

**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

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	594	0.0	156	0.0	1500	594	0	156	0.54	0	70.0	66.7	43.2	37.8	37.8
1-2 AM	341	0.0	90	0.0	1500	341	0	90	0.51	0	70.2	67.0	44.2	38.6	38.6
2-3 AM	288	0.0	75	0.0	1500	288	0	75	0.51	0	70.2	67.1	44.3	38.8	38.8
3-4 AM	231	0.0	61	0.0	1500	231	0	61	0.50	0	70.2	67.1	44.6	39.0	39.0
4-5 AM	277	0.0	72	0.0	1500	277	0	72	0.51	0	70.2	67.1	44.4	38.9	38.9
5-6 AM	430	0.0	113	0.0	1500	430	0	113	0.53	0	70.2	66.9	43.8	38.3	38.3
6-7 AM	801	0.0	210	0.0	1500	801	0	210	0.57	0	69.7	66.3	42.4	37.1	37.1
7-8 AM	1343	0.0	353	0.0	1499	1343	0	353	0.94	1	69.1	63.7	35.1	35.3	35.3
8-9 AM	2166	0.0	568	0.0	OFF	2166	0	568	0.00	0	68.1	68.1	68.1	32.7	32.7
9-10 AM	2911	0.0	764	0.0	OFF	2911	0	764	0.00	0	67.1	67.1	67.1	30.2	30.2
10-11 AM	3321	0.0	872	0.0	OFF	3321	0	872	0.00	0	66.6	66.6	66.6	28.9	28.9
11A-NOON	3226	0.0	847	0.0	OFF	3226	0	847	0.00	0	66.7	66.7	66.7	29.2	29.2
NOON-1PM	2709	0.0	712	0.0	OFF	2709	0	712	0.00	0	67.4	67.4	67.4	30.9	30.9
1-2 PM	2499	0.0	656	0.0	OFF	2499	0	656	0.00	0	67.6	67.6	67.6	31.6	31.6
2-3 PM	2233	0.0	586	0.0	OFF	2233	0	586	0.00	0	67.9	67.9	67.9	32.5	32.5
3-4 PM	2010	0.0	527	0.0	OFF	2010	0	527	0.00	0	68.2	68.2	68.2	33.2	33.2
4-5 PM	1721	0.0	452	0.0	OFF	1721	0	452	0.00	0	68.6	68.6	68.6	34.2	34.2
5-6 PM	1447	0.0	380	0.0	OFF	1447	0	380	0.00	0	68.9	68.9	68.9	35.0	35.0
6-7 PM	1230	0.0	322	0.0	1500	1230	0	322	0.75	0	69.2	64.8	37.5	35.8	35.8
7-8 PM	986	0.0	258	0.0	1500	986	0	258	0.59	0	69.5	66.0	41.7	36.5	36.5
8-9 PM	836	0.0	220	0.0	1500	836	0	220	0.57	0	69.7	66.3	42.3	37.0	37.0
9-10 PM	657	0.0	173	0.0	1500	657	0	173	0.55	0	69.9	66.6	42.9	37.6	37.6
10-11 PM	508	0.0	134	0.0	1500	508	0	134	0.53	0	70.1	66.8	43.5	38.1	38.1
11PM-MID	352	0.0	92	0.0	1500	352	0	92	0.52	0	70.2	67.0	44.1	38.6	38.6

"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	0.0675
MAIN ROUTE WITH WORKS	0.0669
DIVERSION	0.1879

