

**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
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	221	0.0	58	0.0	1500	221	0	58	0.50	0	70.2	67.1	44.6	39.0	39.0
1-2 AM	146	0.0	39	0.0	1500	146	0	39	0.49	0	70.2	67.2	44.9	39.2	39.2
2-3 AM	99	0.0	26	0.0	1500	99	0	26	0.48	0	70.2	67.2	45.1	39.4	39.4
3-4 AM	98	0.0	26	0.0	1500	98	0	26	0.48	0	70.2	67.2	45.1	39.4	39.4
4-5 AM	109	0.0	28	0.0	1500	109	0	28	0.49	0	70.2	67.2	45.1	39.4	39.4
5-6 AM	157	0.0	41	0.0	1500	157	0	41	0.49	0	70.2	67.1	44.8	39.2	39.2
6-7 AM	279	0.0	73	0.0	1500	279	0	73	0.51	0	70.2	67.1	44.3	38.8	38.8
7-8 AM	527	0.0	138	0.0	1500	527	0	138	0.54	0	70.0	66.8	43.4	38.0	38.0
8-9 AM	859	0.0	225	0.0	1500	859	0	225	0.57	0	69.7	66.2	42.2	36.9	36.9
9-10 AM	1285	0.0	337	0.0	OFF	1285	0	337	0.00	0	69.1	69.1	69.1	35.6	35.6
10-11 AM	1685	0.0	443	0.0	OFF	1685	0	443	0.00	0	68.6	68.6	68.6	34.2	34.2
11A-NOON	1893	0.0	497	0.0	OFF	1893	0	497	0.00	0	68.4	68.4	68.4	33.6	33.6
NOON-1PM	1912	0.0	502	0.0	OFF	1912	0	502	0.00	0	68.4	68.4	68.4	33.5	33.5
1-2 PM	1931	0.0	506	0.0	OFF	1931	0	506	0.00	0	68.3	68.3	68.3	33.5	33.5
2-3 PM	1972	0.0	518	0.0	OFF	1972	0	518	0.00	0	68.3	68.3	68.3	33.3	33.3
3-4 PM	1908	0.0	501	0.0	OFF	1908	0	501	0.00	0	68.4	68.4	68.4	33.5	33.5
4-5 PM	1826	0.0	479	0.0	OFF	1826	0	479	0.00	0	68.4	68.4	68.4	33.8	33.8
5-6 PM	1798	0.0	472	0.0	OFF	1798	0	472	0.00	0	68.5	68.5	68.5	33.9	33.9
6-7 PM	1576	0.0	413	0.0	OFF	1576	0	413	0.00	0	68.7	68.7	68.7	34.6	34.6
7-8 PM	1219	0.0	320	0.0	1500	1219	0	320	0.73	0	69.2	65.0	37.9	35.8	35.8
8-9 PM	902	0.0	236	0.0	1500	902	0	236	0.58	0	69.6	66.1	42.0	36.8	36.8
9-10 PM	641	0.0	168	0.0	1500	641	0	168	0.55	0	69.9	66.6	43.0	37.6	37.6
10-11 PM	425	0.0	112	0.0	1500	425	0	112	0.52	0	70.2	66.9	43.8	38.4	38.4
11PM-MID	322	0.0	85	0.0	1500	322	0	85	0.51	0	70.2	67.0	44.2	38.7	38.7

"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	0.0485
MAIN ROUTE WITH WORKS	0.0481
DIVERSION	0.1350

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$911
CONGESTED HOURS PER DAY*	0

