

**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

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	3000	367	0	96	0.36	0	70.2	67.9	49.7	38.6	38.6
1-2 AM	296	0.0	77	0.0	3000	296	0	77	0.36	0	70.2	67.9	49.7	38.8	38.8
2-3 AM	240	0.0	63	0.0	3000	240	0	63	0.36	0	70.2	67.9	49.7	38.9	38.9
3-4 AM	238	0.0	63	0.0	3000	238	0	63	0.36	0	70.2	67.9	49.7	38.9	38.9
4-5 AM	273	0.0	71	0.0	3000	273	0	71	0.36	0	70.2	67.9	49.7	38.9	38.9
5-6 AM	424	0.0	111	0.0	3000	424	0	111	0.36	0	70.2	67.9	49.7	38.4	38.4
6-7 AM	747	0.0	196	0.0	3000	747	0	196	0.35	0	69.8	67.6	49.7	37.3	37.3
7-8 AM	1141	0.0	299	0.0	3000	1141	0	299	0.35	0	69.3	67.2	49.7	36.0	36.0
8-9 AM	1349	0.0	354	0.0	3000	1349	0	354	0.35	0	69.1	67.0	49.7	35.3	35.3
9-10 AM	1555	0.0	408	0.0	3000	1555	0	408	0.34	0	68.8	66.8	49.7	34.7	34.7
10-11 AM	1664	0.0	437	0.0	3000	1664	0	437	0.34	0	68.7	66.6	49.7	34.3	34.3
11A-NOON	1764	0.0	464	0.0	3000	1764	0	464	0.34	0	68.6	66.5	49.7	34.0	34.0
NOON-1PM	1770	0.0	465	0.0	3000	1770	0	465	0.34	0	68.6	66.5	49.7	34.0	34.0
1-2 PM	1892	0.0	497	0.0	3000	1892	0	497	0.34	0	68.4	66.4	49.7	33.6	33.6
2-3 PM	1908	0.0	501	0.0	3000	1908	0	501	0.34	0	68.4	66.4	49.7	33.5	33.5
3-4 PM	2097	0.0	550	0.0	3000	2097	0	550	0.33	0	68.1	66.2	49.7	32.9	32.9
4-5 PM	2063	0.0	542	0.0	3000	2063	0	542	0.33	0	68.2	66.2	49.7	33.0	33.0
5-6 PM	1891	0.0	496	0.0	3000	1891	0	496	0.34	0	68.4	66.4	49.7	33.6	33.6
6-7 PM	1417	0.0	373	0.0	3000	1417	0	373	0.34	0	69.0	66.9	49.7	35.1	35.1
7-8 PM	1145	0.0	300	0.0	3000	1145	0	300	0.35	0	69.3	67.2	49.7	36.0	36.0
8-9 PM	946	0.0	248	0.0	3000	946	0	248	0.35	0	69.6	67.4	49.7	36.6	36.6
9-10 PM	768	0.0	202	0.0	3000	768	0	202	0.35	0	69.8	67.6	49.7	37.3	37.3
10-11 PM	597	0.0	157	0.0	3000	597	0	157	0.36	0	70.0	67.8	49.7	37.8	37.8
11PM-MID	484	0.0	127	0.0	3000	484	0	127	0.36	0	70.1	67.9	49.7	38.2	38.2

----- 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	0.0533
DIVERSION	0.1534

