

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

FRIDAY 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	475	0.0	125	0.0	OFF	475	0	125	0.00	0	70.2	70.2	70.2	38.2	38.2
1-2 AM	373	0.0	98	0.0	OFF	373	0	98	0.00	0	70.2	70.2	70.2	38.5	38.5
2-3 AM	312	0.0	82	0.0	OFF	312	0	82	0.00	0	70.2	70.2	70.2	38.8	38.8
3-4 AM	289	0.0	75	0.0	OFF	289	0	75	0.00	0	70.2	70.2	70.2	38.8	38.8
4-5 AM	332	0.0	87	0.0	OFF	332	0	87	0.00	0	70.2	70.2	70.2	38.7	38.7
5-6 AM	500	0.0	131	0.0	OFF	500	0	131	0.00	0	70.1	70.1	70.1	38.1	38.1
6-7 AM	873	0.0	229	0.0	OFF	873	0	229	0.00	0	69.7	69.7	69.7	36.9	36.9
7-8 AM	1325	0.0	347	0.0	OFF	1325	0	347	0.00	0	69.1	69.1	69.1	35.5	35.5
8-9 AM	1758	0.0	461	0.0	OFF	1758	0	461	0.00	0	68.6	68.6	68.6	34.0	34.0
9-10 AM	2259	0.0	593	0.0	1499	2227	31	625	12.22	348	67.9	32.7	30.8	32.4	32.0
10-11 AM	2618	0.0	687	0.0	1499	1932	686	1373+	37.25	960	67.5	15.8	30.8	31.2	22.7
11A-NOON	2801	0.0	736	0.0	1499	1504	1298	2033+	47.78	1229	67.3	13.0	30.8	30.6	18.6
NOON-1PM	2936	0.0	770	0.0	1499	1501	1435	2205+	47.78	1229	67.1	13.0	30.8	30.2	18.6
1-2 PM	2949	0.0	774	0.0	1499	1501	1448	2222+	47.78	1229	67.1	13.0	30.8	30.1	18.6
2-3 PM	3303	0.0	866	0.0	1499	1502	1801	2667+	47.70	1229	66.6	13.0	30.8	29.0	18.6
3-4 PM	3655	0.0	960	0.0	1499	1501	2153	3113+	47.57	1229	65.9	13.0	30.8	27.8	18.6
4-5 PM	3580	0.0	940	0.0	OFF	3580	0	940	4.38	282	66.3	48.1	48.1	28.1	28.1
5-6 PM	3520	0.0	924	0.0	OFF	3520	0	924	0.00	0	66.4	66.4	66.4	28.3	28.3
6-7 PM	3613	0.0	948	0.0	OFF	3613	0	948	0.00	0	66.2	66.2	66.2	27.9	27.9
7-8 PM	2864	0.0	751	0.0	OFF	2864	0	751	0.00	0	67.2	67.2	67.2	30.4	30.4
8-9 PM	2225	0.0	584	0.0	OFF	2225	0	584	0.00	0	67.9	67.9	67.9	32.5	32.5
9-10 PM	1785	0.0	469	0.0	OFF	1785	0	469	0.00	0	68.5	68.5	68.5	33.9	33.9
10-11 PM	1283	0.0	337	0.0	OFF	1283	0	337	0.00	0	69.1	69.1	69.1	35.6	35.6
11PM-MID	897	0.0	235	0.0	OFF	897	0	235	0.00	0	69.6	69.6	69.6	36.8	36.8

"OFF" INDICATES NO ROAD WORK (ALL LANES OPEN TO TRAFFIC)

+ INDICATES DIVERSION FLOW EXCEEDS USER-SPECIFIED WARNING LIMIT

----- 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	0.0948
MAIN ROUTE WITH WORKS	0.0760
DIVERSION	0.4552

