

IH 39/90: STH 73 TO USH 14 (ROCK AND DANE COUNTIES) CONTINUOUS (24 HOUR) 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	1500	251	0	31	0.45	0	65.9	63.3	44.5	39.4	39.4
1-2 AM	182	0.0	22	0.0	1500	182	0	22	0.44	0	66.1	63.5	44.8	39.5	39.5
2-3 AM	142	0.0	17	0.0	1500	142	0	17	0.44	0	66.1	63.6	44.9	39.6	39.6
3-4 AM	112	0.0	13	0.0	1500	112	0	13	0.43	0	66.2	63.7	45.0	39.6	39.6
4-5 AM	145	0.0	17	0.0	1500	145	0	17	0.44	0	66.1	63.6	44.9	39.6	39.6
5-6 AM	222	0.0	27	0.0	1500	222	0	27	0.44	0	66.0	63.4	44.6	39.4	39.4
6-7 AM	344	0.0	41	0.0	1500	344	0	41	0.46	0	65.8	63.1	44.1	39.2	39.2
7-8 AM	507	0.0	62	0.0	1500	507	0	62	0.47	0	65.5	62.7	43.5	39.0	39.0
8-9 AM	782	0.0	95	0.0	1500	782	0	95	0.50	0	65.0	62.2	42.5	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	1499	1156	0	140	3.00	74	64.2	50.7	37.0	38.0	38.0
8-9 PM	938	0.0	113	0.0	1500	938	0	113	0.51	0	64.6	61.8	41.9	38.3	38.3
9-10 PM	772	0.0	94	0.0	1500	772	0	94	0.50	0	65.0	62.2	42.5	38.6	38.6
10-11 PM	488	0.0	59	0.0	1500	488	0	59	0.47	0	65.5	62.8	43.5	39.0	39.0
11PM-MID	383	0.0	46	0.0	1500	383	0	46	0.46	0	65.7	63.0	44.0	39.2	39.2

----- 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	0.0437
MAIN ROUTE WITH WORKS	0.0391
DIVERSION	0.0737

PIA: Personal Injury Accidents

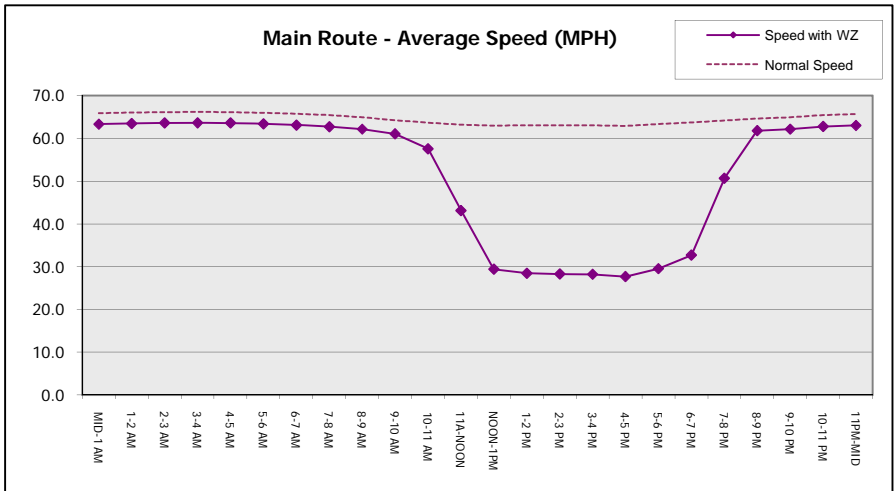
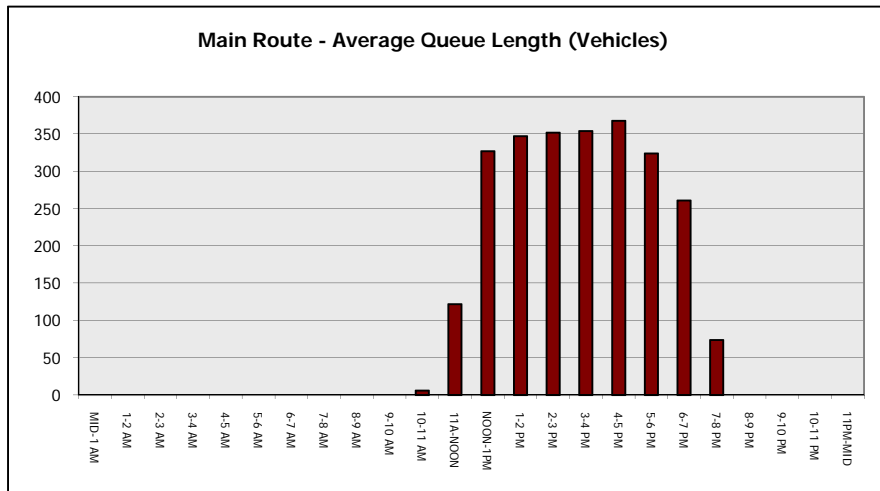
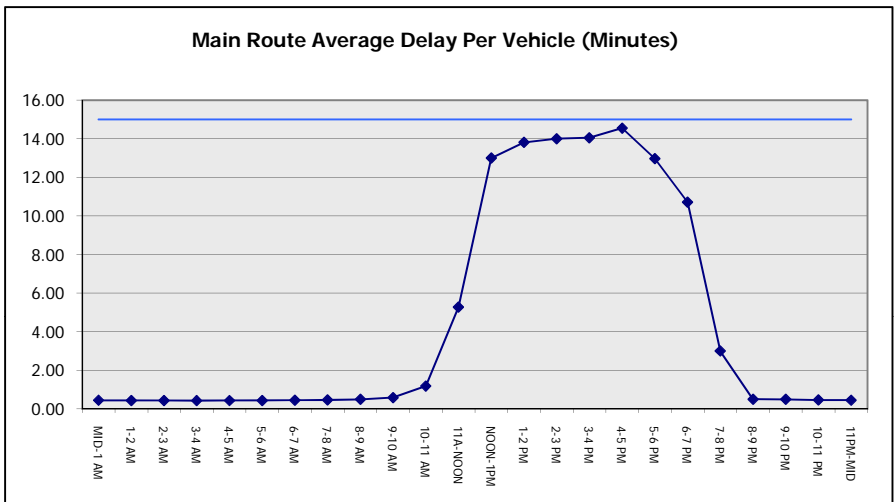
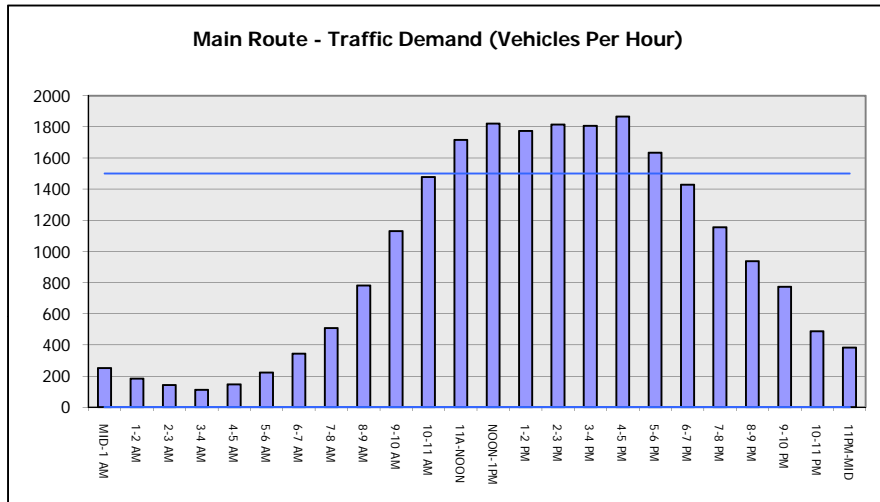
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$54,598
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

