

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

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	211	0.0	46	0.0	1500	211	0	46	0.44	0	66.0	63.0	44.6	44.0	44.0
1-2 AM	155	0.0	33	0.0	1500	155	0	33	0.44	0	66.1	63.1	44.8	44.2	44.2
2-3 AM	145	0.0	31	0.0	1500	145	0	31	0.44	0	66.1	63.1	44.9	44.3	44.3
3-4 AM	133	0.0	29	0.0	1500	133	0	29	0.44	0	66.1	63.2	45.0	44.3	44.3
4-5 AM	248	0.0	54	0.0	1500	248	0	54	0.45	0	66.0	62.8	44.5	44.0	44.0
5-6 AM	491	0.0	107	0.0	OFF	491	0	107	0.00	0	65.5	65.5	65.5	43.2	43.2
6-7 AM	1098	0.0	240	0.0	OFF	1098	0	240	0.00	0	64.3	64.3	64.3	41.3	41.3
7-8 AM	1563	0.0	341	0.0	OFF	1563	0	341	0.00	0	63.5	63.5	63.5	39.9	39.9
8-9 AM	1670	0.0	364	0.0	OFF	1670	0	364	0.00	0	63.3	63.3	63.3	39.5	39.5
9-10 AM	1794	0.0	391	0.0	OFF	1794	0	391	0.00	0	63.0	63.0	63.0	39.1	39.1
10-11 AM	1862	0.0	406	0.0	OFF	1862	0	406	0.00	0	62.9	62.9	62.9	38.9	38.9
11A-NOON	1898	0.0	414	0.0	OFF	1898	0	414	0.00	0	62.8	62.8	62.8	38.8	38.8
NOON-1PM	1958	0.0	427	0.0	OFF	1958	0	427	0.00	0	62.7	62.7	62.7	38.6	38.6
1-2 PM	2190	0.0	478	0.0	OFF	2190	0	478	0.00	0	62.3	62.3	62.3	37.9	37.9
2-3 PM	2321	0.0	506	0.0	OFF	2321	0	506	0.00	0	62.0	62.0	62.0	37.5	37.5
3-4 PM	2566	0.0	560	0.0	OFF	2566	0	560	0.00	0	60.2	60.2	60.2	36.8	36.8
4-5 PM	2778	0.0	606	0.0	OFF	2778	0	606	0.00	0	58.1	58.1	58.1	36.1	36.1
5-6 PM	2634	0.0	574	0.0	OFF	2634	0	574	0.00	0	59.5	59.5	59.5	36.5	36.5
6-7 PM	2828	0.0	617	0.0	OFF	2828	0	617	0.00	0	57.5	57.5	57.5	35.9	35.9
7-8 PM	1835	0.0	401	0.0	1499	1835	0	401	8.69	222	63.0	33.1	30.8	39.0	39.0
8-9 PM	1089	0.0	238	0.0	1499	1089	0	238	5.74	166	64.3	40.0	36.0	41.4	41.4
9-10 PM	849	0.0	185	0.0	1500	849	0	185	0.50	0	64.8	61.5	42.2	42.1	42.1
10-11 PM	681	0.0	149	0.0	1500	681	0	149	0.49	0	65.1	61.9	42.8	42.6	42.6
11PM-MID	472	0.0	103	0.0	1500	472	0	103	0.47	0	65.5	62.3	43.6	43.2	43.2

"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	0.0538
MAIN ROUTE WITH WORKS	0.0534
DIVERSION	0.0554