PIA: Personal Injury Accidents

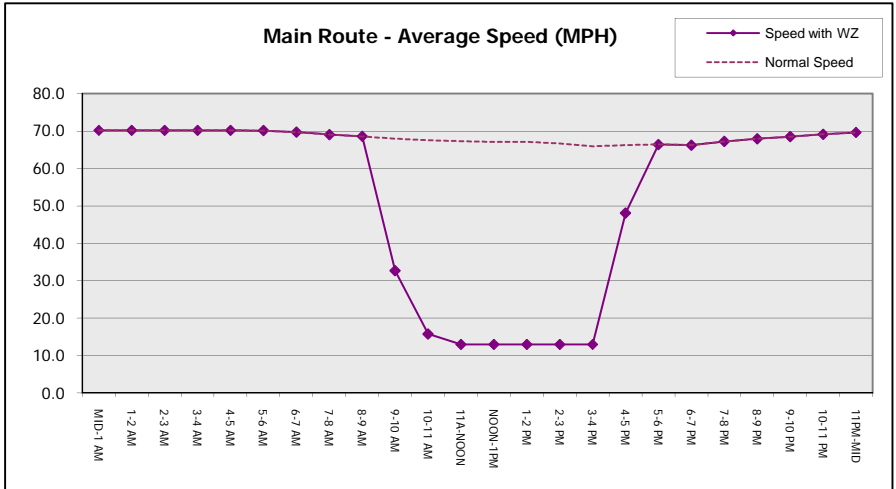
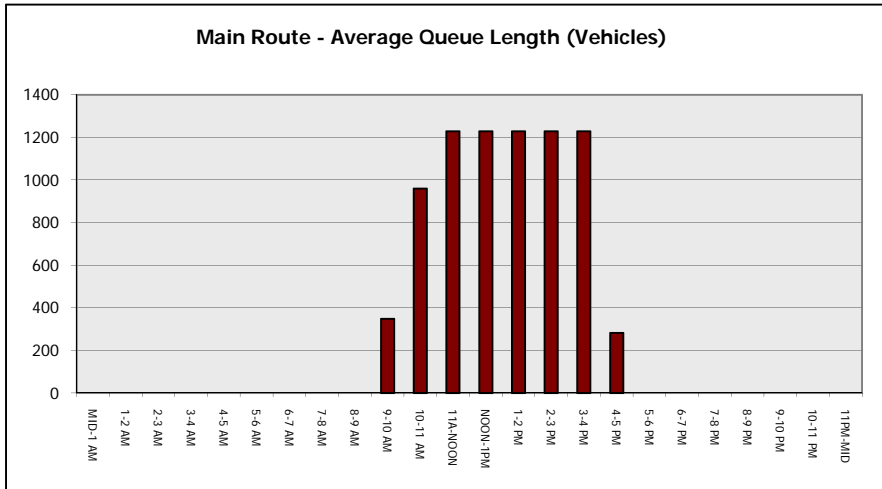
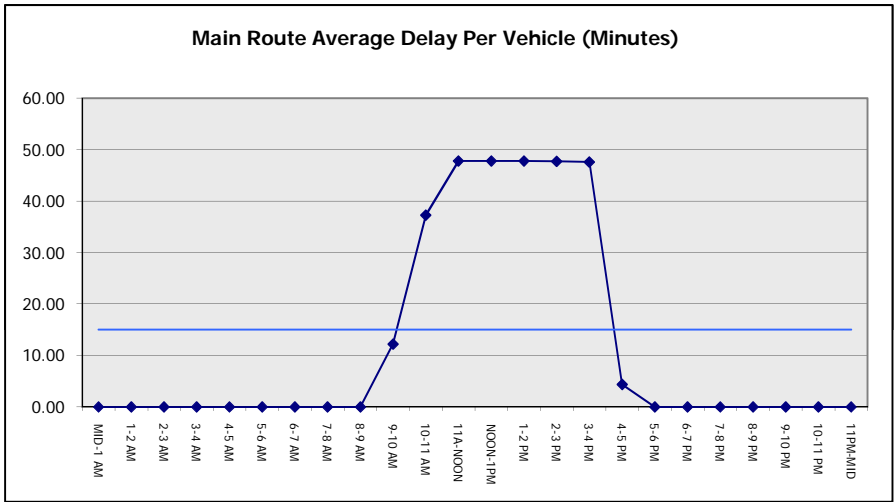
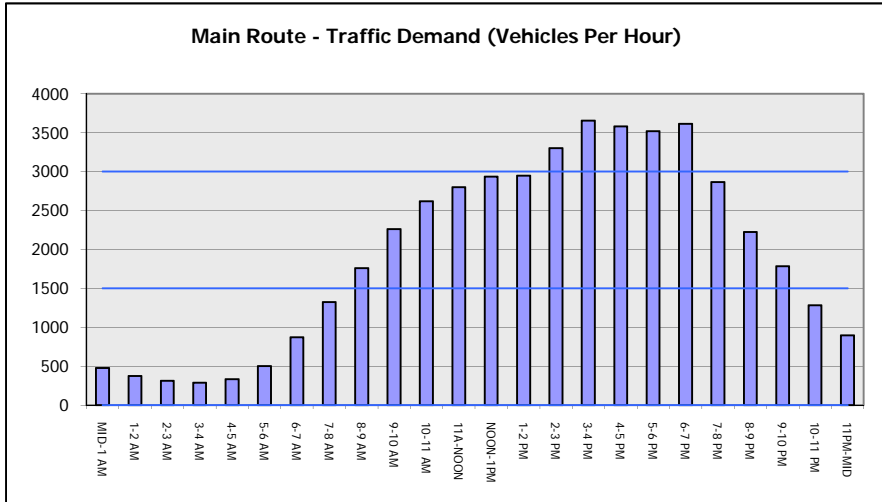
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$221,964
CONGESTED HOURS PER DAY*	6

