

**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
MON-THUR 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	279	0.0	73	0.0	OFF	279	0	73	0.00	0	70.2	70.2	70.2	38.8	38.8
1-2 AM	227	0.0	60	0.0	OFF	227	0	60	0.00	0	70.2	70.2	70.2	39.0	39.0
2-3 AM	204	0.0	53	0.0	OFF	204	0	53	0.00	0	70.2	70.2	70.2	39.1	39.1
3-4 AM	211	0.0	55	0.0	OFF	211	0	55	0.00	0	70.2	70.2	70.2	39.1	39.1
4-5 AM	253	0.0	66	0.0	OFF	253	0	66	0.00	0	70.2	70.2	70.2	38.9	38.9
5-6 AM	400	0.0	105	0.0	OFF	400	0	105	0.00	0	70.2	70.2	70.2	38.4	38.4
6-7 AM	724	0.0	190	0.0	OFF	724	0	190	0.00	0	69.9	69.9	69.9	37.4	37.4
7-8 AM	1081	0.0	284	0.0	OFF	1081	0	284	0.00	0	69.4	69.4	69.4	36.2	36.2
8-9 AM	1187	0.0	312	0.0	OFF	1187	0	312	0.00	0	69.2	69.2	69.2	35.9	35.9
9-10 AM	1239	0.0	325	0.0	1500	1239	0	325	0.76	0	69.2	64.8	37.3	35.7	35.7
10-11 AM	1307	0.0	343	0.0	1500	1307	0	343	0.85	0	69.1	64.2	35.3	35.5	35.5
11A-NOON	1323	0.0	347	0.0	1500	1323	0	347	0.87	0	69.1	64.1	34.9	35.5	35.5
NOON-1PM	1380	0.0	362	0.0	1500	1380	0	362	0.94	0	69.0	63.7	33.5	35.3	35.3
1-2 PM	1465	0.0	384	0.0	1499	1465	0	384	1.05	0	68.9	63.0	31.5	35.0	35.0
2-3 PM	1525	0.0	400	0.0	1499	1525	0	400	1.35	6	68.9	61.4	30.8	34.8	34.8
3-4 PM	1652	0.0	433	0.0	1500	1652	0	433	4.50	93	68.7	49.0	30.8	34.3	34.3
4-5 PM	1769	0.0	465	0.0	OFF	1769	0	465	0.07	3	68.6	68.1	68.1	34.0	34.0
5-6 PM	1616	0.0	424	0.0	OFF	1616	0	424	0.00	0	68.7	68.7	68.7	34.5	34.5
6-7 PM	1197	0.0	314	0.0	OFF	1197	0	314	0.00	0	69.2	69.2	69.2	35.8	35.8
7-8 PM	940	0.0	247	0.0	OFF	940	0	247	0.00	0	69.6	69.6	69.6	36.7	36.7
8-9 PM	796	0.0	209	0.0	OFF	796	0	209	0.00	0	69.7	69.7	69.7	37.1	37.1
9-10 PM	696	0.0	182	0.0	OFF	696	0	182	0.00	0	69.9	69.9	69.9	37.5	37.5
10-11 PM	542	0.0	142	0.0	OFF	542	0	142	0.00	0	70.0	70.0	70.0	38.0	38.0
11PM-MID	426	0.0	112	0.0	OFF	426	0	112	0.00	0	70.2	70.2	70.2	38.4	38.4

"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	0.0457
MAIN ROUTE WITH WORKS	0.0451
DIVERSION	0.1273

