

**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
SUNDAY 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	218	0.0	58	0.0	1500	218	0	58	0.50	0	70.2	67.1	44.6	39.0	39.0
1-2 AM	166	0.0	44	0.0	1500	166	0	44	0.49	0	70.2	67.1	44.8	39.2	39.2
2-3 AM	118	0.0	31	0.0	1500	118	0	31	0.49	0	70.2	67.2	45.0	39.4	39.4
3-4 AM	114	0.0	30	0.0	1500	114	0	30	0.49	0	70.2	67.2	45.0	39.4	39.4
4-5 AM	116	0.0	30	0.0	1500	116	0	30	0.49	0	70.2	67.2	45.0	39.4	39.4
5-6 AM	182	0.0	48	0.0	1500	182	0	48	0.49	0	70.2	67.1	44.8	39.1	39.1
6-7 AM	271	0.0	71	0.0	1500	271	0	71	0.51	0	70.2	67.1	44.4	38.9	38.9
7-8 AM	492	0.0	129	0.0	1500	492	0	129	0.53	0	70.1	66.9	43.5	38.1	38.1
8-9 AM	808	0.0	212	0.0	1500	808	0	212	0.57	0	69.7	66.3	42.4	37.1	37.1
9-10 AM	1219	0.0	320	0.0	1499	1219	0	320	0.73	0	69.2	65.0	38.1	35.8	35.8
10-11 AM	1612	0.0	424	0.0	1499	1612	0	424	2.36	35	68.7	56.8	30.8	34.5	34.5
11A-NOON	1876	0.0	493	0.0	1500	1876	0	493	11.46	289	68.4	33.8	30.8	33.6	33.6
NOON-1PM	1959	0.0	514	0.0	1499	1722	238	751	25.04	632	68.3	21.2	30.8	33.3	30.4
1-2 PM	2043	0.0	537	0.0	1499	1562	482	1019	29.46	745	68.2	18.9	30.8	33.1	27.1
2-3 PM	2037	0.0	535	0.0	1500	1499	539	1073	30.52	773	68.2	18.4	30.8	33.1	26.4
3-4 PM	1983	0.0	520	0.0	1500	1467	516	1036	29.81	754	68.2	18.7	30.8	33.3	26.9
4-5 PM	1911	0.0	501	0.0	1499	1452	459	960	28.42	717	68.4	19.4	30.8	33.5	27.8
5-6 PM	1682	0.0	442	0.0	1499	1380	302	744	24.98	627	68.6	21.2	30.8	34.3	30.5
6-7 PM	1374	0.0	361	0.0	1499	1332	41	402	19.74	490	69.1	24.8	30.8	35.3	34.8
7-8 PM	1095	0.0	288	0.0	1499	1095	0	288	8.13	216	69.4	40.0	34.7	36.1	36.1
8-9 PM	804	0.0	211	0.0	1500	804	0	211	0.57	0	69.7	66.3	42.4	37.1	37.1
9-10 PM	581	0.0	153	0.0	1500	581	0	153	0.54	0	70.0	66.7	43.2	37.8	37.8
10-11 PM	422	0.0	111	0.0	1500	422	0	111	0.52	0	70.2	66.9	43.8	38.4	38.4
11PM-MID	296	0.0	77	0.0	1500	296	0	77	0.51	0	70.2	67.1	44.3	38.8	38.8

----- 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	0.0476
MAIN ROUTE WITH WORKS	0.0410
DIVERSION	0.1884

