

**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**

**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	OFF	380	0	99	0.00	0	70.2	70.2	70.2	38.5	38.5
1-2 AM	289	0.0	76	0.0	OFF	289	0	76	0.00	0	70.2	70.2	70.2	38.8	38.8
2-3 AM	272	0.0	71	0.0	OFF	272	0	71	0.00	0	70.2	70.2	70.2	38.9	38.9
3-4 AM	252	0.0	66	0.0	OFF	252	0	66	0.00	0	70.2	70.2	70.2	38.9	38.9
4-5 AM	324	0.0	85	0.0	OFF	324	0	85	0.00	0	70.2	70.2	70.2	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	1499	1807	0	474	5.91	140	68.5	44.8	30.8	33.8	33.8
10-11 AM	1991	0.0	522	0.0	1500	1889	101	624	20.35	521	68.2	24.3	30.8	33.3	32.0
11A-NOON	2150	0.0	564	0.0	1499	1640	510	1074	30.52	774	68.1	18.4	30.8	32.7	26.4
NOON-1PM	2214	0.0	581	0.0	1499	1564	650	1230+	33.81	860	68.0	17.0	30.8	32.5	24.5
1-2 PM	2516	0.0	660	0.0	1499	1729	787	1447+	39.33	1008	67.6	15.2	30.8	31.5	21.8
2-3 PM	2851	0.0	748	0.0	1499	1537	1314	2062+	47.45	1220	67.2	13.0	30.8	30.4	18.8
3-4 PM	3073	0.0	807	0.0	1499	1501	1572	2379+	47.75	1229	66.9	13.0	30.8	29.7	18.6
4-5 PM	3308	0.0	869	0.0	OFF	3308	0	869	3.75	253	66.6	50.3	50.3	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	OFF	2657	0	697	0.00	0	67.4	67.4	67.4	31.1	31.1
8-9 PM	2000	0.0	525	0.0	OFF	2000	0	525	0.00	0	68.2	68.2	68.2	33.2	33.2
9-10 PM	1546	0.0	406	0.0	OFF	1546	0	406	0.00	0	68.8	68.8	68.8	34.7	34.7
10-11 PM	1104	0.0	290	0.0	OFF	1104	0	290	0.00	0	69.4	69.4	69.4	36.1	36.1
11PM-MID	758	0.0	199	0.0	OFF	758	0	199	0.00	0	69.8	69.8	69.8	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	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	0.0821
MAIN ROUTE WITH WORKS	0.0713
DIVERSION	0.3354

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$138,117
CONGESTED HOURS PER DAY*	6

