

IH 39/90/94: STH 60 TO USH 51 (DANE AND COLUMBIA COUNTIES) NIGHTTIME 2 LANE CLOSURE DIVERSION ROUTE: USH 51 - STH 60	AUGUST
	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	367	0.0	96	0.0	1500	367	0	96	0.52	0	70.2	67.0	44.0	38.6	38.6
1-2 AM	296	0.0	77	0.0	1500	296	0	77	0.51	0	70.2	67.1	44.3	38.8	38.8
2-3 AM	240	0.0	63	0.0	1500	240	0	63	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	273	0.0	71	0.0	1500	273	0	71	0.51	0	70.2	67.1	44.4	38.9	38.9
5-6 AM	424	0.0	111	0.0	OFF	424	0	111	0.00	0	70.2	70.2	70.2	38.4	38.4
6-7 AM	747	0.0	196	0.0	OFF	747	0	196	0.00	0	69.8	69.8	69.8	37.3	37.3
7-8 AM	1141	0.0	299	0.0	OFF	1141	0	299	0.00	0	69.3	69.3	69.3	36.0	36.0
8-9 AM	1349	0.0	354	0.0	OFF	1349	0	354	0.00	0	69.1	69.1	69.1	35.3	35.3
9-10 AM	1555	0.0	408	0.0	OFF	1555	0	408	0.00	0	68.8	68.8	68.8	34.7	34.7
10-11 AM	1664	0.0	437	0.0	OFF	1664	0	437	0.00	0	68.7	68.7	68.7	34.3	34.3
11A-NOON	1764	0.0	464	0.0	OFF	1764	0	464	0.00	0	68.6	68.6	68.6	34.0	34.0
NOON-1PM	1770	0.0	465	0.0	OFF	1770	0	465	0.00	0	68.6	68.6	68.6	34.0	34.0
1-2 PM	1892	0.0	497	0.0	OFF	1892	0	497	0.00	0	68.4	68.4	68.4	33.6	33.6
2-3 PM	1908	0.0	501	0.0	OFF	1908	0	501	0.00	0	68.4	68.4	68.4	33.5	33.5
3-4 PM	2097	0.0	550	0.0	OFF	2097	0	550	0.00	0	68.1	68.1	68.1	32.9	32.9
4-5 PM	2063	0.0	542	0.0	OFF	2063	0	542	0.00	0	68.2	68.2	68.2	33.0	33.0
5-6 PM	1891	0.0	496	0.0	OFF	1891	0	496	0.00	0	68.4	68.4	68.4	33.6	33.6
6-7 PM	1417	0.0	373	0.0	OFF	1417	0	373	0.00	0	69.0	69.0	69.0	35.1	35.1
7-8 PM	1145	0.0	300	0.0	1500	1145	0	300	0.64	0	69.3	65.6	40.3	36.0	36.0
8-9 PM	946	0.0	248	0.0	1500	946	0	248	0.58	0	69.6	66.1	41.9	36.6	36.6
9-10 PM	768	0.0	202	0.0	1500	768	0	202	0.56	0	69.8	66.4	42.5	37.3	37.3
10-11 PM	597	0.0	157	0.0	1500	597	0	157	0.54	0	70.0	66.7	43.2	37.8	37.8
11PM-MID	484	0.0	127	0.0	1500	484	0	127	0.53	0	70.1	66.9	43.6	38.2	38.2

"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	0.0551
MAIN ROUTE WITH WORKS	0.0547
DIVERSION	0.1534

PIA: Personal Injury Accidents

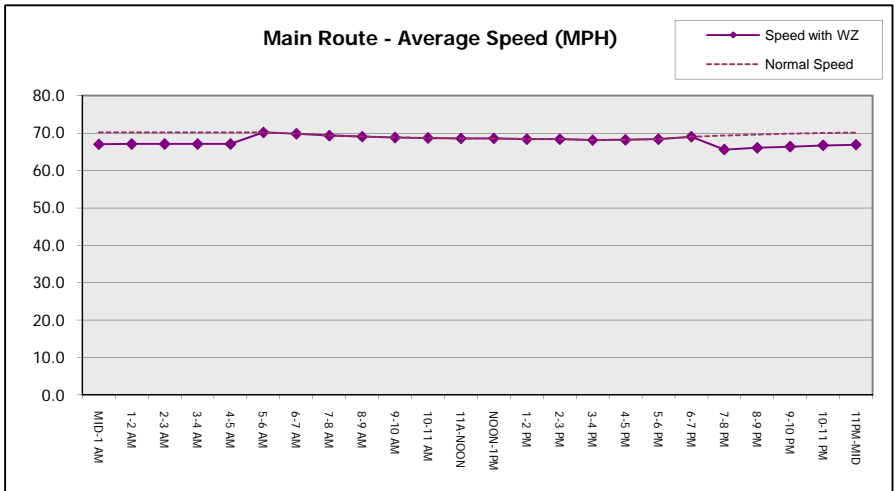
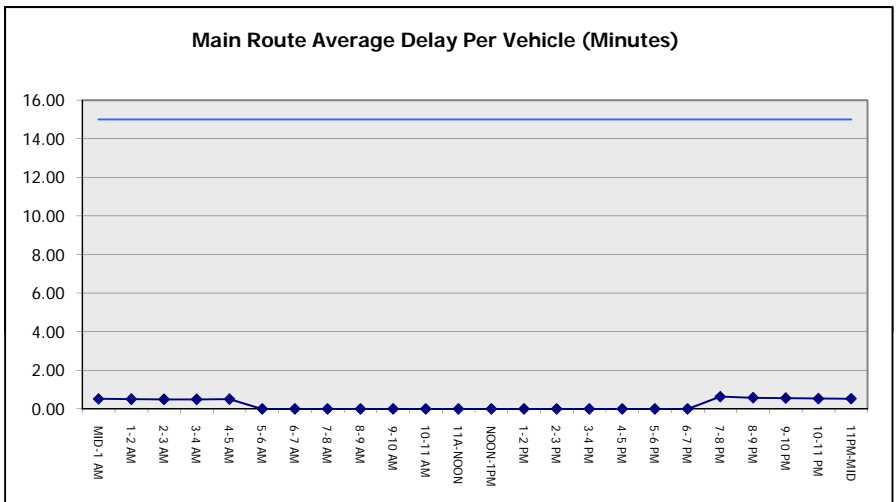
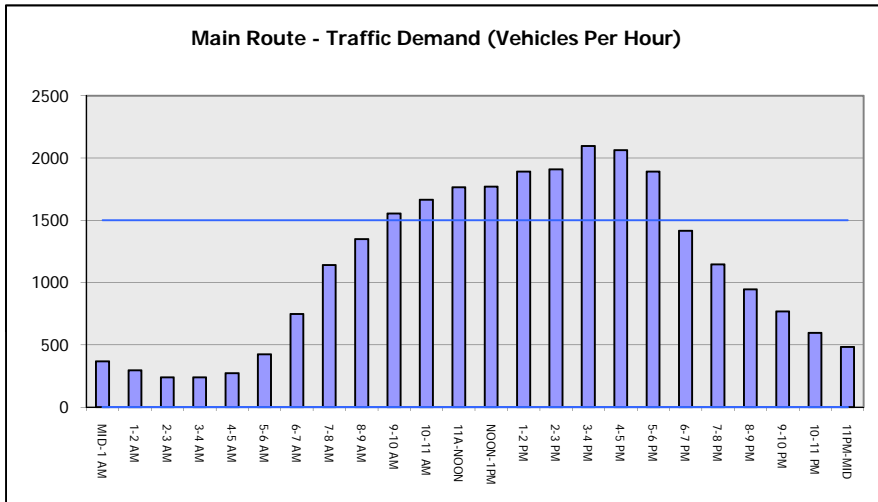
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$615
CONGESTED HOURS PER DAY*	0

