

**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

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	367	0.0	96	0.0	1500	367	0	96	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	240	0.0	63	0.0	1500	240	0	63	0.50	0	70.2	67.1	44.5	38.9	38.9
3-4 AM	238	0.0	63	0.0	1500	238	0	63	0.50	0	70.2	67.1	44.5	38.9	38.9
4-5 AM	273	0.0	71	0.0	1500	273	0	71	0.51	0	70.2	67.1	44.4	38.9	38.9
5-6 AM	424	0.0	111	0.0	1500	424	0	111	0.52	0	70.2	66.9	43.8	38.4	38.4
6-7 AM	747	0.0	196	0.0	1500	747	0	196	0.56	0	69.8	66.4	42.6	37.3	37.3
7-8 AM	1141	0.0	299	0.0	1500	1141	0	299	0.63	0	69.3	65.6	40.4	36.0	36.0
8-9 AM	1349	0.0	354	0.0	1499	1349	0	354	0.90	0	69.1	63.9	34.3	35.3	35.3
9-10 AM	1555	0.0	408	0.0	1499	1555	0	408	1.75	17	68.8	59.4	30.8	34.7	34.7
10-11 AM	1664	0.0	437	0.0	1500	1664	0	437	5.92	130	68.7	44.9	30.8	34.3	34.3
11A-NOON	1764	0.0	464	0.0	1500	1764	0	464	14.06	348	68.6	30.4	30.8	34.0	34.0
NOON-1PM	1770	0.0	465	0.0	1499	1636	134	599	22.91	573	68.6	22.5	30.8	34.0	32.3
1-2 PM	1892	0.0	497	0.0	1500	1566	326	823	26.15	658	68.4	20.6	30.8	33.6	29.5
2-3 PM	1908	0.0	501	0.0	1499	1516	393	894	27.29	687	68.4	19.9	30.8	33.5	28.6
3-4 PM	2097	0.0	550	0.0	1500	1602	495	1045	29.96	759	68.1	18.6	30.8	32.9	26.8
4-5 PM	2063	0.0	542	0.0	1499	1481	582	1124	31.54	799	68.2	17.9	30.8	33.0	25.8
5-6 PM	1891	0.0	496	0.0	1498	1385	505	1001	29.21	737	68.4	19.0	30.7	33.6	27.3
6-7 PM	1417	0.0	373	0.0	1500	1271	146	519	21.74	544	69.0	23.3	30.8	35.1	33.3
7-8 PM	1145	0.0	300	0.0	1499	1145	0	300	10.99	279	69.3	34.8	32.7	36.0	36.0
8-9 PM	946	0.0	248	0.0	1500	946	0	248	0.83	7	69.6	64.7	41.9	36.6	36.6
9-10 PM	768	0.0	202	0.0	1500	768	0	202	0.56	0	69.8	66.4	42.5	37.3	37.3
10-11 PM	597	0.0	157	0.0	1500	597	0	157	0.54	0	70.0	66.7	43.2	37.8	37.8
11PM-MID	484	0.0	127	0.0	1500	484	0	127	0.53	0	70.1	66.9	43.6	38.2	38.2

----- 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	0.0551
MAIN ROUTE WITH WORKS	0.0482
DIVERSION	0.2092

