

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	OCTOBER
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

FRIDAY 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	358	0.0	94	0.0	1500	358	0	94	0.52	0	70.2	67.0	44.0	38.6	38.6
1-2 AM	296	0.0	77	0.0	1500	296	0	77	0.51	0	70.2	67.1	44.3	38.8	38.8
2-3 AM	260	0.0	68	0.0	1500	260	0	68	0.50	0	70.2	67.1	44.5	38.9	38.9
3-4 AM	271	0.0	71	0.0	1500	271	0	71	0.51	0	70.2	67.1	44.4	38.9	38.9
4-5 AM	305	0.0	80	0.0	1500	305	0	80	0.51	0	70.2	67.1	44.3	38.8	38.8
5-6 AM	481	0.0	127	0.0	1500	481	0	127	0.53	0	70.1	66.9	43.6	38.2	38.2
6-7 AM	789	0.0	207	0.0	1500	789	0	207	0.56	0	69.7	66.3	42.4	37.2	37.2
7-8 AM	1179	0.0	310	0.0	1500	1179	0	310	0.68	0	69.2	65.3	39.1	35.9	35.9
8-9 AM	1388	0.0	364	0.0	1499	1388	0	364	0.95	0	69.0	63.6	33.3	35.2	35.2
9-10 AM	1611	0.0	423	0.0	1499	1611	0	423	2.59	41	68.7	55.8	30.8	34.5	34.5
10-11 AM	1833	0.0	481	0.0	1500	1833	0	481	10.68	265	68.4	35.1	30.8	33.8	33.8
11A-NOON	2001	0.0	525	0.0	1499	1782	219	744	24.50	620	68.2	21.5	30.8	33.2	30.5
NOON-1PM	2059	0.0	540	0.0	1499	1561	498	1037	29.82	754	68.2	18.7	30.8	33.0	26.9
1-2 PM	2250	0.0	590	0.0	1499	1626	624	1214+	33.44	851	67.9	17.1	30.8	32.4	24.7
2-3 PM	2390	0.0	628	0.0	1499	1617	773	1401+	38.06	972	67.8	15.5	30.8	31.9	22.4
3-4 PM	2507	0.0	658	0.0	1499	1615	892	1550+	42.48	1089	67.6	14.3	30.8	31.5	20.5
4-5 PM	2601	0.0	683	0.0	1499	1608	993	1677+	46.80	1202	67.5	13.2	30.8	31.2	18.9
5-6 PM	2656	0.0	697	0.0	1499	1499	1157	1854+	47.84	1229	67.4	13.0	30.8	31.1	18.6
6-7 PM	2449	0.0	642	0.0	1499	1381	1068	1710+	46.72	1200	67.7	13.2	30.8	31.8	19.0
7-8 PM	2081	0.0	546	0.0	1499	1204	877	1423+	38.74	993	68.1	15.3	30.8	33.0	22.0
8-9 PM	1675	0.0	439	0.0	1499	1223	452	891	27.30	692	68.6	19.9	30.8	34.3	28.7
9-10 PM	1241	0.0	325	0.0	1499	1212	28	354	17.41	434	69.2	27.0	30.8	35.7	35.3
10-11 PM	893	0.0	234	0.0	1499	893	0	234	2.73	72	69.6	55.8	40.6	36.8	36.8
11PM-MID	595	0.0	156	0.0	1500	595	0	156	0.54	0	70.0	66.7	43.2	37.8	37.8

+ 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	0.0696
MAIN ROUTE WITH WORKS	0.0524
DIVERSION	0.3577

