

IH 39/90: STH 73 TO USH 14 (ROCK AND DANE COUNTIES) NIGHTTIME CLOSURE DIVERSION ROUTE: USH 14 - USH 51	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	386	0.0	46	0.0	1500	386	0	46	0.46	0	65.6	63.0	44.0	39.2	39.2
1-2 AM	315	0.0	38	0.0	1500	315	0	38	0.45	0	65.8	63.2	44.2	39.2	39.2
2-3 AM	341	0.0	41	0.0	1500	341	0	41	0.46	0	65.8	63.1	44.2	39.2	39.2
3-4 AM	312	0.0	38	0.0	1500	312	0	38	0.45	0	65.8	63.2	44.2	39.2	39.2
4-5 AM	428	0.0	51	0.0	1500	428	0	51	0.46	0	65.6	62.9	43.8	39.1	39.1
5-6 AM	799	0.0	97	0.0	OFF	799	0	97	0.00	0	64.9	64.9	64.9	38.6	38.6
6-7 AM	1313	0.0	159	0.0	OFF	1313	0	159	0.00	0	64.0	64.0	64.0	37.8	37.8
7-8 AM	1465	0.0	177	0.0	OFF	1465	0	177	0.00	0	63.7	63.7	63.7	37.6	37.6
8-9 AM	1392	0.0	169	0.0	OFF	1392	0	169	0.00	0	63.8	63.8	63.8	37.6	37.6
9-10 AM	1497	0.0	181	0.0	OFF	1497	0	181	0.00	0	63.6	63.6	63.6	37.5	37.5
10-11 AM	1716	0.0	208	0.0	OFF	1716	0	208	0.00	0	63.2	63.2	63.2	37.1	37.1
11A-NOON	1882	0.0	227	0.0	OFF	1882	0	227	0.00	0	62.9	62.9	62.9	36.9	36.9
NOON-1PM	1927	0.0	233	0.0	OFF	1927	0	233	0.00	0	62.8	62.8	62.8	36.8	36.8
1-2 PM	2023	0.0	245	0.0	OFF	2023	0	245	0.00	0	62.6	62.6	62.6	36.7	36.7
2-3 PM	2145	0.0	259	0.0	OFF	2145	0	259	0.00	0	62.4	62.4	62.4	36.5	36.5
3-4 PM	2344	0.0	284	0.0	OFF	2344	0	284	0.00	0	62.0	62.0	62.0	36.2	36.2
4-5 PM	2461	0.0	297	0.0	OFF	2461	0	297	0.00	0	61.3	61.3	61.3	36.1	36.1
5-6 PM	2446	0.0	296	0.0	OFF	2446	0	296	0.00	0	61.4	61.4	61.4	36.1	36.1
6-7 PM	2123	0.0	256	0.0	OFF	2123	0	256	0.00	0	62.4	62.4	62.4	36.6	36.6
7-8 PM	1906	0.0	231	0.0	1499	1851	55	286	8.06	207	62.8	36.9	30.8	36.9	36.2
8-9 PM	1667	0.0	202	0.0	1499	1447	219	421	13.13	328	63.3	29.4	30.8	37.3	34.5
9-10 PM	1235	0.0	149	0.0	1499	1229	6	156	7.33	185	64.1	38.8	33.0	37.9	37.8
10-11 PM	863	0.0	104	0.0	1500	863	0	104	0.53	0	64.8	61.9	42.2	38.4	38.4
11PM-MID	517	0.0	63	0.0	1500	517	0	63	0.47	0	65.4	62.7	43.5	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 (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	0.0640
MAIN ROUTE WITH WORKS	0.0629
DIVERSION	0.0718

