

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	AUGUST
	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	594	0.0	156	0.0	1500	594	0	156	0.54	0	70.0	66.7	43.2	37.8	37.8
1-2 AM	341	0.0	90	0.0	1500	341	0	90	0.51	0	70.2	67.0	44.2	38.6	38.6
2-3 AM	288	0.0	75	0.0	1500	288	0	75	0.51	0	70.2	67.1	44.3	38.8	38.8
3-4 AM	231	0.0	61	0.0	1500	231	0	61	0.50	0	70.2	67.1	44.6	39.0	39.0
4-5 AM	277	0.0	72	0.0	1500	277	0	72	0.51	0	70.2	67.1	44.4	38.9	38.9
5-6 AM	430	0.0	113	0.0	1500	430	0	113	0.53	0	70.2	66.9	43.8	38.3	38.3
6-7 AM	801	0.0	210	0.0	1500	801	0	210	0.57	0	69.7	66.3	42.4	37.1	37.1
7-8 AM	1343	0.0	353	0.0	1499	1343	0	353	0.94	1	69.1	63.7	35.1	35.3	35.3
8-9 AM	2166	0.0	568	0.0	1500	2166	0	568	10.24	291	68.1	35.6	30.8	32.7	32.7
9-10 AM	2911	0.0	764	0.0	1499	2211	700	1464+	39.74	1041	67.1	15.0	30.8	30.2	21.5
10-11 AM	3321	0.0	872	0.0	1499	1497	1824	2696+	47.70	1229	66.6	13.0	30.8	28.9	18.6
11A-NOON	3226	0.0	847	0.0	1499	1497	1730	2576+	47.72	1229	66.7	13.0	30.8	29.2	18.6
NOON-1PM	2709	0.0	712	0.0	1499	1309	1400	2112+	45.96	1182	67.4	13.4	30.8	30.9	19.3
1-2 PM	2499	0.0	656	0.0	1499	1487	1012	1668+	46.63	1197	67.6	13.2	30.8	31.6	19.0
2-3 PM	2233	0.0	586	0.0	1499	1291	942	1528+	41.83	1072	67.9	14.5	30.8	32.5	20.7
3-4 PM	2010	0.0	527	0.0	1499	1302	708	1235+	33.96	865	68.2	17.0	30.8	33.2	24.4
4-5 PM	1721	0.0	452	0.0	1499	1322	399	851	26.62	671	68.6	20.3	30.8	34.2	29.2
5-6 PM	1447	0.0	380	0.0	1500	1374	72	452	21.02	522	68.9	23.8	30.8	35.0	34.2
6-7 PM	1230	0.0	322	0.0	1499	1230	0	322	13.85	342	69.2	30.8	31.1	35.8	35.8
7-8 PM	986	0.0	258	0.0	1500	986	0	258	1.86	40	69.5	59.5	40.6	36.5	36.5
8-9 PM	836	0.0	220	0.0	1500	836	0	220	0.57	0	69.7	66.3	42.3	37.0	37.0
9-10 PM	657	0.0	173	0.0	1500	657	0	173	0.55	0	69.9	66.6	42.9	37.6	37.6
10-11 PM	508	0.0	134	0.0	1500	508	0	134	0.53	0	70.1	66.8	43.5	38.1	38.1
11PM-MID	352	0.0	92	0.0	1500	352	0	92	0.52	0	70.2	67.0	44.1	38.6	38.6

+ 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	0.0675
MAIN ROUTE WITH WORKS	0.0480
DIVERSION	0.3778

