

IH 39/90: STH 73 TO USH 14 (ROCK AND DANE COUNTIES) NIGHTTIME CLOSURE DIVERSION ROUTE: USH 14 - USH 51	AUGUST
	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	480	0.0	58	0.0	1500	480	0	58	0.47	0	65.5	62.8	43.6	39.0	39.0
1-2 AM	374	0.0	45	0.0	1500	374	0	45	0.46	0	65.7	63.0	44.0	39.2	39.2
2-3 AM	362	0.0	44	0.0	1500	362	0	44	0.46	0	65.7	63.1	44.0	39.2	39.2
3-4 AM	305	0.0	37	0.0	1500	305	0	37	0.45	0	65.8	63.2	44.3	39.3	39.3
4-5 AM	341	0.0	41	0.0	1500	341	0	41	0.46	0	65.8	63.1	44.2	39.2	39.2
5-6 AM	535	0.0	65	0.0	1500	535	0	65	0.47	0	65.4	62.7	43.3	38.9	38.9
6-7 AM	859	0.0	104	0.0	1500	859	0	104	0.51	0	64.8	62.0	42.2	38.4	38.4
7-8 AM	1317	0.0	160	0.0	1499	1317	0	160	0.78	0	64.0	59.7	35.3	37.8	37.8
8-9 AM	1795	0.0	217	0.0	OFF	1795	0	217	0.00	0	63.0	63.0	63.0	37.1	37.1
9-10 AM	2257	0.0	273	0.0	OFF	2257	0	273	0.00	0	62.2	62.2	62.2	36.3	36.3
10-11 AM	2518	0.0	305	0.0	OFF	2518	0	305	0.00	0	60.7	60.7	60.7	36.0	36.0
11A-NOON	2423	0.0	293	0.0	OFF	2423	0	293	0.00	0	61.7	61.7	61.7	36.1	36.1
NOON-1PM	2210	0.0	268	0.0	OFF	2210	0	268	0.00	0	62.3	62.3	62.3	36.4	36.4
1-2 PM	2004	0.0	243	0.0	OFF	2004	0	243	0.00	0	62.7	62.7	62.7	36.7	36.7
2-3 PM	1847	0.0	223	0.0	OFF	1847	0	223	0.00	0	63.0	63.0	63.0	36.9	36.9
3-4 PM	1711	0.0	207	0.0	OFF	1711	0	207	0.00	0	63.2	63.2	63.2	37.2	37.2
4-5 PM	1543	0.0	186	0.0	OFF	1543	0	186	0.00	0	63.5	63.5	63.5	37.4	37.4
5-6 PM	1394	0.0	169	0.0	OFF	1394	0	169	0.00	0	63.8	63.8	63.8	37.6	37.6
6-7 PM	1228	0.0	148	0.0	1500	1228	0	148	0.67	0	64.1	60.5	37.6	37.9	37.9
7-8 PM	1041	0.0	126	0.0	1500	1041	0	126	0.52	0	64.5	61.5	41.5	38.2	38.2
8-9 PM	970	0.0	117	0.0	1500	970	0	117	0.52	0	64.6	61.7	41.8	38.3	38.3
9-10 PM	793	0.0	96	0.0	1500	793	0	96	0.50	0	64.9	62.1	42.4	38.6	38.6
10-11 PM	583	0.0	71	0.0	1500	583	0	71	0.48	0	65.3	62.6	43.2	38.9	38.9
11PM-MID	453	0.0	55	0.0	1500	453	0	55	0.47	0	65.5	62.8	43.7	39.1	39.1

"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	0.0560
MAIN ROUTE WITH WORKS	0.0554
DIVERSION	0.0588

