

IH 39/90/94: STH 60 TO USH 51 (DANE AND COLUMBIA COUNTIES) NIGHTTIME 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	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	2999	2864	0	751	0.72	5	67.2	63.2	39.9	30.4	30.4
8-9 PM	2225	0.0	584	0.0	3000	2225	0	584	0.33	0	67.9	66.0	49.7	32.5	32.5
9-10 PM	1785	0.0	469	0.0	3000	1785	0	469	0.34	0	68.5	66.5	49.7	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

"OFF" INDICATES NO ROAD WORK (ALL LANES OPEN TO TRAFFIC)

----- 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	0.0941
DIVERSION	0.2639

PIA: Personal Injury Accidents

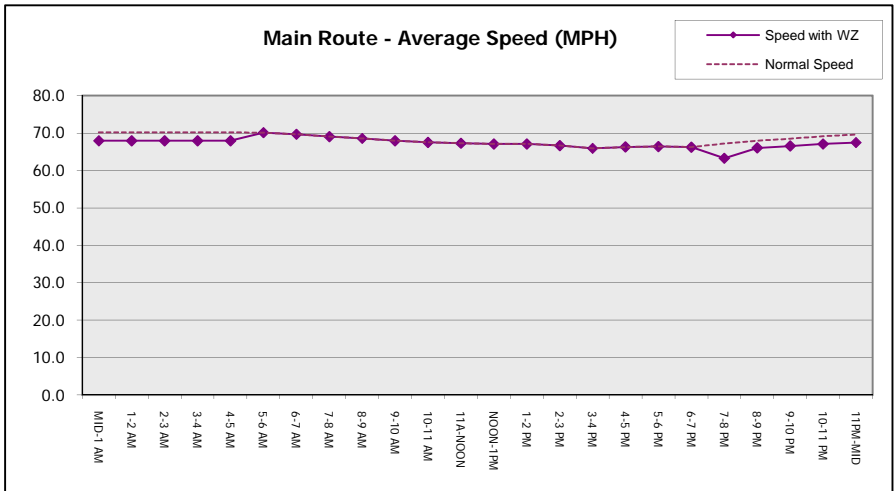
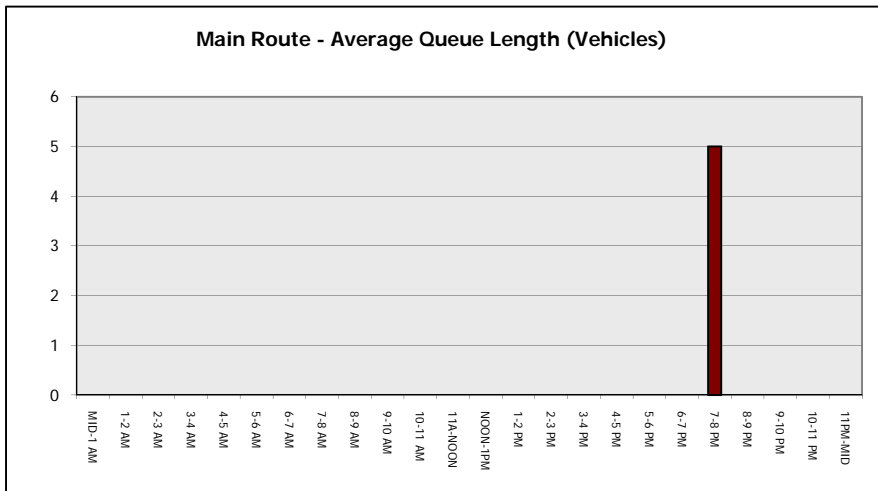
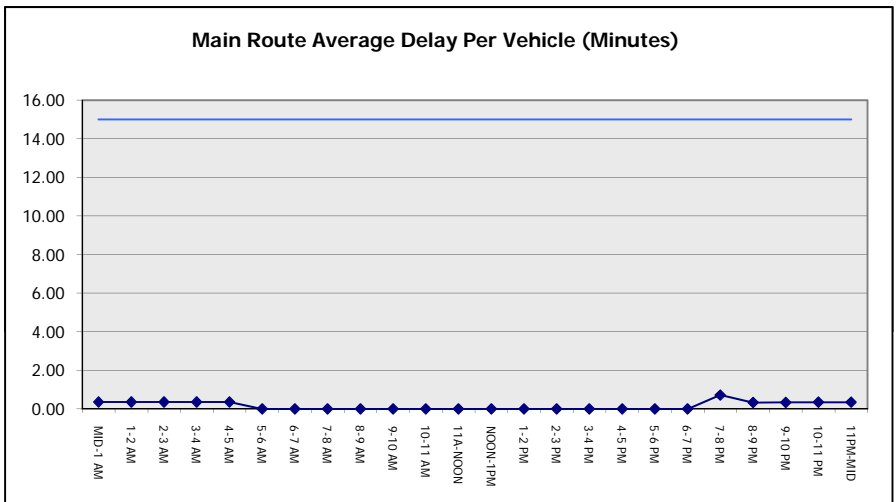
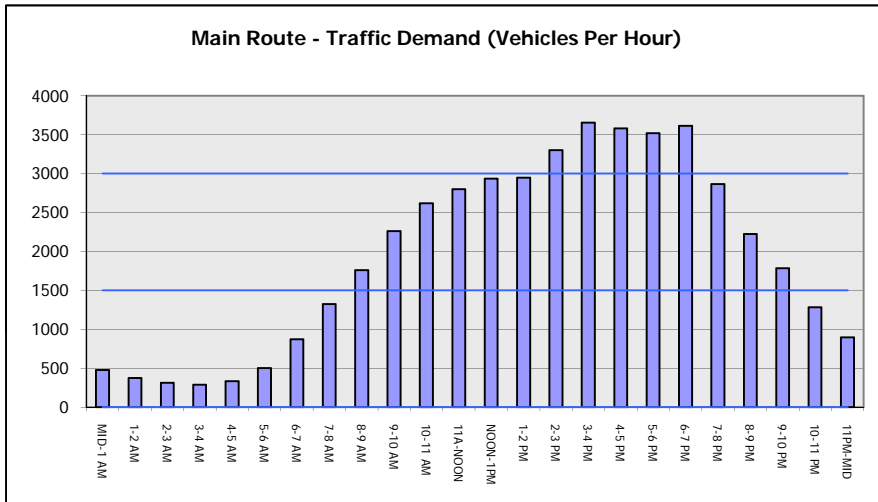
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$966
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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

AUGUST
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY WESTBOUND DIRECTION



IH 39/90/94: STH 60 TO USH 51 (DANE AND COLUMBIA COUNTIES) NIGHTTIME CLOSURE DIVERSION ROUTE: USH 51 - STH 60	AUGUST
	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	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	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

"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)	\$514
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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

AUGUST
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY EASTBOUND DIRECTION

