

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

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	527	0.0	64	0.0	1500	527	0	64	0.47	0	65.4	62.7	43.4	38.9	38.9
1-2 AM	436	0.0	52	0.0	1500	436	0	52	0.46	0	65.6	62.9	43.8	39.1	39.1
2-3 AM	376	0.0	45	0.0	1500	376	0	45	0.46	0	65.7	63.0	44.0	39.2	39.2
3-4 AM	369	0.0	44	0.0	1500	369	0	44	0.46	0	65.7	63.0	44.0	39.2	39.2
4-5 AM	472	0.0	58	0.0	1500	472	0	58	0.47	0	65.5	62.8	43.6	39.0	39.0
5-6 AM	898	0.0	109	0.0	OFF	898	0	109	0.00	0	64.7	64.7	64.7	38.4	38.4
6-7 AM	1360	0.0	165	0.0	OFF	1360	0	165	0.00	0	63.8	63.8	63.8	37.7	37.7
7-8 AM	1642	0.0	199	0.0	OFF	1642	0	199	0.00	0	63.3	63.3	63.3	37.3	37.3
8-9 AM	1675	0.0	203	0.0	OFF	1675	0	203	0.00	0	63.3	63.3	63.3	37.2	37.2
9-10 AM	1842	0.0	222	0.0	OFF	1842	0	222	0.00	0	63.0	63.0	63.0	37.0	37.0
10-11 AM	2140	0.0	259	0.0	OFF	2140	0	259	0.00	0	62.4	62.4	62.4	36.5	36.5
11A-NOON	2316	0.0	280	0.0	OFF	2316	0	280	0.00	0	62.1	62.1	62.1	36.3	36.3
NOON-1PM	2409	0.0	291	0.0	OFF	2409	0	291	0.00	0	61.9	61.9	61.9	36.1	36.1
1-2 PM	2446	0.0	295	0.0	OFF	2446	0	295	0.00	0	61.4	61.4	61.4	36.1	36.1
2-3 PM	2627	0.0	318	0.0	OFF	2627	0	318	0.00	0	59.6	59.6	59.6	35.8	35.8
3-4 PM	2856	0.0	346	0.0	OFF	2856	0	346	0.00	0	57.3	57.3	57.3	35.5	35.5
4-5 PM	2768	0.0	334	0.0	OFF	2768	0	334	0.00	0	58.1	58.1	58.1	35.6	35.6
5-6 PM	2668	0.0	323	0.0	OFF	2668	0	323	0.00	0	59.2	59.2	59.2	35.7	35.7
6-7 PM	2459	0.0	297	0.0	OFF	2459	0	297	0.00	0	61.3	61.3	61.3	36.1	36.1
7-8 PM	2140	0.0	259	0.0	1499	1926	214	473	10.71	285	62.4	32.4	30.8	36.5	33.8
8-9 PM	1996	0.0	242	0.0	1499	1476	520	762	16.43	420	62.7	25.8	30.8	36.8	30.3
9-10 PM	1764	0.0	213	0.0	1499	1420	344	557	14.35	362	63.1	27.9	30.8	37.1	32.9
10-11 PM	1274	0.0	154	0.0	1499	1248	26	181	8.73	219	64.0	36.0	32.5	37.8	37.5
11PM-MID	719	0.0	86	0.0	1500	718	0	87	0.61	3	65.0	61.6	42.7	38.7	38.7

"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	0.0767
MAIN ROUTE WITH WORKS	0.0740
DIVERSION	0.0988

