

**IH 39/90/94: STH 60 TO USH 51 (DANE AND COLUMBIA COUNTIES)
NIGHTTIME 2 LANE CLOSURE
DIVERSION ROUTE: USH 51 - STH 60**

MAY
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	380	0.0	99	0.0	1500	380	0	99	0.52	0	70.2	67.0	44.0	38.5	38.5
1-2 AM	289	0.0	76	0.0	1500	289	0	76	0.51	0	70.2	67.1	44.3	38.8	38.8
2-3 AM	272	0.0	71	0.0	1500	272	0	71	0.51	0	70.2	67.1	44.4	38.9	38.9
3-4 AM	252	0.0	66	0.0	1500	252	0	66	0.50	0	70.2	67.1	44.5	38.9	38.9
4-5 AM	324	0.0	85	0.0	1500	324	0	85	0.51	0	70.2	67.0	44.2	38.7	38.7
5-6 AM	524	0.0	137	0.0	OFF	524	0	137	0.00	0	70.1	70.1	70.1	38.1	38.1
6-7 AM	885	0.0	232	0.0	OFF	885	0	232	0.00	0	69.6	69.6	69.6	36.9	36.9
7-8 AM	1372	0.0	360	0.0	OFF	1372	0	360	0.00	0	69.1	69.1	69.1	35.3	35.3
8-9 AM	1575	0.0	413	0.0	OFF	1575	0	413	0.00	0	68.8	68.8	68.8	34.6	34.6
9-10 AM	1807	0.0	474	0.0	OFF	1807	0	474	0.00	0	68.5	68.5	68.5	33.8	33.8
10-11 AM	1991	0.0	522	0.0	OFF	1991	0	522	0.00	0	68.2	68.2	68.2	33.3	33.3
11A-NOON	2150	0.0	564	0.0	OFF	2150	0	564	0.00	0	68.1	68.1	68.1	32.7	32.7
NOON-1PM	2214	0.0	581	0.0	OFF	2214	0	581	0.00	0	68.0	68.0	68.0	32.5	32.5
1-2 PM	2516	0.0	660	0.0	OFF	2516	0	660	0.00	0	67.6	67.6	67.6	31.5	31.5
2-3 PM	2851	0.0	748	0.0	OFF	2851	0	748	0.00	0	67.2	67.2	67.2	30.4	30.4
3-4 PM	3073	0.0	807	0.0	OFF	3073	0	807	0.00	0	66.9	66.9	66.9	29.7	29.7
4-5 PM	3308	0.0	869	0.0	OFF	3308	0	869	0.00	0	66.6	66.6	66.6	28.9	28.9
5-6 PM	3357	0.0	881	0.0	OFF	3357	0	881	0.00	0	66.6	66.6	66.6	28.8	28.8
6-7 PM	3123	0.0	819	0.0	OFF	3123	0	819	0.00	0	66.9	66.9	66.9	29.6	29.6
7-8 PM	2657	0.0	697	0.0	1499	2429	228	925	19.93	560	67.4	24.5	30.8	31.1	28.3
8-9 PM	2000	0.0	525	0.0	1500	1306	694	1219+	33.59	855	68.2	17.1	30.8	33.2	24.6
9-10 PM	1546	0.0	406	0.0	1499	1267	280	686	24.17	609	68.8	21.7	30.8	34.7	31.2
10-11 PM	1104	0.0	290	0.0	1499	1104	0	290	12.72	328	69.4	32.3	33.2	36.1	36.1
11PM-MID	758	0.0	199	0.0	1500	758	0	199	0.84	8	69.8	64.8	42.5	37.3	37.3

"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 (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	0.0821
MAIN ROUTE WITH WORKS	0.0791
DIVERSION	0.2547

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$46,266
CONGESTED HOURS PER DAY*	3

