

**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
SATURDAY 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	483	0.0	127	0.0	1500	483	0	127	0.53	0	70.1	66.9	43.6	38.2	38.2
1-2 AM	333	0.0	88	0.0	1500	333	0	88	0.51	0	70.2	67.0	44.2	38.6	38.6
2-3 AM	245	0.0	64	0.0	1500	245	0	64	0.50	0	70.2	67.1	44.5	38.9	38.9
3-4 AM	242	0.0	64	0.0	1500	242	0	64	0.50	0	70.2	67.1	44.5	38.9	38.9
4-5 AM	267	0.0	70	0.0	1500	267	0	70	0.51	0	70.2	67.1	44.4	38.9	38.9
5-6 AM	428	0.0	113	0.0	1500	428	0	113	0.52	0	70.2	66.9	43.8	38.3	38.3
6-7 AM	774	0.0	203	0.0	1500	774	0	203	0.56	0	69.8	66.4	42.5	37.2	37.2
7-8 AM	1325	0.0	347	0.0	1499	1325	0	347	0.87	0	69.1	64.1	35.1	35.5	35.5
8-9 AM	1824	0.0	478	0.0	OFF	1824	0	478	0.00	0	68.5	68.5	68.5	33.8	33.8
9-10 AM	2186	0.0	573	0.0	OFF	2186	0	573	0.00	0	68.0	68.0	68.0	32.6	32.6
10-11 AM	2335	0.0	613	0.0	OFF	2335	0	613	0.00	0	67.8	67.8	67.8	32.1	32.1
11A-NOON	2291	0.0	602	0.0	OFF	2291	0	602	0.00	0	67.9	67.9	67.9	32.3	32.3
NOON-1PM	2131	0.0	559	0.0	OFF	2131	0	559	0.00	0	68.1	68.1	68.1	32.8	32.8
1-2 PM	2002	0.0	525	0.0	OFF	2002	0	525	0.00	0	68.2	68.2	68.2	33.2	33.2
2-3 PM	1902	0.0	499	0.0	OFF	1902	0	499	0.00	0	68.4	68.4	68.4	33.5	33.5
3-4 PM	1677	0.0	441	0.0	OFF	1677	0	441	0.00	0	68.6	68.6	68.6	34.3	34.3
4-5 PM	1535	0.0	403	0.0	OFF	1535	0	403	0.00	0	68.8	68.8	68.8	34.7	34.7
5-6 PM	1377	0.0	361	0.0	OFF	1377	0	361	0.00	0	69.0	69.0	69.0	35.3	35.3
6-7 PM	1145	0.0	300	0.0	1500	1145	0	300	0.64	0	69.3	65.6	40.3	36.0	36.0
7-8 PM	947	0.0	249	0.0	1500	947	0	249	0.58	0	69.6	66.1	41.9	36.6	36.6
8-9 PM	733	0.0	193	0.0	1500	733	0	193	0.56	0	69.8	66.4	42.7	37.3	37.3
9-10 PM	621	0.0	163	0.0	1500	621	0	163	0.55	0	70.0	66.6	43.0	37.7	37.7
10-11 PM	503	0.0	132	0.0	1500	503	0	132	0.53	0	70.1	66.8	43.5	38.1	38.1
11PM-MID	339	0.0	89	0.0	1500	339	0	89	0.51	0	70.2	67.0	44.2	38.6	38.6

"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	0.0563
MAIN ROUTE WITH WORKS	0.0558
DIVERSION	0.1568

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$1,173
CONGESTED HOURS PER DAY*	0

