

IH 94: IH 39/STH 30 TO STH 73 (DANE COUNTY) NIGHTTIME CLOSURE DIVERSION ROUTE: IH 39 - USH 12 - STH 73	OCTOBER
	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	311	0.0	68	0.0	1500	311	0	68	0.45	0	65.8	62.7	44.2	43.7	43.7
1-2 AM	201	0.0	44	0.0	1500	201	0	44	0.44	0	66.0	63.0	44.6	44.1	44.1
2-3 AM	175	0.0	38	0.0	1500	175	0	38	0.44	0	66.1	63.0	44.8	44.2	44.2
3-4 AM	157	0.0	35	0.0	1500	157	0	35	0.44	0	66.1	63.1	44.8	44.2	44.2
4-5 AM	220	0.0	48	0.0	1500	220	0	48	0.44	0	66.0	62.9	44.6	44.0	44.0
5-6 AM	355	0.0	77	0.0	1500	355	0	77	0.46	0	65.7	62.6	44.1	43.6	43.6
6-7 AM	712	0.0	155	0.0	1500	712	0	155	0.49	0	65.1	61.8	42.7	42.5	42.5
7-8 AM	1763	0.0	385	0.0	1499	1763	0	385	3.07	73	63.1	47.8	31.4	39.2	39.2
8-9 AM	3312	0.0	722	0.0	OFF	3312	0	722	1.64	62	52.6	46.0	46.0	34.4	34.4
9-10 AM	2952	0.0	644	0.0	OFF	2952	0	644	0.00	0	56.3	56.3	56.3	35.5	35.5
10-11 AM	2226	0.0	486	0.0	OFF	2226	0	486	0.00	0	62.2	62.2	62.2	37.8	37.8
11A-NOON	1844	0.0	402	0.0	OFF	1844	0	402	0.00	0	63.0	63.0	63.0	39.0	39.0
NOON-1PM	1738	0.0	379	0.0	OFF	1738	0	379	0.00	0	63.2	63.2	63.2	39.3	39.3
1-2 PM	1684	0.0	367	0.0	OFF	1684	0	367	0.00	0	63.2	63.2	63.2	39.5	39.5
2-3 PM	1620	0.0	354	0.0	OFF	1620	0	354	0.00	0	63.3	63.3	63.3	39.7	39.7
3-4 PM	1642	0.0	358	0.0	OFF	1642	0	358	0.00	0	63.3	63.3	63.3	39.6	39.6
4-5 PM	1622	0.0	354	0.0	OFF	1622	0	354	0.00	0	63.3	63.3	63.3	39.7	39.7
5-6 PM	1417	0.0	309	0.0	OFF	1417	0	309	0.00	0	63.7	63.7	63.7	40.3	40.3
6-7 PM	1102	0.0	241	0.0	1500	1102	0	241	0.53	0	64.3	60.9	41.3	41.3	41.3
7-8 PM	899	0.0	196	0.0	1500	899	0	196	0.51	0	64.7	61.4	42.0	41.9	41.9
8-9 PM	813	0.0	178	0.0	1500	813	0	178	0.50	0	64.9	61.5	42.4	42.2	42.2
9-10 PM	676	0.0	148	0.0	1500	676	0	148	0.49	0	65.1	61.9	42.8	42.6	42.6
10-11 PM	585	0.0	128	0.0	1500	585	0	128	0.48	0	65.3	62.1	43.2	42.9	42.9
11PM-MID	456	0.0	99	0.0	1500	456	0	99	0.47	0	65.5	62.4	43.7	43.3	43.3

"OFF" INDICATES NO ROAD WORK (ALL LANES OPEN TO TRAFFIC)

----- 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	0.0458
MAIN ROUTE WITH WORKS	0.0452
DIVERSION	0.0472