PIA: Personal Injury Accidents

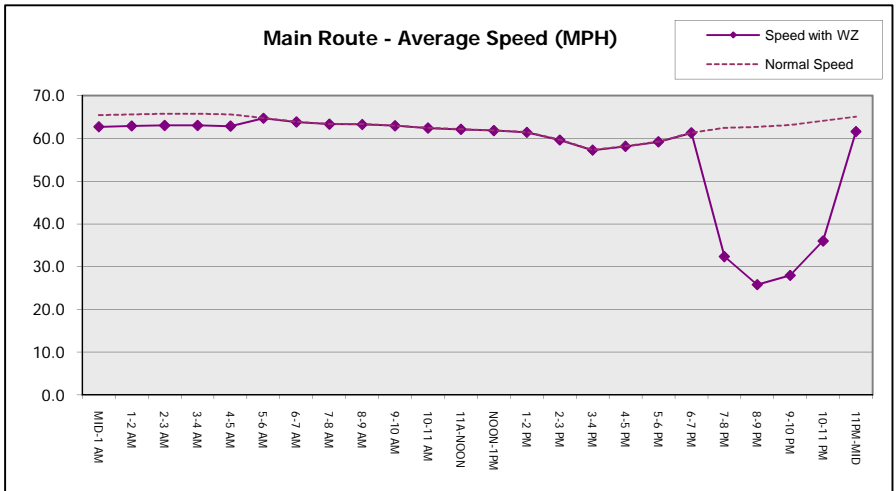
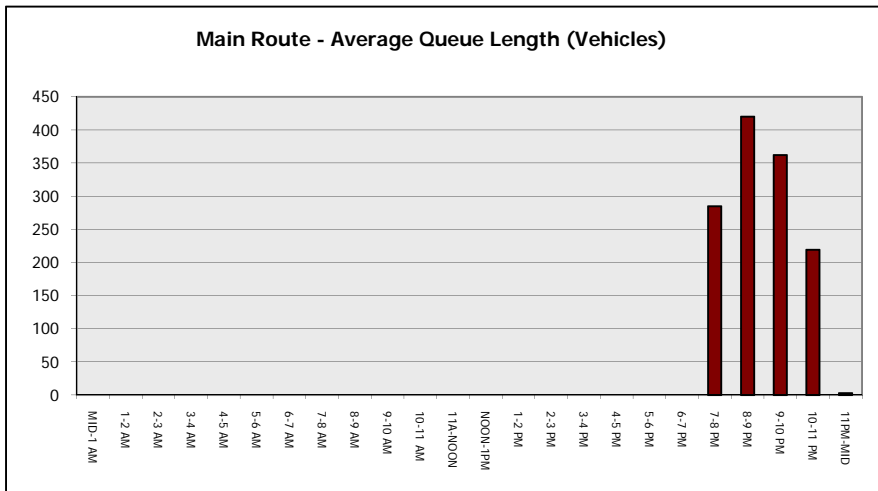
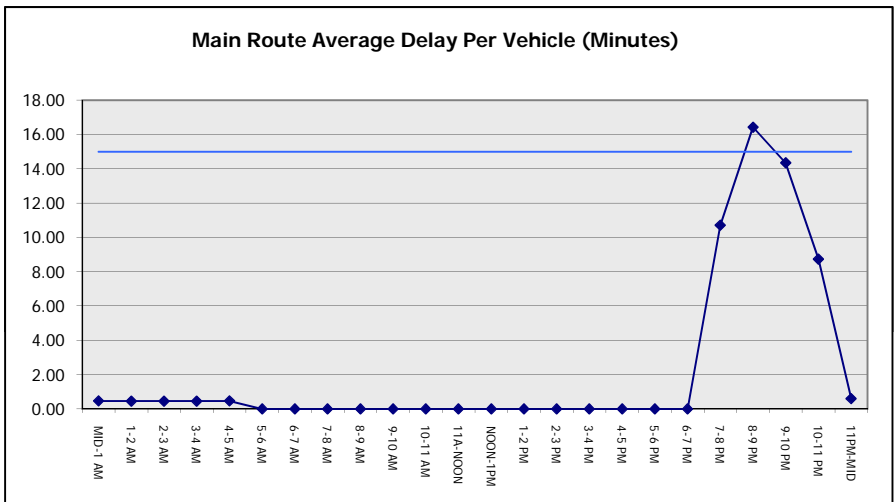
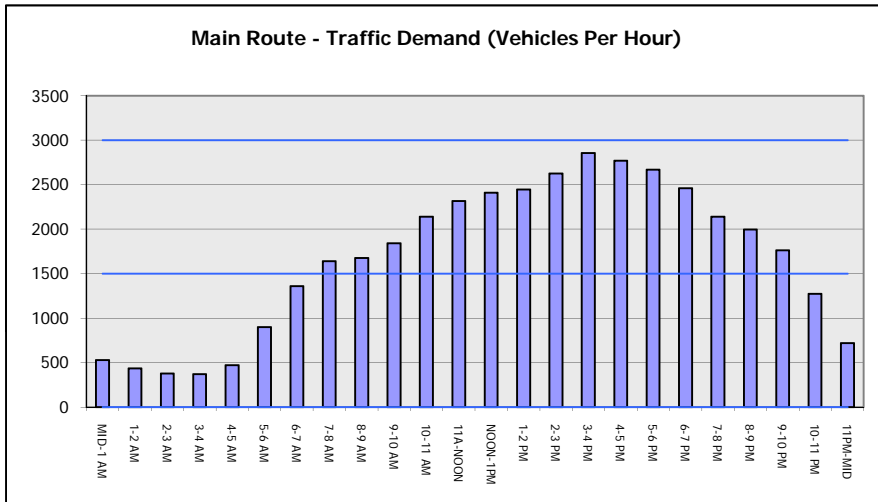
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$23,117
CONGESTED HOURS PER DAY*	1

