

**IH 39/90/94: STH 60 TO USH 51 (DANE AND COLUMBIA COUNTIES)
NIGHTTIME 2 LANE 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	1500	403	0	106	0.52	0	70.2	67.0	43.9	38.4	38.4
1-2 AM	295	0.0	77	0.0	1500	295	0	77	0.51	0	70.2	67.1	44.3	38.8	38.8
2-3 AM	231	0.0	61	0.0	1500	231	0	61	0.50	0	70.2	67.1	44.6	39.0	39.0
3-4 AM	230	0.0	61	0.0	1500	230	0	61	0.50	0	70.2	67.1	44.6	39.0	39.0
4-5 AM	254	0.0	67	0.0	1500	254	0	67	0.50	0	70.2	67.1	44.5	38.9	38.9
5-6 AM	441	0.0	116	0.0	1500	441	0	116	0.53	0	70.2	66.9	43.7	38.3	38.3
6-7 AM	648	0.0	171	0.0	1500	648	0	171	0.55	0	69.9	66.6	43.0	37.6	37.6
7-8 AM	1091	0.0	287	0.0	1499	1091	0	287	0.64	0	69.4	65.6	40.1	36.2	36.2
8-9 AM	1506	0.0	395	0.0	OFF	1506	0	395	0.00	0	68.9	68.9	68.9	34.8	34.8
9-10 AM	1842	0.0	483	0.0	OFF	1842	0	483	0.00	0	68.4	68.4	68.4	33.7	33.7
10-11 AM	2069	0.0	543	0.0	OFF	2069	0	543	0.00	0	68.2	68.2	68.2	33.0	33.0
11A-NOON	1990	0.0	522	0.0	OFF	1990	0	522	0.00	0	68.2	68.2	68.2	33.3	33.3
NOON-1PM	1819	0.0	477	0.0	OFF	1819	0	477	0.00	0	68.5	68.5	68.5	33.8	33.8
1-2 PM	1762	0.0	462	0.0	OFF	1762	0	462	0.00	0	68.6	68.6	68.6	34.0	34.0
2-3 PM	1651	0.0	433	0.0	OFF	1651	0	433	0.00	0	68.7	68.7	68.7	34.3	34.3
3-4 PM	1735	0.0	455	0.0	OFF	1735	0	455	0.00	0	68.6	68.6	68.6	34.1	34.1
4-5 PM	1554	0.0	408	0.0	OFF	1554	0	408	0.00	0	68.8	68.8	68.8	34.7	34.7
5-6 PM	1440	0.0	378	0.0	OFF	1440	0	378	0.00	0	68.9	68.9	68.9	35.0	35.0
6-7 PM	1237	0.0	324	0.0	1500	1237	0	324	0.75	0	69.2	64.8	37.3	35.7	35.7
7-8 PM	929	0.0	244	0.0	1500	929	0	244	0.58	0	69.6	66.1	41.9	36.7	36.7
8-9 PM	726	0.0	190	0.0	1500	726	0	190	0.56	0	69.8	66.4	42.7	37.4	37.4
9-10 PM	580	0.0	153	0.0	1500	580	0	153	0.54	0	70.0	66.7	43.2	37.8	37.8
10-11 PM	442	0.0	116	0.0	1500	442	0	116	0.53	0	70.2	66.9	43.7	38.3	38.3
11PM-MID	303	0.0	80	0.0	1500	303	0	80	0.51	0	70.2	67.1	44.3	38.8	38.8

"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	0.0513
MAIN ROUTE WITH WORKS	0.0508
DIVERSION	0.1429

