

**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
SUNDAY 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	218	0.0	58	0.0	3000	218	0	58	0.36	0	70.2	67.9	49.7	39.0	39.0
1-2 AM	166	0.0	44	0.0	3000	166	0	44	0.36	0	70.2	67.9	49.7	39.2	39.2
2-3 AM	118	0.0	31	0.0	3000	118	0	31	0.36	0	70.2	67.9	49.7	39.4	39.4
3-4 AM	114	0.0	30	0.0	3000	114	0	30	0.36	0	70.2	67.9	49.7	39.4	39.4
4-5 AM	116	0.0	30	0.0	3000	116	0	30	0.36	0	70.2	67.9	49.7	39.4	39.4
5-6 AM	182	0.0	48	0.0	3000	182	0	48	0.36	0	70.2	67.9	49.7	39.1	39.1
6-7 AM	271	0.0	71	0.0	3000	271	0	71	0.36	0	70.2	67.9	49.7	38.9	38.9
7-8 AM	492	0.0	129	0.0	3000	492	0	129	0.36	0	70.1	67.9	49.7	38.1	38.1
8-9 AM	808	0.0	212	0.0	3000	808	0	212	0.35	0	69.7	67.6	49.7	37.1	37.1
9-10 AM	1219	0.0	320	0.0	3000	1219	0	320	0.35	0	69.2	67.1	49.7	35.8	35.8
10-11 AM	1612	0.0	424	0.0	3000	1612	0	424	0.34	0	68.7	66.7	49.7	34.5	34.5
11A-NOON	1876	0.0	493	0.0	3000	1876	0	493	0.34	0	68.4	66.4	49.7	33.6	33.6
NOON-1PM	1959	0.0	514	0.0	3000	1959	0	514	0.34	0	68.3	66.3	49.7	33.3	33.3
1-2 PM	2043	0.0	537	0.0	3000	2043	0	537	0.33	0	68.2	66.2	49.7	33.1	33.1
2-3 PM	2037	0.0	535	0.0	3000	2037	0	535	0.33	0	68.2	66.3	49.7	33.1	33.1
3-4 PM	1983	0.0	520	0.0	3000	1983	0	520	0.33	0	68.2	66.3	49.7	33.3	33.3
4-5 PM	1911	0.0	501	0.0	3000	1911	0	501	0.34	0	68.4	66.4	49.7	33.5	33.5
5-6 PM	1682	0.0	442	0.0	3000	1682	0	442	0.34	0	68.6	66.6	49.7	34.3	34.3
6-7 PM	1374	0.0	361	0.0	3000	1374	0	361	0.34	0	69.1	66.9	49.7	35.3	35.3
7-8 PM	1095	0.0	288	0.0	3000	1095	0	288	0.35	0	69.4	67.3	49.7	36.1	36.1
8-9 PM	804	0.0	211	0.0	3000	804	0	211	0.35	0	69.7	67.6	49.7	37.1	37.1
9-10 PM	581	0.0	153	0.0	3000	581	0	153	0.36	0	70.0	67.8	49.7	37.8	37.8
10-11 PM	422	0.0	111	0.0	3000	422	0	111	0.36	0	70.2	67.9	49.7	38.4	38.4
11PM-MID	296	0.0	77	0.0	3000	296	0	77	0.36	0	70.2	67.9	49.7	38.8	38.8

----- 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	0.0476
MAIN ROUTE WITH WORKS	0.0461
DIVERSION	0.1327