PIA: Personal Injury Accidents

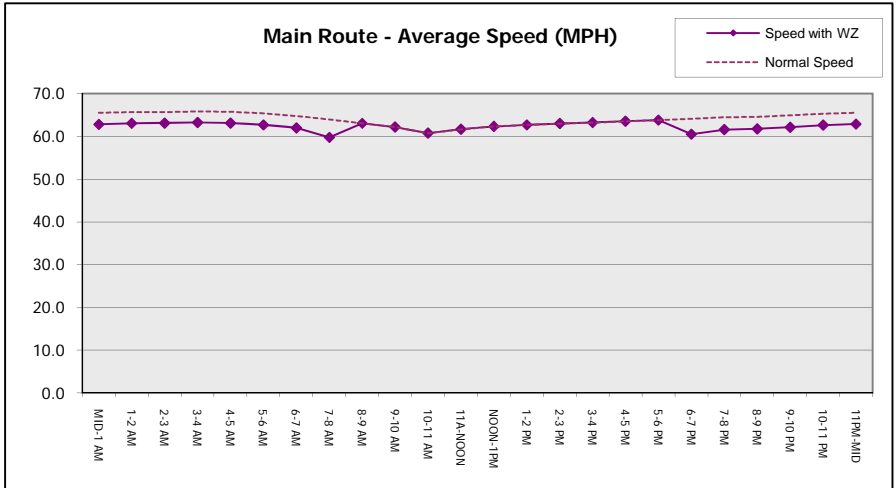
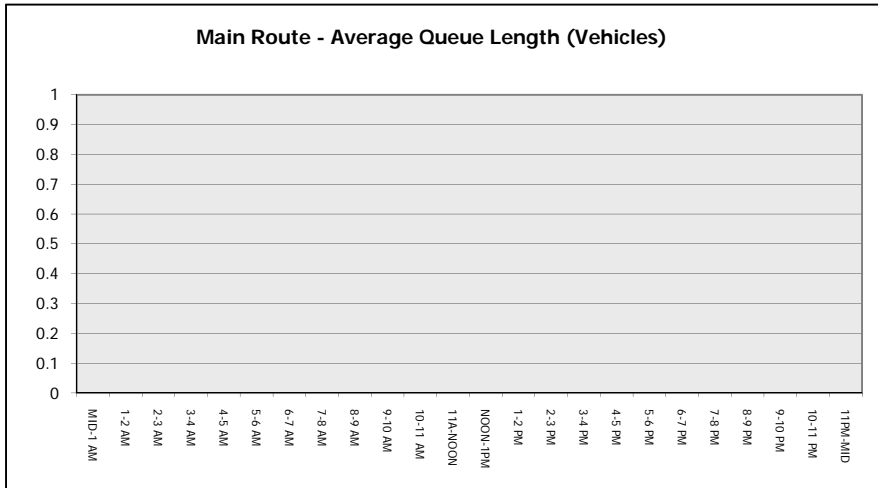
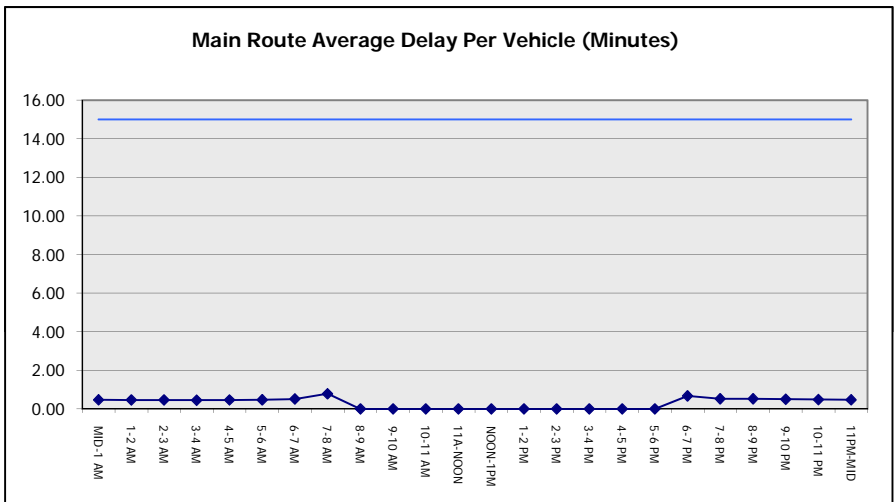
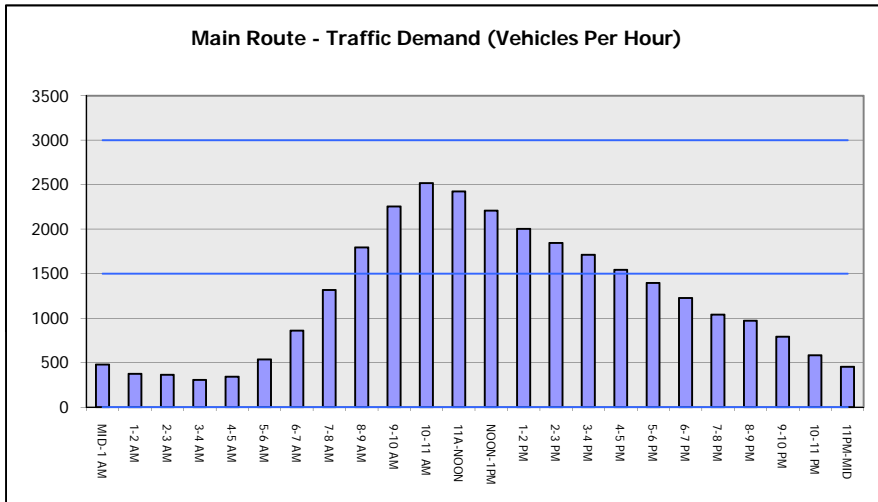
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$1,331
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

