

**IH 39/90/94: STH 60 TO USH 51 (DANE AND COLUMBIA COUNTIES)
CONTINUOUS (24 HOUR) 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	1500	400	0	105	0.52	0	70.2	67.0	43.9	38.4	38.4
6-7 AM	724	0.0	190	0.0	1500	724	0	190	0.56	0	69.9	66.4	42.7	37.4	37.4
7-8 AM	1081	0.0	284	0.0	1500	1081	0	284	0.60	0	69.4	65.8	41.4	36.2	36.2
8-9 AM	1187	0.0	312	0.0	1500	1187	0	312	0.69	0	69.2	65.2	38.9	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	1500	1769	0	465	12.67	312	68.6	32.2	30.8	34.0	34.0
5-6 PM	1616	0.0	424	0.0	1499	1581	35	459	20.64	512	68.7	24.2	30.8	34.5	34.0
6-7 PM	1197	0.0	314	0.0	1499	1197	0	314	15.87	397	69.2	28.5	31.2	35.8	35.8
7-8 PM	940	0.0	247	0.0	1500	939	0	247	2.10	49	69.6	58.4	41.0	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

----- 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	0.0442
DIVERSION	0.1280

PIA: Personal Injury Accidents

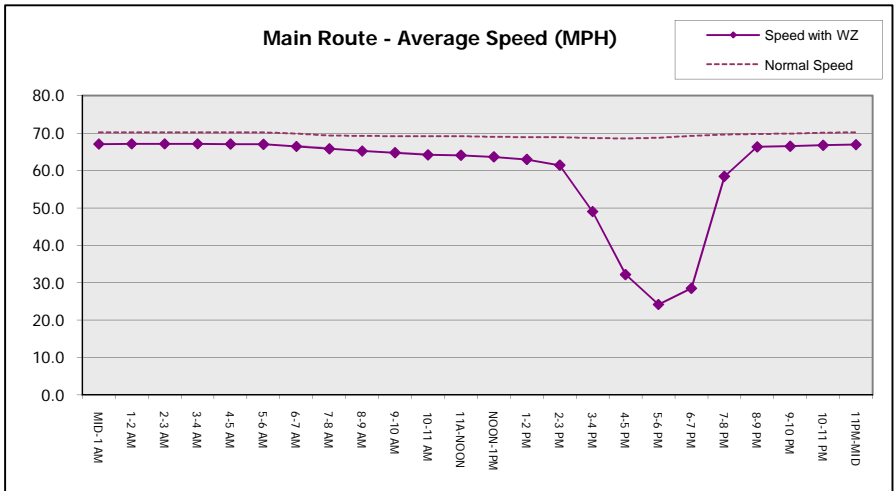
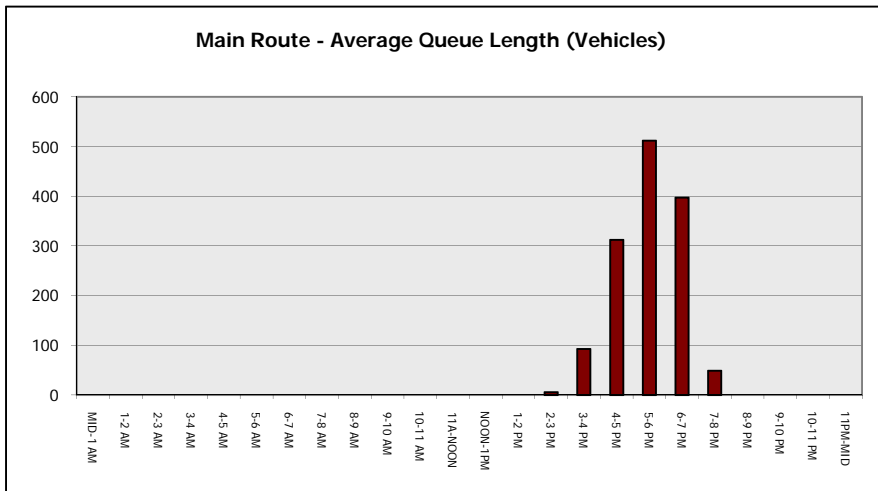
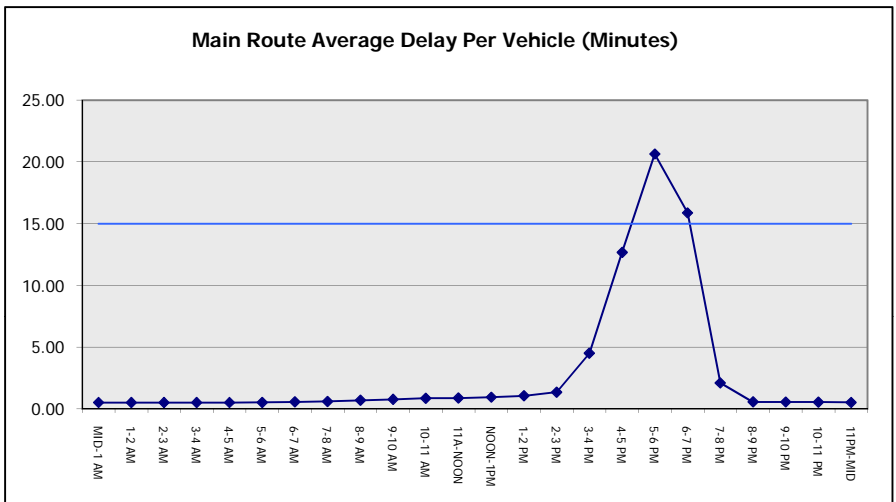
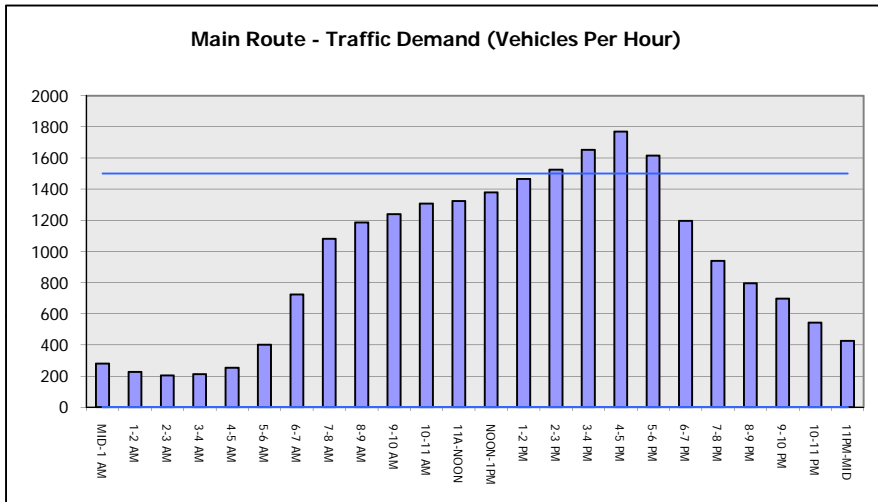
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$20,720
CONGESTED HOURS PER DAY*	2