PIA: Personal Injury Accidents

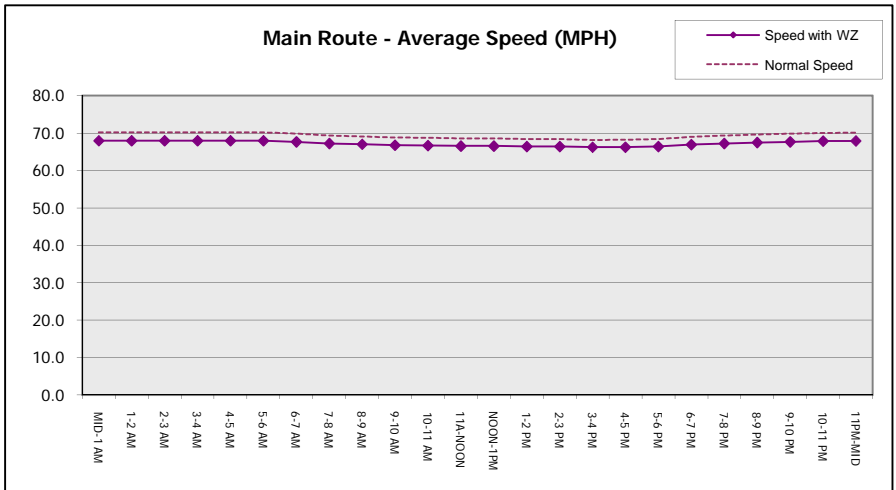
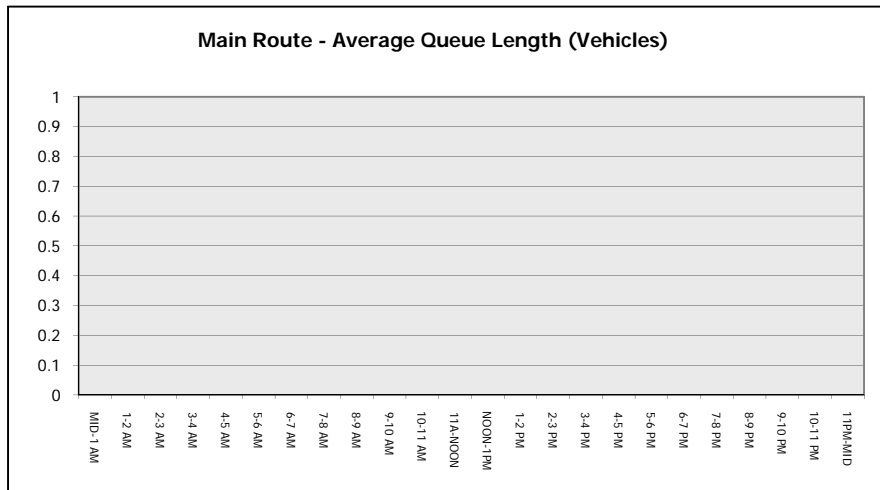
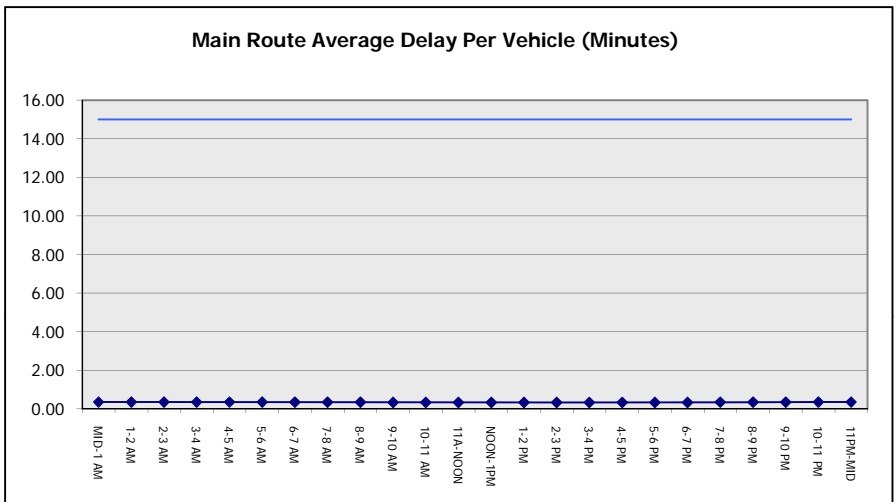
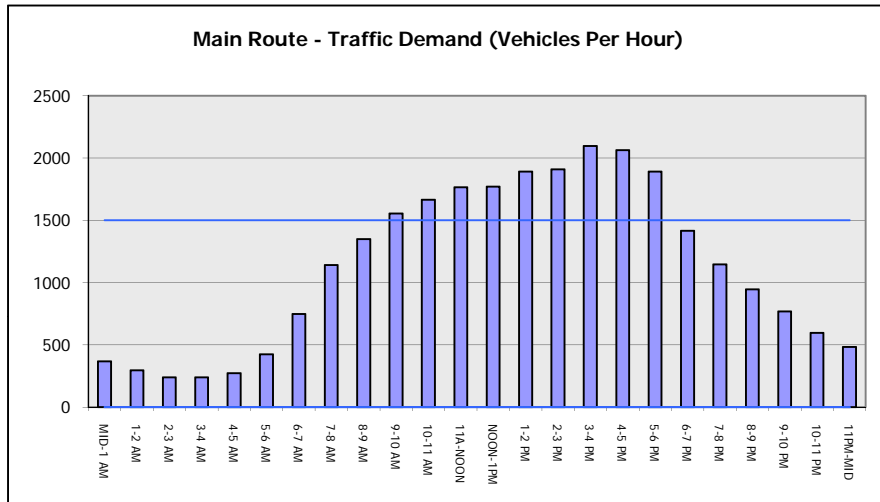
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$1,785
CONGESTED HOURS PER DAY*	0

