

**IH 39/90/94: STH 60 TO USH 51 (DANE AND COLUMBIA COUNTIES)
CONTINUOUS (24 HOUR) 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	3000	594	0	156	0.36	0	70.0	67.8	49.7	37.8	37.8
1-2 AM	341	0.0	90	0.0	3000	341	0	90	0.36	0	70.2	67.9	49.7	38.6	38.6
2-3 AM	288	0.0	75	0.0	3000	288	0	75	0.36	0	70.2	67.9	49.7	38.8	38.8
3-4 AM	231	0.0	61	0.0	3000	231	0	61	0.36	0	70.2	67.9	49.7	39.0	39.0
4-5 AM	277	0.0	72	0.0	3000	277	0	72	0.36	0	70.2	67.9	49.7	38.9	38.9
5-6 AM	430	0.0	113	0.0	3000	430	0	113	0.36	0	70.2	67.9	49.7	38.3	38.3
6-7 AM	801	0.0	210	0.0	3000	801	0	210	0.35	0	69.7	67.6	49.7	37.1	37.1
7-8 AM	1343	0.0	353	0.0	3000	1343	0	353	0.35	0	69.1	67.0	49.7	35.3	35.3
8-9 AM	2166	0.0	568	0.0	2999	2166	0	568	0.33	0	68.1	66.1	49.7	32.7	32.7
9-10 AM	2911	0.0	764	0.0	2999	2911	0	764	0.77	6	67.1	62.9	39.2	30.2	30.2
10-11 AM	3321	0.0	872	0.0	3000	3321	0	872	3.78	178	66.6	50.2	37.3	28.9	28.9
11A-NOON	3226	0.0	847	0.0	2999	3226	0	847	9.36	480	66.7	36.8	37.3	29.2	29.2
NOON-1PM	2709	0.0	712	0.0	2999	2709	0	712	8.86	452	67.4	37.9	37.3	30.9	30.9
1-2 PM	2499	0.0	656	0.0	2999	2499	0	656	1.92	90	67.6	57.8	44.2	31.6	31.6
2-3 PM	2233	0.0	586	0.0	3000	2233	0	586	0.33	0	67.9	66.0	49.7	32.5	32.5
3-4 PM	2010	0.0	527	0.0	3000	2010	0	527	0.33	0	68.2	66.3	49.7	33.2	33.2
4-5 PM	1721	0.0	452	0.0	3000	1721	0	452	0.34	0	68.6	66.6	49.7	34.2	34.2
5-6 PM	1447	0.0	380	0.0	3000	1447	0	380	0.34	0	68.9	66.9	49.7	35.0	35.0
6-7 PM	1230	0.0	322	0.0	3000	1230	0	322	0.35	0	69.2	67.1	49.7	35.8	35.8
7-8 PM	986	0.0	258	0.0	3000	986	0	258	0.35	0	69.5	67.4	49.7	36.5	36.5
8-9 PM	836	0.0	220	0.0	3000	836	0	220	0.35	0	69.7	67.5	49.7	37.0	37.0
9-10 PM	657	0.0	173	0.0	3000	657	0	173	0.36	0	69.9	67.7	49.7	37.6	37.6
10-11 PM	508	0.0	134	0.0	3000	508	0	134	0.36	0	70.1	67.9	49.7	38.1	38.1
11PM-MID	352	0.0	92	0.0	3000	352	0	92	0.36	0	70.2	67.9	49.7	38.6	38.6

----- 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	0.0675
MAIN ROUTE WITH WORKS	0.0653
DIVERSION	0.1879