*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
 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	AUGUST
	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	461	0.0	56	0.0	1500	461	0	56	0.47	0	65.5	62.8	43.7	39.1	39.1
1-2 AM	375	0.0	45	0.0	1500	375	0	45	0.46	0	65.7	63.0	44.0	39.2	39.2
2-3 AM	377	0.0	45	0.0	1500	377	0	45	0.46	0	65.7	63.0	44.0	39.2	39.2
3-4 AM	426	0.0	51	0.0	1500	426	0	51	0.46	0	65.6	62.9	43.8	39.1	39.1
4-5 AM	450	0.0	55	0.0	1500	450	0	55	0.47	0	65.6	62.9	43.7	39.1	39.1
5-6 AM	552	0.0	67	0.0	OFF	552	0	67	0.00	0	65.3	65.3	65.3	38.9	38.9
6-7 AM	760	0.0	92	0.0	OFF	760	0	92	0.00	0	65.0	65.0	65.0	38.6	38.6
7-8 AM	1152	0.0	139	0.0	OFF	1152	0	139	0.00	0	64.2	64.2	64.2	38.0	38.0
8-9 AM	1311	0.0	159	0.0	OFF	1311	0	159	0.00	0	64.0	64.0	64.0	37.8	37.8
9-10 AM	1540	0.0	186	0.0	OFF	1540	0	186	0.00	0	63.5	63.5	63.5	37.4	37.4
10-11 AM	1731	0.0	210	0.0	OFF	1731	0	210	0.00	0	63.2	63.2	63.2	37.1	37.1
11A-NOON	1919	0.0	233	0.0	OFF	1919	0	233	0.00	0	62.8	62.8	62.8	36.8	36.8
NOON-1PM	2031	0.0	246	0.0	OFF	2031	0	246	0.00	0	62.6	62.6	62.6	36.7	36.7
1-2 PM	2215	0.0	268	0.0	OFF	2215	0	268	0.00	0	62.3	62.3	62.3	36.4	36.4
2-3 PM	2327	0.0	282	0.0	OFF	2327	0	282	0.00	0	62.0	62.0	62.0	36.3	36.3
3-4 PM	2387	0.0	289	0.0	OFF	2387	0	289	0.00	0	61.9	61.9	61.9	36.1	36.1
4-5 PM	2433	0.0	294	0.0	OFF	2433	0	294	0.00	0	61.5	61.5	61.5	36.1	36.1
5-6 PM	2337	0.0	283	0.0	OFF	2337	0	283	0.00	0	62.0	62.0	62.0	36.2	36.2
6-7 PM	1887	0.0	228	0.0	OFF	1887	0	228	0.00	0	62.8	62.8	62.8	36.9	36.9
7-8 PM	1683	0.0	204	0.0	1499	1683	0	204	4.84	108	63.3	44.4	30.8	37.2	37.2
8-9 PM	1344	0.0	163	0.0	1499	1344	0	163	5.34	122	63.9	43.3	31.9	37.7	37.7
9-10 PM	1148	0.0	139	0.0	1500	1148	0	139	0.63	1	64.3	60.9	39.9	38.0	38.0
10-11 PM	967	0.0	117	0.0	1500	967	0	117	0.52	0	64.6	61.7	41.8	38.3	38.3
11PM-MID	691	0.0	83	0.0	1500	691	0	83	0.49	0	65.1	62.3	42.8	38.7	38.7

"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	0.0621
MAIN ROUTE WITH WORKS	0.0615
DIVERSION	0.0652

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$4,410
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
Analyzed for 2009
Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY EASTBOUND DIRECTION

