

IH 39/90/94: STH 60 TO USH 51 (DANE AND COLUMBIA COUNTIES) OFF-PEAK DAY 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	OFF	218	0	58	0.00	0	70.2	70.2	70.2	39.0	39.0
1-2 AM	166	0.0	44	0.0	OFF	166	0	44	0.00	0	70.2	70.2	70.2	39.2	39.2
2-3 AM	118	0.0	31	0.0	OFF	118	0	31	0.00	0	70.2	70.2	70.2	39.4	39.4
3-4 AM	114	0.0	30	0.0	OFF	114	0	30	0.00	0	70.2	70.2	70.2	39.4	39.4
4-5 AM	116	0.0	30	0.0	OFF	116	0	30	0.00	0	70.2	70.2	70.2	39.4	39.4
5-6 AM	182	0.0	48	0.0	OFF	182	0	48	0.00	0	70.2	70.2	70.2	39.1	39.1
6-7 AM	271	0.0	71	0.0	OFF	271	0	71	0.00	0	70.2	70.2	70.2	38.9	38.9
7-8 AM	492	0.0	129	0.0	OFF	492	0	129	0.00	0	70.1	70.1	70.1	38.1	38.1
8-9 AM	808	0.0	212	0.0	OFF	808	0	212	0.00	0	69.7	69.7	69.7	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	OFF	1095	0	288	0.00	0	69.4	69.4	69.4	36.1	36.1
8-9 PM	804	0.0	211	0.0	OFF	804	0	211	0.00	0	69.7	69.7	69.7	37.1	37.1
9-10 PM	581	0.0	153	0.0	OFF	581	0	153	0.00	0	70.0	70.0	70.0	37.8	37.8
10-11 PM	422	0.0	111	0.0	OFF	422	0	111	0.00	0	70.2	70.2	70.2	38.4	38.4
11PM-MID	296	0.0	77	0.0	OFF	296	0	77	0.00	0	70.2	70.2	70.2	38.8	38.8

"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	0.0476
MAIN ROUTE WITH WORKS	0.0465
DIVERSION	0.1327

PIA: Personal Injury Accidents

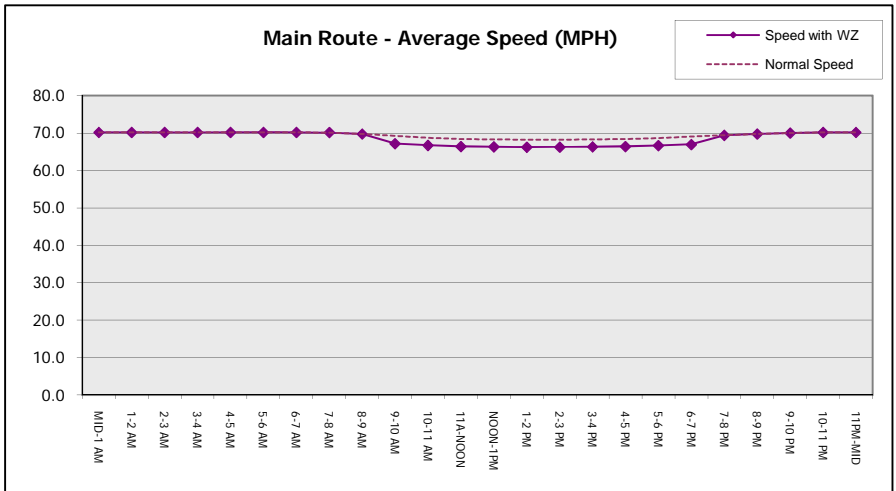
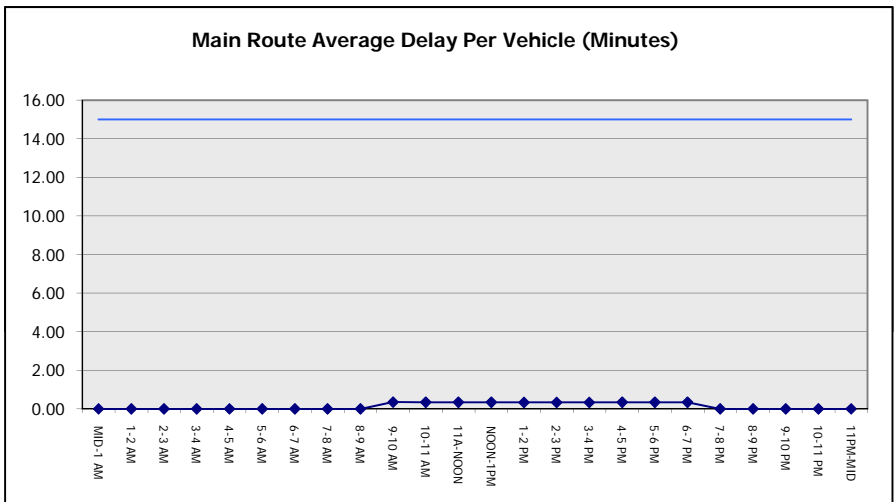
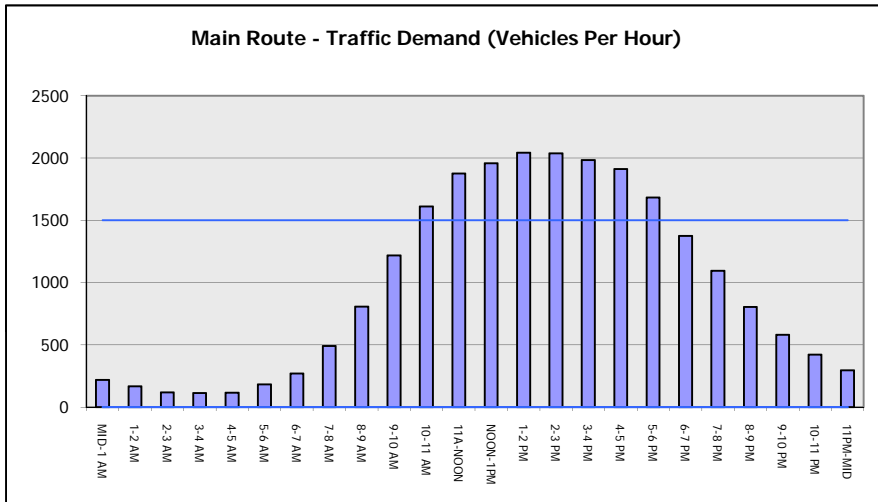
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$1,671
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

