

**IH 39/90/94: STH 60 TO USH 51 (DANE AND COLUMBIA COUNTIES)
OFF-PEAK DAY 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	OFF	367	0	96	0.00	0	70.2	70.2	70.2	38.6	38.6
1-2 AM	296	0.0	77	0.0	OFF	296	0	77	0.00	0	70.2	70.2	70.2	38.8	38.8
2-3 AM	240	0.0	63	0.0	OFF	240	0	63	0.00	0	70.2	70.2	70.2	38.9	38.9
3-4 AM	238	0.0	63	0.0	OFF	238	0	63	0.00	0	70.2	70.2	70.2	38.9	38.9
4-5 AM	273	0.0	71	0.0	OFF	273	0	71	0.00	0	70.2	70.2	70.2	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	1499	1555	0	408	1.75	17	68.8	59.4	30.8	34.7	34.7
10-11 AM	1664	0.0	437	0.0	1500	1664	0	437	5.92	130	68.7	44.9	30.8	34.3	34.3
11A-NOON	1764	0.0	464	0.0	1500	1764	0	464	14.06	348	68.6	30.4	30.8	34.0	34.0
NOON-1PM	1770	0.0	465	0.0	1499	1636	134	599	22.91	573	68.6	22.5	30.8	34.0	32.3
1-2 PM	1892	0.0	497	0.0	1500	1566	326	823	26.15	658	68.4	20.6	30.8	33.6	29.5
2-3 PM	1908	0.0	501	0.0	1499	1516	393	894	27.29	687	68.4	19.9	30.8	33.5	28.6
3-4 PM	2097	0.0	550	0.0	1500	1602	495	1045	29.96	759	68.1	18.6	30.8	32.9	26.8
4-5 PM	2063	0.0	542	0.0	OFF	2063	0	542	0.99	81	68.2	62.7	62.7	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	OFF	1145	0	300	0.00	0	69.3	69.3	69.3	36.0	36.0
8-9 PM	946	0.0	248	0.0	OFF	946	0	248	0.00	0	69.6	69.6	69.6	36.6	36.6
9-10 PM	768	0.0	202	0.0	OFF	768	0	202	0.00	0	69.8	69.8	69.8	37.3	37.3
10-11 PM	597	0.0	157	0.0	OFF	597	0	157	0.00	0	70.0	70.0	70.0	37.8	37.8
11PM-MID	484	0.0	127	0.0	OFF	484	0	127	0.00	0	70.1	70.1	70.1	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	0.0516
DIVERSION	0.1825

PIA: Personal Injury Accidents

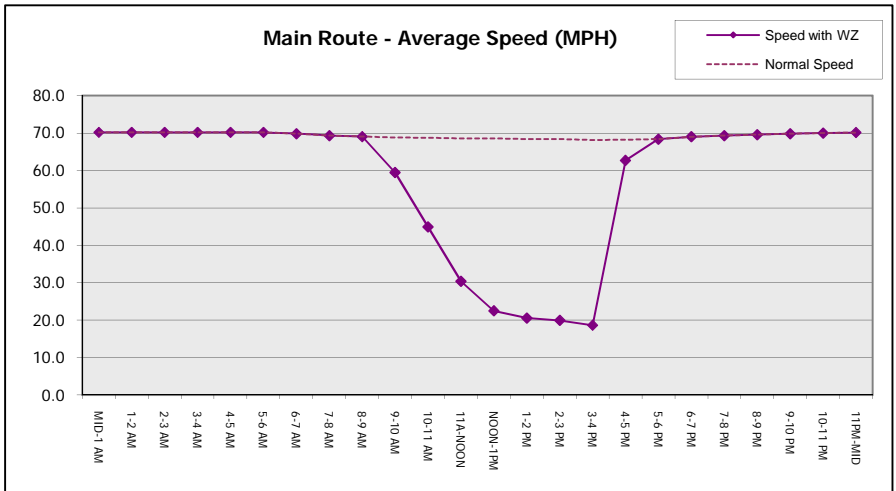
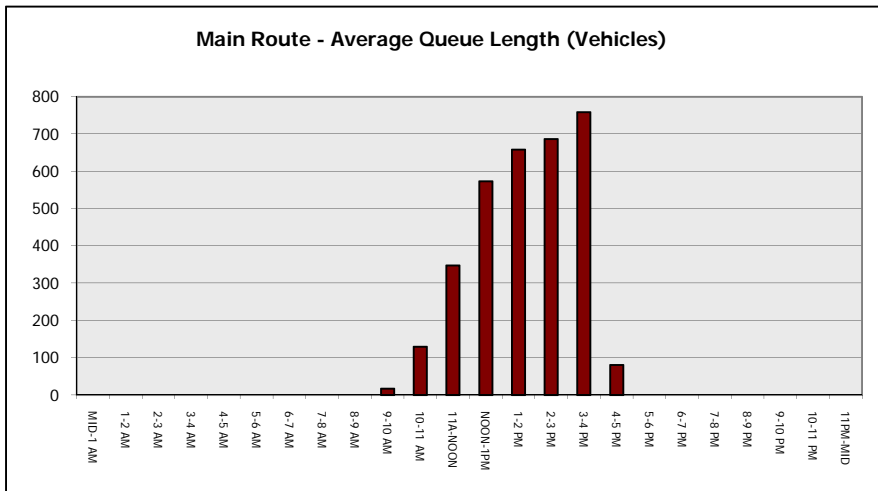
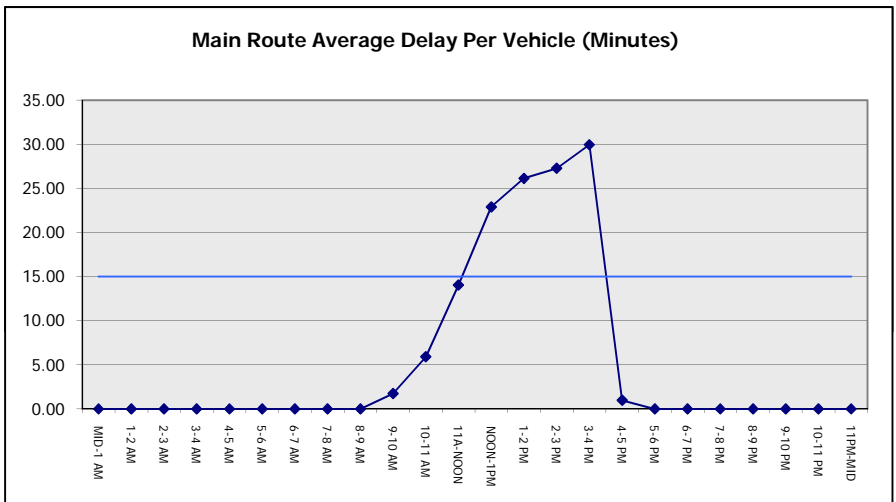
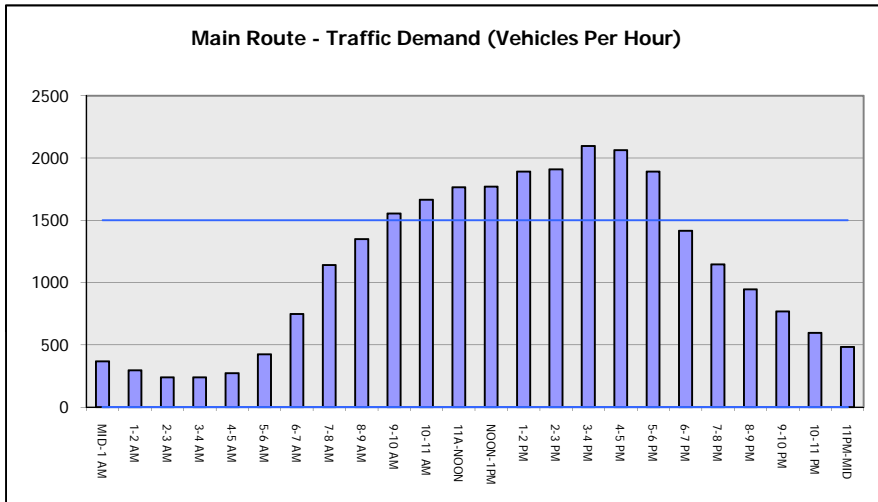
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$53,126
CONGESTED HOURS PER DAY*	4

