

IH 94: IH 39/STH 30 TO STH 73 (DANE COUNTY) NIGHTTIME CLOSURE DIVERSION ROUTE: IH 39 - USH 12 - STH 73	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	230	0.0	50	0.0	1500	230	0	50	0.44	0	66.0	62.9	44.6	44.0	44.0
1-2 AM	161	0.0	36	0.0	1500	161	0	36	0.44	0	66.1	63.1	44.8	44.2	44.2
2-3 AM	144	0.0	31	0.0	1500	144	0	31	0.44	0	66.1	63.1	44.9	44.3	44.3
3-4 AM	132	0.0	28	0.0	1500	132	0	28	0.44	0	66.1	63.2	45.0	44.3	44.3
4-5 AM	218	0.0	47	0.0	1500	218	0	47	0.44	0	66.0	62.9	44.6	44.0	44.0
5-6 AM	464	0.0	101	0.0	OFF	464	0	101	0.00	0	65.5	65.5	65.5	43.3	43.3
6-7 AM	1112	0.0	243	0.0	OFF	1112	0	243	0.00	0	64.3	64.3	64.3	41.2	41.2
7-8 AM	1572	0.0	343	0.0	OFF	1572	0	343	0.00	0	63.5	63.5	63.5	39.8	39.8
8-9 AM	1612	0.0	352	0.0	OFF	1612	0	352	0.00	0	63.4	63.4	63.4	39.7	39.7
9-10 AM	1660	0.0	362	0.0	OFF	1660	0	362	0.00	0	63.3	63.3	63.3	39.6	39.6
10-11 AM	1642	0.0	358	0.0	OFF	1642	0	358	0.00	0	63.3	63.3	63.3	39.6	39.6
11A-NOON	1574	0.0	343	0.0	OFF	1574	0	343	0.00	0	63.5	63.5	63.5	39.8	39.8
NOON-1PM	1491	0.0	325	0.0	OFF	1491	0	325	0.00	0	63.6	63.6	63.6	40.1	40.1
1-2 PM	1495	0.0	326	0.0	OFF	1495	0	326	0.00	0	63.6	63.6	63.6	40.1	40.1
2-3 PM	1519	0.0	332	0.0	OFF	1519	0	332	0.00	0	63.5	63.5	63.5	40.0	40.0
3-4 PM	1673	0.0	365	0.0	OFF	1673	0	365	0.00	0	63.3	63.3	63.3	39.5	39.5
4-5 PM	1869	0.0	408	0.0	OFF	1869	0	408	0.00	0	62.9	62.9	62.9	38.9	38.9
5-6 PM	1825	0.0	399	0.0	OFF	1825	0	399	0.00	0	63.0	63.0	63.0	39.1	39.1
6-7 PM	1382	0.0	301	0.0	OFF	1382	0	301	0.00	0	63.8	63.8	63.8	40.4	40.4
7-8 PM	963	0.0	210	0.0	1500	963	0	210	0.52	0	64.6	61.2	41.8	41.7	41.7
8-9 PM	759	0.0	165	0.0	1500	759	0	165	0.50	0	65.0	61.7	42.5	42.4	42.4
9-10 PM	690	0.0	151	0.0	1500	690	0	151	0.49	0	65.1	61.9	42.8	42.5	42.5
10-11 PM	616	0.0	135	0.0	1500	616	0	135	0.48	0	65.3	62.0	43.1	42.8	42.8
11PM-MID	419	0.0	91	0.0	1500	419	0	91	0.46	0	65.6	62.5	43.8	43.4	43.4

"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	0.0405
MAIN ROUTE WITH WORKS	0.0402
DIVERSION	0.0418