IH 39/90: STH 73 TO USH 14 (ROCK AND DANE COUNTIES)
NIGHTTIME CLOSURE
DIVERSION ROUTE: USH 14 - USH 51

AUGUST
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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SATURDAY WESTBOUND DIRECTION



IH 39/90: STH 73 TO USH 14 (ROCK AND DANE COUNTIES) NIGHTTIME CLOSURE DIVERSION ROUTE: USH 14 - USH 51	AUGUST Analyzed for 2009 Construction Season
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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	499	0.0	61	0.0	1500	499	0	61	0.47	0	65.5	62.8	43.5	39.0	39.0
1-2 AM	344	0.0	41	0.0	1500	344	0	41	0.46	0	65.8	63.1	44.1	39.2	39.2
2-3 AM	328	0.0	40	0.0	1500	328	0	40	0.45	0	65.8	63.2	44.2	39.2	39.2
3-4 AM	315	0.0	38	0.0	1500	315	0	38	0.45	0	65.8	63.2	44.2	39.2	39.2
4-5 AM	334	0.0	40	0.0	1500	334	0	40	0.45	0	65.8	63.2	44.2	39.2	39.2
5-6 AM	343	0.0	41	0.0	1500	343	0	41	0.46	0	65.8	63.1	44.1	39.2	39.2
6-7 AM	521	0.0	63	0.0	1500	521	0	63	0.47	0	65.4	62.7	43.4	38.9	38.9
7-8 AM	852	0.0	103	0.0	1500	852	0	103	0.50	0	64.8	62.0	42.2	38.4	38.4
8-9 AM	1188	0.0	144	0.0	OFF	1188	0	144	0.00	0	64.1	64.1	64.1	37.9	37.9
9-10 AM	1545	0.0	187	0.0	OFF	1545	0	187	0.00	0	63.5	63.5	63.5	37.4	37.4
10-11 AM	1952	0.0	236	0.0	OFF	1952	0	236	0.00	0	62.7	62.7	62.7	36.8	36.8
11A-NOON	2162	0.0	261	0.0	OFF	2162	0	261	0.00	0	62.3	62.3	62.3	36.5	36.5
NOON-1PM	2382	0.0	288	0.0	OFF	2382	0	288	0.00	0	62.0	62.0	62.0	36.1	36.1
1-2 PM	2412	0.0	292	0.0	OFF	2412	0	292	0.00	0	61.8	61.8	61.8	36.1	36.1
2-3 PM	2274	0.0	275	0.0	OFF	2274	0	275	0.00	0	62.2	62.2	62.2	36.3	36.3
3-4 PM	2288	0.0	277	0.0	OFF	2288	0	277	0.00	0	62.1	62.1	62.1	36.3	36.3
4-5 PM	2080	0.0	252	0.0	OFF	2080	0	252	0.00	0	62.5	62.5	62.5	36.6	36.6
5-6 PM	1991	0.0	241	0.0	OFF	1991	0	241	0.00	0	62.7	62.7	62.7	36.8	36.8
6-7 PM	1634	0.0	198	0.0	1499	1634	0	198	4.09	86	63.3	46.6	30.8	37.3	37.3
7-8 PM	1375	0.0	167	0.0	1499	1375	0	167	3.99	84	63.8	47.1	31.7	37.7	37.7
8-9 PM	1219	0.0	147	0.0	1500	1219	0	147	0.67	0	64.1	60.5	37.9	37.9	37.9
9-10 PM	1035	0.0	126	0.0	1500	1035	0	126	0.52	0	64.5	61.6	41.5	38.2	38.2
10-11 PM	820	0.0	99	0.0	1500	820	0	99	0.50	0	64.8	62.0	42.3	38.5	38.5
11PM-MID	579	0.0	70	0.0	1500	579	0	70	0.48	0	65.3	62.6	43.2	38.9	38.9

"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	0.0582
MAIN ROUTE WITH WORKS	0.0575
DIVERSION	0.0611

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$3,962
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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NIGHTTIME CLOSURE
DIVERSION ROUTE: USH 14 - USH 51

AUGUST
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SATURDAY EASTBOUND DIRECTION