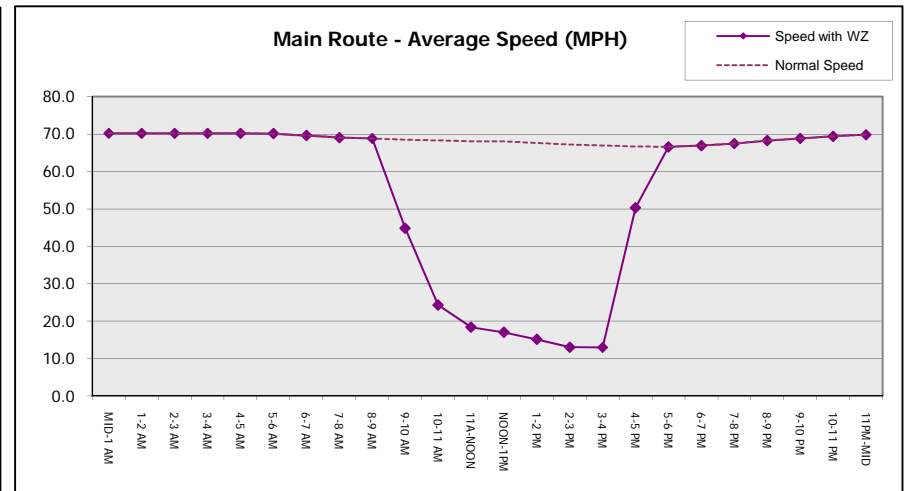
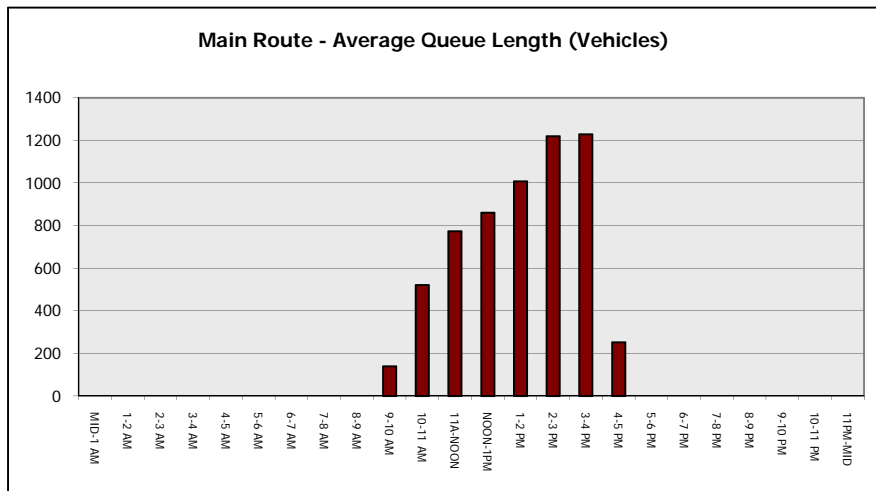
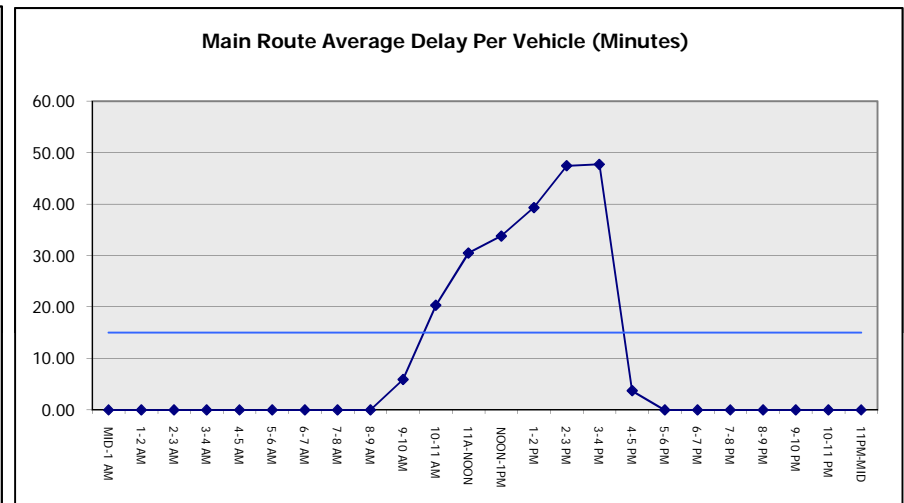
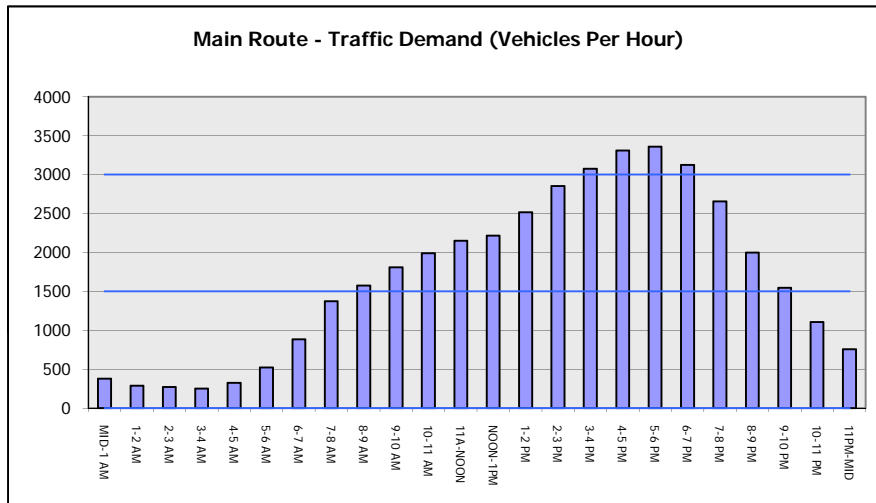
\*Delays Exceeding 15 Minutes

