

IH 39/90: STH 73 TO USH 14 (ROCK AND DANE COUNTIES) OFF-PEAK DAY CLOSURE DIVERSION ROUTE: USH 14 - USH 51	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	251	0.0	31	0.0	OFF	251	0	31	0.00	0	65.9	65.9	65.9	39.4	39.4
1-2 AM	182	0.0	22	0.0	OFF	182	0	22	0.00	0	66.1	66.1	66.1	39.5	39.5
2-3 AM	142	0.0	17	0.0	OFF	142	0	17	0.00	0	66.1	66.1	66.1	39.6	39.6
3-4 AM	112	0.0	13	0.0	OFF	112	0	13	0.00	0	66.2	66.2	66.2	39.6	39.6
4-5 AM	145	0.0	17	0.0	OFF	145	0	17	0.00	0	66.1	66.1	66.1	39.6	39.6
5-6 AM	222	0.0	27	0.0	OFF	222	0	27	0.00	0	66.0	66.0	66.0	39.4	39.4
6-7 AM	344	0.0	41	0.0	OFF	344	0	41	0.00	0	65.8	65.8	65.8	39.2	39.2
7-8 AM	507	0.0	62	0.0	OFF	507	0	62	0.00	0	65.5	65.5	65.5	39.0	39.0
8-9 AM	782	0.0	95	0.0	OFF	782	0	95	0.00	0	65.0	65.0	65.0	38.6	38.6
9-10 AM	1130	0.0	137	0.0	1499	1130	0	137	0.59	0	64.3	61.0	39.7	38.1	38.1
10-11 AM	1478	0.0	179	0.0	1499	1478	0	179	1.19	6	63.7	57.6	31.8	37.5	37.5
11A-NOON	1716	0.0	208	0.0	1500	1716	0	208	5.28	122	63.2	43.2	30.8	37.1	37.1
NOON-1PM	1821	0.0	220	0.0	1499	1616	205	425	13.00	327	63.0	29.4	30.8	37.0	34.5
1-2 PM	1773	0.0	214	0.0	1499	1486	286	501	13.81	347	63.1	28.5	30.8	37.1	33.5
2-3 PM	1816	0.0	219	0.0	1500	1513	303	522	14.00	352	63.0	28.3	30.8	37.0	33.3
3-4 PM	1807	0.0	218	0.0	1499	1498	308	527	14.05	354	63.0	28.3	30.8	37.0	33.2
4-5 PM	1866	0.0	225	0.0	1500	1511	355	581	14.55	368	62.9	27.7	30.8	36.9	32.5
5-6 PM	1635	0.0	198	0.0	1499	1430	204	402	12.97	324	63.3	29.6	30.8	37.3	34.8
6-7 PM	1429	0.0	173	0.0	1500	1412	17	189	10.71	261	63.7	32.7	30.8	37.6	37.4
7-8 PM	1156	0.0	140	0.0	OFF	1156	0	140	0.18	7	64.2	63.2	63.2	38.0	38.0
8-9 PM	938	0.0	113	0.0	OFF	938	0	113	0.00	0	64.6	64.6	64.6	38.3	38.3
9-10 PM	772	0.0	94	0.0	OFF	772	0	94	0.00	0	65.0	65.0	65.0	38.6	38.6
10-11 PM	488	0.0	59	0.0	OFF	488	0	59	0.00	0	65.5	65.5	65.5	39.0	39.0
11PM-MID	383	0.0	46	0.0	OFF	383	0	46	0.00	0	65.7	65.7	65.7	39.2	39.2

"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	0.0437
MAIN ROUTE WITH WORKS	0.0395
DIVERSION	0.0737

