

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

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	288	0.0	63	0.0	1500	288	0	63	0.45	0	65.8	62.8	44.3	43.8	43.8
1-2 AM	146	0.0	32	0.0	1500	146	0	32	0.44	0	66.1	63.1	44.9	44.3	44.3
2-3 AM	105	0.0	23	0.0	1500	105	0	23	0.43	0	66.2	63.2	45.1	44.4	44.4
3-4 AM	83	0.0	18	0.0	1500	83	0	18	0.43	0	66.3	63.3	45.1	44.5	44.5
4-5 AM	109	0.0	24	0.0	1500	109	0	24	0.43	0	66.2	63.2	45.0	44.3	44.3
5-6 AM	152	0.0	33	0.0	1500	152	0	33	0.44	0	66.1	63.1	44.9	44.2	44.2
6-7 AM	260	0.0	57	0.0	1500	260	0	57	0.45	0	65.9	62.8	44.5	43.9	43.9
7-8 AM	424	0.0	92	0.0	1500	424	0	92	0.46	0	65.6	62.5	43.8	43.4	43.4
8-9 AM	726	0.0	158	0.0	1500	726	0	158	0.49	0	65.0	61.8	42.7	42.5	42.5
9-10 AM	1149	0.0	251	0.0	OFF	1149	0	251	0.00	0	64.3	64.3	64.3	41.1	41.1
10-11 AM	1570	0.0	342	0.0	OFF	1570	0	342	0.00	0	63.5	63.5	63.5	39.9	39.9
11A-NOON	1786	0.0	389	0.0	OFF	1786	0	389	0.00	0	63.0	63.0	63.0	39.2	39.2
NOON-1PM	1809	0.0	394	0.0	OFF	1809	0	394	0.00	0	63.0	63.0	63.0	39.1	39.1
1-2 PM	1824	0.0	398	0.0	OFF	1824	0	398	0.00	0	63.0	63.0	63.0	39.1	39.1
2-3 PM	1771	0.0	386	0.0	OFF	1771	0	386	0.00	0	63.1	63.1	63.1	39.2	39.2
3-4 PM	1732	0.0	378	0.0	OFF	1732	0	378	0.00	0	63.2	63.2	63.2	39.3	39.3
4-5 PM	1826	0.0	399	0.0	OFF	1826	0	399	0.00	0	63.0	63.0	63.0	39.1	39.1
5-6 PM	1674	0.0	365	0.0	OFF	1674	0	365	0.00	0	63.3	63.3	63.3	39.5	39.5
6-7 PM	1378	0.0	300	0.0	OFF	1378	0	300	0.00	0	63.8	63.8	63.8	40.4	40.4
7-8 PM	1163	0.0	253	0.0	1500	1163	0	253	0.59	0	64.2	60.4	39.7	41.1	41.1
8-9 PM	899	0.0	196	0.0	1500	899	0	196	0.51	0	64.7	61.4	42.0	41.9	41.9
9-10 PM	624	0.0	136	0.0	1500	624	0	136	0.48	0	65.2	62.0	43.0	42.8	42.8
10-11 PM	430	0.0	94	0.0	1500	430	0	94	0.46	0	65.6	62.5	43.8	43.3	43.3
11PM-MID	268	0.0	59	0.0	1500	268	0	59	0.45	0	65.9	62.8	44.4	43.9	43.9

"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	0.0357
MAIN ROUTE WITH WORKS	0.0353
DIVERSION	0.0367