PIA: Personal Injury Accidents

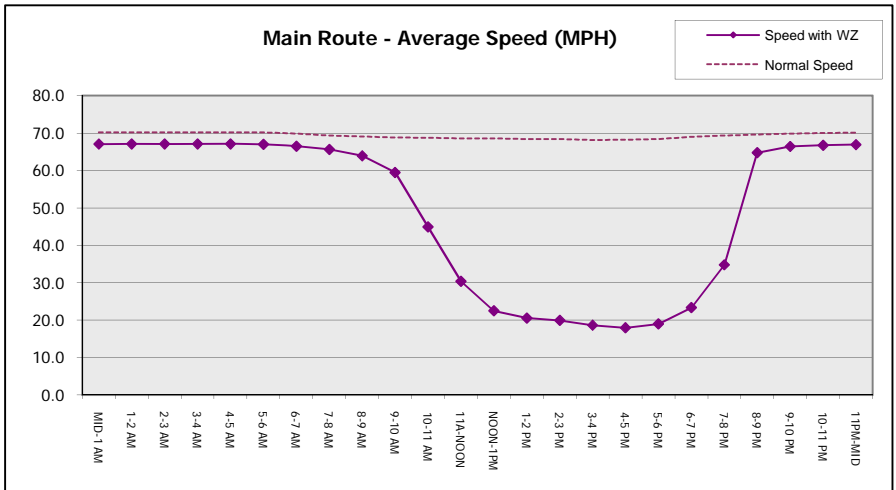
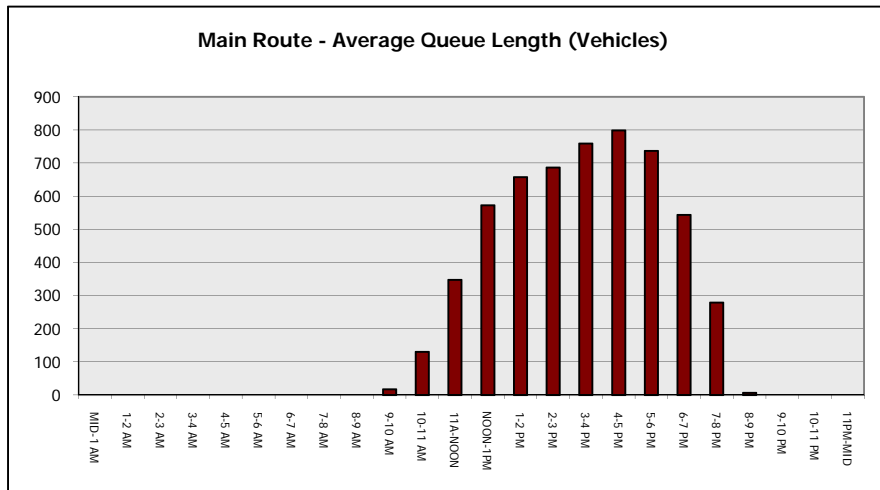
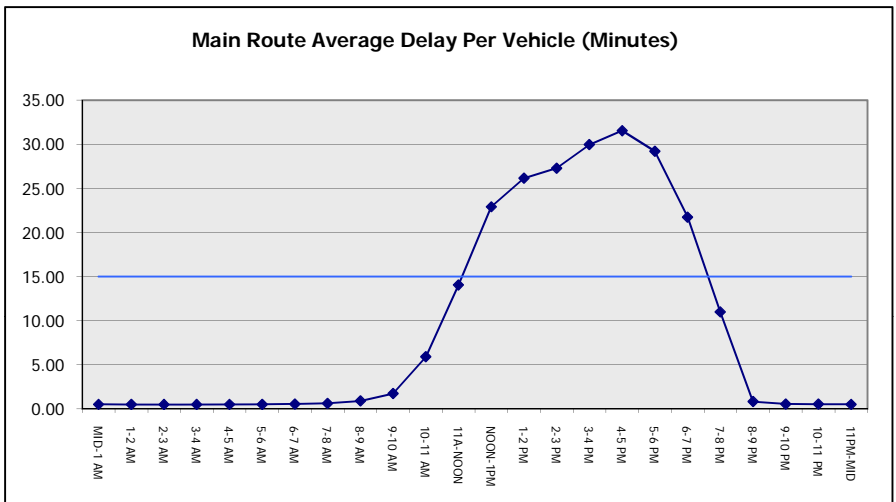
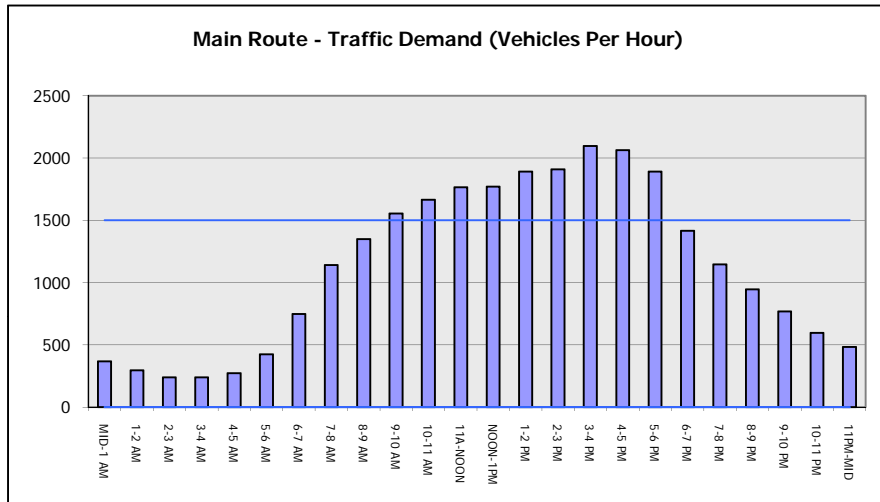
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$98,885
CONGESTED HOURS PER DAY*	7