PIA: Personal Injury Accidents

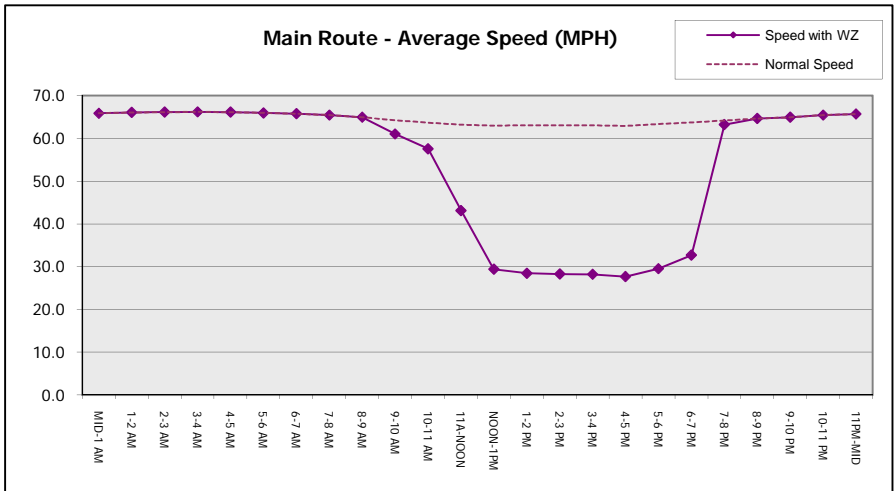
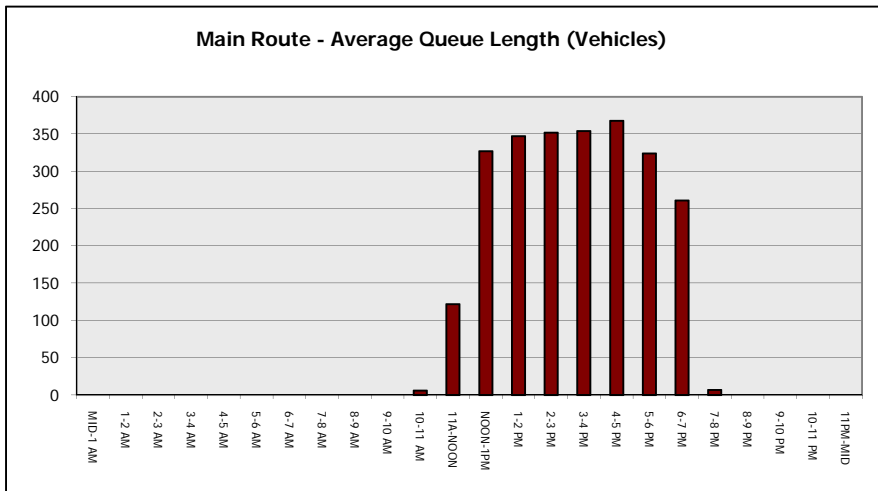
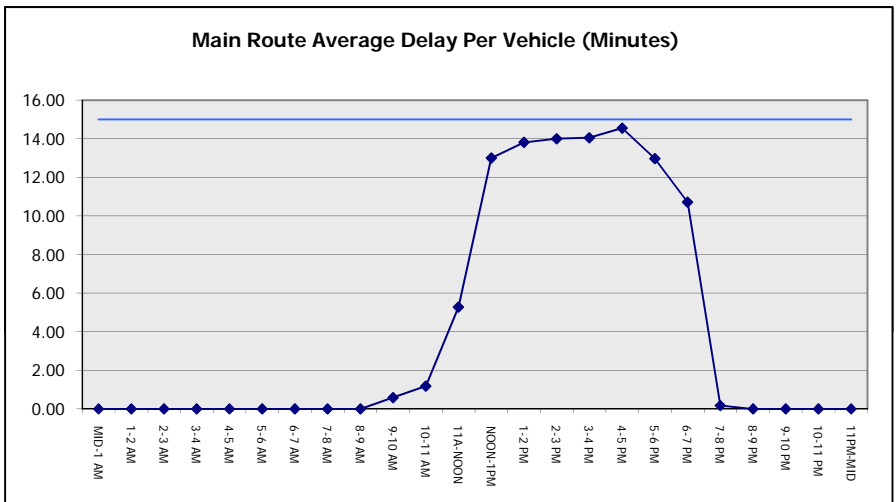
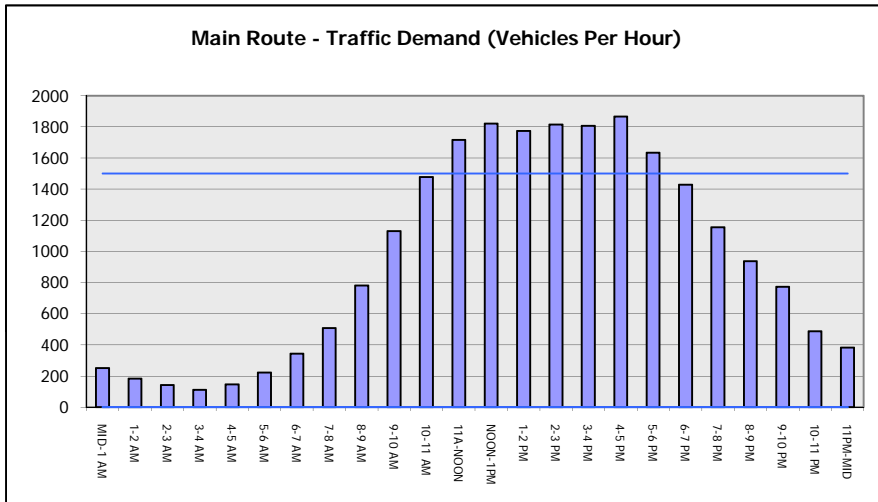
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$52,173
CONGESTED HOURS PER DAY*	0