PIA: Personal Injury Accidents

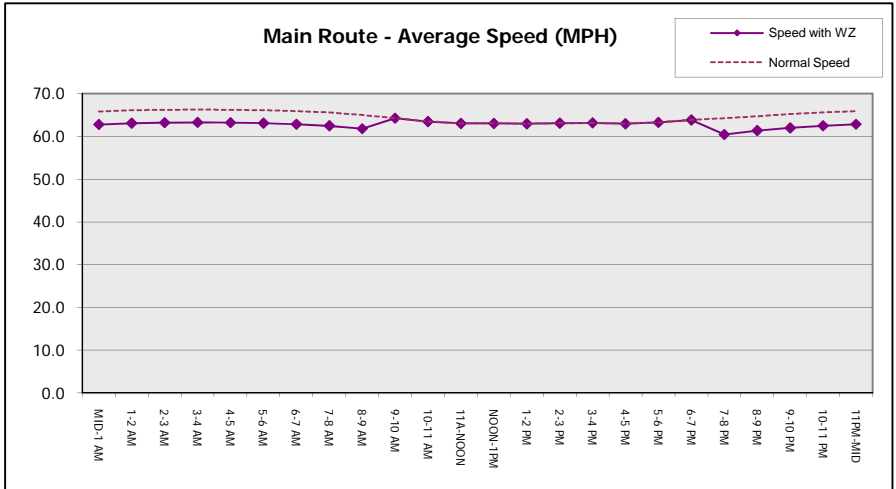
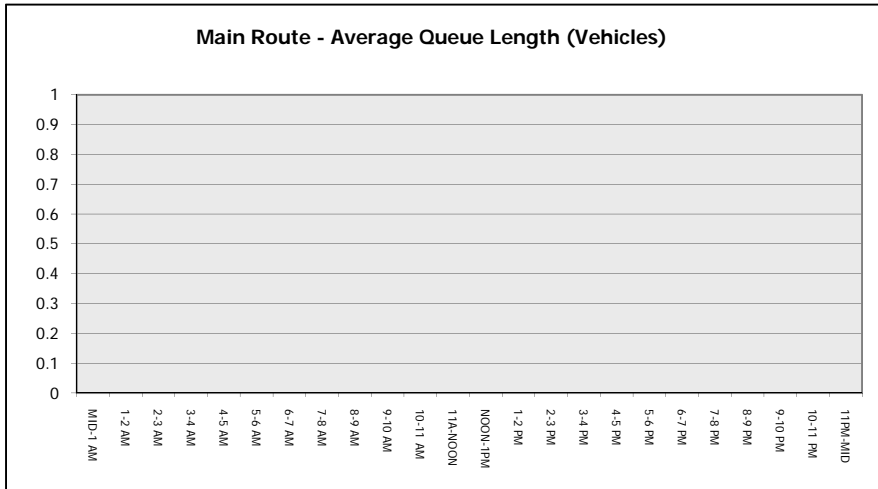
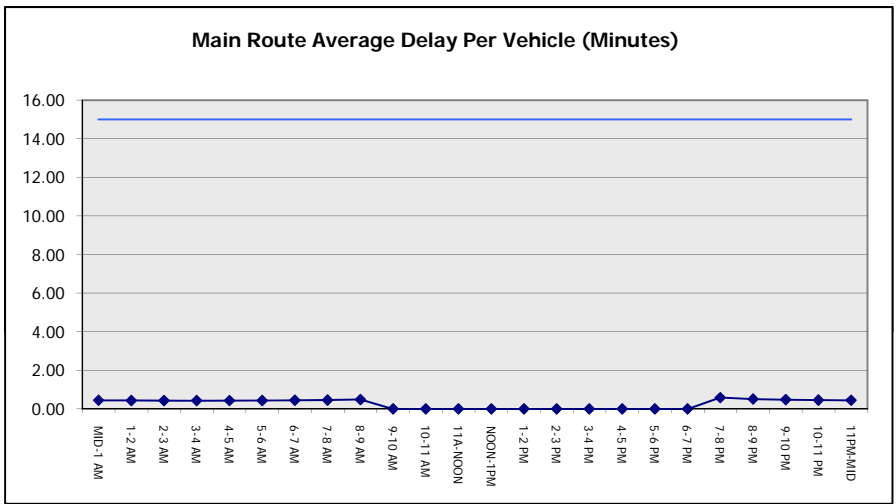
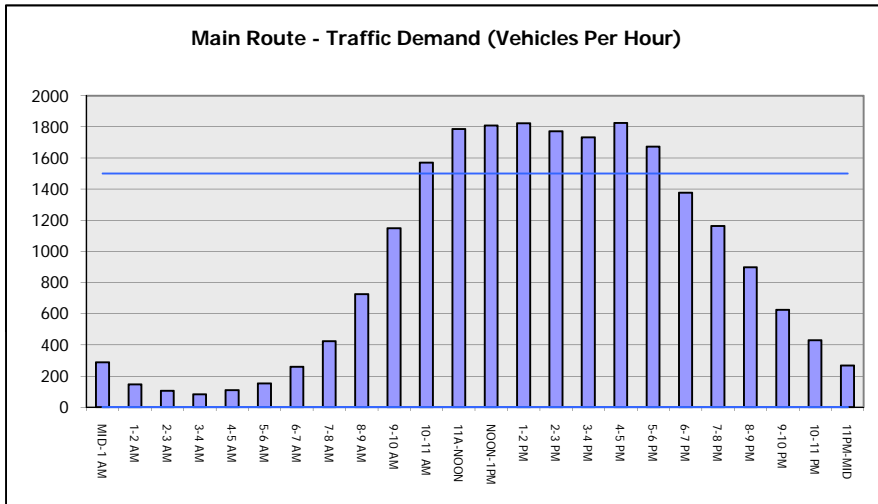
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$765
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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