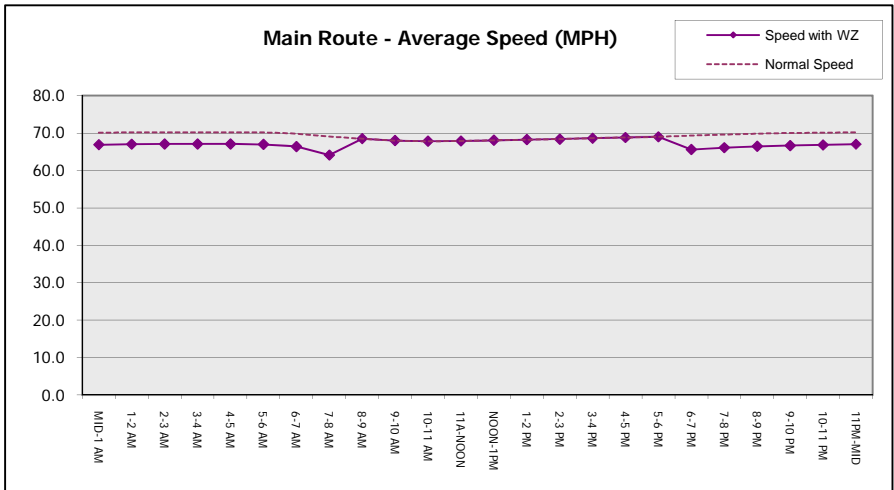
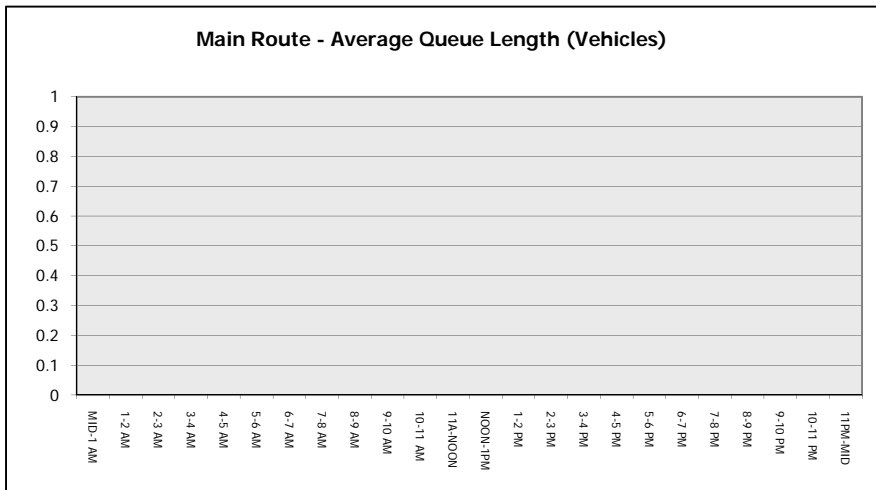
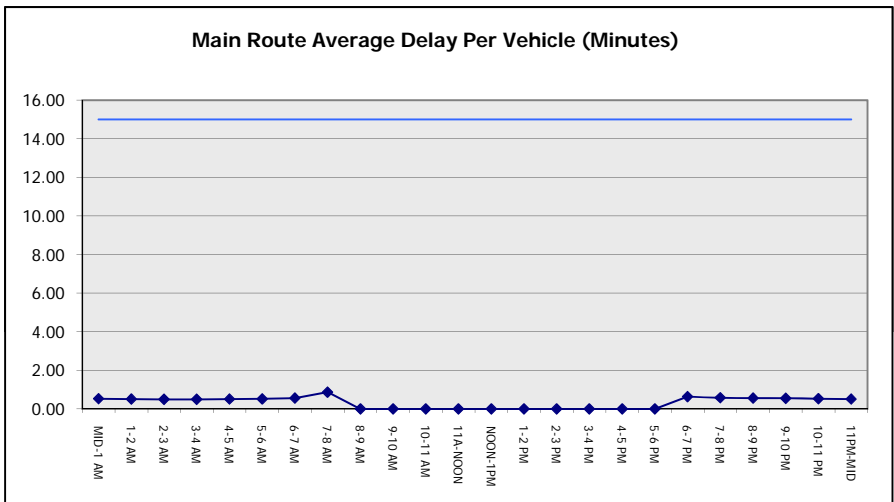
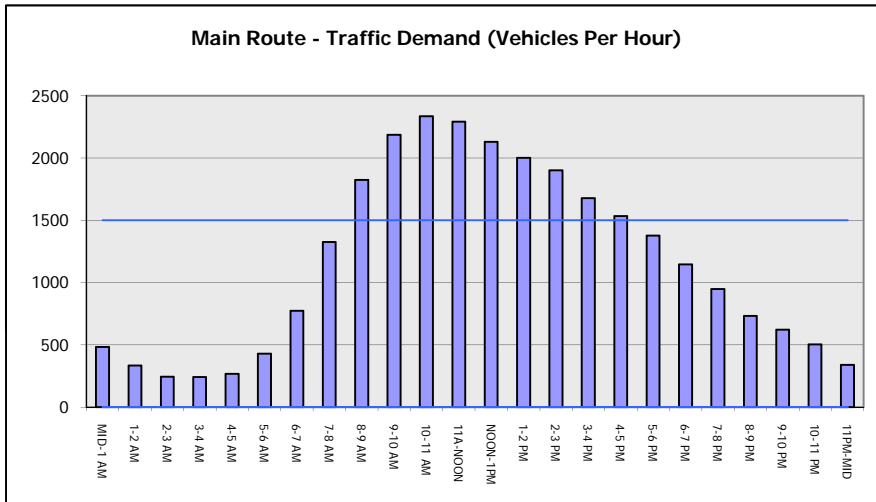
*Delays Exceeding 15 Minutes

