

**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

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	475	0.0	125	0.0	1500	475	0	125	0.53	0	70.2	66.9	43.6	38.2	38.2
1-2 AM	373	0.0	98	0.0	1500	373	0	98	0.52	0	70.2	67.0	44.0	38.5	38.5
2-3 AM	312	0.0	82	0.0	1500	312	0	82	0.51	0	70.2	67.1	44.2	38.8	38.8
3-4 AM	289	0.0	75	0.0	1500	289	0	75	0.51	0	70.2	67.1	44.3	38.8	38.8
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	500	0.0	131	0.0	1500	500	0	131	0.53	0	70.1	66.9	43.5	38.1	38.1
6-7 AM	873	0.0	229	0.0	1500	873	0	229	0.57	0	69.7	66.2	42.1	36.9	36.9
7-8 AM	1325	0.0	347	0.0	1499	1325	0	347	0.87	0	69.1	64.1	35.1	35.5	35.5
8-9 AM	1758	0.0	461	0.0	1499	1758	0	461	4.48	100	68.6	48.9	30.8	34.0	34.0
9-10 AM	2259	0.0	593	0.0	1500	2084	175	768	21.62	572	67.9	23.3	30.8	32.4	30.2
10-11 AM	2618	0.0	687	0.0	1500	1845	773	1460+	39.69	1021	67.5	15.0	30.8	31.2	21.6
11A-NOON	2801	0.0	736	0.0	1500	1501	1300	2036+	47.81	1229	67.3	13.0	30.8	30.6	18.6
NOON-1PM	2936	0.0	770	0.0	1500	1501	1435	2205+	47.78	1229	67.1	13.0	30.8	30.2	18.6
1-2 PM	2949	0.0	774	0.0	1500	1501	1448	2223+	47.78	1229	67.1	13.0	30.8	30.1	18.6
2-3 PM	3303	0.0	866	0.0	1500	1501	1802	2668+	47.70	1229	66.6	13.0	30.8	29.0	18.6
3-4 PM	3655	0.0	960	0.0	1500	1501	2154	3113+	47.57	1229	65.9	13.0	30.8	27.8	18.6
4-5 PM	3580	0.0	940	0.0	1500	1501	2079	3018+	47.64	1229	66.3	13.0	30.8	28.1	18.6
5-6 PM	3520	0.0	924	0.0	1500	1501	2019	2943+	47.65	1229	66.4	13.0	30.8	28.3	18.6
6-7 PM	3613	0.0	948	0.0	1500	1501	2112	3060+	47.62	1229	66.2	13.0	30.8	27.9	18.6
7-8 PM	2864	0.0	751	0.0	1500	1500	1364	2116+	47.78	1229	67.2	13.0	30.8	30.4	18.6
8-9 PM	2225	0.0	584	0.0	1500	1255	970	1554+	42.69	1095	67.9	14.2	30.8	32.5	20.4
9-10 PM	1785	0.0	469	0.0	1500	1174	611	1080	30.70	783	68.5	18.3	30.8	33.9	26.3
10-11 PM	1283	0.0	337	0.0	1499	1204	80	416	19.09	478	69.1	25.4	30.8	35.6	34.6
11PM-MID	897	0.0	235	0.0	1499	897	0	235	3.63	104	69.6	52.4	39.5	36.8	36.8

+ 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	0.0948
MAIN ROUTE WITH WORKS	0.0556
DIVERSION	0.6599