PIA: Personal Injury Accidents

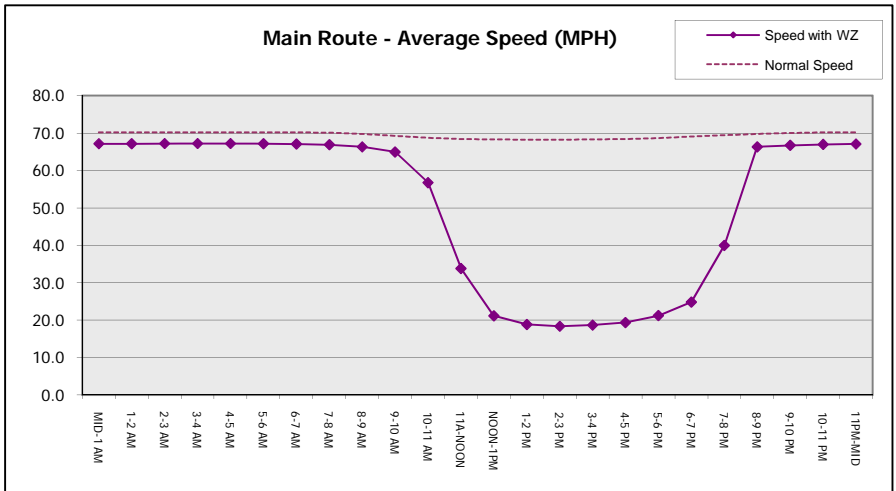
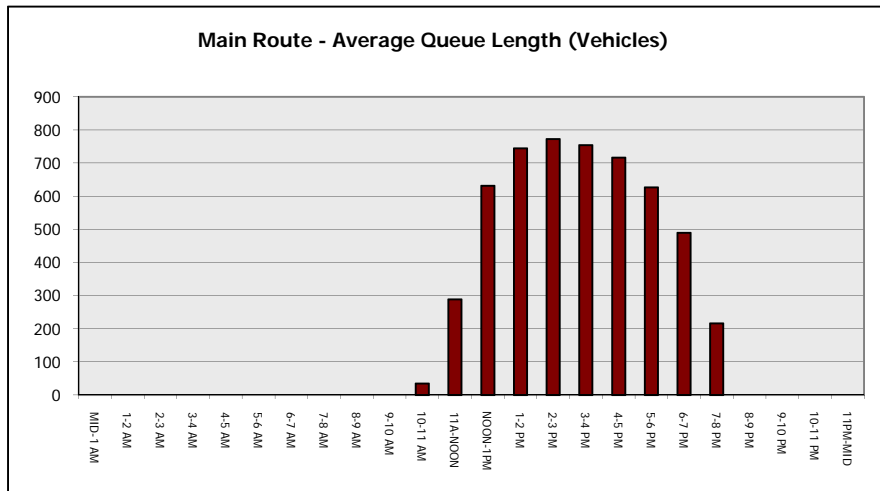
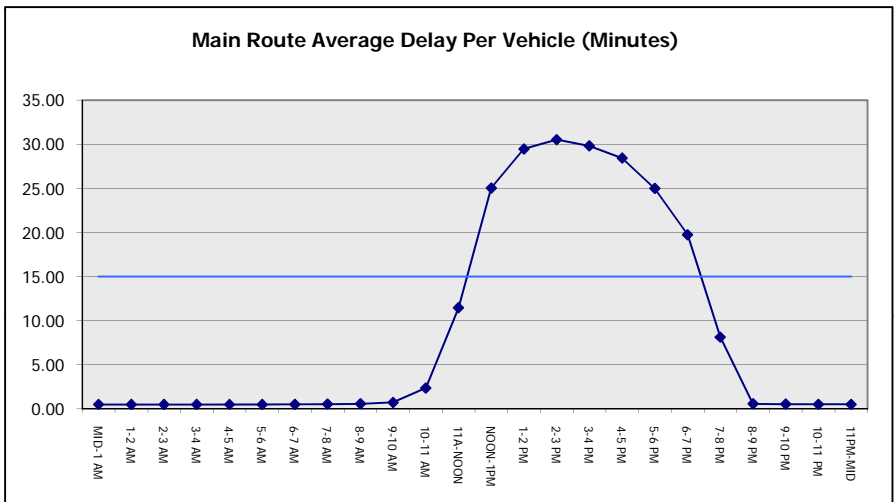
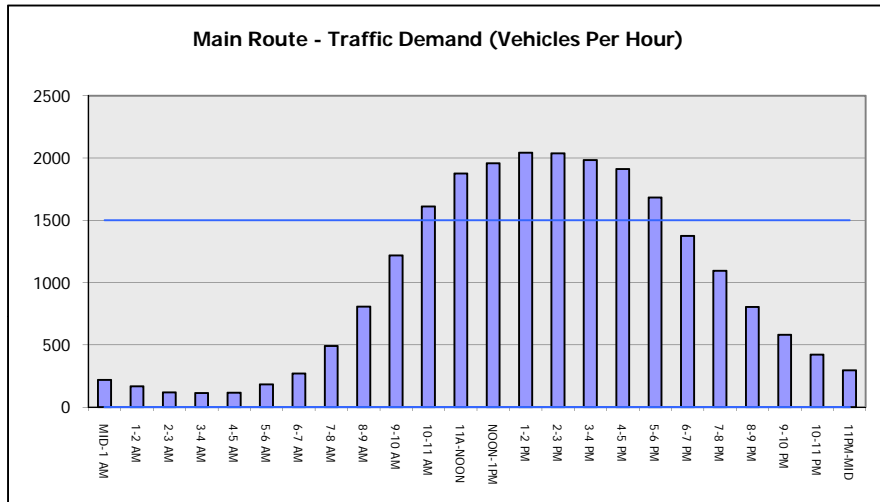
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$126,754
CONGESTED HOURS PER DAY*	7