PIA: Personal Injury Accidents

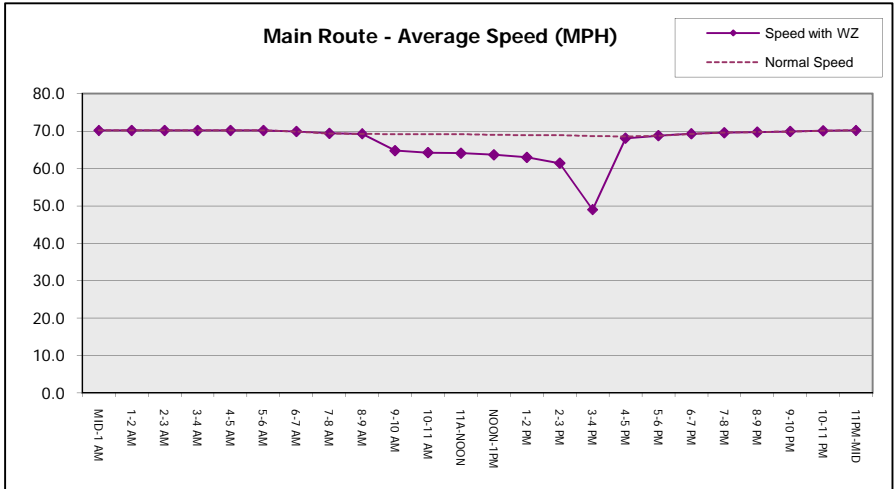
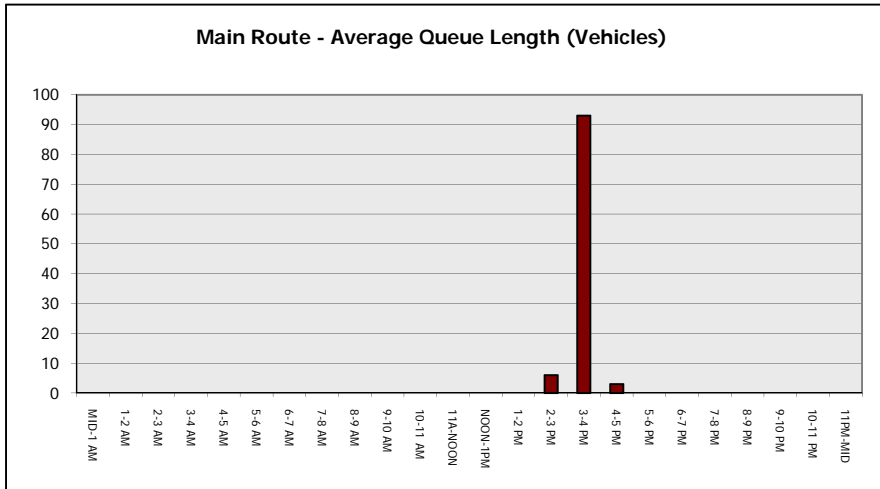
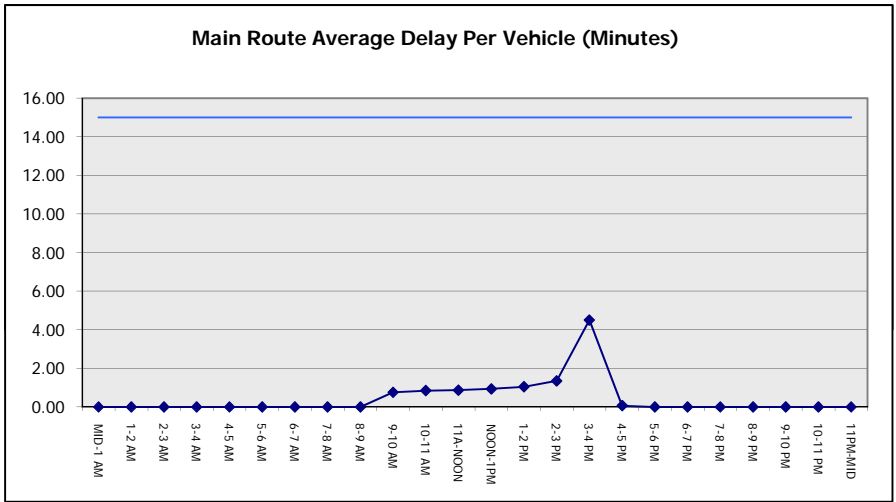
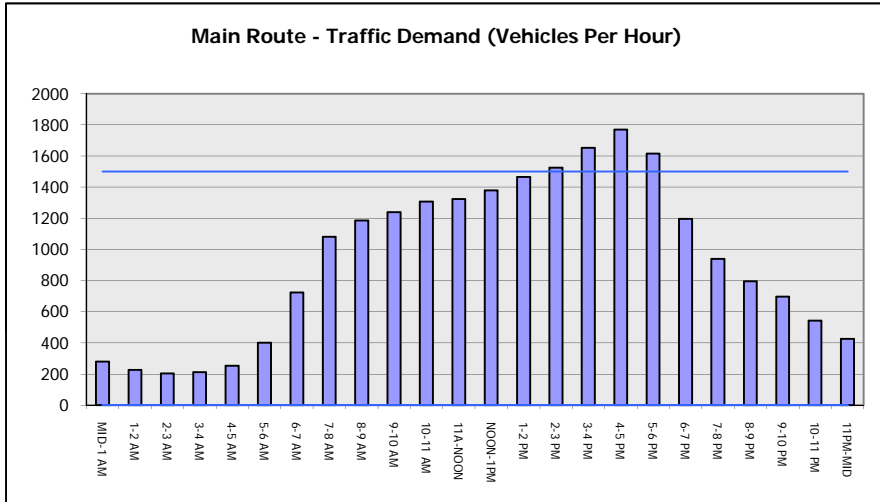
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$2,606
CONGESTED HOURS PER DAY*	0