*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
MON-THUR 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

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	3000	323	0	85	0.36	0	70.2	67.9	49.7	38.7	38.7
1-2 AM	258	0.0	68	0.0	3000	258	0	68	0.36	0	70.2	67.9	49.7	38.9	38.9
2-3 AM	248	0.0	65	0.0	3000	248	0	65	0.36	0	70.2	67.9	49.7	38.9	38.9
3-4 AM	273	0.0	71	0.0	3000	273	0	71	0.36	0	70.2	67.9	49.7	38.9	38.9
4-5 AM	372	0.0	98	0.0	3000	372	0	98	0.36	0	70.2	67.9	49.7	38.5	38.5
5-6 AM	695	0.0	182	0.0	3000	695	0	182	0.36	0	69.9	67.7	49.7	37.5	37.5
6-7 AM	1038	0.0	272	0.0	3000	1038	0	272	0.35	0	69.4	67.3	49.7	36.4	36.4
7-8 AM	1167	0.0	307	0.0	3000	1167	0	307	0.35	0	69.3	67.2	49.7	36.0	36.0
8-9 AM	1145	0.0	300	0.0	3000	1145	0	300	0.35	0	69.3	67.2	49.7	36.0	36.0
9-10 AM	1350	0.0	355	0.0	3000	1350	0	355	0.35	0	69.1	67.0	49.7	35.3	35.3
10-11 AM	1596	0.0	419	0.0	3000	1596	0	419	0.34	0	68.7	66.7	49.7	34.5	34.5
11A-NOON	1778	0.0	467	0.0	3000	1778	0	467	0.34	0	68.5	66.5	49.7	34.0	34.0
NOON-1PM	1783	0.0	468	0.0	3000	1783	0	468	0.34	0	68.5	66.5	49.7	33.9	33.9
1-2 PM	1890	0.0	496	0.0	3000	1890	0	496	0.34	0	68.4	66.4	49.7	33.6	33.6
2-3 PM	1962	0.0	515	0.0	3000	1962	0	515	0.34	0	68.3	66.3	49.7	33.3	33.3
3-4 PM	1984	0.0	521	0.0	3000	1984	0	521	0.33	0	68.2	66.3	49.7	33.3	33.3
4-5 PM	1996	0.0	524	0.0	3000	1996	0	524	0.33	0	68.2	66.3	49.7	33.2	33.2
5-6 PM	1814	0.0	476	0.0	3000	1814	0	476	0.34	0	68.5	66.4	49.7	33.8	33.8
6-7 PM	1495	0.0	392	0.0	3000	1495	0	392	0.34	0	68.9	66.8	49.7	34.9	34.9
7-8 PM	1251	0.0	329	0.0	3000	1251	0	329	0.35	0	69.2	67.1	49.7	35.6	35.6
8-9 PM	1033	0.0	271	0.0	3000	1033	0	271	0.35	0	69.4	67.3	49.7	36.4	36.4
9-10 PM	851	0.0	224	0.0	3000	851	0	224	0.35	0	69.7	67.5	49.7	36.9	36.9
10-11 PM	648	0.0	171	0.0	3000	648	0	171	0.36	0	69.9	67.8	49.7	37.6	37.6
11PM-MID	455	0.0	119	0.0	3000	455	0	119	0.36	0	70.2	67.9	49.7	38.3	38.3

----- 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	0.0540
DIVERSION	0.1555

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$1,814
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
MON-THUR EASTBOUND DIRECTION