PIA: Personal Injury Accidents

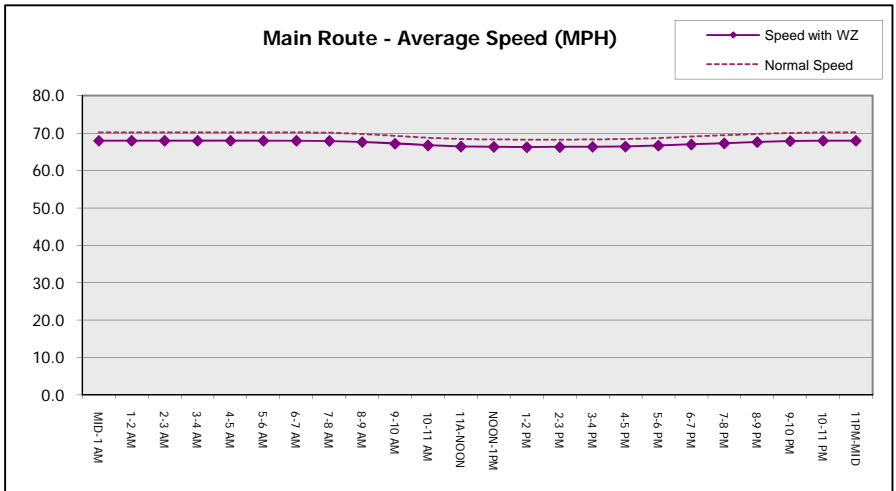
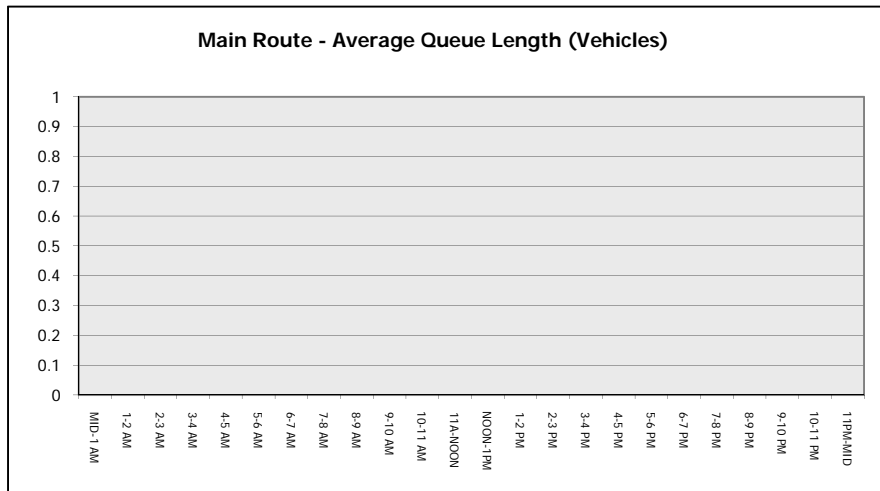
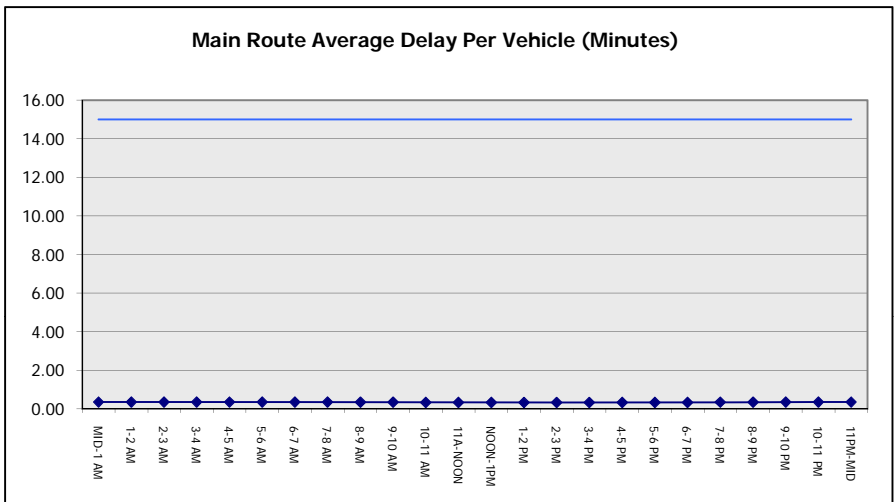
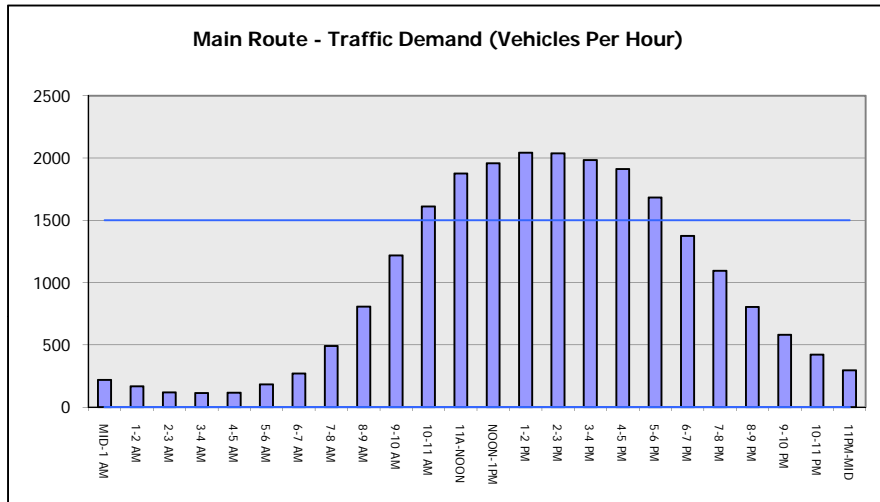
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$2,351
CONGESTED HOURS PER DAY*	0