PIA: Personal Injury Accidents

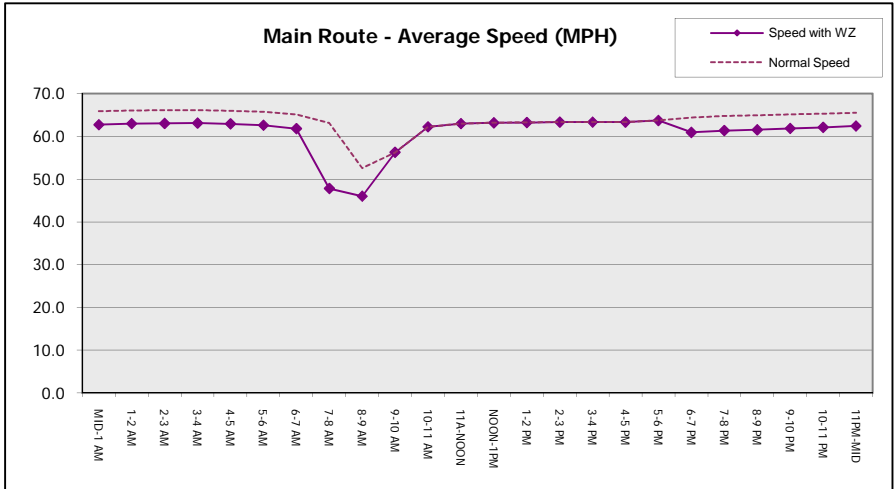
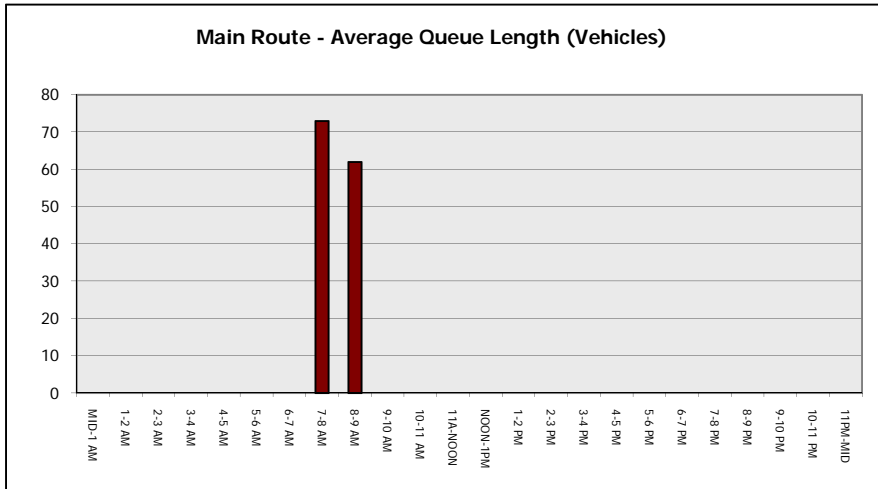
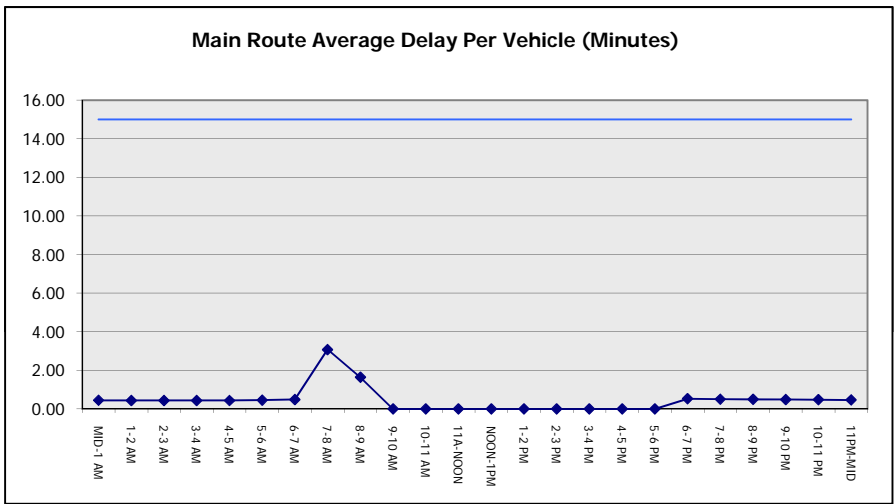
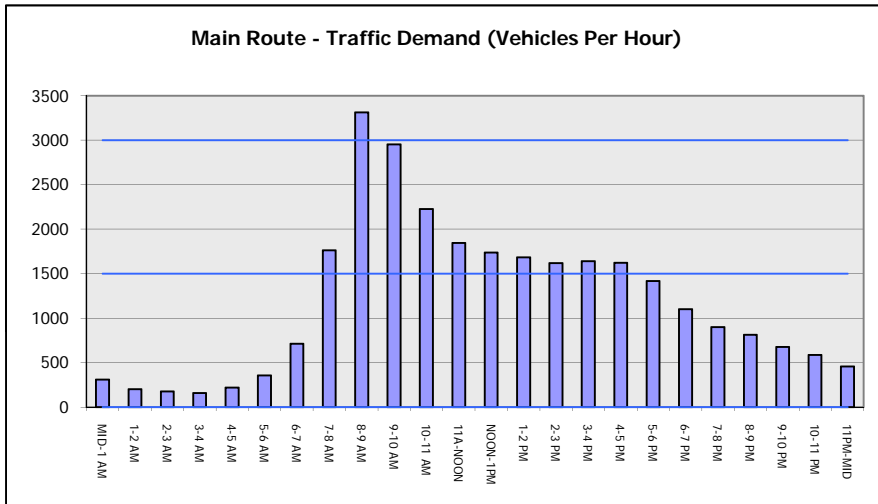
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$3,267
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

