

**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**

OCTOBER

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	358	0.0	94	0.0	OFF	358	0	94	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	260	0.0	68	0.0	OFF	260	0	68	0.00	0	70.2	70.2	70.2	38.9	38.9
3-4 AM	271	0.0	71	0.0	OFF	271	0	71	0.00	0	70.2	70.2	70.2	38.9	38.9
4-5 AM	305	0.0	80	0.0	OFF	305	0	80	0.00	0	70.2	70.2	70.2	38.8	38.8
5-6 AM	481	0.0	127	0.0	OFF	481	0	127	0.00	0	70.1	70.1	70.1	38.2	38.2
6-7 AM	789	0.0	207	0.0	OFF	789	0	207	0.00	0	69.7	69.7	69.7	37.2	37.2
7-8 AM	1179	0.0	310	0.0	OFF	1179	0	310	0.00	0	69.2	69.2	69.2	35.9	35.9
8-9 AM	1388	0.0	364	0.0	OFF	1388	0	364	0.00	0	69.0	69.0	69.0	35.2	35.2
9-10 AM	1611	0.0	423	0.0	1499	1611	0	423	2.59	41	68.7	55.8	30.8	34.5	34.5
10-11 AM	1833	0.0	481	0.0	1500	1833	0	481	10.68	265	68.4	35.1	30.8	33.8	33.8
11A-NOON	2001	0.0	525	0.0	1499	1782	219	744	24.50	620	68.2	21.5	30.8	33.2	30.5
NOON-1PM	2059	0.0	540	0.0	1499	1561	498	1037	29.82	754	68.2	18.7	30.8	33.0	26.9
1-2 PM	2250	0.0	590	0.0	1499	1626	624	1214+	33.44	851	67.9	17.1	30.8	32.4	24.7
2-3 PM	2390	0.0	628	0.0	1499	1617	773	1401+	38.06	972	67.8	15.5	30.8	31.9	22.4
3-4 PM	2507	0.0	658	0.0	1499	1615	892	1550+	42.48	1089	67.6	14.3	30.8	31.5	20.5
4-5 PM	2601	0.0	683	0.0	OFF	2601	0	683	2.33	193	67.5	56.0	56.0	31.2	31.2
5-6 PM	2656	0.0	697	0.0	OFF	2656	0	697	0.00	0	67.4	67.4	67.4	31.1	31.1
6-7 PM	2449	0.0	642	0.0	OFF	2449	0	642	0.00	0	67.7	67.7	67.7	31.8	31.8
7-8 PM	2081	0.0	546	0.0	OFF	2081	0	546	0.00	0	68.1	68.1	68.1	33.0	33.0
8-9 PM	1675	0.0	439	0.0	OFF	1675	0	439	0.00	0	68.6	68.6	68.6	34.3	34.3
9-10 PM	1241	0.0	325	0.0	OFF	1241	0	325	0.00	0	69.2	69.2	69.2	35.7	35.7
10-11 PM	893	0.0	234	0.0	OFF	893	0	234	0.00	0	69.6	69.6	69.6	36.8	36.8
11PM-MID	595	0.0	156	0.0	OFF	595	0	156	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	0.0696
MAIN ROUTE WITH WORKS	0.0627
DIVERSION	0.2588