*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
SUNDAY 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

SUNDAY 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	291	0.0	76	0.0	3000	291	0	76	0.36	0	70.2	67.9	49.7	38.8	38.8
1-2 AM	205	0.0	53	0.0	3000	205	0	53	0.36	0	70.2	67.9	49.7	39.1	39.1
2-3 AM	187	0.0	49	0.0	3000	187	0	49	0.36	0	70.2	67.9	49.7	39.1	39.1
3-4 AM	136	0.0	36	0.0	3000	136	0	36	0.36	0	70.2	67.9	49.7	39.3	39.3
4-5 AM	157	0.0	41	0.0	3000	157	0	41	0.36	0	70.2	67.9	49.7	39.2	39.2
5-6 AM	191	0.0	50	0.0	3000	191	0	50	0.36	0	70.2	67.9	49.7	39.1	39.1
6-7 AM	263	0.0	69	0.0	3000	263	0	69	0.36	0	70.2	67.9	49.7	38.9	38.9
7-8 AM	433	0.0	114	0.0	3000	433	0	114	0.36	0	70.2	67.9	49.7	38.3	38.3
8-9 AM	764	0.0	201	0.0	3000	764	0	201	0.35	0	69.8	67.6	49.7	37.3	37.3
9-10 AM	1409	0.0	370	0.0	3000	1409	0	370	0.34	0	69.0	66.9	49.7	35.1	35.1
10-11 AM	2208	0.0	580	0.0	2999	2208	0	580	0.33	0	68.0	66.1	49.6	32.5	32.5
11A-NOON	2878	0.0	755	0.0	2999	2878	0	755	0.65	0	67.1	63.5	39.3	30.4	30.4
NOON-1PM	3183	0.0	835	0.0	3000	3183	0	835	1.99	73	66.8	56.9	37.3	29.4	29.4
1-2 PM	3459	0.0	908	0.0	3000	3459	0	908	7.67	399	66.4	39.9	37.3	28.4	28.4
2-3 PM	3580	0.0	940	0.0	3000	3580	0	940	17.13	924	66.3	26.8	37.3	28.1	28.1
3-4 PM	3670	0.0	964	0.0	3000	3592	78	1041	28.18	1533	65.8	19.3	37.3	27.8	26.8
4-5 PM	3671	0.0	964	0.0	2999	3279	392	1355+	36.49	1983	65.8	16.0	37.3	27.8	22.9
5-6 PM	3203	0.0	841	0.0	2999	2697	506	1347+	36.44	1972	66.8	16.0	37.3	29.3	23.0
6-7 PM	2542	0.0	666	0.0	2999	2325	217	883	26.95	1455	67.6	20.1	37.3	31.5	28.8
7-8 PM	1980	0.0	519	0.0	2999	1980	0	519	10.91	638	68.2	34.7	42.9	33.3	33.3
8-9 PM	1469	0.0	385	0.0	3000	1469	0	385	0.40	3	68.9	66.5	49.7	35.0	35.0
9-10 PM	952	0.0	250	0.0	3000	952	0	250	0.35	0	69.6	67.4	49.7	36.6	36.6
10-11 PM	596	0.0	156	0.0	3000	596	0	156	0.36	0	70.0	67.8	49.7	37.8	37.8
11PM-MID	377	0.0	99	0.0	3000	377	0	99	0.36	0	70.2	67.9	49.7	38.5	38.5

+ INDICATES DIVERSION FLOW EXCEEDS USER-SPECIFIED WARNING LIMIT

----- 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	0.0770
MAIN ROUTE WITH WORKS	0.0722
DIVERSION	0.2402

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$160,051
CONGESTED HOURS PER DAY*	5

*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
SUNDAY EASTBOUND DIRECTION

