

**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
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	OFF	483	0	127	0.00	0	70.1	70.1	70.1	38.2	38.2
1-2 AM	333	0.0	88	0.0	OFF	333	0	88	0.00	0	70.2	70.2	70.2	38.6	38.6
2-3 AM	245	0.0	64	0.0	OFF	245	0	64	0.00	0	70.2	70.2	70.2	38.9	38.9
3-4 AM	242	0.0	64	0.0	OFF	242	0	64	0.00	0	70.2	70.2	70.2	38.9	38.9
4-5 AM	267	0.0	70	0.0	OFF	267	0	70	0.00	0	70.2	70.2	70.2	38.9	38.9
5-6 AM	428	0.0	113	0.0	OFF	428	0	113	0.00	0	70.2	70.2	70.2	38.3	38.3
6-7 AM	774	0.0	203	0.0	OFF	774	0	203	0.00	0	69.8	69.8	69.8	37.2	37.2
7-8 AM	1325	0.0	347	0.0	OFF	1325	0	347	0.00	0	69.1	69.1	69.1	35.5	35.5
8-9 AM	1824	0.0	478	0.0	1499	1824	0	478	5.63	135	68.5	45.6	30.8	33.8	33.8
9-10 AM	2186	0.0	573	0.0	1500	1989	198	771	23.26	604	68.0	22.2	30.8	32.6	30.2
10-11 AM	2335	0.0	613	0.0	1500	1654	681	1294+	35.29	900	67.8	16.5	30.8	32.1	23.7
11A-NOON	2291	0.0	602	0.0	1500	1494	797	1399+	38.02	970	67.9	15.6	30.8	32.3	22.4
NOON-1PM	2131	0.0	559	0.0	1500	1388	742	1301+	35.50	905	68.1	16.4	30.8	32.8	23.6
1-2 PM	2002	0.0	525	0.0	1500	1405	596	1122	31.50	799	68.2	17.9	30.8	33.2	25.8
2-3 PM	1902	0.0	499	0.0	1500	1431	471	970	28.61	722	68.4	19.3	30.8	33.5	27.7
3-4 PM	1677	0.0	441	0.0	1499	1387	290	731	24.79	622	68.6	21.4	30.8	34.3	30.7
4-5 PM	1535	0.0	403	0.0	1500	1441	94	497	21.72	540	68.8	23.3	30.8	34.7	33.6
5-6 PM	1377	0.0	361	0.0	1499	1377	0	361	18.75	463	69.0	25.7	30.8	35.3	35.3
6-7 PM	1145	0.0	300	0.0	OFF	1145	0	300	0.23	15	69.3	67.9	67.9	36.0	36.0
7-8 PM	947	0.0	249	0.0	OFF	947	0	249	0.00	0	69.6	69.6	69.6	36.6	36.6
8-9 PM	733	0.0	193	0.0	OFF	733	0	193	0.00	0	69.8	69.8	69.8	37.3	37.3
9-10 PM	621	0.0	163	0.0	OFF	621	0	163	0.00	0	70.0	70.0	70.0	37.7	37.7
10-11 PM	503	0.0	132	0.0	OFF	503	0	132	0.00	0	70.1	70.1	70.1	38.1	38.1
11PM-MID	339	0.0	89	0.0	OFF	339	0	89	0.00	0	70.2	70.2	70.2	38.6	38.6

"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	0.0563
MAIN ROUTE WITH WORKS	0.0474
DIVERSION	0.2405