PIA: Personal Injury Accidents

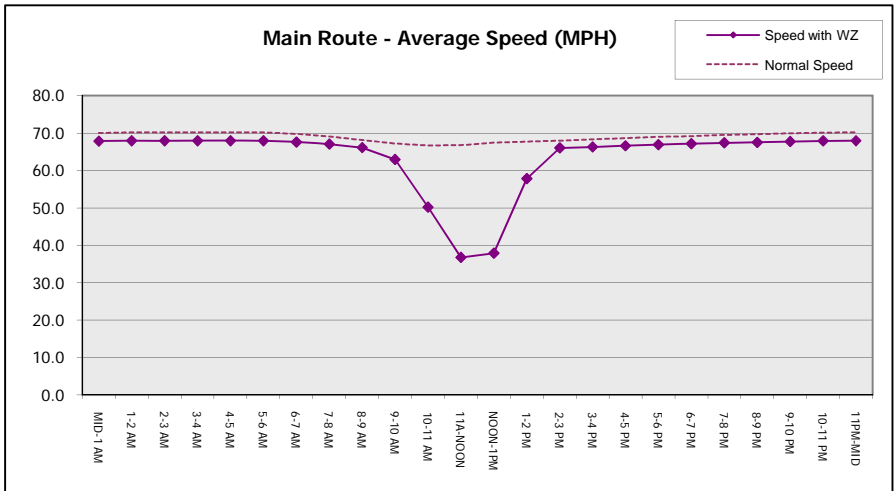
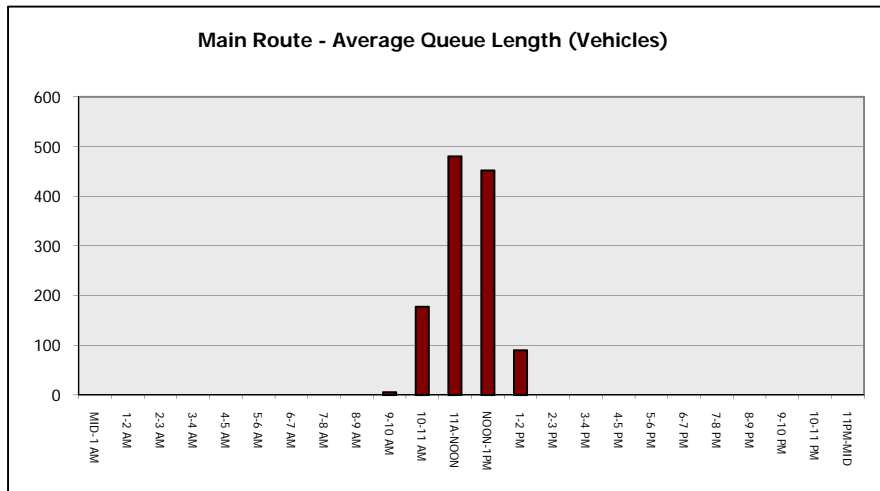
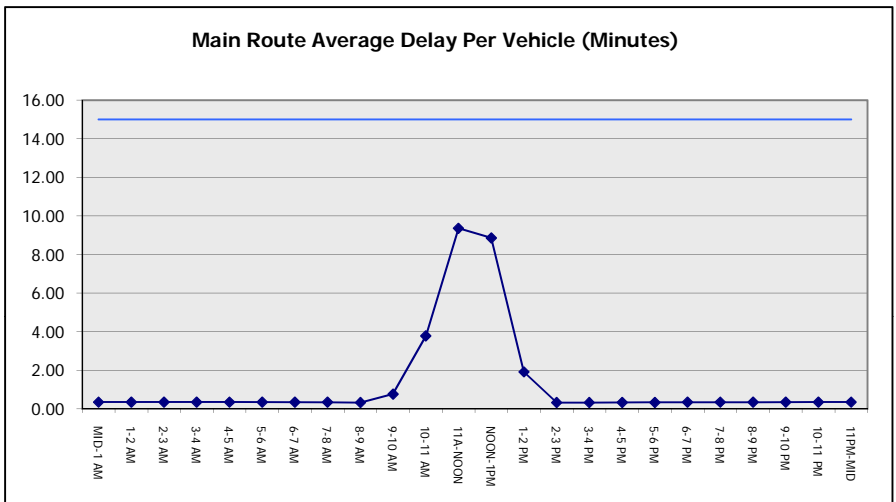
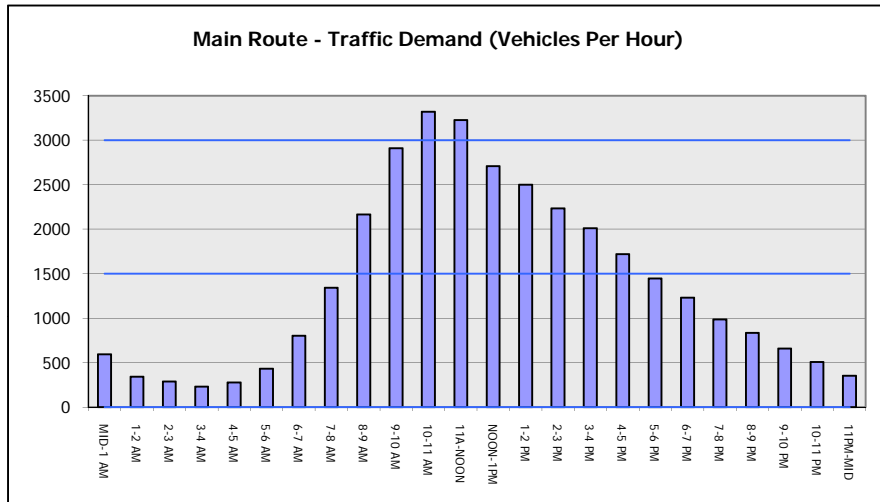
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$21,750
CONGESTED HOURS PER DAY*	0