*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

OCTOBER
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY WESTBOUND DIRECTION



IH 39/90: STH 73 TO USH 14 (ROCK AND DANE COUNTIES) OFF-PEAK DAY CLOSURE DIVERSION ROUTE: USH 14 - USH 51	OCTOBER
	Analyzed for 2009 Construction Season

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		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	289	0.0	35	0.0	OFF	289	0	35	0.00	0	65.8	65.8	65.8	39.3	39.3
1-2 AM	222	0.0	27	0.0	OFF	222	0	27	0.00	0	66.0	66.0	66.0	39.4	39.4
2-3 AM	180	0.0	22	0.0	OFF	180	0	22	0.00	0	66.1	66.1	66.1	39.5	39.5
3-4 AM	151	0.0	19	0.0	OFF	151	0	19	0.00	0	66.1	66.1	66.1	39.5	39.5
4-5 AM	153	0.0	19	0.0	OFF	153	0	19	0.00	0	66.1	66.1	66.1	39.5	39.5
5-6 AM	191	0.0	24	0.0	OFF	191	0	24	0.00	0	66.0	66.0	66.0	39.4	39.4
6-7 AM	318	0.0	38	0.0	OFF	318	0	38	0.00	0	65.8	65.8	65.8	39.2	39.2
7-8 AM	529	0.0	64	0.0	OFF	529	0	64	0.00	0	65.4	65.4	65.4	38.9	38.9
8-9 AM	901	0.0	109	0.0	OFF	901	0	109	0.00	0	64.7	64.7	64.7	38.4	38.4
9-10 AM	1371	0.0	166	0.0	1499	1371	0	166	0.85	0	63.8	59.3	33.9	37.7	37.7
10-11 AM	1866	0.0	225	0.0	1499	1866	0	225	6.04	155	62.9	41.2	30.8	36.9	36.9
11A-NOON	2249	0.0	272	0.0	1499	1656	593	865	17.58	455	62.2	24.7	30.8	36.4	29.0
NOON-1PM	2555	0.0	309	0.0	1500	1637	918	1227+	22.57	598	60.3	20.9	30.8	35.9	24.5
1-2 PM	2620	0.0	317	0.0	1499	1547	1073	1390+	25.54	681	59.7	19.1	30.8	35.8	22.5
2-3 PM	2757	0.0	333	0.0	1500	1584	1172	1506+	27.83	751	58.2	17.9	30.8	35.6	21.1
3-4 PM	2784	0.0	337	0.0	1499	1529	1256	1592+	29.93	809	58.0	17.0	30.8	35.6	20.0
4-5 PM	2714	0.0	328	0.0	1499	1452	1262	1590+	30.03	808	58.7	17.0	30.8	35.6	20.0
5-6 PM	2315	0.0	280	0.0	1499	1270	1045	1325+	24.71	650	62.1	19.8	30.8	36.3	23.3
6-7 PM	2047	0.0	248	0.0	1500	1371	676	924	18.41	476	62.6	24.0	30.8	36.6	28.3
7-8 PM	1564	0.0	189	0.0	OFF	1564	0	189	0.67	35	63.5	59.9	59.9	37.4	37.4
8-9 PM	1157	0.0	140	0.0	OFF	1157	0	140	0.00	0	64.2	64.2	64.2	38.0	38.0
9-10 PM	778	0.0	95	0.0	OFF	778	0	95	0.00	0	65.0	65.0	65.0	38.6	38.6
10-11 PM	530	0.0	64	0.0	OFF	530	0	64	0.00	0	65.4	65.4	65.4	38.9	38.9
11PM-MID	383	0.0	46	0.0	OFF	383	0	46	0.00	0	65.7	65.7	65.7	39.2	39.2

"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	0.0585
MAIN ROUTE WITH WORKS	0.0422
DIVERSION	0.1938

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$153,847
CONGESTED HOURS PER DAY*	8

*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

OCTOBER
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY EASTBOUND DIRECTION