*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

AUGUST
 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	AUGUST
	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	323	0.0	85	0.0	1500	323	0	85	0.51	0	70.2	67.0	44.2	38.7	38.7
1-2 AM	258	0.0	68	0.0	1500	258	0	68	0.50	0	70.2	67.1	44.5	38.9	38.9
2-3 AM	248	0.0	65	0.0	1500	248	0	65	0.50	0	70.2	67.1	44.5	38.9	38.9
3-4 AM	273	0.0	71	0.0	1500	273	0	71	0.51	0	70.2	67.1	44.4	38.9	38.9
4-5 AM	372	0.0	98	0.0	1500	372	0	98	0.52	0	70.2	67.0	44.0	38.5	38.5
5-6 AM	695	0.0	182	0.0	1500	695	0	182	0.55	0	69.9	66.5	42.8	37.5	37.5
6-7 AM	1038	0.0	272	0.0	1500	1038	0	272	0.59	0	69.4	65.9	41.5	36.4	36.4
7-8 AM	1167	0.0	307	0.0	1500	1167	0	307	0.66	0	69.3	65.4	39.6	36.0	36.0
8-9 AM	1145	0.0	300	0.0	1500	1145	0	300	0.64	0	69.3	65.6	40.3	36.0	36.0
9-10 AM	1350	0.0	355	0.0	1499	1350	0	355	0.90	0	69.1	63.8	34.2	35.3	35.3
10-11 AM	1596	0.0	419	0.0	1499	1596	0	419	2.35	34	68.7	56.8	30.8	34.5	34.5
11A-NOON	1778	0.0	467	0.0	1500	1778	0	467	9.42	229	68.5	37.2	30.8	34.0	34.0
NOON-1PM	1783	0.0	468	0.0	1499	1732	50	518	20.04	502	68.5	24.6	30.8	33.9	33.3
1-2 PM	1890	0.0	496	0.0	1499	1579	311	807	25.90	651	68.4	20.7	30.8	33.6	29.7
2-3 PM	1962	0.0	515	0.0	1499	1540	422	937	28.01	707	68.3	19.6	30.8	33.3	28.1
3-4 PM	1984	0.0	521	0.0	1499	1514	470	991	28.97	732	68.2	19.1	30.8	33.3	27.4
4-5 PM	1996	0.0	524	0.0	1500	1501	495	1019	29.49	745	68.2	18.8	30.8	33.2	27.1
5-6 PM	1814	0.0	476	0.0	1499	1394	420	897	27.36	690	68.5	19.9	30.8	33.8	28.6
6-7 PM	1495	0.0	392	0.0	1499	1354	141	533	22.11	552	68.9	23.1	30.8	34.9	33.1
7-8 PM	1251	0.0	329	0.0	1499	1251	0	329	15.25	376	69.2	29.1	30.8	35.6	35.6
8-9 PM	1033	0.0	271	0.0	1499	1033	0	271	2.73	67	69.4	55.7	38.9	36.4	36.4
9-10 PM	851	0.0	224	0.0	1500	851	0	224	0.57	0	69.7	66.3	42.2	36.9	36.9
10-11 PM	648	0.0	171	0.0	1500	648	0	171	0.55	0	69.9	66.6	43.0	37.6	37.6
11PM-MID	455	0.0	119	0.0	1500	455	0	119	0.53	0	70.2	66.9	43.7	38.3	38.3

----- 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	0.0558
MAIN ROUTE WITH WORKS	0.0495
DIVERSION	0.2054

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$92,999
CONGESTED HOURS PER DAY*	8

*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
MON-THUR EASTBOUND DIRECTION