PIA: Personal Injury Accidents

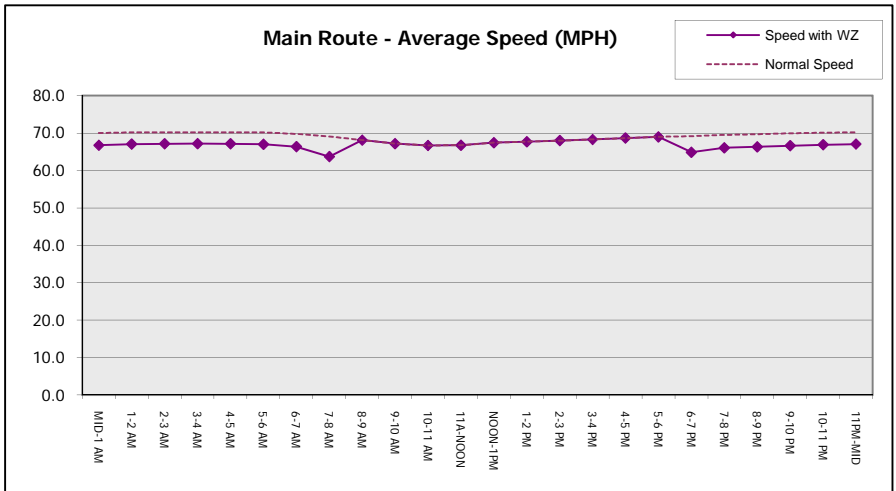
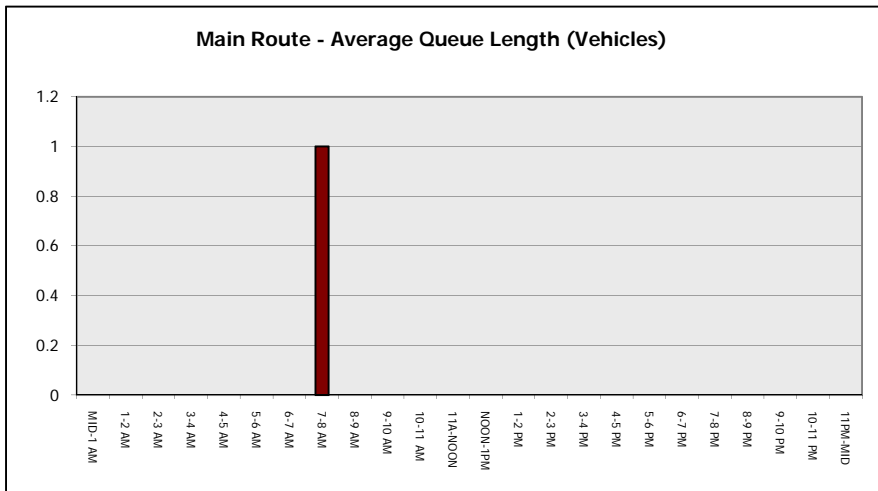
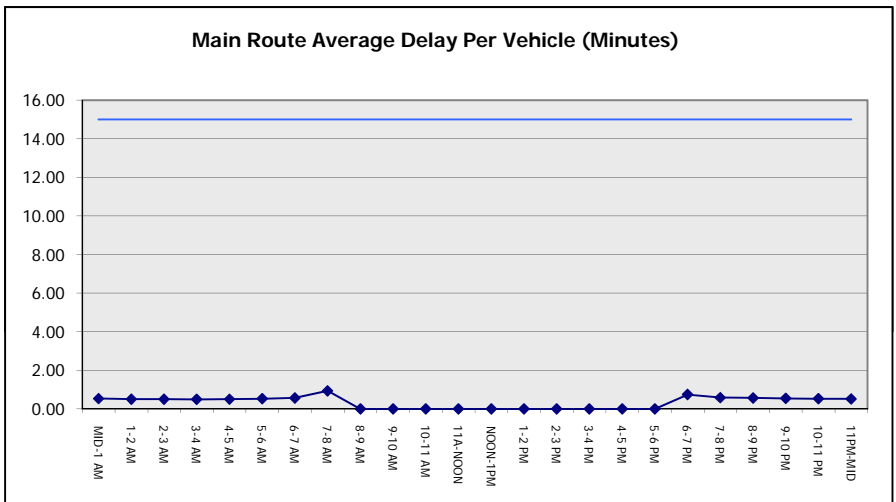
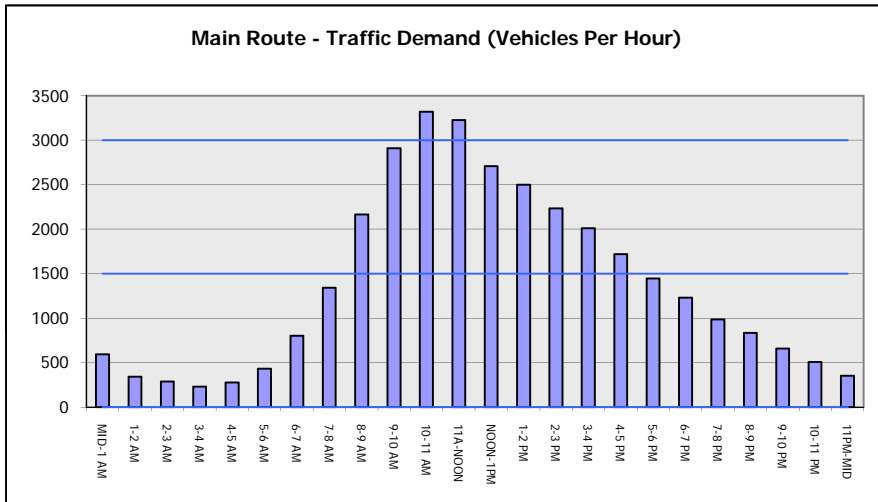
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$1,471
CONGESTED HOURS PER DAY*	0