*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
FRIDAY 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	
FRIDAY	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		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	348	0.0	91	0.0	OFF	348	0	91	0.00	0	70.2	70.2	70.2	38.6	38.6
1-2 AM	306	0.0	81	0.0	OFF	306	0	81	0.00	0	70.2	70.2	70.2	38.8	38.8
2-3 AM	270	0.0	71	0.0	OFF	270	0	71	0.00	0	70.2	70.2	70.2	38.9	38.9
3-4 AM	293	0.0	77	0.0	OFF	293	0	77	0.00	0	70.2	70.2	70.2	38.8	38.8
4-5 AM	368	0.0	96	0.0	OFF	368	0	96	0.00	0	70.2	70.2	70.2	38.6	38.6
5-6 AM	642	0.0	168	0.0	OFF	642	0	168	0.00	0	69.9	69.9	69.9	37.6	37.6
6-7 AM	967	0.0	254	0.0	OFF	967	0	254	0.00	0	69.6	69.6	69.6	36.6	36.6
7-8 AM	1095	0.0	288	0.0	OFF	1095	0	288	0.00	0	69.4	69.4	69.4	36.1	36.1
8-9 AM	1143	0.0	300	0.0	OFF	1143	0	300	0.00	0	69.3	69.3	69.3	36.0	36.0
9-10 AM	1392	0.0	365	0.0	1499	1392	0	365	0.96	0	69.0	63.5	33.3	35.2	35.2
10-11 AM	1777	0.0	467	0.0	1499	1777	0	467	5.22	120	68.5	46.8	30.8	34.0	34.0
11A-NOON	1971	0.0	517	0.0	1500	1898	73	590	19.24	493	68.3	25.2	30.8	33.3	32.4
NOON-1PM	1991	0.0	522	0.0	1499	1571	420	942	28.09	709	68.2	19.5	30.8	33.3	28.1
1-2 PM	2254	0.0	591	0.0	1500	1671	584	1175	32.56	829	67.9	17.5	30.8	32.4	25.2
2-3 PM	2524	0.0	662	0.0	1499	1710	814	1476+	40.19	1030	67.6	14.9	30.8	31.5	21.4
3-4 PM	2461	0.0	647	0.0	1499	1506	956	1602+	44.26	1134	67.7	13.8	30.8	31.7	19.9
4-5 PM	2411	0.0	633	0.0	OFF	2411	0	633	2.03	178	67.8	57.4	57.4	31.9	31.9
5-6 PM	2194	0.0	576	0.0	OFF	2194	0	576	0.00	0	68.0	68.0	68.0	32.6	32.6
6-7 PM	1880	0.0	494	0.0	OFF	1880	0	494	0.00	0	68.4	68.4	68.4	33.6	33.6
7-8 PM	1624	0.0	427	0.0	OFF	1624	0	427	0.00	0	68.7	68.7	68.7	34.5	34.5
8-9 PM	1432	0.0	376	0.0	OFF	1432	0	376	0.00	0	68.9	68.9	68.9	35.1	35.1
9-10 PM	1184	0.0	311	0.0	OFF	1184	0	311	0.00	0	69.2	69.2	69.2	35.9	35.9
10-11 PM	900	0.0	236	0.0	OFF	900	0	236	0.00	0	69.6	69.6	69.6	36.8	36.8
11PM-MID	611	0.0	160	0.0	OFF	611	0	160	0.00	0	70.0	70.0	70.0	37.8	37.8

"OFF" INDICATES NO ROAD WORK (ALL LANES OPEN TO TRAFFIC)

+ INDICATES DIVERSION FLOW EXCEEDS USER-SPECIFIED WARNING LIMIT

----- 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	0.0653
MAIN ROUTE WITH WORKS	0.0587
DIVERSION	0.2433

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$98,345
CONGESTED HOURS PER DAY*	5

*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
FRIDAY EASTBOUND DIRECTION