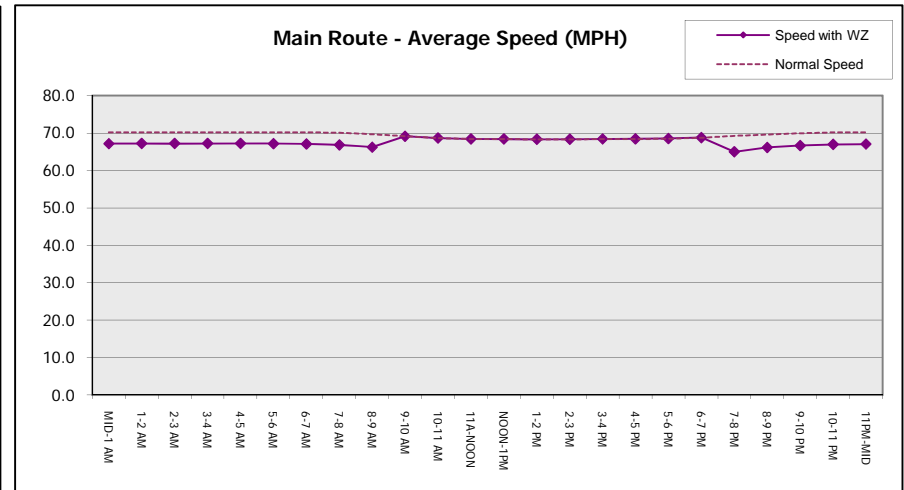
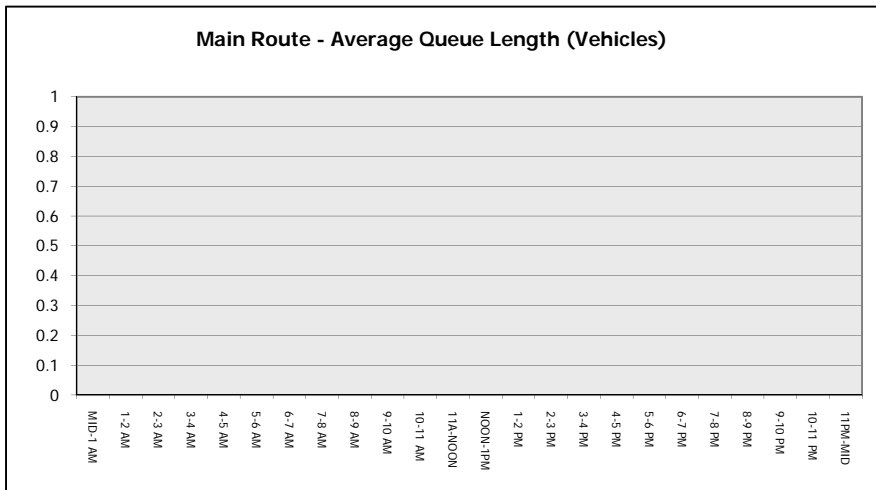
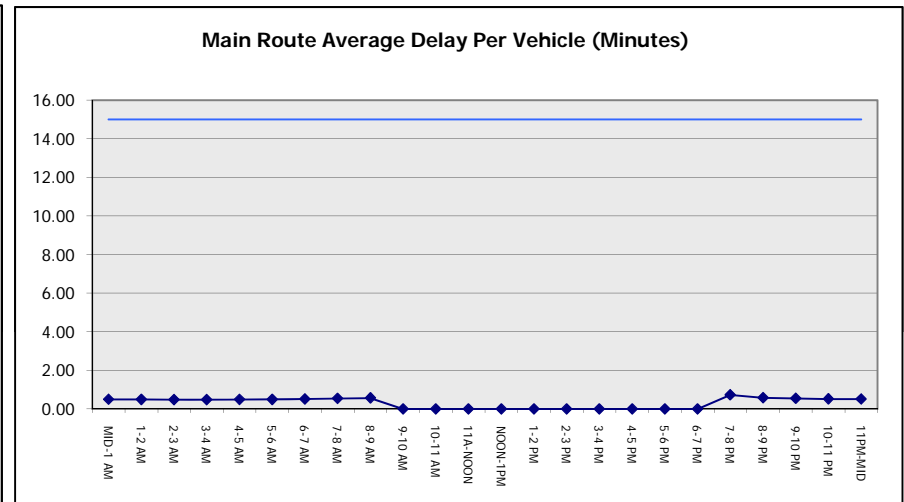
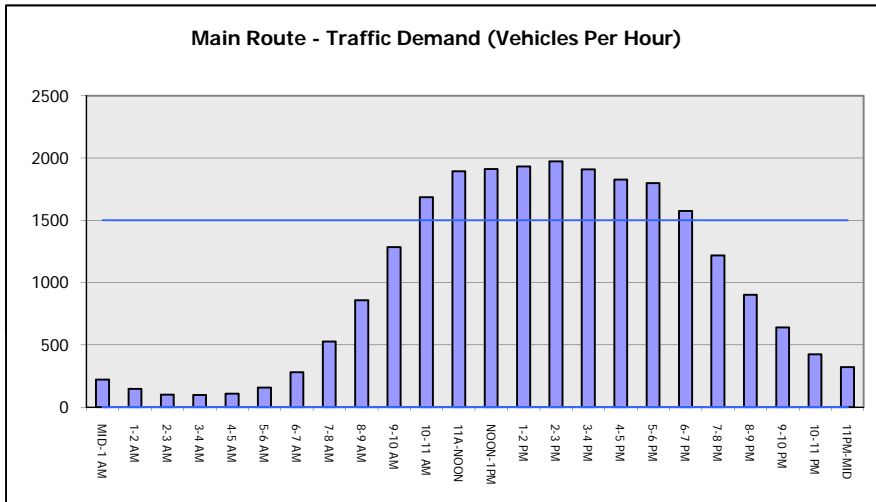
*Delays Exceeding 15 Minutes