*Delays Exceeding 15 Minutes

IH 39/90/94: STH 60 TO USH 51 (DANE AND COLUMBIA COUNTIES)
CONTINUOUS (24 HOUR) 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) CONTINUOUS (24 HOUR) 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	1500	675	0	177	0.55	0	69.9	66.6	42.8	37.6	37.6
6-7 AM	1040	0.0	273	0.0	1500	1040	0	273	0.59	0	69.4	65.9	41.5	36.3	36.3
7-8 AM	1099	0.0	289	0.0	1500	1099	0	289	0.60	0	69.4	65.8	41.4	36.1	36.1
8-9 AM	1082	0.0	284	0.0	1500	1082	0	284	0.60	0	69.4	65.8	41.4	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	1500	1713	21	476	19.16	478	68.6	25.3	30.8	34.1	33.8
5-6 PM	1526	0.0	401	0.0	1499	1432	94	494	21.68	539	68.8	23.3	30.8	34.8	33.6
6-7 PM	1252	0.0	329	0.0	1499	1252	0	329	15.97	395	69.2	28.4	30.8	35.6	35.6
7-8 PM	1014	0.0	266	0.0	1499	1014	0	266	2.91	74	69.5	55.0	39.1	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

----- 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	0.0460
DIVERSION	0.1355

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$26,994
CONGESTED HOURS PER DAY*	3

*Delays Exceeding 15 Minutes

IH 39/90/94: STH 60 TO USH 51 (DANE AND COLUMBIA COUNTIES)
CONTINUOUS (24 HOUR) 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