OCTOBER
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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY WESTBOUND DIRECTION



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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SUMMARY OF TRAFFIC MODEL OUTPUT

SUNDAY 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	254	0.0	55	0.0	1500	254	0	55	0.45	0	65.9	62.8	44.5	43.9	43.9
1-2 AM	178	0.0	39	0.0	1500	178	0	39	0.44	0	66.1	63.0	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	118	0.0	26	0.0	1500	118	0	26	0.43	0	66.1	63.2	45.0	44.3	44.3
4-5 AM	106	0.0	23	0.0	1500	106	0	23	0.43	0	66.2	63.2	45.1	44.4	44.4
5-6 AM	142	0.0	31	0.0	1500	142	0	31	0.44	0	66.1	63.1	44.9	44.3	44.3
6-7 AM	198	0.0	43	0.0	1500	198	0	43	0.44	0	66.0	63.0	44.7	44.1	44.1
7-8 AM	308	0.0	67	0.0	1500	308	0	67	0.45	0	65.8	62.7	44.3	43.8	43.8
8-9 AM	624	0.0	136	0.0	1500	624	0	136	0.48	0	65.2	62.0	43.0	42.8	42.8
9-10 AM	1033	0.0	225	0.0	OFF	1033	0	225	0.00	0	64.5	64.5	64.5	41.5	41.5
10-11 AM	1633	0.0	357	0.0	OFF	1633	0	357	0.00	0	63.3	63.3	63.3	39.6	39.6
11A-NOON	2197	0.0	479	0.0	OFF	2197	0	479	0.00	0	62.3	62.3	62.3	37.9	37.9
NOON-1PM	2435	0.0	532	0.0	OFF	2435	0	532	0.00	0	61.5	61.5	61.5	37.1	37.1
1-2 PM	2490	0.0	543	0.0	OFF	2490	0	543	0.00	0	61.0	61.0	61.0	36.9	36.9
2-3 PM	2550	0.0	557	0.0	OFF	2550	0	557	0.00	0	60.4	60.4	60.4	36.8	36.8
3-4 PM	2785	0.0	607	0.0	OFF	2785	0	607	0.00	0	58.0	58.0	58.0	36.1	36.1
4-5 PM	2997	0.0	654	0.0	OFF	2997	0	654	0.00	0	55.8	55.8	55.8	35.4	35.4
5-6 PM	3202	0.0	699	0.0	OFF	3202	0	699	0.00	0	53.7	53.7	53.7	34.8	34.8
6-7 PM	2549	0.0	557	0.0	OFF	2549	0	557	0.00	0	60.4	60.4	60.4	36.8	36.8
7-8 PM	2015	0.0	439	0.0	1499	2015	0	439	10.50	287	62.7	30.1	30.8	38.4	38.4
8-9 PM	1590	0.0	346	0.0	1499	1532	58	404	22.04	567	63.4	19.2	30.8	39.8	38.9
9-10 PM	1080	0.0	235	0.0	1499	1080	0	235	13.61	366	64.4	26.3	33.3	41.4	41.4
10-11 PM	631	0.0	138	0.0	1500	631	0	138	0.79	10	65.2	60.1	43.0	42.7	42.7
11PM-MID	328	0.0	71	0.0	1500	328	0	71	0.45	0	65.8	62.7	44.2	43.7	43.7

"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	0.0508
MAIN ROUTE WITH WORKS	0.0502
DIVERSION	0.0528

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$19,668
CONGESTED HOURS PER DAY*	1

*Delays Exceeding 15 Minutes

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

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY EASTBOUND DIRECTION