**IH 39/90: STH 73 TO USH 14 (ROCK AND DANE COUNTIES)
 CONTINUOUS (24 HOUR) 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) CONTINUOUS (24 HOUR) CLOSURE DIVERSION ROUTE: USH 14 - USH 51	OCTOBER
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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		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	289	0.0	35	0.0	1500	289	0	35	0.45	0	65.8	63.2	44.3	39.3	39.3
1-2 AM	222	0.0	27	0.0	1500	222	0	27	0.44	0	66.0	63.4	44.6	39.4	39.4
2-3 AM	180	0.0	22	0.0	1500	180	0	22	0.44	0	66.1	63.5	44.8	39.5	39.5
3-4 AM	151	0.0	19	0.0	1500	151	0	19	0.44	0	66.1	63.5	44.9	39.5	39.5
4-5 AM	153	0.0	19	0.0	1500	153	0	19	0.44	0	66.1	63.5	44.9	39.5	39.5
5-6 AM	191	0.0	24	0.0	1500	191	0	24	0.44	0	66.0	63.5	44.7	39.4	39.4
6-7 AM	318	0.0	38	0.0	1500	318	0	38	0.45	0	65.8	63.2	44.2	39.2	39.2
7-8 AM	529	0.0	64	0.0	1500	529	0	64	0.47	0	65.4	62.7	43.4	38.9	38.9
8-9 AM	901	0.0	109	0.0	1500	901	0	109	0.51	0	64.7	61.9	42.0	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	1499	1355	209	398	12.96	325	63.5	29.6	30.8	37.4	34.8
8-9 PM	1157	0.0	140	0.0	1499	1157	0	140	4.79	127	64.2	45.0	35.5	38.0	38.0
9-10 PM	778	0.0	95	0.0	1500	778	0	95	0.50	0	65.0	62.2	42.5	38.6	38.6
10-11 PM	530	0.0	64	0.0	1500	530	0	64	0.47	0	65.4	62.7	43.4	38.9	38.9
11PM-MID	383	0.0	46	0.0	1500	383	0	46	0.46	0	65.7	63.0	44.0	39.2	39.2

+ 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	0.0413
DIVERSION	0.1972

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$163,998
CONGESTED HOURS PER DAY*	8

*Delays Exceeding 15 Minutes

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 CONTINUOUS (24 HOUR) CLOSURE
 DIVERSION ROUTE: USH 14 - USH 51**

OCTOBER
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 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY EASTBOUND DIRECTION