PIA: Personal Injury Accidents

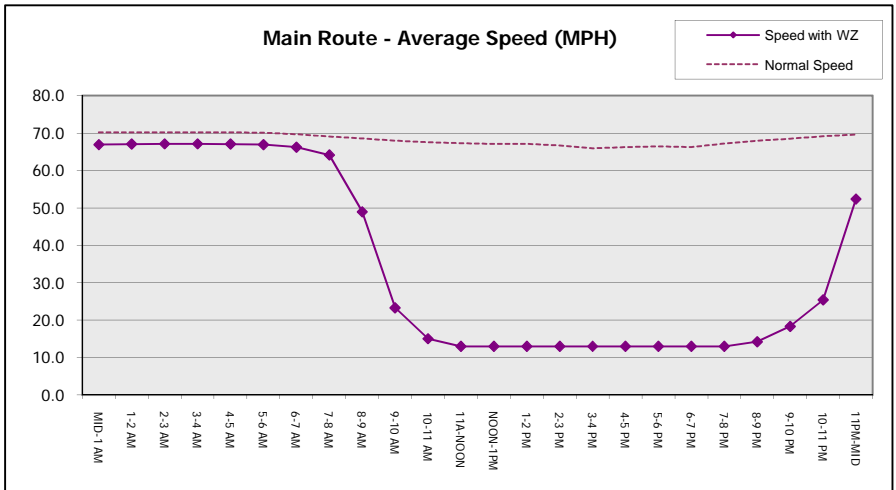
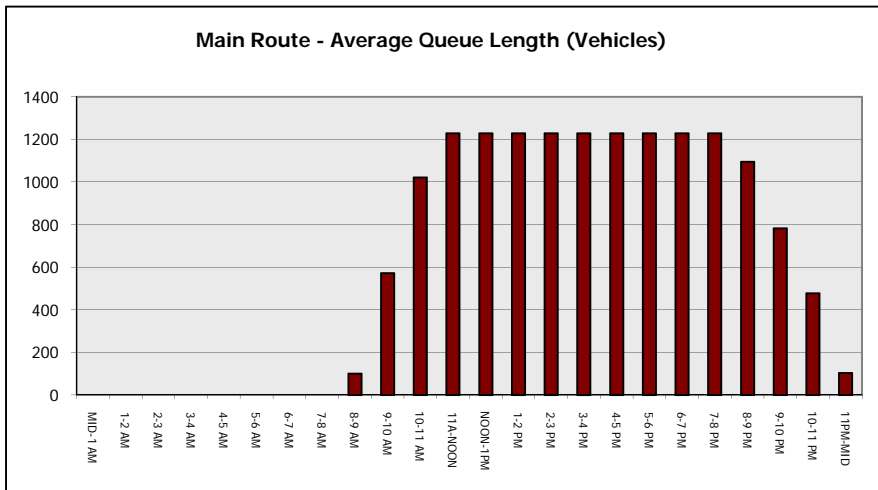
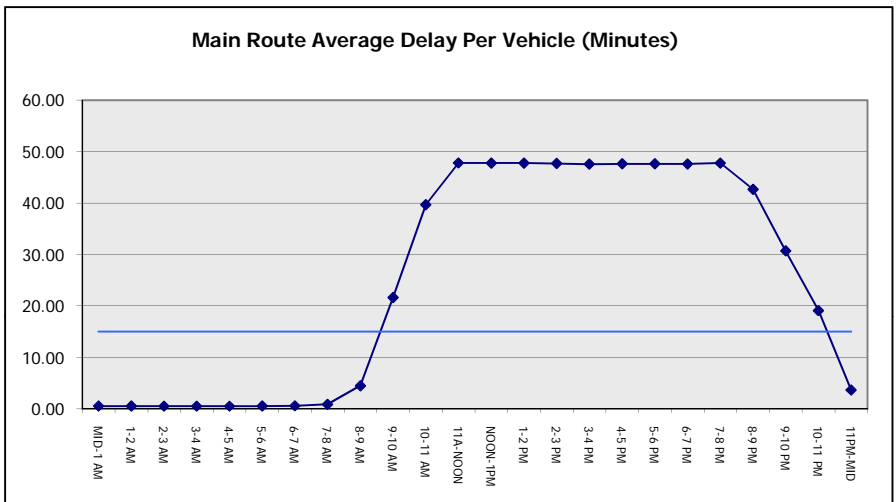
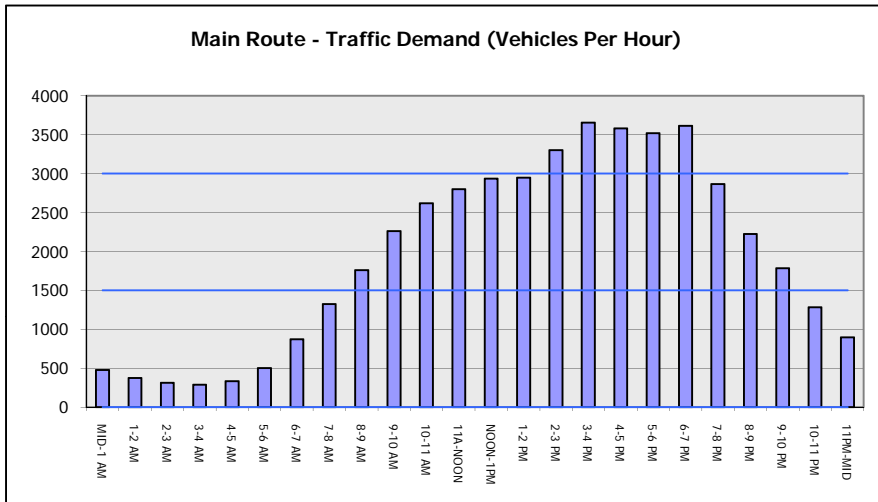
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$467,307
CONGESTED HOURS PER DAY*	14