PIA: Personal Injury Accidents

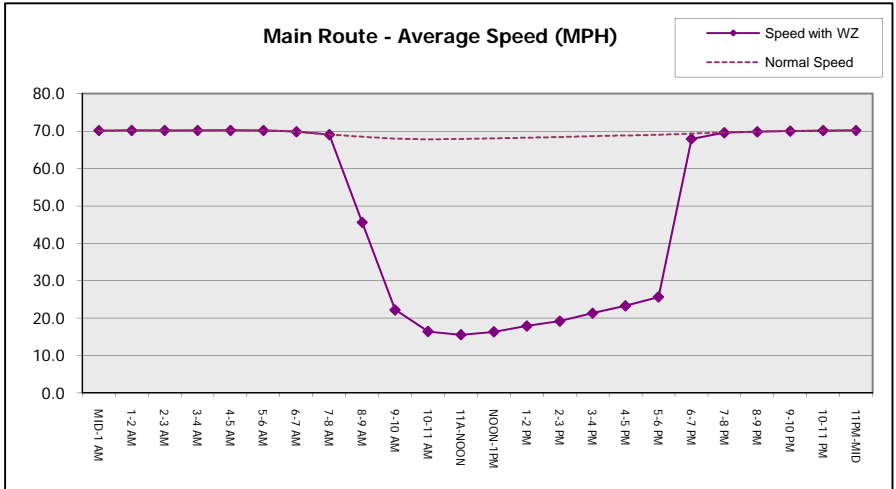
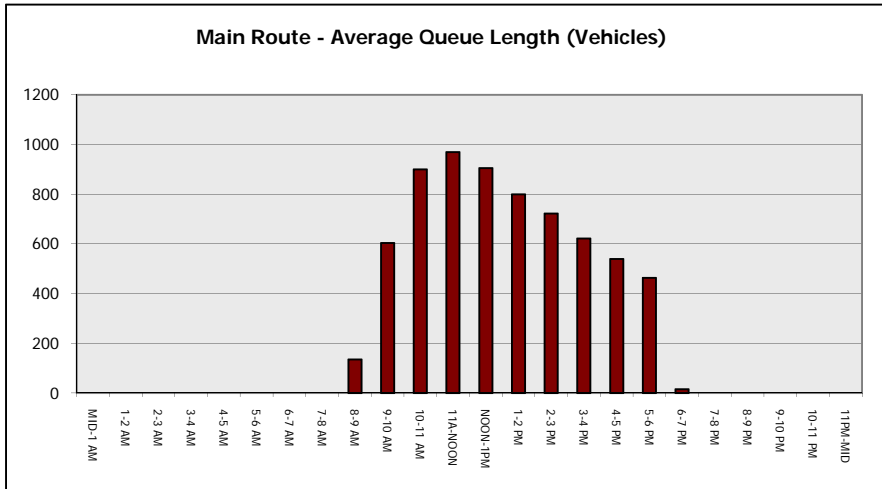
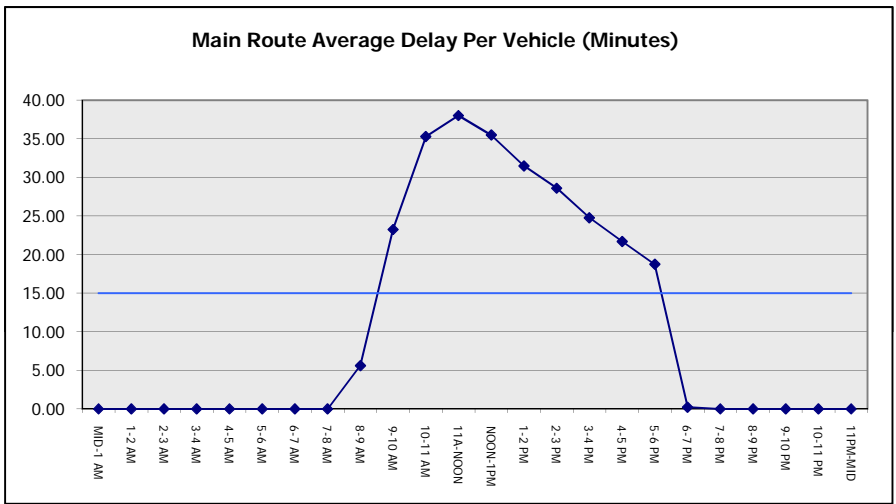
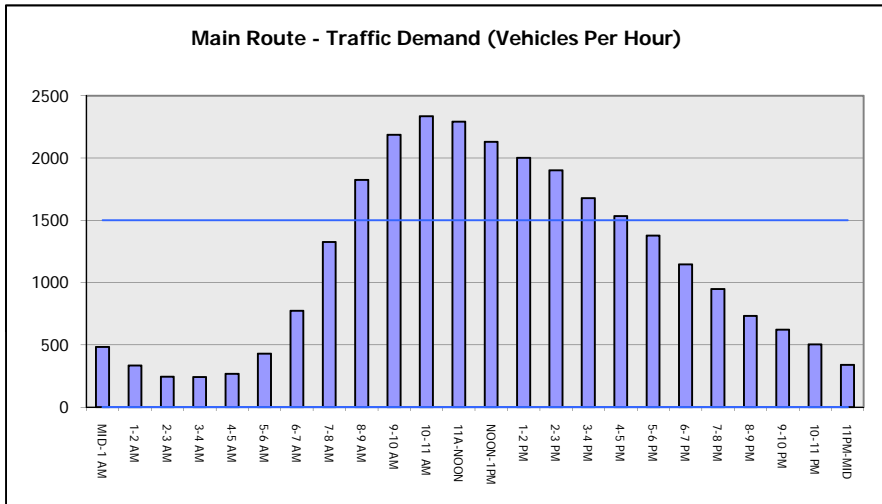
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$156,040
CONGESTED HOURS PER DAY*	9