**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**

**MAY**  
 Analyzed for 2009  
 Construction Season

**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**

**FRIDAY WESTBOUND DIRECTION**



<b>IH 39/90/94: STH 60 TO USH 51 (DANE AND COLUMBIA COUNTIES)</b> <b>OFF-PEAK DAY 2 LANE CLOSURE</b> <b>DIVERSION ROUTE: USH 51 - STH 60</b>	<b>MAY</b>  Analyzed for 2009 Construction Season
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<b>SUMMARY OF TRAFFIC MODEL OUTPUT</b>	
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	OFF	296	0	77	0.00	0	70.2	70.2	70.2	38.8	38.8
1-2 AM	249	0.0	65	0.0	OFF	249	0	65	0.00	0	70.2	70.2	70.2	38.9	38.9
2-3 AM	248	0.0	65	0.0	OFF	248	0	65	0.00	0	70.2	70.2	70.2	38.9	38.9
3-4 AM	270	0.0	71	0.0	OFF	270	0	71	0.00	0	70.2	70.2	70.2	38.9	38.9
4-5 AM	346	0.0	91	0.0	OFF	346	0	91	0.00	0	70.2	70.2	70.2	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	1500	1207	0	317	0.72	0	69.2	65.0	38.2	35.8	35.8
10-11 AM	1416	0.0	371	0.0	1499	1416	0	371	0.99	0	69.0	63.3	32.6	35.1	35.1
11A-NOON	1509	0.0	396	0.0	1499	1509	0	396	1.25	4	68.9	61.9	31.0	34.8	34.8
NOON-1PM	1629	0.0	428	0.0	1500	1629	0	428	3.82	74	68.7	51.2	30.8	34.4	34.4
1-2 PM	1759	0.0	461	0.0	1500	1759	0	461	10.85	264	68.6	34.8	30.8	34.0	34.0
2-3 PM	2011	0.0	528	0.0	1500	1820	191	720	23.60	600	68.2	22.0	30.8	33.2	30.8
3-4 PM	2002	0.0	525	0.0	1499	1522	480	1005	29.22	738	68.2	18.9	30.8	33.2	27.3
4-5 PM	2041	0.0	536	0.0	OFF	2041	0	536	0.86	70	68.2	63.3	63.3	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	OFF	1418	0	373	0.00	0	69.0	69.0	69.0	35.1	35.1
8-9 PM	1207	0.0	317	0.0	OFF	1207	0	317	0.00	0	69.2	69.2	69.2	35.8	35.8
9-10 PM	1060	0.0	278	0.0	OFF	1060	0	278	0.00	0	69.4	69.4	69.4	36.3	36.3
10-11 PM	785	0.0	206	0.0	OFF	785	0	206	0.00	0	69.7	69.7	69.7	37.2	37.2
11PM-MID	479	0.0	126	0.0	OFF	479	0	126	0.00	0	70.1	70.1	70.1	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	0.0533
DIVERSION	0.1688

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$32,385
CONGESTED HOURS PER DAY*	2

\*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**

**MAY**  
 Analyzed for 2009  
 Construction Season

**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**

**FRIDAY EASTBOUND DIRECTION**