*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
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	AUGUST
	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	419	0.0	110	0.0	1500	419	0	110	0.52	0	70.2	66.9	43.8	38.4	38.4
1-2 AM	317	0.0	83	0.0	1500	317	0	83	0.51	0	70.2	67.1	44.2	38.7	38.7
2-3 AM	302	0.0	80	0.0	1500	302	0	80	0.51	0	70.2	67.1	44.3	38.8	38.8
3-4 AM	286	0.0	75	0.0	1500	286	0	75	0.51	0	70.2	67.1	44.3	38.8	38.8
4-5 AM	280	0.0	73	0.0	1500	280	0	73	0.51	0	70.2	67.1	44.3	38.8	38.8
5-6 AM	341	0.0	89	0.0	1500	341	0	89	0.51	0	70.2	67.0	44.2	38.6	38.6
6-7 AM	485	0.0	128	0.0	1500	485	0	128	0.53	0	70.1	66.9	43.6	38.1	38.1
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	1067	0.0	280	0.0	OFF	1067	0	280	0.00	0	69.4	69.4	69.4	36.3	36.3
9-10 AM	1561	0.0	410	0.0	OFF	1561	0	410	0.00	0	68.8	68.8	68.8	34.7	34.7
10-11 AM	2220	0.0	583	0.0	OFF	2220	0	583	0.00	0	68.0	68.0	68.0	32.5	32.5
11A-NOON	2612	0.0	685	0.0	OFF	2612	0	685	0.00	0	67.5	67.5	67.5	31.2	31.2
NOON-1PM	2709	0.0	712	0.0	OFF	2709	0	712	0.00	0	67.4	67.4	67.4	30.9	30.9
1-2 PM	2734	0.0	718	0.0	OFF	2734	0	718	0.00	0	67.3	67.3	67.3	30.8	30.8
2-3 PM	2665	0.0	700	0.0	OFF	2665	0	700	0.00	0	67.4	67.4	67.4	31.1	31.1
3-4 PM	2409	0.0	632	0.0	OFF	2409	0	632	0.00	0	67.8	67.8	67.8	31.9	31.9
4-5 PM	2371	0.0	623	0.0	OFF	2371	0	623	0.00	0	67.8	67.8	67.8	32.0	32.0
5-6 PM	2037	0.0	535	0.0	OFF	2037	0	535	0.00	0	68.2	68.2	68.2	33.1	33.1
6-7 PM	1773	0.0	466	0.0	1499	1773	0	466	6.46	151	68.6	43.5	30.8	34.0	34.0
7-8 PM	1559	0.0	409	0.0	1499	1559	0	409	13.16	316	68.8	31.5	30.8	34.7	34.7
8-9 PM	1316	0.0	345	0.0	1499	1316	0	345	10.63	253	69.1	35.3	30.9	35.5	35.5
9-10 PM	1115	0.0	293	0.0	1500	1115	0	293	1.76	32	69.4	59.8	38.8	36.1	36.1
10-11 PM	892	0.0	234	0.0	1500	892	0	234	0.58	0	69.6	66.2	42.0	36.8	36.8
11PM-MID	593	0.0	156	0.0	1500	593	0	156	0.54	0	70.0	66.7	43.2	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	0.0668
MAIN ROUTE WITH WORKS	0.0661
DIVERSION	0.1862

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$13,156
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
SATURDAY EASTBOUND DIRECTION