*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
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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) OFF-PEAK DAY 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	OFF	334	0	88	0.00	0	70.2	70.2	70.2	38.6	38.6
1-2 AM	248	0.0	65	0.0	OFF	248	0	65	0.00	0	70.2	70.2	70.2	38.9	38.9
2-3 AM	245	0.0	64	0.0	OFF	245	0	64	0.00	0	70.2	70.2	70.2	38.9	38.9
3-4 AM	254	0.0	67	0.0	OFF	254	0	67	0.00	0	70.2	70.2	70.2	38.9	38.9
4-5 AM	237	0.0	63	0.0	OFF	237	0	63	0.00	0	70.2	70.2	70.2	38.9	38.9
5-6 AM	293	0.0	77	0.0	OFF	293	0	77	0.00	0	70.2	70.2	70.2	38.8	38.8
6-7 AM	441	0.0	116	0.0	OFF	441	0	116	0.00	0	70.2	70.2	70.2	38.3	38.3
7-8 AM	658	0.0	173	0.0	OFF	658	0	173	0.00	0	69.9	69.9	69.9	37.6	37.6
8-9 AM	959	0.0	252	0.0	1500	959	0	252	0.58	0	69.6	66.1	41.8	36.6	36.6
9-10 AM	1258	0.0	331	0.0	1499	1258	0	331	0.78	0	69.2	64.6	36.8	35.6	35.6
10-11 AM	1560	0.0	409	0.0	1499	1560	0	409	1.73	17	68.8	59.6	30.8	34.7	34.7
11A-NOON	1671	0.0	438	0.0	1500	1671	0	438	6.38	143	68.7	43.7	30.8	34.3	34.3
NOON-1PM	1648	0.0	432	0.0	1499	1648	0	432	12.65	305	68.7	32.2	30.8	34.4	34.4
1-2 PM	1665	0.0	437	0.0	1500	1661	4	441	18.62	461	68.7	25.8	30.8	34.3	34.3
2-3 PM	1632	0.0	428	0.0	1499	1517	115	543	22.27	554	68.7	23.0	30.8	34.4	33.0
3-4 PM	1600	0.0	420	0.0	1500	1486	114	534	22.16	551	68.7	23.0	30.8	34.5	33.1
4-5 PM	1506	0.0	396	0.0	1499	1460	46	441	21.04	522	68.9	23.8	30.8	34.8	34.3
5-6 PM	1382	0.0	363	0.0	1499	1382	0	363	18.40	453	69.0	26.0	30.8	35.2	35.2
6-7 PM	1196	0.0	314	0.0	OFF	1196	0	314	0.23	15	69.2	67.8	67.8	35.8	35.8
7-8 PM	1063	0.0	279	0.0	OFF	1063	0	279	0.00	0	69.4	69.4	69.4	36.3	36.3
8-9 PM	951	0.0	250	0.0	OFF	951	0	250	0.00	0	69.6	69.6	69.6	36.6	36.6
9-10 PM	796	0.0	209	0.0	OFF	796	0	209	0.00	0	69.7	69.7	69.7	37.1	37.1
10-11 PM	662	0.0	174	0.0	OFF	662	0	174	0.00	0	69.9	69.9	69.9	37.6	37.6
11PM-MID	432	0.0	113	0.0	OFF	432	0	113	0.00	0	70.2	70.2	70.2	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	0.0462
MAIN ROUTE WITH WORKS	0.0447
DIVERSION	0.1348

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$58,264
CONGESTED HOURS PER DAY*	5

*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

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 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT

SATURDAY EASTBOUND DIRECTION

