

IH 39/90: STH 73 TO USH 14 (ROCK AND DANE COUNTIES) OFF-PEAK DAY 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	OFF	527	0	64	0.00	0	65.4	65.4	65.4	38.9	38.9
1-2 AM	436	0.0	52	0.0	OFF	436	0	52	0.00	0	65.6	65.6	65.6	39.1	39.1
2-3 AM	376	0.0	45	0.0	OFF	376	0	45	0.00	0	65.7	65.7	65.7	39.2	39.2
3-4 AM	369	0.0	44	0.0	OFF	369	0	44	0.00	0	65.7	65.7	65.7	39.2	39.2
4-5 AM	472	0.0	58	0.0	OFF	472	0	58	0.00	0	65.5	65.5	65.5	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	1499	1842	0	222	6.16	156	63.0	40.9	30.8	37.0	37.0
10-11 AM	2140	0.0	259	0.0	1499	1633	507	767	16.44	423	62.4	25.7	30.8	36.5	30.2
11A-NOON	2316	0.0	280	0.0	1499	1569	747	1027	19.74	512	62.1	23.0	30.8	36.3	27.0
NOON-1PM	2409	0.0	291	0.0	1499	1542	867	1158	21.70	566	61.9	21.6	30.8	36.1	25.3
1-2 PM	2446	0.0	295	0.0	1499	1524	922	1217+	22.62	593	61.4	20.9	30.8	36.1	24.7
2-3 PM	2627	0.0	318	0.0	1500	1600	1027	1345+	24.63	657	59.6	19.6	30.8	35.8	23.0
3-4 PM	2856	0.0	346	0.0	1500	1641	1214	1560+	28.94	787	57.3	17.3	30.8	35.5	20.4
4-5 PM	2768	0.0	334	0.0	OFF	2768	0	334	6.58	293	58.1	37.9	37.9	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	OFF	2140	0	259	0.00	0	62.4	62.4	62.4	36.5	36.5
8-9 PM	1996	0.0	242	0.0	OFF	1996	0	242	0.00	0	62.7	62.7	62.7	36.8	36.8
9-10 PM	1764	0.0	213	0.0	OFF	1764	0	213	0.00	0	63.1	63.1	63.1	37.1	37.1
10-11 PM	1274	0.0	154	0.0	OFF	1274	0	154	0.00	0	64.0	64.0	64.0	37.8	37.8
11PM-MID	719	0.0	86	0.0	OFF	719	0	86	0.00	0	65.0	65.0	65.0	38.7	38.7

"OFF" INDICATES NO ROAD WORK (ALL LANES OPEN TO TRAFFIC)

+ INDICATES DIVERSION FLOW EXCEEDS USER-SPECIFIED WARNING LIMIT

----- 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	0.0659
DIVERSION	0.1680