PIA: Personal Injury Accidents

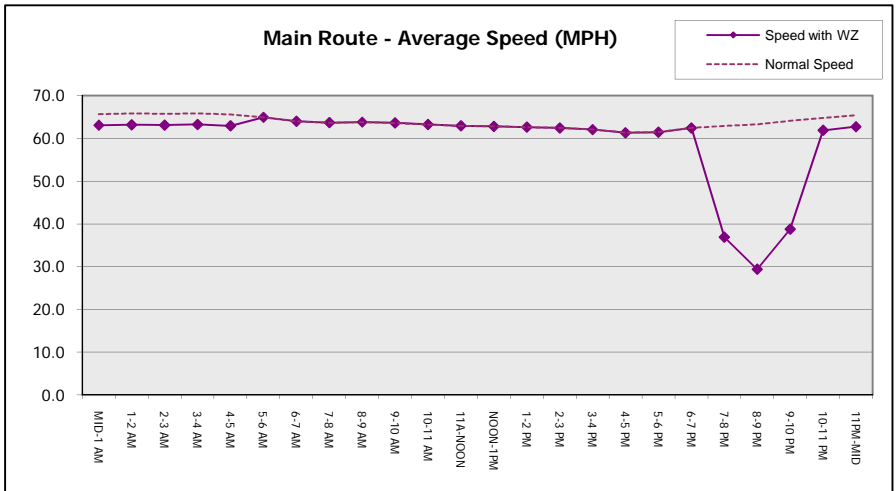
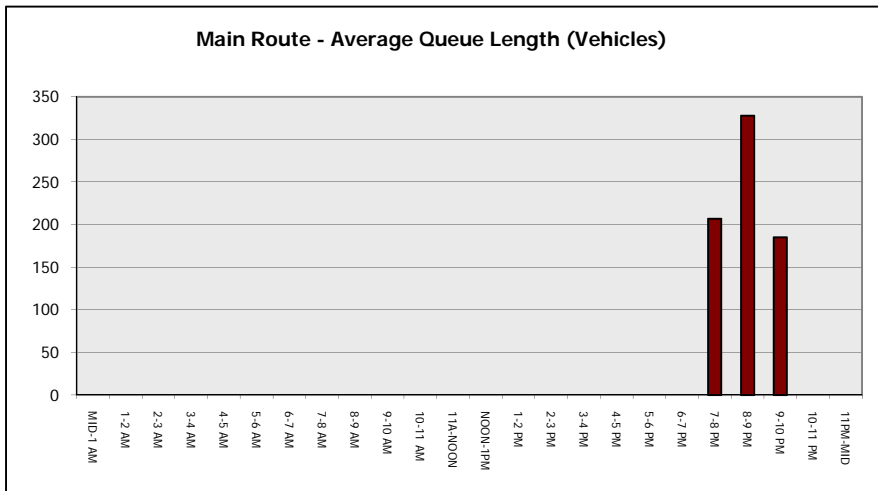
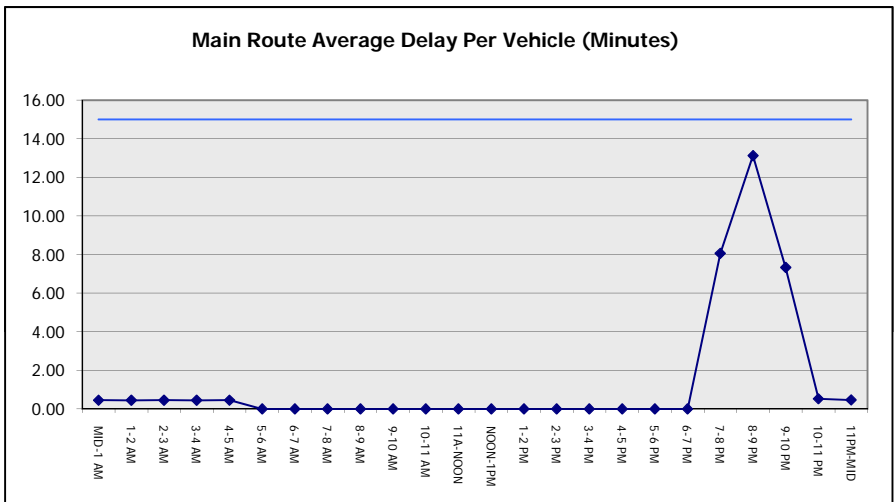
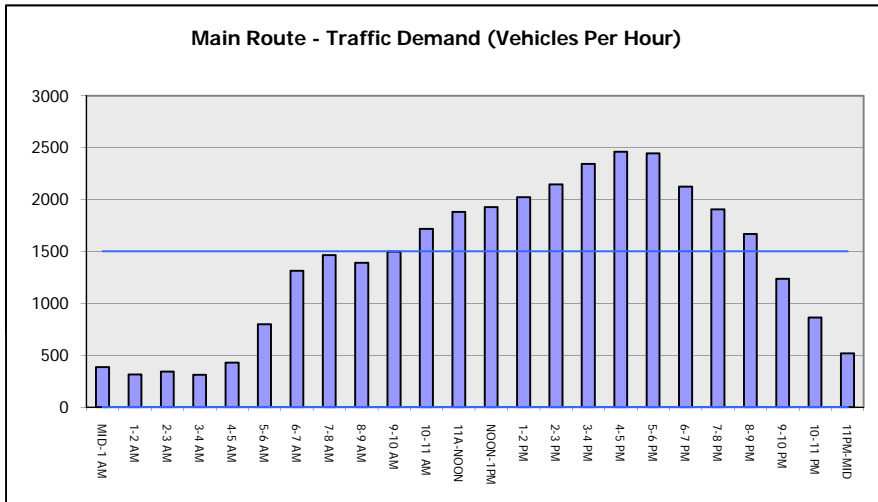
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$11,569
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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