PIA: Personal Injury Accidents

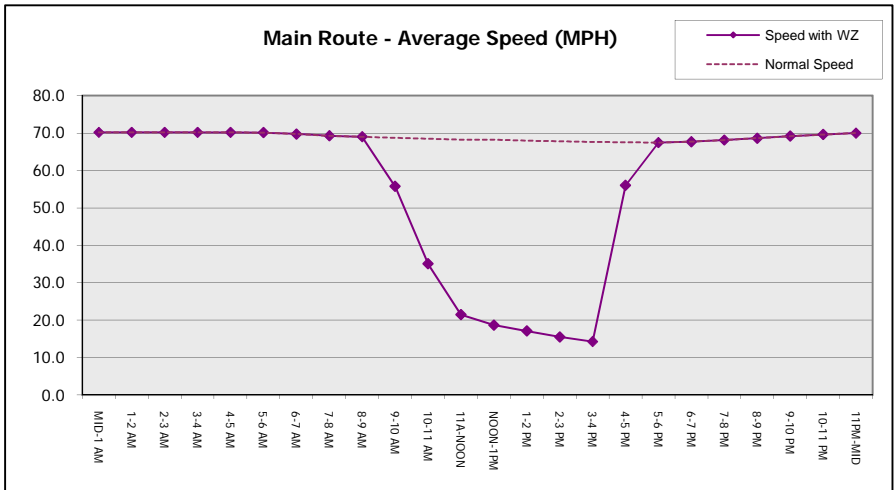
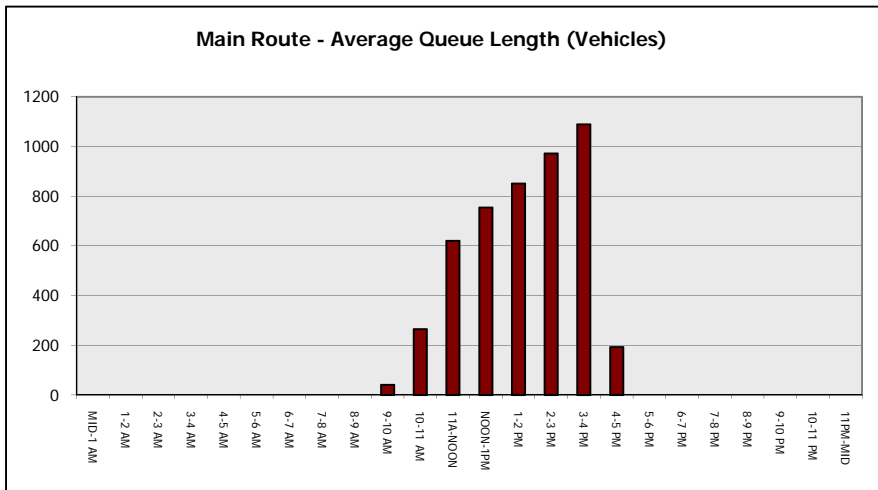
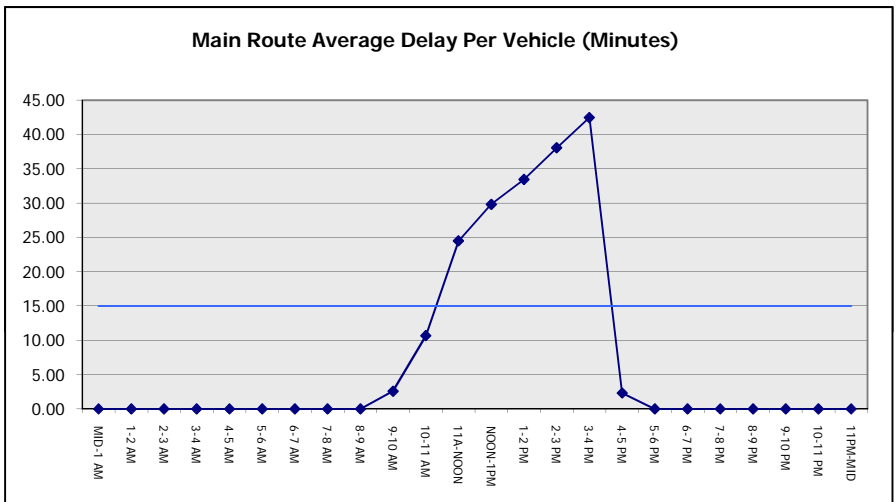
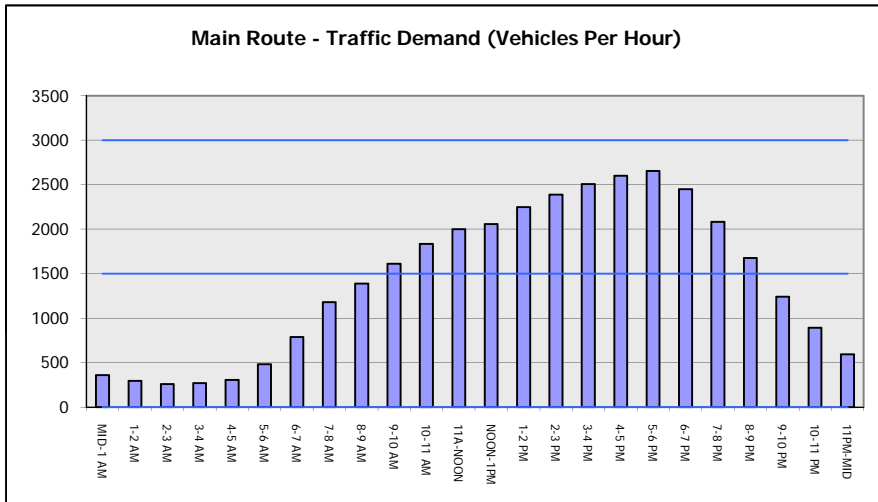
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$93,543
CONGESTED HOURS PER DAY*	5