PIA: Personal Injury Accidents

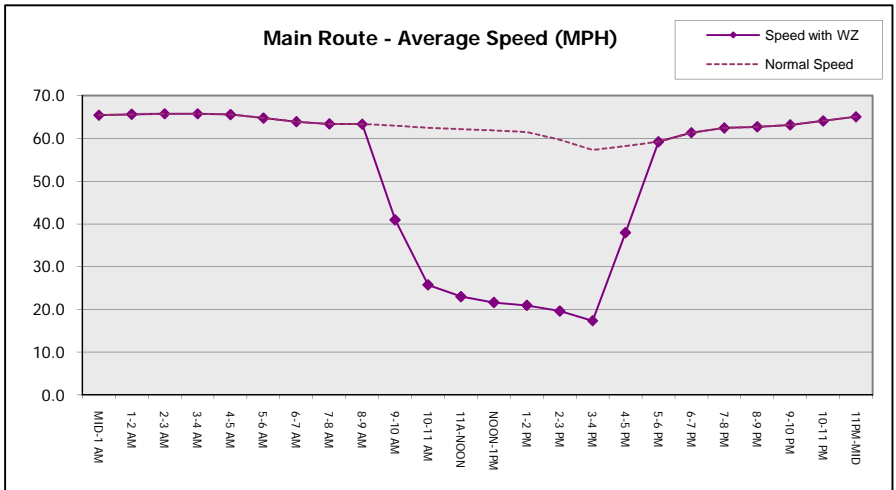
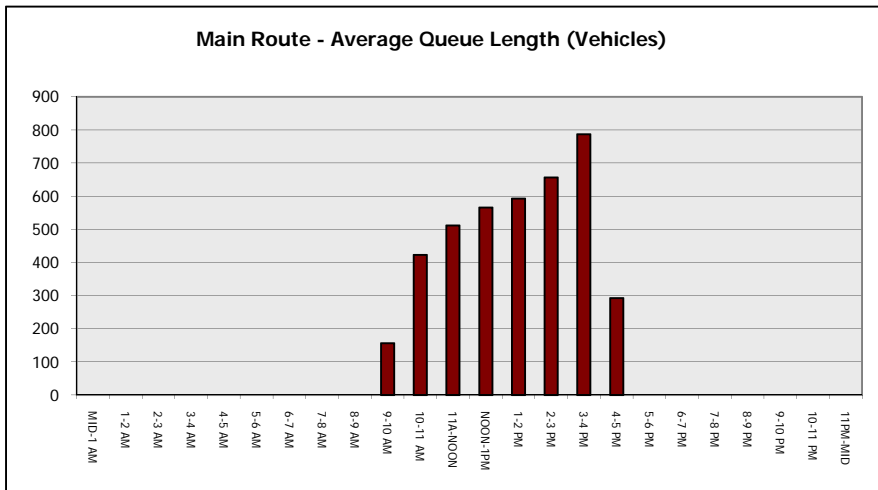
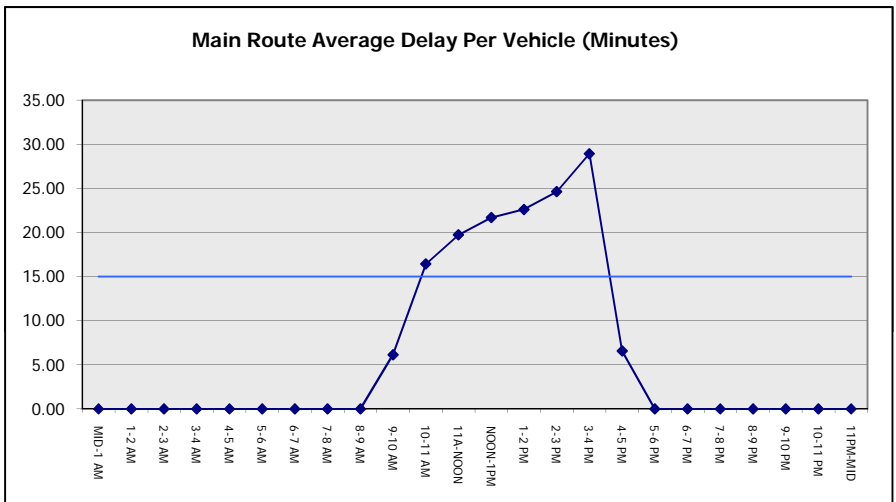
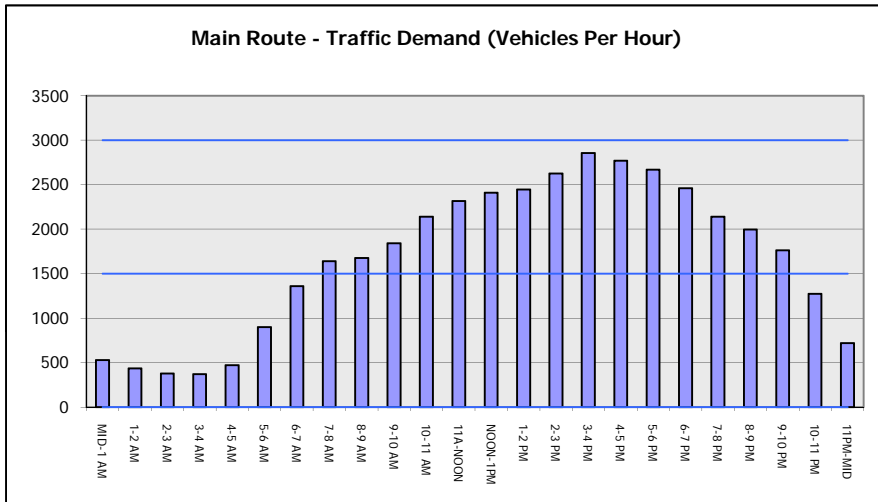
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$82,469
CONGESTED HOURS PER DAY*	6

*Delays Exceeding 15 Minutes

IH 39/90: STH 73 TO USH 14 (ROCK AND DANE COUNTIES)
OFF-PEAK DAY 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) OFF-PEAK DAY 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		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	461	0.0	56	0.0	OFF	461	0	56	0.00	0	65.5	65.5	65.5	39.1	39.1
1-2 AM	375	0.0	45	0.0	OFF	375	0	45	0.00	0	65.7	65.7	65.7	39.2	39.2
2-3 AM	377	0.0	45	0.0	OFF	377	0	45	0.00	0	65.7	65.7	65.7	39.2	39.2
3-4 AM	426	0.0	51	0.0	OFF	426	0	51	0.00	0	65.6	65.6	65.6	39.1	39.1
4-5 AM	450	0.0	55	0.0	OFF	450	0	55	0.00	0	65.6	65.6	65.6	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	1499	1540	0	186	1.42	11	63.5	56.4	30.9	37.4	37.4
10-11 AM	1731	0.0	210	0.0	1500	1731	0	210	6.25	150	63.2	40.8	30.8	37.1	37.1
11A-NOON	1919	0.0	233	0.0	1499	1617	302	535	14.09	357	62.8	28.2	30.8	36.8	33.1
NOON-1PM	2031	0.0	246	0.0	1499	1538	493	739	16.16	413	62.6	26.0	30.8	36.7	30.6
1-2 PM	2215	0.0	268	0.0	1500	1568	647	915	18.23	470	62.3	24.2	30.8	36.4	28.4
2-3 PM	2327	0.0	282	0.0	1499	1546	781	1063	20.26	526	62.0	22.6	30.8	36.3	26.5
3-4 PM	2387	0.0	289	0.0	1499	1528	859	1148	21.56	562	61.9	21.7	30.8	36.1	25.5
4-5 PM	2433	0.0	294	0.0	OFF	2433	0	294	2.82	105	61.5	49.6	49.6	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	OFF	1683	0	204	0.00	0	63.3	63.3	63.3	37.2	37.2
8-9 PM	1344	0.0	163	0.0	OFF	1344	0	163	0.00	0	63.9	63.9	63.9	37.7	37.7
9-10 PM	1148	0.0	139	0.0	OFF	1148	0	139	0.00	0	64.3	64.3	64.3	38.0	38.0
10-11 PM	967	0.0	117	0.0	OFF	967	0	117	0.00	0	64.6	64.6	64.6	38.3	38.3
11PM-MID	691	0.0	83	0.0	OFF	691	0	83	0.00	0	65.1	65.1	65.1	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	0.0554
DIVERSION	0.1162

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$49,360
CONGESTED HOURS PER DAY*	4

*Delays Exceeding 15 Minutes

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

AUGUST
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY EASTBOUND DIRECTION

