

**IH 39/90/94: STH 60 TO USH 51 (DANE AND COLUMBIA COUNTIES)
CONTINUOUS (24 HOUR) 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	3000	358	0	94	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	260	0.0	68	0.0	3000	260	0	68	0.36	0	70.2	67.9	49.7	38.9	38.9
3-4 AM	271	0.0	71	0.0	3000	271	0	71	0.36	0	70.2	67.9	49.7	38.9	38.9
4-5 AM	305	0.0	80	0.0	3000	305	0	80	0.36	0	70.2	67.9	49.7	38.8	38.8
5-6 AM	481	0.0	127	0.0	3000	481	0	127	0.36	0	70.1	67.9	49.7	38.2	38.2
6-7 AM	789	0.0	207	0.0	3000	789	0	207	0.35	0	69.7	67.6	49.7	37.2	37.2
7-8 AM	1179	0.0	310	0.0	3000	1179	0	310	0.35	0	69.2	67.1	49.7	35.9	35.9
8-9 AM	1388	0.0	364	0.0	3000	1388	0	364	0.34	0	69.0	66.9	49.7	35.2	35.2
9-10 AM	1611	0.0	423	0.0	3000	1611	0	423	0.34	0	68.7	66.7	49.7	34.5	34.5
10-11 AM	1833	0.0	481	0.0	3000	1833	0	481	0.34	0	68.4	66.4	49.7	33.8	33.8
11A-NOON	2001	0.0	525	0.0	3000	2001	0	525	0.33	0	68.2	66.3	49.7	33.2	33.2
NOON-1PM	2059	0.0	540	0.0	3000	2059	0	540	0.33	0	68.2	66.2	49.7	33.0	33.0
1-2 PM	2250	0.0	590	0.0	3000	2250	0	590	0.33	0	67.9	66.0	49.7	32.4	32.4
2-3 PM	2390	0.0	628	0.0	3000	2390	0	628	0.33	0	67.8	65.8	49.6	31.9	31.9
3-4 PM	2507	0.0	658	0.0	3000	2507	0	658	0.41	0	67.6	65.3	46.6	31.5	31.5
4-5 PM	2601	0.0	683	0.0	3000	2601	0	683	0.47	0	67.5	64.8	44.5	31.2	31.2
5-6 PM	2656	0.0	697	0.0	3000	2656	0	697	0.50	0	67.4	64.6	43.3	31.1	31.1
6-7 PM	2449	0.0	642	0.0	3000	2449	0	642	0.37	0	67.7	65.6	48.1	31.8	31.8
7-8 PM	2081	0.0	546	0.0	3000	2081	0	546	0.33	0	68.1	66.2	49.7	33.0	33.0
8-9 PM	1675	0.0	439	0.0	3000	1675	0	439	0.34	0	68.6	66.6	49.7	34.3	34.3
9-10 PM	1241	0.0	325	0.0	3000	1241	0	325	0.35	0	69.2	67.1	49.7	35.7	35.7
10-11 PM	893	0.0	234	0.0	3000	893	0	234	0.35	0	69.6	67.4	49.7	36.8	36.8
11PM-MID	595	0.0	156	0.0	3000	595	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 (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	0.0696
MAIN ROUTE WITH WORKS	0.0674
DIVERSION	0.1938