PIA: Personal Injury Accidents

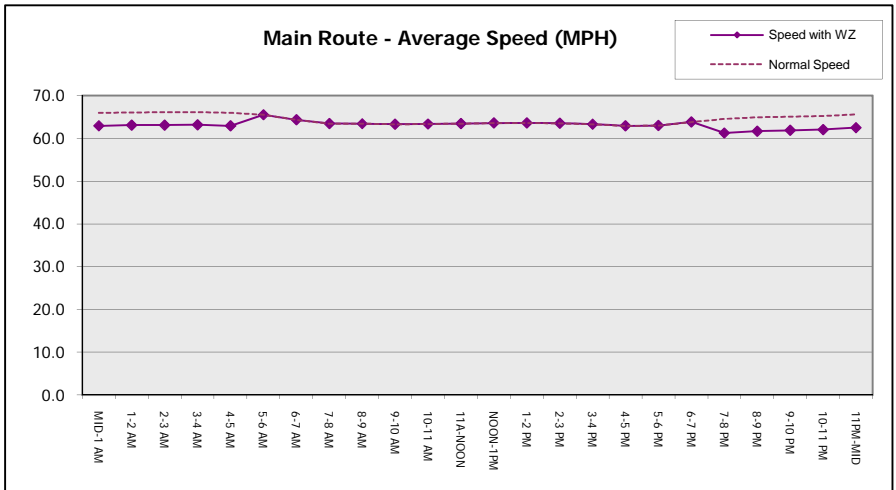
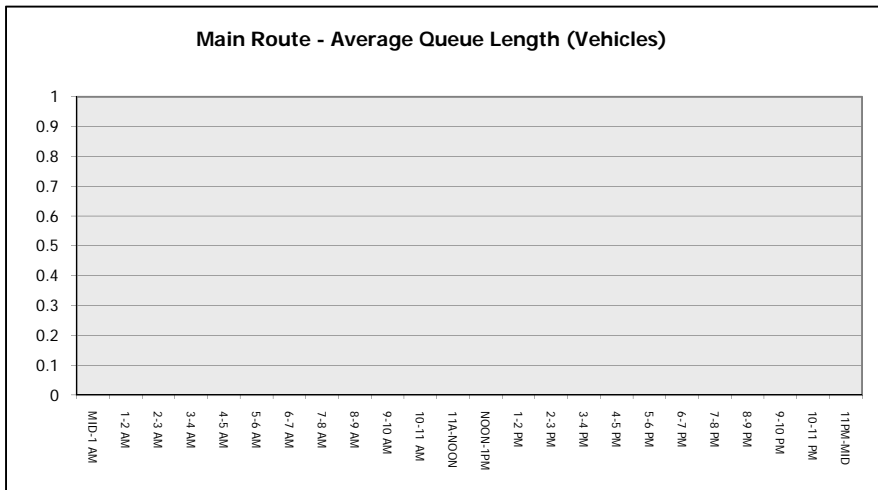
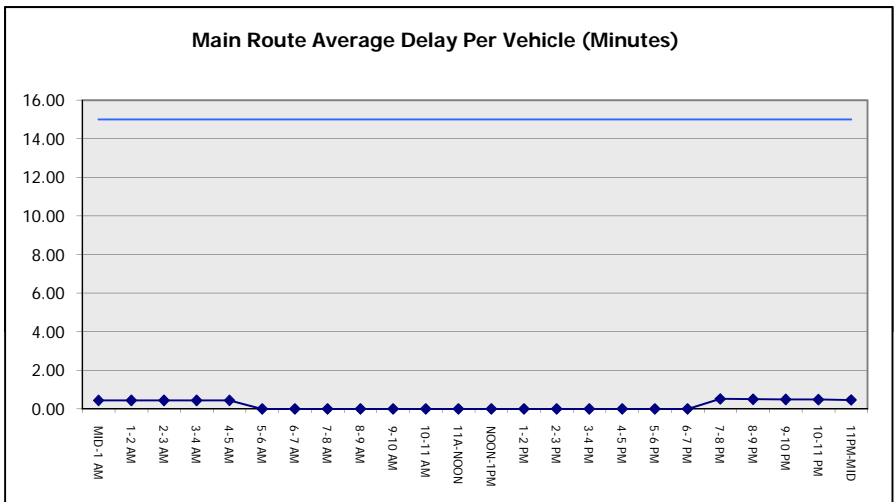
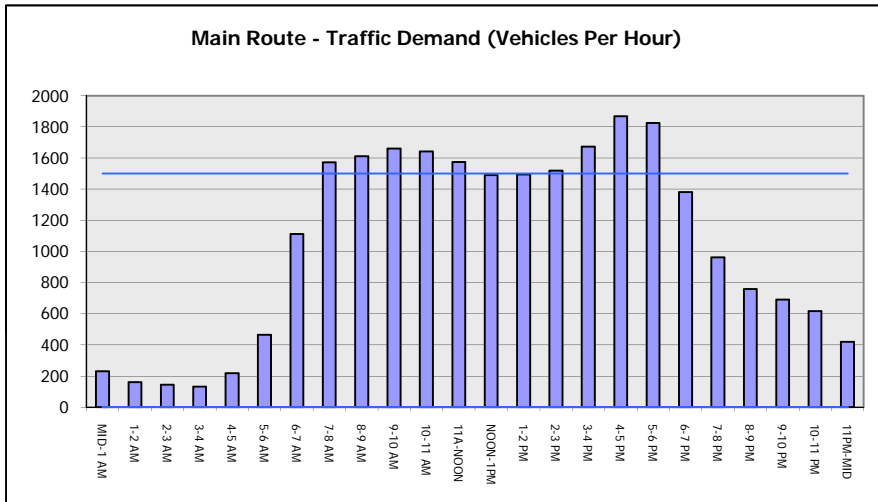
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$433
CONGESTED HOURS PER DAY*	0