*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

AUGUST
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
MON-THUR 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	AUGUST
	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	323	0.0	85	0.0	1500	323	0	85	0.51	0	70.2	67.0	44.2	38.7	38.7
1-2 AM	258	0.0	68	0.0	1500	258	0	68	0.50	0	70.2	67.1	44.5	38.9	38.9
2-3 AM	248	0.0	65	0.0	1500	248	0	65	0.50	0	70.2	67.1	44.5	38.9	38.9
3-4 AM	273	0.0	71	0.0	1500	273	0	71	0.51	0	70.2	67.1	44.4	38.9	38.9
4-5 AM	372	0.0	98	0.0	1500	372	0	98	0.52	0	70.2	67.0	44.0	38.5	38.5
5-6 AM	695	0.0	182	0.0	OFF	695	0	182	0.00	0	69.9	69.9	69.9	37.5	37.5
6-7 AM	1038	0.0	272	0.0	OFF	1038	0	272	0.00	0	69.4	69.4	69.4	36.4	36.4
7-8 AM	1167	0.0	307	0.0	OFF	1167	0	307	0.00	0	69.3	69.3	69.3	36.0	36.0
8-9 AM	1145	0.0	300	0.0	OFF	1145	0	300	0.00	0	69.3	69.3	69.3	36.0	36.0
9-10 AM	1350	0.0	355	0.0	OFF	1350	0	355	0.00	0	69.1	69.1	69.1	35.3	35.3
10-11 AM	1596	0.0	419	0.0	OFF	1596	0	419	0.00	0	68.7	68.7	68.7	34.5	34.5
11A-NOON	1778	0.0	467	0.0	OFF	1778	0	467	0.00	0	68.5	68.5	68.5	34.0	34.0
NOON-1PM	1783	0.0	468	0.0	OFF	1783	0	468	0.00	0	68.5	68.5	68.5	33.9	33.9
1-2 PM	1890	0.0	496	0.0	OFF	1890	0	496	0.00	0	68.4	68.4	68.4	33.6	33.6
2-3 PM	1962	0.0	515	0.0	OFF	1962	0	515	0.00	0	68.3	68.3	68.3	33.3	33.3
3-4 PM	1984	0.0	521	0.0	OFF	1984	0	521	0.00	0	68.2	68.2	68.2	33.3	33.3
4-5 PM	1996	0.0	524	0.0	OFF	1996	0	524	0.00	0	68.2	68.2	68.2	33.2	33.2
5-6 PM	1814	0.0	476	0.0	OFF	1814	0	476	0.00	0	68.5	68.5	68.5	33.8	33.8
6-7 PM	1495	0.0	392	0.0	OFF	1495	0	392	0.00	0	68.9	68.9	68.9	34.9	34.9
7-8 PM	1251	0.0	329	0.0	1500	1251	0	329	0.77	0	69.2	64.6	36.9	35.6	35.6
8-9 PM	1033	0.0	271	0.0	1500	1033	0	271	0.59	0	69.4	66.0	41.5	36.4	36.4
9-10 PM	851	0.0	224	0.0	1500	851	0	224	0.57	0	69.7	66.3	42.2	36.9	36.9
10-11 PM	648	0.0	171	0.0	1500	648	0	171	0.55	0	69.9	66.6	43.0	37.6	37.6
11PM-MID	455	0.0	119	0.0	1500	455	0	119	0.53	0	70.2	66.9	43.7	38.3	38.3

"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	0.0558
MAIN ROUTE WITH WORKS	0.0554
DIVERSION	0.1555

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$695
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

AUGUST
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
MON-THUR EASTBOUND DIRECTION