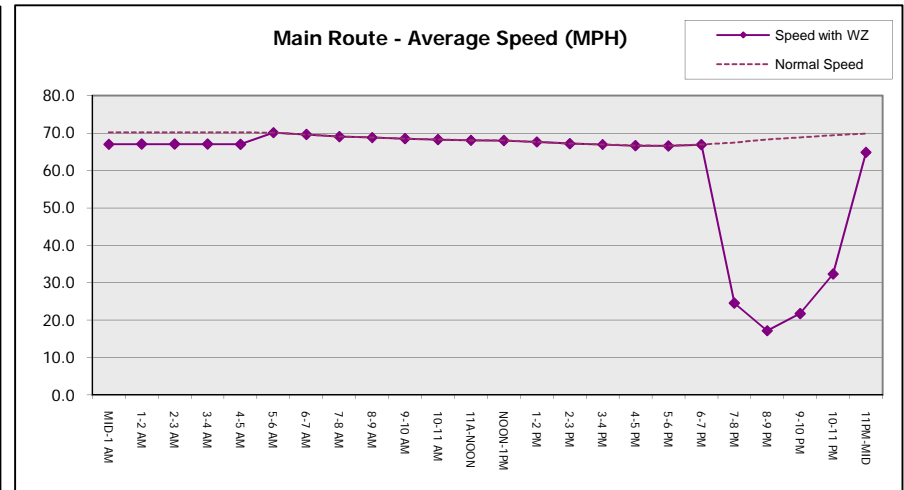
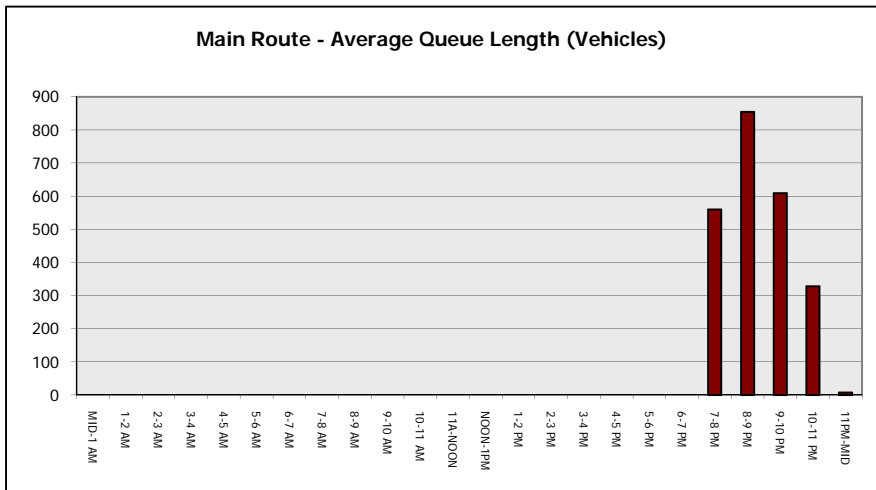
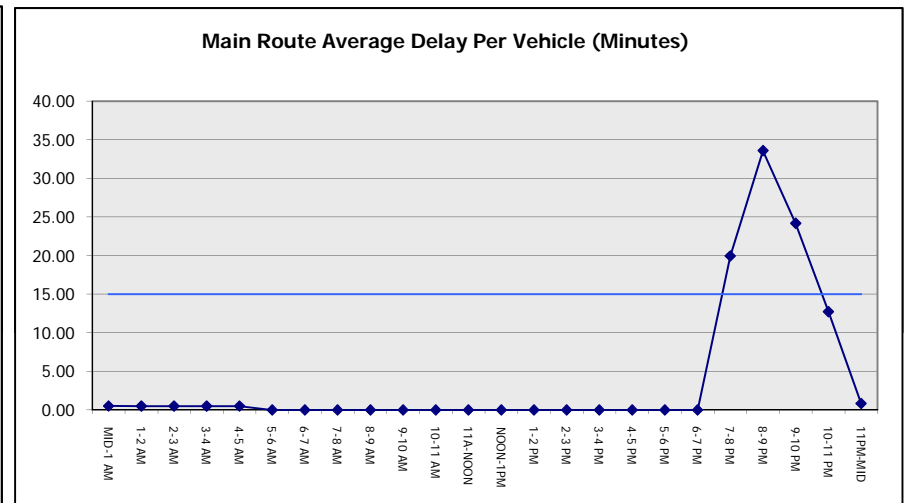
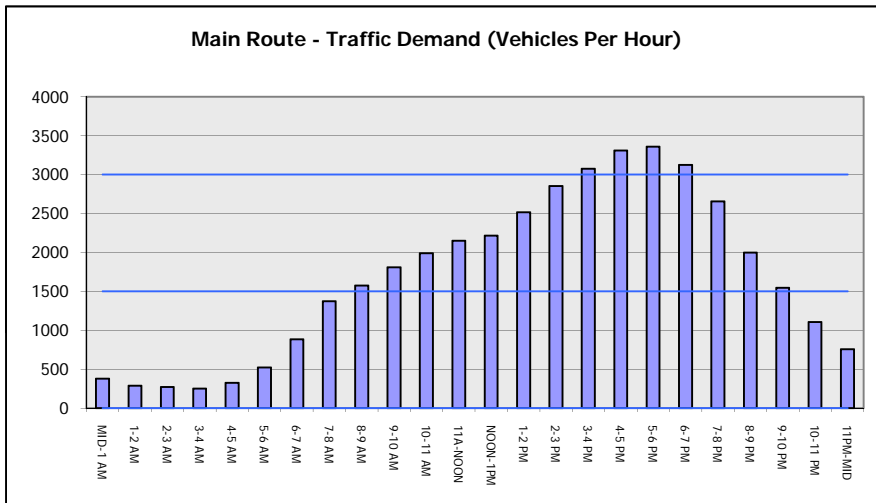
*Delays Exceeding 15 Minutes