PIA: Personal Injury Accidents

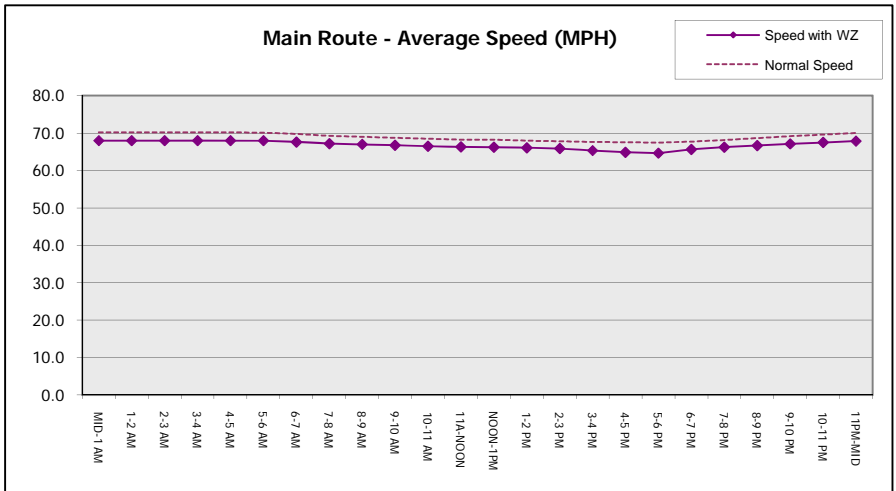
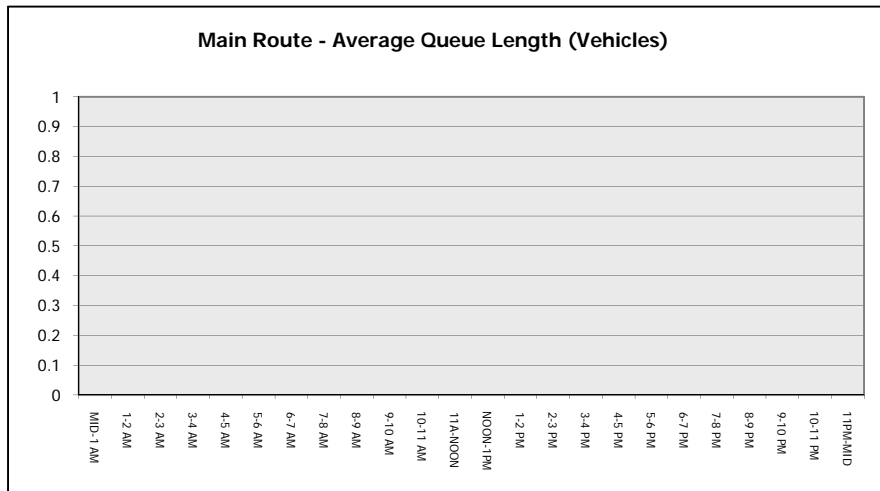
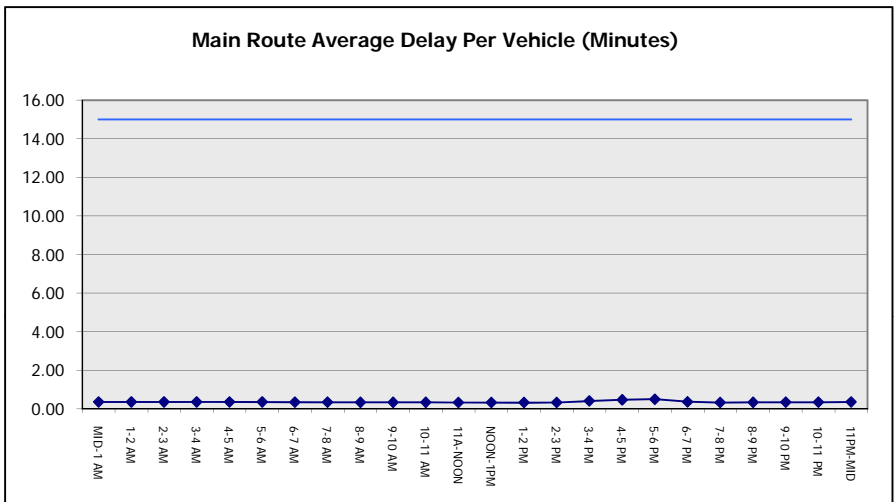
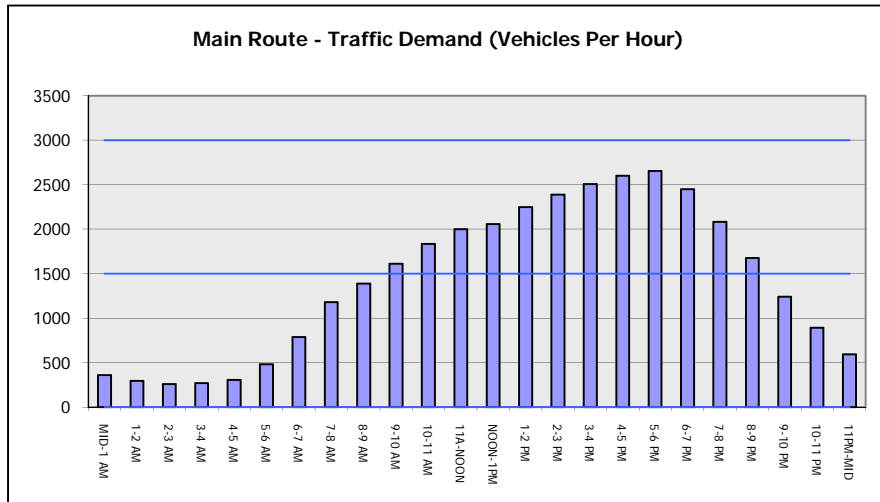
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$2,514
CONGESTED HOURS PER DAY*	0