PIA: Personal Injury Accidents

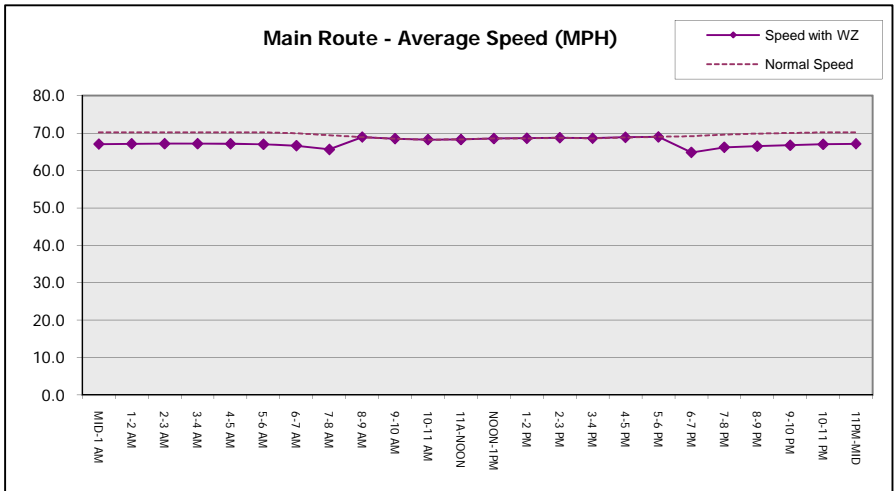
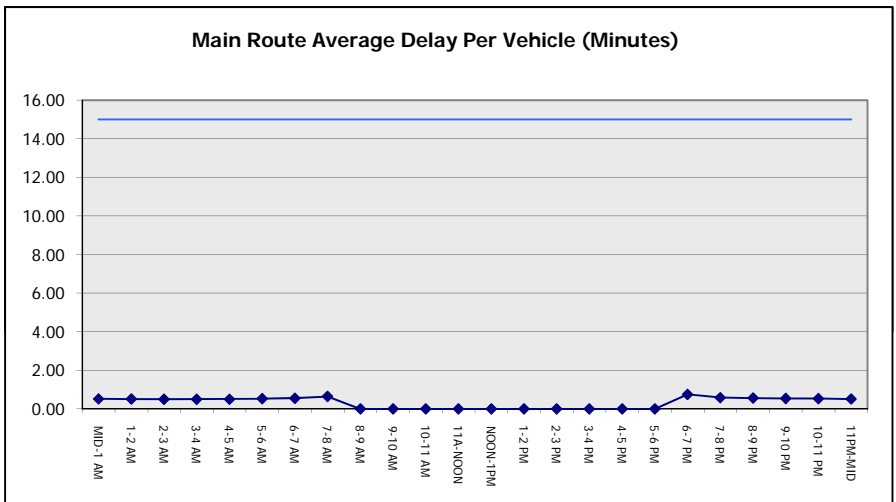
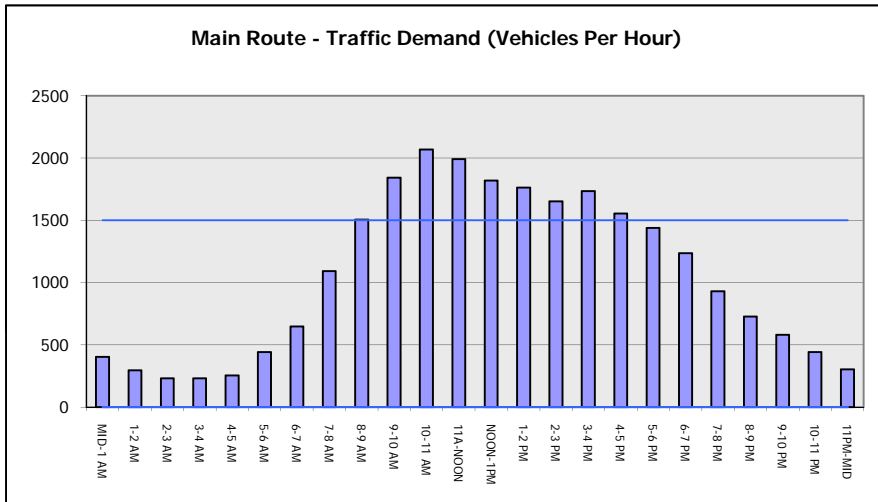
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$1,076
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

IH 39/90/94: STH 60 TO USH 51 (DANE AND COLUMBIA COUNTIES)
NIGHTTIME 2 LANE CLOSURE
DIVERSION ROUTE: USH 51 - STH 60

OCTOBER
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SATURDAY WESTBOUND DIRECTION