IH 39/90/94: STH 60 TO USH 51 (DANE AND COLUMBIA COUNTIES)
NIGHTTIME 2 LANE CLOSURE
DIVERSION ROUTE: USH 51 - STH 60

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT

FRIDAY WESTBOUND DIRECTION



IH 39/90/94: STH 60 TO USH 51 (DANE AND COLUMBIA COUNTIES) NIGHTTIME 2 LANE CLOSURE DIVERSION ROUTE: USH 51 - STH 60	MAY Analyzed for 2009 Construction Season
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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	296	0.0	77	0.0	1500	296	0	77	0.51	0	70.2	67.1	44.3	38.8	38.8
1-2 AM	249	0.0	65	0.0	1500	249	0	65	0.50	0	70.2	67.1	44.5	38.9	38.9
2-3 AM	248	0.0	65	0.0	1500	248	0	65	0.50	0	70.2	67.1	44.5	38.9	38.9
3-4 AM	270	0.0	71	0.0	1500	270	0	71	0.51	0	70.2	67.1	44.4	38.9	38.9
4-5 AM	346	0.0	91	0.0	1500	346	0	91	0.51	0	70.2	67.0	44.1	38.6	38.6
5-6 AM	624	0.0	163	0.0	OFF	624	0	163	0.00	0	70.0	70.0	70.0	37.7	37.7
6-7 AM	965	0.0	253	0.0	OFF	965	0	253	0.00	0	69.6	69.6	69.6	36.6	36.6
7-8 AM	1069	0.0	280	0.0	OFF	1069	0	280	0.00	0	69.4	69.4	69.4	36.3	36.3
8-9 AM	1064	0.0	279	0.0	OFF	1064	0	279	0.00	0	69.4	69.4	69.4	36.3	36.3
9-10 AM	1207	0.0	317	0.0	OFF	1207	0	317	0.00	0	69.2	69.2	69.2	35.8	35.8
10-11 AM	1416	0.0	371	0.0	OFF	1416	0	371	0.00	0	69.0	69.0	69.0	35.1	35.1
11A-NOON	1509	0.0	396	0.0	OFF	1509	0	396	0.00	0	68.9	68.9	68.9	34.8	34.8
NOON-1PM	1629	0.0	428	0.0	OFF	1629	0	428	0.00	0	68.7	68.7	68.7	34.4	34.4
1-2 PM	1759	0.0	461	0.0	OFF	1759	0	461	0.00	0	68.6	68.6	68.6	34.0	34.0
2-3 PM	2011	0.0	528	0.0	OFF	2011	0	528	0.00	0	68.2	68.2	68.2	33.2	33.2
3-4 PM	2002	0.0	525	0.0	OFF	2002	0	525	0.00	0	68.2	68.2	68.2	33.2	33.2
4-5 PM	2041	0.0	536	0.0	OFF	2041	0	536	0.00	0	68.2	68.2	68.2	33.1	33.1
5-6 PM	1924	0.0	505	0.0	OFF	1924	0	505	0.00	0	68.4	68.4	68.4	33.5	33.5
6-7 PM	1612	0.0	423	0.0	OFF	1612	0	423	0.00	0	68.7	68.7	68.7	34.5	34.5
7-8 PM	1418	0.0	373	0.0	1500	1418	0	373	0.99	0	69.0	63.3	32.5	35.1	35.1
8-9 PM	1207	0.0	317	0.0	1500	1207	0	317	0.72	0	69.2	65.0	38.2	35.8	35.8
9-10 PM	1060	0.0	278	0.0	1500	1060	0	278	0.59	0	69.4	65.9	41.5	36.3	36.3
10-11 PM	785	0.0	206	0.0	1500	785	0	206	0.56	0	69.7	66.4	42.4	37.2	37.2
11PM-MID	479	0.0	126	0.0	1500	479	0	126	0.53	0	70.1	66.9	43.6	38.2	38.2

"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	0.0554
MAIN ROUTE WITH WORKS	0.0550
DIVERSION	0.1543

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$1,152
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

IH 39/90/94: STH 60 TO USH 51 (DANE AND COLUMBIA COUNTIES)
NIGHTTIME 2 LANE CLOSURE
DIVERSION ROUTE: USH 51 - STH 60

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 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY EASTBOUND DIRECTION