*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

OCTOBER
 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	OCTOBER
	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		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	288	0.0	75	0.0	OFF	288	0	75	0.00	0	70.2	70.2	70.2	38.8	38.8
1-2 AM	238	0.0	63	0.0	OFF	238	0	63	0.00	0	70.2	70.2	70.2	38.9	38.9
2-3 AM	258	0.0	68	0.0	OFF	258	0	68	0.00	0	70.2	70.2	70.2	38.9	38.9
3-4 AM	275	0.0	72	0.0	OFF	275	0	72	0.00	0	70.2	70.2	70.2	38.9	38.9
4-5 AM	360	0.0	94	0.0	OFF	360	0	94	0.00	0	70.2	70.2	70.2	38.6	38.6
5-6 AM	608	0.0	159	0.0	OFF	608	0	159	0.00	0	70.0	70.0	70.0	37.8	37.8
6-7 AM	951	0.0	250	0.0	OFF	951	0	250	0.00	0	69.6	69.6	69.6	36.6	36.6
7-8 AM	1066	0.0	280	0.0	OFF	1066	0	280	0.00	0	69.4	69.4	69.4	36.3	36.3
8-9 AM	1093	0.0	287	0.0	OFF	1093	0	287	0.00	0	69.4	69.4	69.4	36.2	36.2
9-10 AM	1218	0.0	319	0.0	1499	1218	0	319	0.73	0	69.2	65.0	37.9	35.8	35.8
10-11 AM	1456	0.0	382	0.0	1499	1456	0	382	1.07	0	68.9	62.9	31.8	35.0	35.0
11A-NOON	1623	0.0	426	0.0	1500	1623	0	426	3.10	55	68.7	53.8	30.8	34.5	34.5
NOON-1PM	1759	0.0	461	0.0	1500	1759	0	461	10.12	245	68.6	36.0	30.8	34.0	34.0
1-2 PM	1960	0.0	515	0.0	1500	1818	143	657	22.47	570	68.3	22.8	30.8	33.3	31.6
2-3 PM	2144	0.0	563	0.0	1499	1628	516	1079	30.61	776	68.1	18.3	30.8	32.7	26.3
3-4 PM	2131	0.0	559	0.0	1499	1511	620	1178	32.67	829	68.1	17.5	30.8	32.8	25.1
4-5 PM	2366	0.0	620	0.0	OFF	2366	0	620	1.16	97	67.8	61.5	61.5	32.0	32.0
5-6 PM	2104	0.0	552	0.0	OFF	2104	0	552	0.00	0	68.1	68.1	68.1	32.9	32.9
6-7 PM	1772	0.0	465	0.0	OFF	1772	0	465	0.00	0	68.6	68.6	68.6	34.0	34.0
7-8 PM	1484	0.0	389	0.0	OFF	1484	0	389	0.00	0	68.9	68.9	68.9	34.9	34.9
8-9 PM	1222	0.0	320	0.0	OFF	1222	0	320	0.00	0	69.2	69.2	69.2	35.8	35.8
9-10 PM	933	0.0	245	0.0	OFF	933	0	245	0.00	0	69.6	69.6	69.6	36.7	36.7
10-11 PM	701	0.0	184	0.0	OFF	701	0	184	0.00	0	69.9	69.9	69.9	37.4	37.4
11PM-MID	447	0.0	117	0.0	OFF	447	0	117	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	0.0580
MAIN ROUTE WITH WORKS	0.0546
DIVERSION	0.1890

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$46,963
CONGESTED HOURS PER DAY*	3

*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

OCTOBER
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 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY EASTBOUND DIRECTION