*Delays Exceeding 15 Minutes

IH 39/90/94: STH 60 TO USH 51 (DANE AND COLUMBIA COUNTIES)
OFF-PEAK DAY 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) OFF-PEAK DAY 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	OFF	323	0	85	0.00	0	70.2	70.2	70.2	38.7	38.7
1-2 AM	258	0.0	68	0.0	OFF	258	0	68	0.00	0	70.2	70.2	70.2	38.9	38.9
2-3 AM	248	0.0	65	0.0	OFF	248	0	65	0.00	0	70.2	70.2	70.2	38.9	38.9
3-4 AM	273	0.0	71	0.0	OFF	273	0	71	0.00	0	70.2	70.2	70.2	38.9	38.9
4-5 AM	372	0.0	98	0.0	OFF	372	0	98	0.00	0	70.2	70.2	70.2	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	1499	1350	0	355	0.90	0	69.1	63.8	34.2	35.3	35.3
10-11 AM	1596	0.0	419	0.0	1499	1596	0	419	2.35	34	68.7	56.8	30.8	34.5	34.5
11A-NOON	1778	0.0	467	0.0	1500	1778	0	467	9.42	229	68.5	37.2	30.8	34.0	34.0
NOON-1PM	1783	0.0	468	0.0	1499	1732	50	518	20.04	502	68.5	24.6	30.8	33.9	33.3
1-2 PM	1890	0.0	496	0.0	1499	1579	311	807	25.90	651	68.4	20.7	30.8	33.6	29.7
2-3 PM	1962	0.0	515	0.0	1499	1540	422	937	28.01	707	68.3	19.6	30.8	33.3	28.1
3-4 PM	1984	0.0	521	0.0	1499	1514	470	991	28.97	732	68.2	19.1	30.8	33.3	27.4
4-5 PM	1996	0.0	524	0.0	OFF	1996	0	524	0.83	68	68.2	63.5	63.5	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	OFF	1251	0	329	0.00	0	69.2	69.2	69.2	35.6	35.6
8-9 PM	1033	0.0	271	0.0	OFF	1033	0	271	0.00	0	69.4	69.4	69.4	36.4	36.4
9-10 PM	851	0.0	224	0.0	OFF	851	0	224	0.00	0	69.7	69.7	69.7	36.9	36.9
10-11 PM	648	0.0	171	0.0	OFF	648	0	171	0.00	0	69.9	69.9	69.9	37.6	37.6
11PM-MID	455	0.0	119	0.0	OFF	455	0	119	0.00	0	70.2	70.2	70.2	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	0.0525
DIVERSION	0.1826

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$47,940
CONGESTED HOURS PER DAY*	4

*Delays Exceeding 15 Minutes

IH 39/90/94: STH 60 TO USH 51 (DANE AND COLUMBIA COUNTIES)
OFF-PEAK DAY 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