*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
MON-THUR 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

MON-THUR 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		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	268	0.0	70	0.0	OFF	268	0	70	0.00	0	70.2	70.2	70.2	38.9	38.9
1-2 AM	219	0.0	58	0.0	OFF	219	0	58	0.00	0	70.2	70.2	70.2	39.0	39.0
2-3 AM	217	0.0	57	0.0	OFF	217	0	57	0.00	0	70.2	70.2	70.2	39.1	39.1
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	332	0.0	87	0.0	OFF	332	0	87	0.00	0	70.2	70.2	70.2	38.7	38.7
5-6 AM	675	0.0	177	0.0	OFF	675	0	177	0.00	0	69.9	69.9	69.9	37.6	37.6
6-7 AM	1040	0.0	273	0.0	OFF	1040	0	273	0.00	0	69.4	69.4	69.4	36.3	36.3
7-8 AM	1099	0.0	289	0.0	OFF	1099	0	289	0.00	0	69.4	69.4	69.4	36.1	36.1
8-9 AM	1082	0.0	284	0.0	OFF	1082	0	284	0.00	0	69.4	69.4	69.4	36.2	36.2
9-10 AM	1195	0.0	314	0.0	1500	1195	0	314	0.70	0	69.2	65.1	38.6	35.8	35.8
10-11 AM	1323	0.0	347	0.0	1500	1323	0	347	0.87	0	69.1	64.1	34.9	35.5	35.5
11A-NOON	1421	0.0	374	0.0	1500	1421	0	374	1.00	0	69.0	63.3	32.5	35.1	35.1
NOON-1PM	1482	0.0	389	0.0	1499	1482	0	389	1.08	0	68.9	62.8	31.2	34.9	34.9
1-2 PM	1523	0.0	400	0.0	1499	1523	0	400	1.35	6	68.9	61.4	30.8	34.8	34.8
2-3 PM	1633	0.0	429	0.0	1500	1633	0	429	4.18	84	68.7	50.0	30.8	34.4	34.4
3-4 PM	1701	0.0	447	0.0	1500	1701	0	447	10.58	254	68.6	35.3	30.8	34.2	34.2
4-5 PM	1734	0.0	455	0.0	OFF	1734	0	455	0.22	15	68.6	67.3	67.3	34.1	34.1
5-6 PM	1526	0.0	401	0.0	OFF	1526	0	401	0.00	0	68.8	68.8	68.8	34.8	34.8
6-7 PM	1252	0.0	329	0.0	OFF	1252	0	329	0.00	0	69.2	69.2	69.2	35.6	35.6
7-8 PM	1014	0.0	266	0.0	OFF	1014	0	266	0.00	0	69.5	69.5	69.5	36.5	36.5
8-9 PM	851	0.0	224	0.0	OFF	851	0	224	0.00	0	69.7	69.7	69.7	36.9	36.9
9-10 PM	703	0.0	184	0.0	OFF	703	0	184	0.00	0	69.9	69.9	69.9	37.4	37.4
10-11 PM	549	0.0	144	0.0	OFF	549	0	144	0.00	0	70.0	70.0	70.0	37.9	37.9
11PM-MID	365	0.0	96	0.0	OFF	365	0	96	0.00	0	70.2	70.2	70.2	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	0.0478
MAIN ROUTE WITH WORKS	0.0471
DIVERSION	0.1331

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$5,371
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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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
MON-THUR EASTBOUND DIRECTION