PIA: Personal Injury Accidents

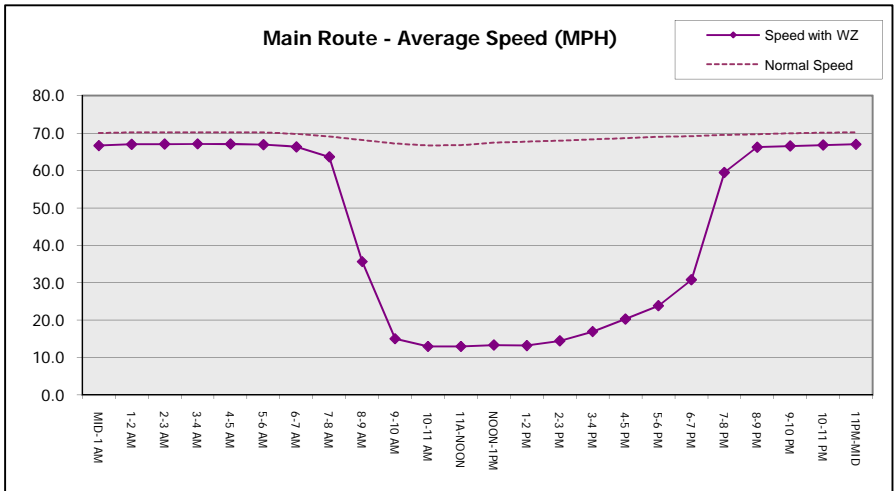
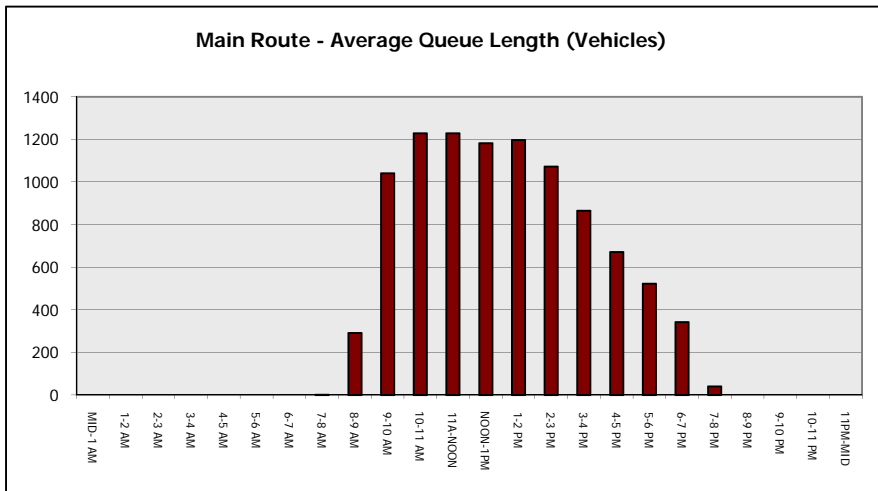
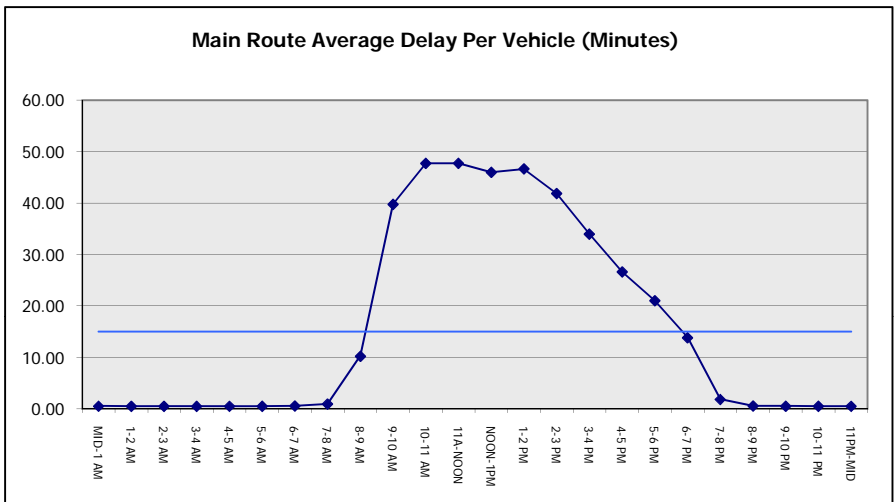
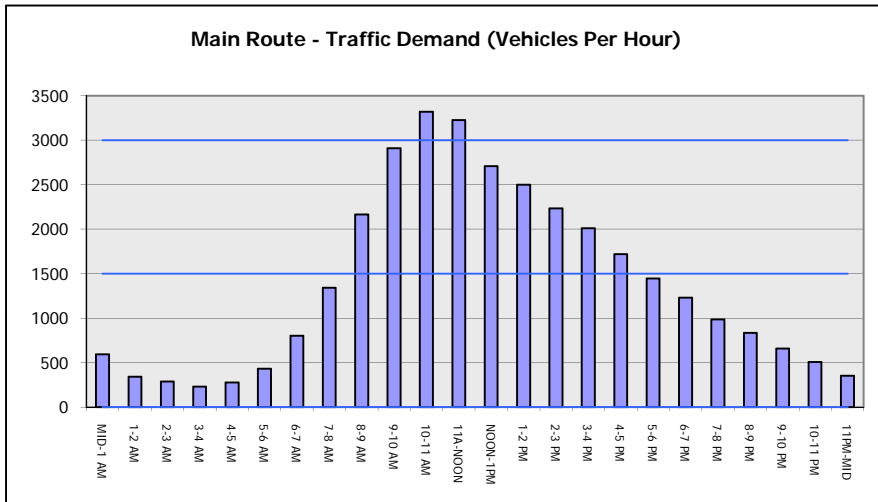
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$308,495
CONGESTED HOURS PER DAY*	9