IH 39/90/94: STH 60 TO USH 51 (DANE AND COLUMBIA COUNTIES) NIGHTTIME 2 LANE CLOSURE DIVERSION ROUTE: USH 51 - STH 60	OCTOBER
	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	1500	325	0	85	0.51	0	70.2	67.0	44.2	38.7	38.7
1-2 AM	252	0.0	66	0.0	1500	252	0	66	0.50	0	70.2	67.1	44.5	38.9	38.9
2-3 AM	250	0.0	66	0.0	1500	250	0	66	0.50	0	70.2	67.1	44.5	38.9	38.9
3-4 AM	238	0.0	63	0.0	1500	238	0	63	0.50	0	70.2	67.1	44.5	38.9	38.9
4-5 AM	251	0.0	66	0.0	1500	251	0	66	0.50	0	70.2	67.1	44.5	38.9	38.9
5-6 AM	298	0.0	78	0.0	1500	298	0	78	0.51	0	70.2	67.1	44.3	38.8	38.8
6-7 AM	402	0.0	106	0.0	1500	402	0	106	0.52	0	70.2	67.0	43.9	38.4	38.4
7-8 AM	741	0.0	195	0.0	1500	741	0	195	0.56	0	69.8	66.4	42.6	37.3	37.3
8-9 AM	1222	0.0	321	0.0	OFF	1222	0	321	0.00	0	69.2	69.2	69.2	35.8	35.8
9-10 AM	1470	0.0	386	0.0	OFF	1470	0	386	0.00	0	68.9	68.9	68.9	35.0	35.0
10-11 AM	1508	0.0	395	0.0	OFF	1508	0	395	0.00	0	68.9	68.9	68.9	34.8	34.8
11A-NOON	1613	0.0	424	0.0	OFF	1613	0	424	0.00	0	68.7	68.7	68.7	34.5	34.5
NOON-1PM	1564	0.0	410	0.0	OFF	1564	0	410	0.00	0	68.8	68.8	68.8	34.7	34.7
1-2 PM	1597	0.0	420	0.0	OFF	1597	0	420	0.00	0	68.7	68.7	68.7	34.5	34.5
2-3 PM	1619	0.0	425	0.0	OFF	1619	0	425	0.00	0	68.7	68.7	68.7	34.5	34.5
3-4 PM	1688	0.0	444	0.0	OFF	1688	0	444	0.00	0	68.6	68.6	68.6	34.2	34.2
4-5 PM	1709	0.0	448	0.0	OFF	1709	0	448	0.00	0	68.6	68.6	68.6	34.2	34.2
5-6 PM	1586	0.0	416	0.0	OFF	1586	0	416	0.00	0	68.7	68.7	68.7	34.6	34.6
6-7 PM	1347	0.0	354	0.0	1500	1347	0	354	0.90	0	69.1	63.9	34.3	35.3	35.3
7-8 PM	1172	0.0	308	0.0	1500	1172	0	308	0.67	0	69.3	65.3	39.4	35.9	35.9
8-9 PM	961	0.0	252	0.0	1500	961	0	252	0.58	0	69.6	66.1	41.8	36.6	36.6
9-10 PM	786	0.0	206	0.0	1500	786	0	206	0.56	0	69.7	66.4	42.4	37.2	37.2
10-11 PM	637	0.0	167	0.0	1500	637	0	167	0.55	0	69.9	66.6	43.0	37.7	37.7
11PM-MID	385	0.0	100	0.0	1500	385	0	100	0.52	0	70.2	67.0	44.0	38.5	38.5

"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	0.0481
MAIN ROUTE WITH WORKS	0.0476
DIVERSION	0.1340

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$1,171
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

IH 39/90/94: STH 60 TO USH 51 (DANE AND COLUMBIA COUNTIES)
NIGHTTIME 2 LANE CLOSURE
DIVERSION ROUTE: USH 51 - STH 60

OCTOBER
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SATURDAY EASTBOUND DIRECTION