*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

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) CONTINUOUS (24 HOUR) 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	3000	288	0	75	0.36	0	70.2	67.9	49.7	38.8	38.8
1-2 AM	238	0.0	63	0.0	3000	238	0	63	0.36	0	70.2	67.9	49.7	38.9	38.9
2-3 AM	258	0.0	68	0.0	3000	258	0	68	0.36	0	70.2	67.9	49.7	38.9	38.9
3-4 AM	275	0.0	72	0.0	3000	275	0	72	0.36	0	70.2	67.9	49.7	38.9	38.9
4-5 AM	360	0.0	94	0.0	3000	360	0	94	0.36	0	70.2	67.9	49.7	38.6	38.6
5-6 AM	608	0.0	159	0.0	3000	608	0	159	0.36	0	70.0	67.8	49.7	37.8	37.8
6-7 AM	951	0.0	250	0.0	3000	951	0	250	0.35	0	69.6	67.4	49.7	36.6	36.6
7-8 AM	1066	0.0	280	0.0	3000	1066	0	280	0.35	0	69.4	67.3	49.7	36.3	36.3
8-9 AM	1093	0.0	287	0.0	3000	1093	0	287	0.35	0	69.4	67.3	49.7	36.2	36.2
9-10 AM	1218	0.0	319	0.0	3000	1218	0	319	0.35	0	69.2	67.1	49.7	35.8	35.8
10-11 AM	1456	0.0	382	0.0	3000	1456	0	382	0.34	0	68.9	66.9	49.7	35.0	35.0
11A-NOON	1623	0.0	426	0.0	3000	1623	0	426	0.34	0	68.7	66.7	49.7	34.5	34.5
NOON-1PM	1759	0.0	461	0.0	3000	1759	0	461	0.34	0	68.6	66.5	49.7	34.0	34.0
1-2 PM	1960	0.0	515	0.0	3000	1960	0	515	0.34	0	68.3	66.3	49.7	33.3	33.3
2-3 PM	2144	0.0	563	0.0	3000	2144	0	563	0.33	0	68.1	66.1	49.7	32.7	32.7
3-4 PM	2131	0.0	559	0.0	3000	2131	0	559	0.33	0	68.1	66.1	49.7	32.8	32.8
4-5 PM	2366	0.0	620	0.0	3000	2366	0	620	0.33	0	67.8	65.9	49.7	32.0	32.0
5-6 PM	2104	0.0	552	0.0	3000	2104	0	552	0.33	0	68.1	66.1	49.7	32.9	32.9
6-7 PM	1772	0.0	465	0.0	3000	1772	0	465	0.34	0	68.6	66.5	49.7	34.0	34.0
7-8 PM	1484	0.0	389	0.0	3000	1484	0	389	0.34	0	68.9	66.8	49.7	34.9	34.9
8-9 PM	1222	0.0	320	0.0	3000	1222	0	320	0.35	0	69.2	67.1	49.7	35.8	35.8
9-10 PM	933	0.0	245	0.0	3000	933	0	245	0.35	0	69.6	67.4	49.7	36.7	36.7
10-11 PM	701	0.0	184	0.0	3000	701	0	184	0.36	0	69.9	67.7	49.7	37.4	37.4
11PM-MID	447	0.0	117	0.0	3000	447	0	117	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	0.0580
MAIN ROUTE WITH WORKS	0.0561
DIVERSION	0.1614

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$1,937
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

OCTOBER
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY EASTBOUND DIRECTION