PIA: Personal Injury Accidents

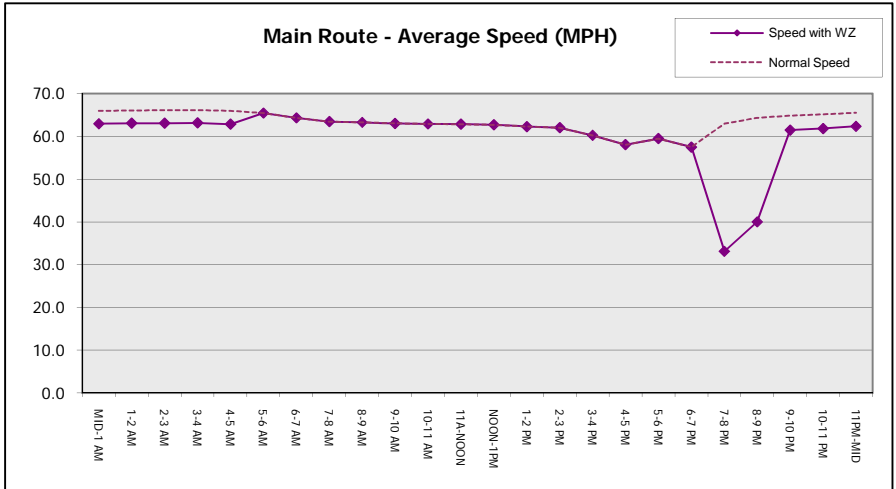
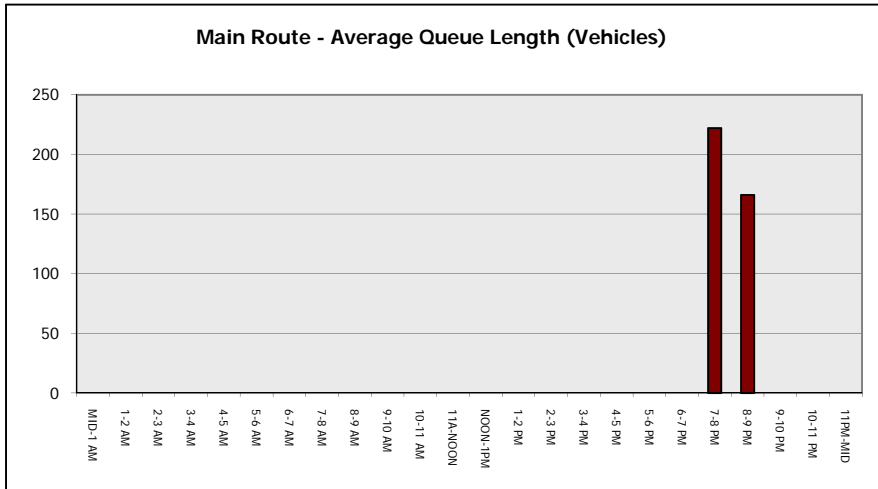
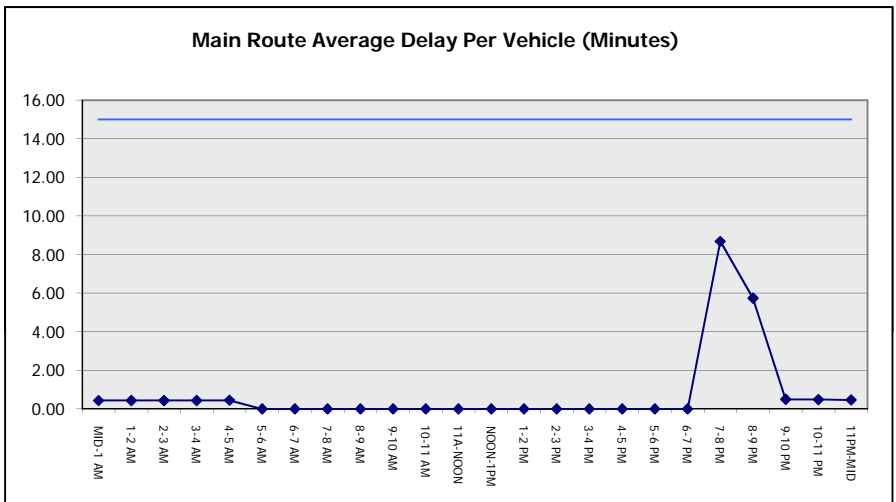
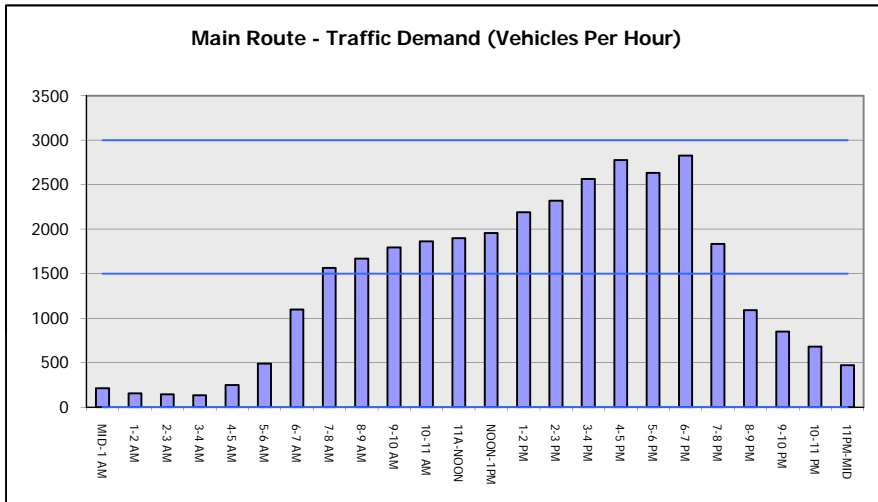
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$5,589
CONGESTED HOURS PER DAY*	0