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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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT

SUNDAY 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	
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	276	0.0	72	0.0	1500	276	0	72	0.51	0	70.2	67.1	44.4	38.9	38.9
1-2 AM	203	0.0	53	0.0	1500	203	0	53	0.50	0	70.2	67.1	44.6	39.1	39.1
2-3 AM	189	0.0	49	0.0	1500	189	0	49	0.50	0	70.2	67.1	44.7	39.1	39.1
3-4 AM	149	0.0	39	0.0	1500	149	0	39	0.49	0	70.2	67.2	44.9	39.2	39.2
4-5 AM	140	0.0	37	0.0	1500	140	0	37	0.49	0	70.2	67.2	44.9	39.3	39.3
5-6 AM	195	0.0	51	0.0	1500	195	0	51	0.50	0	70.2	67.1	44.7	39.1	39.1
6-7 AM	270	0.0	71	0.0	1500	270	0	71	0.51	0	70.2	67.1	44.4	38.9	38.9
7-8 AM	496	0.0	130	0.0	1500	496	0	130	0.53	0	70.1	66.9	43.5	38.1	38.1
8-9 AM	891	0.0	233	0.0	1500	891	0	233	0.58	0	69.6	66.2	42.0	36.8	36.8
9-10 AM	1446	0.0	380	0.0	OFF	1446	0	380	0.00	0	68.9	68.9	68.9	35.0	35.0
10-11 AM	2057	0.0	540	0.0	OFF	2057	0	540	0.00	0	68.2	68.2	68.2	33.0	33.0
11A-NOON	2485	0.0	652	0.0	OFF	2485	0	652	0.00	0	67.6	67.6	67.6	31.7	31.7
NOON-1PM	2595	0.0	681	0.0	OFF	2595	0	681	0.00	0	67.5	67.5	67.5	31.3	31.3
1-2 PM	2615	0.0	686	0.0	OFF	2615	0	686	0.00	0	67.5	67.5	67.5	31.2	31.2
2-3 PM	2862	0.0	751	0.0	OFF	2862	0	751	0.00	0	67.2	67.2	67.2	30.4	30.4
3-4 PM	2996	0.0	786	0.0	OFF	2996	0	786	0.00	0	67.0	67.0	67.0	30.0	30.0
4-5 PM	2884	0.0	757	0.0	OFF	2884	0	757	0.00	0	67.1	67.1	67.1	30.4	30.4
5-6 PM	2623	0.0	689	0.0	OFF	2623	0	689	0.00	0	67.5	67.5	67.5	31.2	31.2
6-7 PM	2221	0.0	583	0.0	OFF	2221	0	583	0.00	0	68.0	68.0	68.0	32.5	32.5
7-8 PM	1792	0.0	471	0.0	1499	1792	0	471	7.07	168	68.5	42.0	30.8	33.9	33.9
8-9 PM	1506	0.0	396	0.0	1499	1506	0	396	13.20	317	68.9	31.5	30.8	34.8	34.8
9-10 PM	1075	0.0	283	0.0	1499	1075	0	283	4.58	124	69.4	49.1	36.9	36.2	36.2
10-11 PM	755	0.0	198	0.0	1500	755	0	198	0.56	0	69.8	66.4	42.5	37.3	37.3
11PM-MID	455	0.0	119	0.0	1500	455	0	119	0.53	0	70.2	66.9	43.7	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	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	0.0676
MAIN ROUTE WITH WORKS	0.0670
DIVERSION	0.1882

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$10,394
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

SUNDAY EASTBOUND DIRECTION