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

MAY
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 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT

SATURDAY 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

SUMMARY OF TRAFFIC MODEL OUTPUT	
SATURDAY	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	334	0.0	88	0.0	1500	334	0	88	0.51	0	70.2	67.0	44.2	38.6	38.6
1-2 AM	248	0.0	65	0.0	1500	248	0	65	0.50	0	70.2	67.1	44.5	38.9	38.9
2-3 AM	245	0.0	64	0.0	1500	245	0	64	0.50	0	70.2	67.1	44.5	38.9	38.9
3-4 AM	254	0.0	67	0.0	1500	254	0	67	0.50	0	70.2	67.1	44.5	38.9	38.9
4-5 AM	237	0.0	63	0.0	1500	237	0	63	0.50	0	70.2	67.1	44.5	38.9	38.9
5-6 AM	293	0.0	77	0.0	1500	293	0	77	0.51	0	70.2	67.1	44.3	38.8	38.8
6-7 AM	441	0.0	116	0.0	1500	441	0	116	0.53	0	70.2	66.9	43.7	38.3	38.3
7-8 AM	658	0.0	173	0.0	1500	658	0	173	0.55	0	69.9	66.6	42.9	37.6	37.6
8-9 AM	959	0.0	252	0.0	OFF	959	0	252	0.00	0	69.6	69.6	69.6	36.6	36.6
9-10 AM	1258	0.0	331	0.0	OFF	1258	0	331	0.00	0	69.2	69.2	69.2	35.6	35.6
10-11 AM	1560	0.0	409	0.0	OFF	1560	0	409	0.00	0	68.8	68.8	68.8	34.7	34.7
11A-NOON	1671	0.0	438	0.0	OFF	1671	0	438	0.00	0	68.7	68.7	68.7	34.3	34.3
NOON-1PM	1648	0.0	432	0.0	OFF	1648	0	432	0.00	0	68.7	68.7	68.7	34.4	34.4
1-2 PM	1665	0.0	437	0.0	OFF	1665	0	437	0.00	0	68.7	68.7	68.7	34.3	34.3
2-3 PM	1632	0.0	428	0.0	OFF	1632	0	428	0.00	0	68.7	68.7	68.7	34.4	34.4
3-4 PM	1600	0.0	420	0.0	OFF	1600	0	420	0.00	0	68.7	68.7	68.7	34.5	34.5
4-5 PM	1506	0.0	396	0.0	OFF	1506	0	396	0.00	0	68.9	68.9	68.9	34.8	34.8
5-6 PM	1382	0.0	363	0.0	OFF	1382	0	363	0.00	0	69.0	69.0	69.0	35.2	35.2
6-7 PM	1196	0.0	314	0.0	1500	1196	0	314	0.70	0	69.2	65.1	38.6	35.8	35.8
7-8 PM	1063	0.0	279	0.0	1500	1063	0	279	0.59	0	69.4	65.9	41.5	36.3	36.3
8-9 PM	951	0.0	250	0.0	1500	951	0	250	0.58	0	69.6	66.1	41.9	36.6	36.6
9-10 PM	796	0.0	209	0.0	1500	796	0	209	0.56	0	69.7	66.3	42.4	37.1	37.1
10-11 PM	662	0.0	174	0.0	1500	662	0	174	0.55	0	69.9	66.6	42.9	37.6	37.6
11PM-MID	432	0.0	113	0.0	1500	432	0	113	0.53	0	70.2	66.9	43.8	38.3	38.3

"OFF" INDICATES NO ROAD WORK (ALL LANES OPEN TO TRAFFIC)

----- 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	0.0462
MAIN ROUTE WITH WORKS	0.0457
DIVERSION	0.1288

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$1,029
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

MAY
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT

SATURDAY EASTBOUND DIRECTION

