

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

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	1500	279	0	73	0.51	0	70.2	67.1	44.3	38.8	38.8
1-2 AM	227	0.0	60	0.0	1500	227	0	60	0.50	0	70.2	67.1	44.6	39.0	39.0
2-3 AM	204	0.0	53	0.0	1500	204	0	53	0.50	0	70.2	67.1	44.6	39.1	39.1
3-4 AM	211	0.0	55	0.0	1500	211	0	55	0.50	0	70.2	67.1	44.6	39.1	39.1
4-5 AM	253	0.0	66	0.0	1500	253	0	66	0.50	0	70.2	67.1	44.5	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	OFF	1239	0	325	0.00	0	69.2	69.2	69.2	35.7	35.7
10-11 AM	1307	0.0	343	0.0	OFF	1307	0	343	0.00	0	69.1	69.1	69.1	35.5	35.5
11A-NOON	1323	0.0	347	0.0	OFF	1323	0	347	0.00	0	69.1	69.1	69.1	35.5	35.5
NOON-1PM	1380	0.0	362	0.0	OFF	1380	0	362	0.00	0	69.0	69.0	69.0	35.3	35.3
1-2 PM	1465	0.0	384	0.0	OFF	1465	0	384	0.00	0	68.9	68.9	68.9	35.0	35.0
2-3 PM	1525	0.0	400	0.0	OFF	1525	0	400	0.00	0	68.9	68.9	68.9	34.8	34.8
3-4 PM	1652	0.0	433	0.0	OFF	1652	0	433	0.00	0	68.7	68.7	68.7	34.3	34.3
4-5 PM	1769	0.0	465	0.0	OFF	1769	0	465	0.00	0	68.6	68.6	68.6	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	1500	940	0	247	0.58	0	69.6	66.1	41.9	36.7	36.7
8-9 PM	796	0.0	209	0.0	1500	796	0	209	0.56	0	69.7	66.3	42.4	37.1	37.1
9-10 PM	696	0.0	182	0.0	1500	696	0	182	0.55	0	69.9	66.5	42.8	37.5	37.5
10-11 PM	542	0.0	142	0.0	1500	542	0	142	0.54	0	70.0	66.8	43.3	38.0	38.0
11PM-MID	426	0.0	112	0.0	1500	426	0	112	0.52	0	70.2	66.9	43.8	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	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	0.0457
MAIN ROUTE WITH WORKS	0.0454
DIVERSION	0.1273