**IH 94: IH 39/STH 30 TO STH 73 (DANE COUNTY)
NIGHTTIME CLOSURE
DIVERSION ROUTE: IH 39 - USH 12 - STH 73**

OCTOBER
Analyzed for 2009
Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SATURDAY WESTBOUND DIRECTION



IH 94: IH 39/STH 30 TO STH 73 (DANE COUNTY) NIGHTTIME CLOSURE DIVERSION ROUTE: IH 39 - USH 12 - STH 73	OCTOBER
	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						
	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	232	0.0	50	0.0	1500	232	0	50	0.45	0	66.0	62.9	44.5	44.0	44.0
1-2 AM	142	0.0	31	0.0	1500	142	0	31	0.44	0	66.1	63.1	44.9	44.3	44.3
2-3 AM	117	0.0	25	0.0	1500	117	0	25	0.43	0	66.1	63.2	45.0	44.3	44.3
3-4 AM	146	0.0	31	0.0	1500	146	0	31	0.44	0	66.1	63.1	44.9	44.3	44.3
4-5 AM	158	0.0	35	0.0	1500	158	0	35	0.44	0	66.1	63.1	44.8	44.2	44.2
5-6 AM	269	0.0	59	0.0	1500	269	0	59	0.45	0	65.9	62.8	44.4	43.9	43.9
6-7 AM	356	0.0	77	0.0	1500	356	0	77	0.46	0	65.7	62.6	44.1	43.6	43.6
7-8 AM	572	0.0	125	0.0	1500	572	0	125	0.48	0	65.3	62.1	43.2	42.9	42.9
8-9 AM	878	0.0	191	0.0	OFF	878	0	191	0.00	0	64.8	64.8	64.8	42.0	42.0
9-10 AM	1108	0.0	242	0.0	OFF	1108	0	242	0.00	0	64.3	64.3	64.3	41.3	41.3
10-11 AM	1413	0.0	308	0.0	OFF	1413	0	308	0.00	0	63.8	63.8	63.8	40.3	40.3
11A-NOON	1566	0.0	341	0.0	OFF	1566	0	341	0.00	0	63.5	63.5	63.5	39.9	39.9
NOON-1PM	1606	0.0	351	0.0	OFF	1606	0	351	0.00	0	63.4	63.4	63.4	39.7	39.7
1-2 PM	1704	0.0	371	0.0	OFF	1704	0	371	0.00	0	63.2	63.2	63.2	39.4	39.4
2-3 PM	2179	0.0	475	0.0	OFF	2179	0	475	0.00	0	62.3	62.3	62.3	37.9	37.9
3-4 PM	2833	0.0	617	0.0	OFF	2833	0	617	0.00	0	57.5	57.5	57.5	35.9	35.9
4-5 PM	2886	0.0	630	0.0	OFF	2886	0	630	0.00	0	56.9	56.9	56.9	35.7	35.7
5-6 PM	2342	0.0	511	0.0	OFF	2342	0	511	0.00	0	62.0	62.0	62.0	37.4	37.4
6-7 PM	1835	0.0	401	0.0	1499	1835	0	401	7.68	196	63.0	35.0	30.8	39.0	39.0
7-8 PM	1436	0.0	313	0.0	1499	1436	0	313	13.12	326	63.7	26.8	30.8	40.2	40.2
8-9 PM	1085	0.0	236	0.0	1499	1085	0	236	3.63	102	64.3	46.5	37.4	41.4	41.4
9-10 PM	892	0.0	195	0.0	1500	892	0	195	0.51	0	64.7	61.4	42.0	41.9	41.9
10-11 PM	825	0.0	180	0.0	1500	825	0	180	0.50	0	64.8	61.5	42.3	42.2	42.2
11PM-MID	441	0.0	96	0.0	1500	441	0	96	0.47	0	65.6	62.4	43.7	43.3	43.3

"OFF" INDICATES NO ROAD WORK (ALL LANES OPEN TO TRAFFIC)

----- 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	0.0434
MAIN ROUTE WITH WORKS	0.0429
DIVERSION	0.0447

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$9,002
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

**IH 94: IH 39/STH 30 TO STH 73 (DANE COUNTY)
 NIGHTTIME CLOSURE
 DIVERSION ROUTE: IH 39 - USH 12 - STH 73**

OCTOBER
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 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SATURDAY EASTBOUND DIRECTION