PIA: Personal Injury Accidents

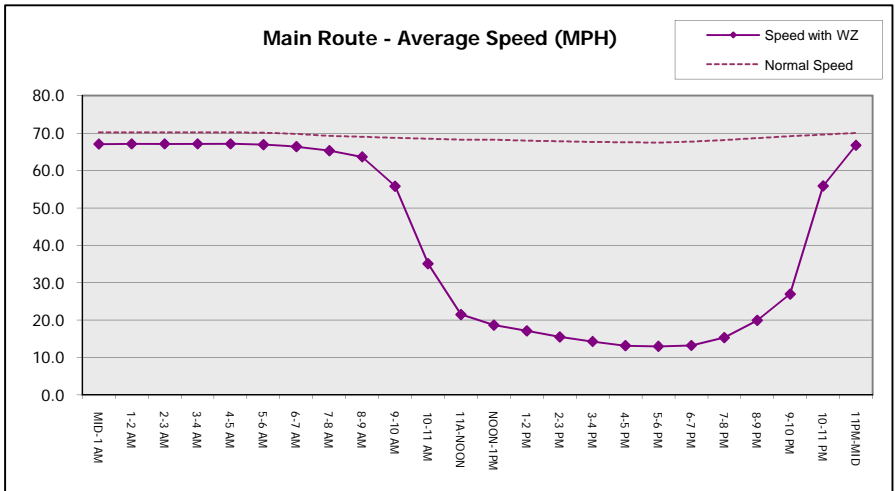
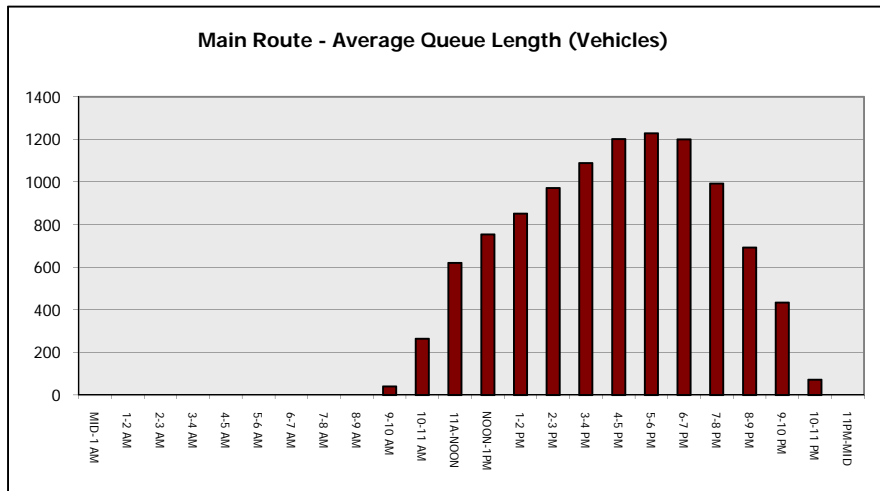
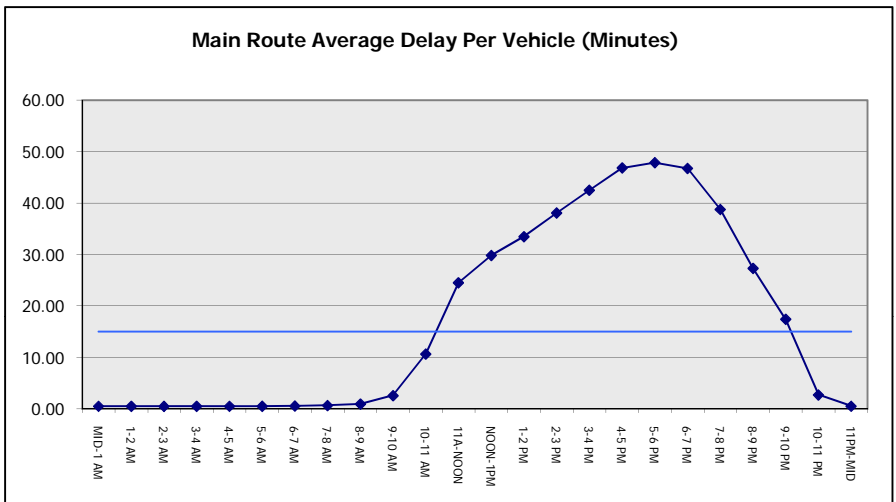
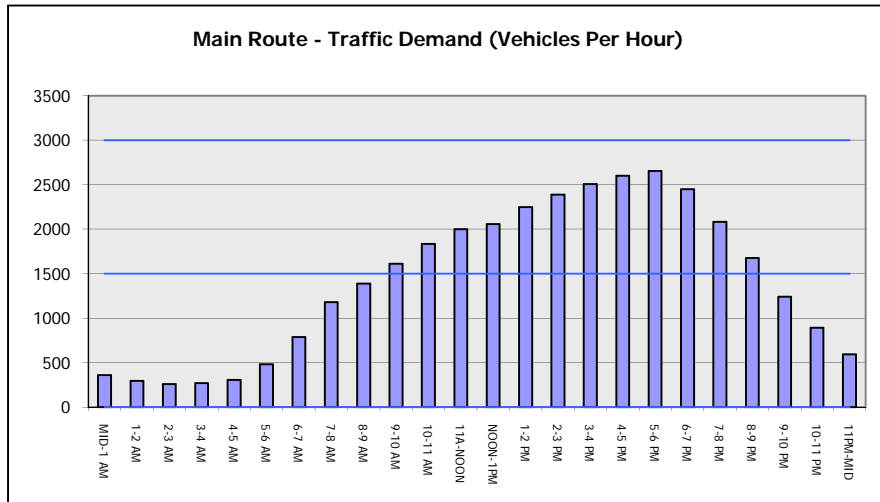
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$241,176
CONGESTED HOURS PER DAY*	11