*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**

AUGUST
Analyzed for 2009
Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
MON-THUR WESTBOUND DIRECTION



IH 94: IH 39/STH 30 TO STH 73 (DANE COUNTY) NIGHTTIME CLOSURE DIVERSION ROUTE: IH 39 - USH 12 - STH 73	AUGUST
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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	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	146	0.0	31	0.0	1500	146	0	31	0.44	0	66.1	63.1	44.9	44.3	44.3
2-3 AM	123	0.0	27	0.0	1500	123	0	27	0.43	0	66.1	63.2	45.0	44.3	44.3
3-4 AM	155	0.0	33	0.0	1500	155	0	33	0.44	0	66.1	63.1	44.8	44.2	44.2
4-5 AM	293	0.0	64	0.0	1500	293	0	64	0.45	0	65.8	62.8	44.3	43.8	43.8
5-6 AM	642	0.0	140	0.0	OFF	642	0	140	0.00	0	65.2	65.2	65.2	42.7	42.7
6-7 AM	1109	0.0	242	0.0	OFF	1109	0	242	0.00	0	64.3	64.3	64.3	41.3	41.3
7-8 AM	1496	0.0	326	0.0	OFF	1496	0	326	0.00	0	63.6	63.6	63.6	40.1	40.1
8-9 AM	1325	0.0	289	0.0	OFF	1325	0	289	0.00	0	63.9	63.9	63.9	40.6	40.6
9-10 AM	1262	0.0	275	0.0	OFF	1262	0	275	0.00	0	64.0	64.0	64.0	40.8	40.8
10-11 AM	1304	0.0	285	0.0	OFF	1304	0	285	0.00	0	64.0	64.0	64.0	40.7	40.7
11A-NOON	1343	0.0	293	0.0	OFF	1343	0	293	0.00	0	63.9	63.9	63.9	40.6	40.6
NOON-1PM	1384	0.0	302	0.0	OFF	1384	0	302	0.00	0	63.8	63.8	63.8	40.4	40.4
1-2 PM	1524	0.0	333	0.0	OFF	1524	0	333	0.00	0	63.5	63.5	63.5	40.0	40.0
2-3 PM	1682	0.0	367	0.0	OFF	1682	0	367	0.00	0	63.3	63.3	63.3	39.5	39.5
3-4 PM	1857	0.0	405	0.0	OFF	1857	0	405	0.00	0	62.9	62.9	62.9	38.9	38.9
4-5 PM	2020	0.0	440	0.0	OFF	2020	0	440	0.00	0	62.6	62.6	62.6	38.4	38.4
5-6 PM	1903	0.0	415	0.0	OFF	1903	0	415	0.00	0	62.8	62.8	62.8	38.8	38.8
6-7 PM	1434	0.0	313	0.0	OFF	1434	0	313	0.00	0	63.7	63.7	63.7	40.2	40.2
7-8 PM	1073	0.0	234	0.0	1500	1073	0	234	0.53	0	64.4	61.0	41.4	41.4	41.4
8-9 PM	925	0.0	202	0.0	1500	925	0	202	0.51	0	64.6	61.3	41.9	41.9	41.9
9-10 PM	758	0.0	165	0.0	1500	758	0	165	0.50	0	65.0	61.7	42.5	42.4	42.4
10-11 PM	527	0.0	115	0.0	1500	527	0	115	0.47	0	65.4	62.2	43.4	43.1	43.1
11PM-MID	349	0.0	76	0.0	1500	349	0	76	0.46	0	65.8	62.7	44.1	43.6	43.6

"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	0.0399
MAIN ROUTE WITH WORKS	0.0396
DIVERSION	0.0412

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$463
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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

AUGUST
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Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
MON-THUR EASTBOUND DIRECTION

