM	250	0.0	66	0.0	3000	250	0	66	0.36	0	70.2	67.9	49.7	38.9	38.9
3-4 AM	238	0.0	63	0.0	3000	238	0	63	0.36	0	70.2	67.9	49.7	38.9	38.9
4-5 AM	251	0.0	66	0.0	3000	251	0	66	0.36	0	70.2	67.9	49.7	38.9	38.9
5-6 AM	298	0.0	78	0.0	3000	298	0	78	0.36	0	70.2	67.9	49.7	38.8	38.8
6-7 AM	402	0.0	106	0.0	3000	402	0	106	0.36	0	70.2	67.9	49.7	38.4	38.4
7-8 AM	741	0.0	195	0.0	3000	741	0	195	0.35	0	69.8	67.6	49.7	37.3	37.3
8-9 AM	1222	0.0	321	0.0	3000	1222	0	321	0.35	0	69.2	67.1	49.7	35.8	35.8
9-10 AM	1470	0.0	386	0.0	3000	1470	0	386	0.34	0	68.9	66.8	49.7	35.0	35.0
10-11 AM	1508	0.0	395	0.0	3000	1508	0	395	0.34	0	68.9	66.8	49.7	34.8	34.8
11A-NOON	1613	0.0	424	0.0	3000	1613	0	424	0.34	0	68.7	66.7	49.7	34.5	34.5
NOON-1PM	1564	0.0	410	0.0	3000	1564	0	410	0.34	0	68.8	66.8	49.7	34.7	34.7
1-2 PM	1597	0.0	420	0.0	3000	1597	0	420	0.34	0	68.7	66.7	49.7	34.5	34.5
2-3 PM	1619	0.0	425	0.0	3000	1619	0	425	0.34	0	68.7	66.7	49.7	34.5	34.5
3-4 PM	1688	0.0	444	0.0	3000	1688	0	444	0.34	0	68.6	66.6	49.7	34.2	34.2
4-5 PM	1709	0.0	448	0.0	3000	1709	0	448	0.34	0	68.6	66.6	49.7	34.2	34.2
5-6 PM	1586	0.0	416	0.0	3000	1586	0	416	0.34	0	68.7	66.7	49.7	34.6	34.6
6-7 PM	1347	0.0	354	0.0	3000	1347	0	354	0.35	0	69.1	67.0	49.7	35.3	35.3
7-8 PM	1172	0.0	308	0.0	3000	1172	0	308	0.35	0	69.3	67.2	49.7	35.9	35.9
8-9 PM	961	0.0	252	0.0	3000	961	0	252	0.35	0	69.6	67.4	49.7	36.6	36.6
9-10 PM	786	0.0	206	0.0	3000	786	0	206	0.35	0	69.7	67.6	49.7	37.2	37.2
10-11 PM	637	0.0	167	0.0	3000	637	0	167	0.36	0	69.9	67.8	49.7	37.7	37.7
11PM-MID	385	0.0	100	0.0	3000	385	0	100	0.36	0	70.2	67.9	49.7	38.5	38.5

*----- 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	0.0481
MAIN ROUTE WITH WORKS	0.0466
DIVERSION	0.1340

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$1,982
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**

**OCTOBER**  
 Analyzed for 2009  
 Construction Season

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