OCTOBER
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY WESTBOUND DIRECTION



IH 39/90: STH 73 TO USH 14 (ROCK AND DANE COUNTIES) NIGHTTIME CLOSURE DIVERSION ROUTE: USH 14 - USH 51	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	339	0.0	41	0.0	1500	339	0	41	0.46	0	65.8	63.2	44.2	39.2	39.2
1-2 AM	291	0.0	35	0.0	1500	291	0	35	0.45	0	65.8	63.2	44.3	39.3	39.3
2-3 AM	285	0.0	34	0.0	1500	285	0	34	0.45	0	65.8	63.2	44.3	39.3	39.3
3-4 AM	345	0.0	42	0.0	1500	345	0	42	0.46	0	65.8	63.1	44.1	39.2	39.2
4-5 AM	398	0.0	48	0.0	1500	398	0	48	0.46	0	65.6	63.0	43.9	39.1	39.1
5-6 AM	493	0.0	60	0.0	OFF	493	0	60	0.00	0	65.5	65.5	65.5	39.0	39.0
6-7 AM	778	0.0	94	0.0	OFF	778	0	94	0.00	0	65.0	65.0	65.0	38.6	38.6
7-8 AM	1076	0.0	130	0.0	OFF	1076	0	130	0.00	0	64.4	64.4	64.4	38.1	38.1
8-9 AM	1215	0.0	147	0.0	OFF	1215	0	147	0.00	0	64.1	64.1	64.1	37.9	37.9
9-10 AM	1337	0.0	162	0.0	OFF	1337	0	162	0.00	0	63.9	63.9	63.9	37.8	37.8
10-11 AM	1445	0.0	175	0.0	OFF	1445	0	175	0.00	0	63.7	63.7	63.7	37.6	37.6
11A-NOON	1584	0.0	191	0.0	OFF	1584	0	191	0.00	0	63.4	63.4	63.4	37.4	37.4
NOON-1PM	1750	0.0	212	0.0	OFF	1750	0	212	0.00	0	63.2	63.2	63.2	37.1	37.1
1-2 PM	1893	0.0	229	0.0	OFF	1893	0	229	0.00	0	62.8	62.8	62.8	36.9	36.9
2-3 PM	2005	0.0	243	0.0	OFF	2005	0	243	0.00	0	62.7	62.7	62.7	36.7	36.7
3-4 PM	2166	0.0	262	0.0	OFF	2166	0	262	0.00	0	62.3	62.3	62.3	36.5	36.5
4-5 PM	2273	0.0	275	0.0	OFF	2273	0	275	0.00	0	62.2	62.2	62.2	36.3	36.3
5-6 PM	2164	0.0	261	0.0	OFF	2164	0	261	0.00	0	62.3	62.3	62.3	36.5	36.5
6-7 PM	1729	0.0	209	0.0	OFF	1729	0	209	0.00	0	63.2	63.2	63.2	37.1	37.1
7-8 PM	1371	0.0	166	0.0	1500	1371	0	166	0.86	0	63.8	59.3	33.7	37.7	37.7
8-9 PM	1050	0.0	127	0.0	1500	1050	0	127	0.52	0	64.5	61.5	41.5	38.2	38.2
9-10 PM	932	0.0	112	0.0	1500	932	0	112	0.51	0	64.6	61.8	41.9	38.4	38.4
10-11 PM	748	0.0	91	0.0	1500	748	0	91	0.49	0	65.0	62.2	42.6	38.6	38.6
11PM-MID	520	0.0	63	0.0	1500	520	0	63	0.47	0	65.4	62.7	43.4	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	0.0538
MAIN ROUTE WITH WORKS	0.0534
DIVERSION	0.0564

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$863
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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NIGHTTIME CLOSURE
DIVERSION ROUTE: USH 14 - USH 51

OCTOBER
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 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY EASTBOUND DIRECTION