*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
FRIDAY 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

FRIDAY 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	168	0.0	37	0.0	1500	168	0	37	0.44	0	66.1	63.0	44.8	44.2	44.2
1-2 AM	131	0.0	28	0.0	1500	131	0	28	0.44	0	66.1	63.2	45.0	44.3	44.3
2-3 AM	113	0.0	25	0.0	1500	113	0	25	0.43	0	66.2	63.2	45.0	44.3	44.3
3-4 AM	165	0.0	36	0.0	1500	165	0	36	0.44	0	66.1	63.0	44.8	44.2	44.2
4-5 AM	268	0.0	59	0.0	1500	268	0	59	0.45	0	65.9	62.8	44.4	43.9	43.9
5-6 AM	582	0.0	127	0.0	OFF	582	0	127	0.00	0	65.3	65.3	65.3	42.9	42.9
6-7 AM	1024	0.0	224	0.0	OFF	1024	0	224	0.00	0	64.5	64.5	64.5	41.5	41.5
7-8 AM	1309	0.0	286	0.0	OFF	1309	0	286	0.00	0	64.0	64.0	64.0	40.6	40.6
8-9 AM	1136	0.0	248	0.0	OFF	1136	0	248	0.00	0	64.3	64.3	64.3	41.2	41.2
9-10 AM	1088	0.0	238	0.0	OFF	1088	0	238	0.00	0	64.3	64.3	64.3	41.4	41.4
10-11 AM	1172	0.0	255	0.0	OFF	1172	0	255	0.00	0	64.2	64.2	64.2	41.0	41.0
11A-NOON	1311	0.0	286	0.0	OFF	1311	0	286	0.00	0	64.0	64.0	64.0	40.6	40.6
NOON-1PM	1472	0.0	321	0.0	OFF	1472	0	321	0.00	0	63.7	63.7	63.7	40.1	40.1
1-2 PM	1716	0.0	375	0.0	OFF	1716	0	375	0.00	0	63.2	63.2	63.2	39.4	39.4
2-3 PM	2013	0.0	439	0.0	OFF	2013	0	439	0.00	0	62.7	62.7	62.7	38.4	38.4
3-4 PM	2217	0.0	483	0.0	OFF	2217	0	483	0.00	0	62.2	62.2	62.2	37.8	37.8
4-5 PM	2376	0.0	519	0.0	OFF	2376	0	519	0.00	0	62.0	62.0	62.0	37.3	37.3
5-6 PM	2209	0.0	482	0.0	OFF	2209	0	482	0.00	0	62.3	62.3	62.3	37.8	37.8
6-7 PM	1717	0.0	375	0.0	OFF	1717	0	375	0.00	0	63.2	63.2	63.2	39.4	39.4
7-8 PM	1276	0.0	278	0.0	1500	1276	0	278	0.73	0	64.0	59.4	36.2	40.7	40.7
8-9 PM	954	0.0	208	0.0	1500	954	0	208	0.51	0	64.6	61.2	41.9	41.7	41.7
9-10 PM	641	0.0	140	0.0	1500	641	0	140	0.48	0	65.2	62.0	43.0	42.7	42.7
10-11 PM	711	0.0	155	0.0	1500	711	0	155	0.49	0	65.1	61.8	42.7	42.5	42.5
11PM-MID	574	0.0	126	0.0	1500	574	0	126	0.48	0	65.3	62.1	43.2	42.9	42.9

"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	0.0423
MAIN ROUTE WITH WORKS	0.0420
DIVERSION	0.0436

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$646
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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NIGHTTIME CLOSURE
DIVERSION ROUTE: IH 39 - USH 12 - STH 73**

OCTOBER
Analyzed for 2009
Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY EASTBOUND DIRECTION