IH 39/90/94: STH 60 TO USH 51 (DANE AND COLUMBIA COUNTIES)
OFF-PEAK DAY 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) OFF-PEAK DAY 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		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	291	0.0	76	0.0	OFF	291	0	76	0.00	0	70.2	70.2	70.2	38.8	38.8
1-2 AM	205	0.0	53	0.0	OFF	205	0	53	0.00	0	70.2	70.2	70.2	39.1	39.1
2-3 AM	187	0.0	49	0.0	OFF	187	0	49	0.00	0	70.2	70.2	70.2	39.1	39.1
3-4 AM	136	0.0	36	0.0	OFF	136	0	36	0.00	0	70.2	70.2	70.2	39.3	39.3
4-5 AM	157	0.0	41	0.0	OFF	157	0	41	0.00	0	70.2	70.2	70.2	39.2	39.2
5-6 AM	191	0.0	50	0.0	OFF	191	0	50	0.00	0	70.2	70.2	70.2	39.1	39.1
6-7 AM	263	0.0	69	0.0	OFF	263	0	69	0.00	0	70.2	70.2	70.2	38.9	38.9
7-8 AM	433	0.0	114	0.0	OFF	433	0	114	0.00	0	70.2	70.2	70.2	38.3	38.3
8-9 AM	764	0.0	201	0.0	OFF	764	0	201	0.00	0	69.8	69.8	69.8	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	OFF	1980	0	519	1.78	154	68.2	58.9	58.9	33.3	33.3
8-9 PM	1469	0.0	385	0.0	OFF	1469	0	385	0.00	0	68.9	68.9	68.9	35.0	35.0
9-10 PM	952	0.0	250	0.0	OFF	952	0	250	0.00	0	69.6	69.6	69.6	36.6	36.6
10-11 PM	596	0.0	156	0.0	OFF	596	0	156	0.00	0	70.0	70.0	70.0	37.8	37.8
11PM-MID	377	0.0	99	0.0	OFF	377	0	99	0.00	0	70.2	70.2	70.2	38.5	38.5

"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	0.0770
MAIN ROUTE WITH WORKS	0.0727
DIVERSION	0.2402

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$146,508
CONGESTED HOURS PER DAY*	5

*Delays Exceeding 15 Minutes

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OFF-PEAK DAY CLOSURE
DIVERSION ROUTE: USH 51 - STH 60

OCTOBER
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 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY EASTBOUND DIRECTION