*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
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	AUGUST
	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	348	0.0	91	0.0	1500	348	0	91	0.52	0	70.2	67.0	44.1	38.6	38.6
1-2 AM	306	0.0	81	0.0	1500	306	0	81	0.51	0	70.2	67.1	44.3	38.8	38.8
2-3 AM	270	0.0	71	0.0	1500	270	0	71	0.51	0	70.2	67.1	44.4	38.9	38.9
3-4 AM	293	0.0	77	0.0	1500	293	0	77	0.51	0	70.2	67.1	44.3	38.8	38.8
4-5 AM	368	0.0	96	0.0	1500	368	0	96	0.52	0	70.2	67.0	44.0	38.6	38.6
5-6 AM	642	0.0	168	0.0	1500	642	0	168	0.55	0	69.9	66.6	43.0	37.6	37.6
6-7 AM	967	0.0	254	0.0	1500	967	0	254	0.58	0	69.6	66.0	41.8	36.6	36.6
7-8 AM	1095	0.0	288	0.0	1500	1095	0	288	0.60	0	69.4	65.8	41.4	36.1	36.1
8-9 AM	1143	0.0	300	0.0	1500	1143	0	300	0.63	0	69.3	65.6	40.4	36.0	36.0
9-10 AM	1392	0.0	365	0.0	1499	1392	0	365	0.96	0	69.0	63.5	33.3	35.2	35.2
10-11 AM	1777	0.0	467	0.0	1499	1777	0	467	5.22	120	68.5	46.8	30.8	34.0	34.0
11A-NOON	1971	0.0	517	0.0	1500	1898	73	590	19.24	493	68.3	25.2	30.8	33.3	32.4
NOON-1PM	1991	0.0	522	0.0	1499	1571	420	942	28.09	709	68.2	19.5	30.8	33.3	28.1
1-2 PM	2254	0.0	591	0.0	1500	1671	584	1175	32.56	829	67.9	17.5	30.8	32.4	25.2
2-3 PM	2524	0.0	662	0.0	1499	1710	814	1476+	40.19	1030	67.6	14.9	30.8	31.5	21.4
3-4 PM	2461	0.0	647	0.0	1499	1506	956	1602+	44.26	1134	67.7	13.8	30.8	31.7	19.9
4-5 PM	2411	0.0	633	0.0	1499	1458	952	1585+	43.69	1119	67.8	14.0	30.8	31.9	20.1
5-6 PM	2194	0.0	576	0.0	1499	1321	872	1448+	39.41	1008	68.0	15.2	30.8	32.6	21.7
6-7 PM	1880	0.0	494	0.0	1499	1269	611	1105	31.18	792	68.4	18.1	30.8	33.6	26.0
7-8 PM	1624	0.0	427	0.0	1499	1365	260	687	24.17	606	68.7	21.7	30.8	34.5	31.2
8-9 PM	1432	0.0	376	0.0	1500	1401	30	406	20.26	502	68.9	24.5	30.8	35.1	34.7
9-10 PM	1184	0.0	311	0.0	1499	1184	0	311	12.26	307	69.2	32.9	32.0	35.9	35.9
10-11 PM	900	0.0	236	0.0	1500	900	0	237	1.11	16	69.6	63.3	41.9	36.8	36.8
11PM-MID	611	0.0	160	0.0	1500	611	0	160	0.54	0	70.0	66.6	43.1	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	0.0653
MAIN ROUTE WITH WORKS	0.0522
DIVERSION	0.3022

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$195,537
CONGESTED HOURS PER DAY*	10

*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
FRIDAY EASTBOUND DIRECTION