*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
SUNDAY 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

SUNDAY 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	291	0.0	76	0.0	1500	291	0	76	0.51	0	70.2	67.1	44.3	38.8	38.8
1-2 AM	205	0.0	53	0.0	1500	205	0	53	0.50	0	70.2	67.1	44.6	39.1	39.1
2-3 AM	187	0.0	49	0.0	1500	187	0	49	0.50	0	70.2	67.1	44.7	39.1	39.1
3-4 AM	136	0.0	36	0.0	1500	136	0	36	0.49	0	70.2	67.2	45.0	39.3	39.3
4-5 AM	157	0.0	41	0.0	1500	157	0	41	0.49	0	70.2	67.1	44.8	39.2	39.2
5-6 AM	191	0.0	50	0.0	1500	191	0	50	0.50	0	70.2	67.1	44.7	39.1	39.1
6-7 AM	263	0.0	69	0.0	1500	263	0	69	0.50	0	70.2	67.1	44.4	38.9	38.9
7-8 AM	433	0.0	114	0.0	1500	433	0	114	0.53	0	70.2	66.9	43.8	38.3	38.3
8-9 AM	764	0.0	201	0.0	1500	764	0	201	0.56	0	69.8	66.4	42.5	37.3	37.3
9-10 AM	1409	0.0	370	0.0	1499	1409	0	370	1.31	11	69.0	61.7	34.2	35.1	35.1
10-11 AM	2208	0.0	580	0.0	1500	2185	23	602	12.42	349	68.0	32.4	30.8	32.5	32.3
11A-NOON	2878	0.0	755	0.0	1499	2139	739	1495+	40.67	1060	67.1	14.7	30.8	30.4	21.2
NOON-1PM	3183	0.0	835	0.0	1499	1497	1686	2521+	47.73	1229	66.8	13.0	30.8	29.4	18.6
1-2 PM	3459	0.0	908	0.0	1499	1497	1962	2870+	47.67	1229	66.4	13.0	30.8	28.4	18.6
2-3 PM	3580	0.0	940	0.0	1499	1497	2083	3022+	47.64	1229	66.3	13.0	30.8	28.1	18.6
3-4 PM	3670	0.0	964	0.0	1499	1497	2173	3136+	47.55	1229	65.8	13.0	30.8	27.8	18.6
4-5 PM	3671	0.0	964	0.0	1499	1497	2174	3137+	47.55	1229	65.8	13.0	30.8	27.8	18.6
5-6 PM	3203	0.0	841	0.0	1499	1497	1706	2547+	47.72	1229	66.8	13.0	30.8	29.3	18.6
6-7 PM	2542	0.0	666	0.0	1499	1234	1307	1974+	45.23	1164	67.6	13.5	30.8	31.5	19.5
7-8 PM	1980	0.0	519	0.0	1499	1166	813	1332+	36.32	930	68.2	16.1	30.8	33.3	23.2
8-9 PM	1469	0.0	385	0.0	1499	1207	262	647	23.51	593	68.9	22.2	30.8	35.0	31.7
9-10 PM	952	0.0	250	0.0	1499	952	0	250	7.38	219	69.6	41.7	36.8	36.6	36.6
10-11 PM	596	0.0	156	0.0	1500	596	0	156	0.54	0	70.0	66.7	43.2	37.8	37.8
11PM-MID	377	0.0	99	0.0	1500	377	0	99	0.52	0	70.2	67.0	44.0	38.5	38.5

+ 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	0.0770
MAIN ROUTE WITH WORKS	0.0451
DIVERSION	0.5371

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$442,219
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

OCTOBER
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY EASTBOUND DIRECTION