*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**

AUGUST
 Analyzed for 2009
 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) CONTINUOUS (24 HOUR) 2 LANE CLOSURE DIVERSION ROUTE: USH 51 - STH 60	AUGUST
	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			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	419	0.0	110	0.0	1500	419	0	110	0.52	0	70.2	66.9	43.8	38.4	38.4
1-2 AM	317	0.0	83	0.0	1500	317	0	83	0.51	0	70.2	67.1	44.2	38.7	38.7
2-3 AM	302	0.0	80	0.0	1500	302	0	80	0.51	0	70.2	67.1	44.3	38.8	38.8
3-4 AM	286	0.0	75	0.0	1500	286	0	75	0.51	0	70.2	67.1	44.3	38.8	38.8
4-5 AM	280	0.0	73	0.0	1500	280	0	73	0.51	0	70.2	67.1	44.3	38.8	38.8
5-6 AM	341	0.0	89	0.0	1500	341	0	89	0.51	0	70.2	67.0	44.2	38.6	38.6
6-7 AM	485	0.0	128	0.0	1500	485	0	128	0.53	0	70.1	66.9	43.6	38.1	38.1
7-8 AM	741	0.0	195	0.0	1500	741	0	195	0.56	0	69.8	66.4	42.6	37.3	37.3
8-9 AM	1067	0.0	280	0.0	1499	1067	0	280	0.63	0	69.4	65.7	40.6	36.3	36.3
9-10 AM	1561	0.0	410	0.0	1499	1561	0	410	1.93	25	68.8	58.6	31.7	34.7	34.7
10-11 AM	2220	0.0	583	0.0	1500	2154	66	649	15.35	422	68.0	28.8	30.8	32.5	31.7
11A-NOON	2612	0.0	685	0.0	1500	1904	708	1393+	37.79	973	67.5	15.6	30.8	31.2	22.4
NOON-1PM	2709	0.0	712	0.0	1500	1532	1177	1888+	47.53	1222	67.4	13.0	30.8	30.9	18.8
1-2 PM	2734	0.0	718	0.0	1500	1501	1233	1951+	47.82	1229	67.3	13.0	30.8	30.8	18.6
2-3 PM	2665	0.0	700	0.0	1500	1501	1164	1865+	47.84	1229	67.4	13.0	30.8	31.1	18.6
3-4 PM	2409	0.0	632	0.0	1500	1415	994	1626+	45.10	1157	67.8	13.6	30.8	31.9	19.6
4-5 PM	2371	0.0	623	0.0	1500	1442	929	1551+	42.56	1090	67.8	14.2	30.8	32.0	20.5
5-6 PM	2037	0.0	535	0.0	1500	1246	791	1326+	36.14	923	68.2	16.2	30.8	33.1	23.3
6-7 PM	1773	0.0	466	0.0	1500	1321	451	917	27.71	700	68.6	19.7	30.8	34.0	28.4
7-8 PM	1559	0.0	409	0.0	1500	1400	160	569	22.60	564	68.8	22.7	30.8	34.7	32.7
8-9 PM	1316	0.0	345	0.0	1499	1316	0	345	17.79	440	69.1	26.6	30.8	35.5	35.5
9-10 PM	1115	0.0	293	0.0	1499	1115	0	293	5.90	157	69.4	45.2	35.5	36.1	36.1
10-11 PM	892	0.0	234	0.0	1500	892	0	234	0.58	0	69.6	66.2	42.0	36.8	36.8
11PM-MID	593	0.0	156	0.0	1500	593	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	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	0.0668
MAIN ROUTE WITH WORKS	0.0495
DIVERSION	0.3520

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$299,210
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

AUGUST
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SATURDAY EASTBOUND DIRECTION