*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

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) CONTINUOUS (24 HOUR) 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	3000	419	0	110	0.36	0	70.2	67.9	49.7	38.4	38.4
1-2 AM	317	0.0	83	0.0	3000	317	0	83	0.36	0	70.2	67.9	49.7	38.7	38.7
2-3 AM	302	0.0	80	0.0	3000	302	0	80	0.36	0	70.2	67.9	49.7	38.8	38.8
3-4 AM	286	0.0	75	0.0	3000	286	0	75	0.36	0	70.2	67.9	49.7	38.8	38.8
4-5 AM	280	0.0	73	0.0	3000	280	0	73	0.36	0	70.2	67.9	49.7	38.8	38.8
5-6 AM	341	0.0	89	0.0	3000	341	0	89	0.36	0	70.2	67.9	49.7	38.6	38.6
6-7 AM	485	0.0	128	0.0	3000	485	0	128	0.36	0	70.1	67.9	49.7	38.1	38.1
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	1067	0.0	280	0.0	3000	1067	0	280	0.35	0	69.4	67.3	49.7	36.3	36.3
9-10 AM	1561	0.0	410	0.0	3000	1561	0	410	0.34	0	68.8	66.8	49.7	34.7	34.7
10-11 AM	2220	0.0	583	0.0	3000	2220	0	583	0.33	0	68.0	66.0	49.7	32.5	32.5
11A-NOON	2612	0.0	685	0.0	3000	2612	0	685	0.47	0	67.5	64.8	44.3	31.2	31.2
NOON-1PM	2709	0.0	712	0.0	3000	2709	0	712	0.54	0	67.4	64.3	42.3	30.9	30.9
1-2 PM	2734	0.0	718	0.0	3000	2734	0	718	0.56	0	67.3	64.2	41.8	30.8	30.8
2-3 PM	2665	0.0	700	0.0	3000	2665	0	700	0.51	0	67.4	64.5	43.2	31.1	31.1
3-4 PM	2409	0.0	632	0.0	3000	2409	0	632	0.34	0	67.8	65.8	49.1	31.9	31.9
4-5 PM	2371	0.0	623	0.0	3000	2371	0	623	0.33	0	67.8	65.9	49.7	32.0	32.0
5-6 PM	2037	0.0	535	0.0	3000	2037	0	535	0.33	0	68.2	66.3	49.7	33.1	33.1
6-7 PM	1773	0.0	466	0.0	3000	1773	0	466	0.34	0	68.6	66.5	49.7	34.0	34.0
7-8 PM	1559	0.0	409	0.0	3000	1559	0	409	0.34	0	68.8	66.8	49.7	34.7	34.7
8-9 PM	1316	0.0	345	0.0	3000	1316	0	345	0.35	0	69.1	67.0	49.7	35.5	35.5
9-10 PM	1115	0.0	293	0.0	3000	1115	0	293	0.35	0	69.4	67.3	49.7	36.1	36.1
10-11 PM	892	0.0	234	0.0	3000	892	0	234	0.35	0	69.6	67.4	49.7	36.8	36.8
11PM-MID	593	0.0	156	0.0	3000	593	0	156	0.36	0	70.0	67.8	49.7	37.8	37.8

----- 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	0.0647
DIVERSION	0.1862

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$3,565
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

AUGUST
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SATURDAY EASTBOUND DIRECTION