PIA: Personal Injury Accidents

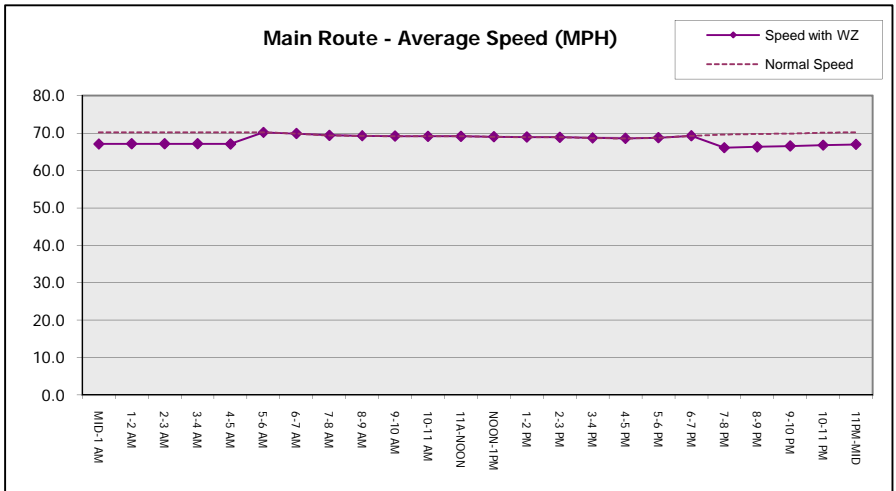
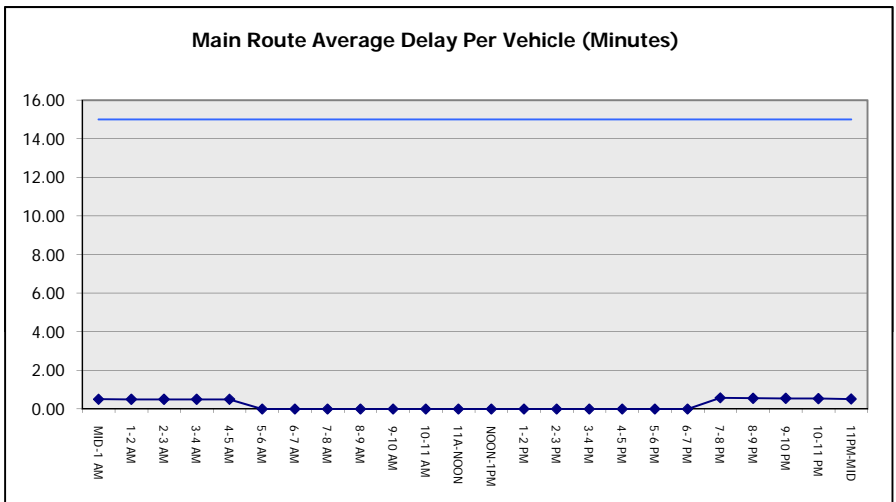
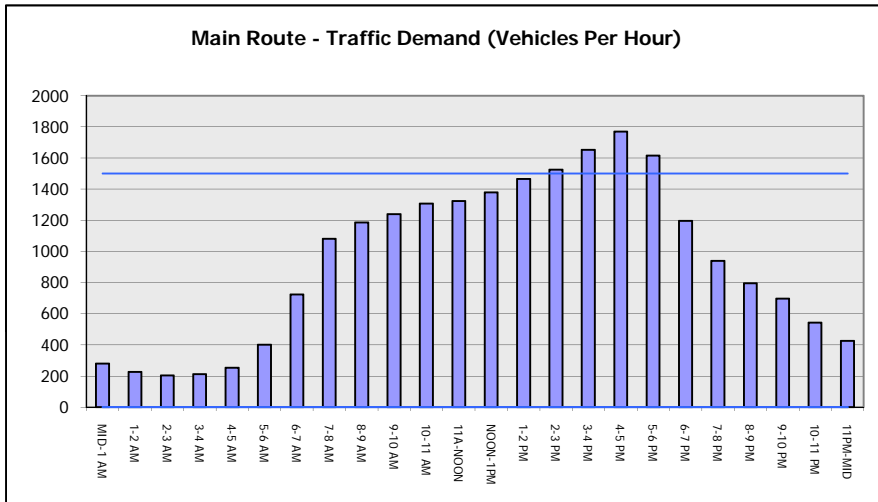
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$502
CONGESTED HOURS PER DAY*	0

*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
MON-THUR 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	
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		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	268	0.0	70	0.0	1500	268	0	70	0.51	0	70.2	67.1	44.4	38.9	38.9
1-2 AM	219	0.0	58	0.0	1500	219	0	58	0.50	0	70.2	67.1	44.6	39.0	39.0
2-3 AM	217	0.0	57	0.0	1500	217	0	57	0.50	0	70.2	67.1	44.6	39.1	39.1
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	332	0.0	87	0.0	1500	332	0	87	0.51	0	70.2	67.0	44.2	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	OFF	1195	0	314	0.00	0	69.2	69.2	69.2	35.8	35.8
10-11 AM	1323	0.0	347	0.0	OFF	1323	0	347	0.00	0	69.1	69.1	69.1	35.5	35.5
11A-NOON	1421	0.0	374	0.0	OFF	1421	0	374	0.00	0	69.0	69.0	69.0	35.1	35.1
NOON-1PM	1482	0.0	389	0.0	OFF	1482	0	389	0.00	0	68.9	68.9	68.9	34.9	34.9
1-2 PM	1523	0.0	400	0.0	OFF	1523	0	400	0.00	0	68.9	68.9	68.9	34.8	34.8
2-3 PM	1633	0.0	429	0.0	OFF	1633	0	429	0.00	0	68.7	68.7	68.7	34.4	34.4
3-4 PM	1701	0.0	447	0.0	OFF	1701	0	447	0.00	0	68.6	68.6	68.6	34.2	34.2
4-5 PM	1734	0.0	455	0.0	OFF	1734	0	455	0.00	0	68.6	68.6	68.6	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	1500	1014	0	266	0.59	0	69.5	66.0	41.6	36.5	36.5
8-9 PM	851	0.0	224	0.0	1500	851	0	224	0.57	0	69.7	66.3	42.2	36.9	36.9
9-10 PM	703	0.0	184	0.0	1500	703	0	184	0.55	0	69.9	66.5	42.7	37.4	37.4
10-11 PM	549	0.0	144	0.0	1500	549	0	144	0.54	0	70.0	66.8	43.3	37.9	37.9
11PM-MID	365	0.0	96	0.0	1500	365	0	96	0.52	0	70.2	67.0	44.0	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	0.0474
DIVERSION	0.1331

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$527
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
MON-THUR EASTBOUND DIRECTION