*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

OCTOBER
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY 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	OCTOBER
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

FRIDAY EASTBOUND DIRECTION

TIME OF DAY	FLOWS AND CAPACITY IN VEH/HR							AVERAGE SPEEDS IN MPH			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	288	0.0	75	0.0	1500	288	0	75	0.51	0	70.2	67.1	44.3	38.8	38.8
1-2 AM	238	0.0	63	0.0	1500	238	0	63	0.50	0	70.2	67.1	44.5	38.9	38.9
2-3 AM	258	0.0	68	0.0	1500	258	0	68	0.50	0	70.2	67.1	44.5	38.9	38.9
3-4 AM	275	0.0	72	0.0	1500	275	0	72	0.51	0	70.2	67.1	44.4	38.9	38.9
4-5 AM	360	0.0	94	0.0	1500	360	0	94	0.52	0	70.2	67.0	44.0	38.6	38.6
5-6 AM	608	0.0	159	0.0	1500	608	0	159	0.54	0	70.0	66.7	43.1	37.8	37.8
6-7 AM	951	0.0	250	0.0	1500	951	0	250	0.58	0	69.6	66.1	41.9	36.6	36.6
7-8 AM	1066	0.0	280	0.0	1500	1066	0	280	0.59	0	69.4	65.9	41.4	36.3	36.3
8-9 AM	1093	0.0	287	0.0	1500	1093	0	287	0.60	0	69.4	65.8	41.4	36.2	36.2
9-10 AM	1218	0.0	319	0.0	1499	1218	0	319	0.73	0	69.2	65.0	37.9	35.8	35.8
10-11 AM	1456	0.0	382	0.0	1499	1456	0	382	1.07	0	68.9	62.9	31.8	35.0	35.0
11A-NOON	1623	0.0	426	0.0	1500	1623	0	426	3.10	55	68.7	53.8	30.8	34.5	34.5
NOON-1PM	1759	0.0	461	0.0	1500	1759	0	461	10.12	245	68.6	36.0	30.8	34.0	34.0
1-2 PM	1960	0.0	515	0.0	1500	1818	143	657	22.47	570	68.3	22.8	30.8	33.3	31.6
2-3 PM	2144	0.0	563	0.0	1499	1628	516	1079	30.61	776	68.1	18.3	30.8	32.7	26.3
3-4 PM	2131	0.0	559	0.0	1499	1511	620	1178	32.67	829	68.1	17.5	30.8	32.8	25.1
4-5 PM	2366	0.0	620	0.0	1499	1646	720	1340+	36.44	930	67.8	16.1	30.8	32.0	23.1
5-6 PM	2104	0.0	552	0.0	1499	1339	766	1318+	35.94	916	68.1	16.3	30.8	32.9	23.3
6-7 PM	1772	0.0	465	0.0	1499	1287	485	949	28.27	715	68.6	19.4	30.8	34.0	27.9
7-8 PM	1484	0.0	389	0.0	1500	1366	118	507	21.76	542	68.9	23.3	30.8	34.9	33.5
8-9 PM	1222	0.0	320	0.0	1499	1222	0	320	14.47	359	69.2	30.1	31.1	35.8	35.8
9-10 PM	933	0.0	245	0.0	1500	933	0	245	1.85	41	69.6	59.6	41.2	36.7	36.7
10-11 PM	701	0.0	184	0.0	1500	701	0	184	0.55	0	69.9	66.5	42.7	37.4	37.4
11PM-MID	447	0.0	117	0.0	1500	447	0	117	0.53	0	70.2	66.9	43.7	38.3	38.3

+ INDICATES DIVERSION FLOW EXCEEDS USER-SPECIFIED WARNING LIMIT

----- 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	0.0580
MAIN ROUTE WITH WORKS	0.0495
DIVERSION	0.2341

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$123,073
CONGESTED HOURS PER DAY*	7

*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

OCTOBER
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY EASTBOUND DIRECTION

