

IH 39/90: STH 73 TO USH 14 (ROCK AND DANE COUNTIES) CONTINUOUS (24 HOUR) CLOSURE DIVERSION ROUTE: USH 14 - USH 51	AUGUST
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

SATURDAY 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	480	0.0	58	0.0	1500	480	0	58	0.47	0	65.5	62.8	43.6	39.0	39.0
1-2 AM	374	0.0	45	0.0	1500	374	0	45	0.46	0	65.7	63.0	44.0	39.2	39.2
2-3 AM	362	0.0	44	0.0	1500	362	0	44	0.46	0	65.7	63.1	44.0	39.2	39.2
3-4 AM	305	0.0	37	0.0	1500	305	0	37	0.45	0	65.8	63.2	44.3	39.3	39.3
4-5 AM	341	0.0	41	0.0	1500	341	0	41	0.46	0	65.8	63.1	44.2	39.2	39.2
5-6 AM	535	0.0	65	0.0	1500	535	0	65	0.47	0	65.4	62.7	43.3	38.9	38.9
6-7 AM	859	0.0	104	0.0	1500	859	0	104	0.51	0	64.8	62.0	42.2	38.4	38.4
7-8 AM	1317	0.0	160	0.0	1499	1317	0	160	0.78	0	64.0	59.7	35.3	37.8	37.8
8-9 AM	1795	0.0	217	0.0	1499	1795	0	217	4.87	118	63.0	44.2	30.8	37.1	37.1
9-10 AM	2257	0.0	273	0.0	1499	1729	529	802	16.81	436	62.2	25.3	30.8	36.3	29.8
10-11 AM	2518	0.0	305	0.0	1499	1611	906	1211+	22.37	591	60.7	21.1	30.8	36.0	24.7
11A-NOON	2423	0.0	293	0.0	1499	1453	970	1263+	23.48	615	61.7	20.5	30.8	36.1	24.0
NOON-1PM	2210	0.0	268	0.0	1499	1399	811	1079	20.54	534	62.3	22.4	30.8	36.4	26.3
1-2 PM	2004	0.0	243	0.0	1500	1421	584	827	17.20	441	62.7	25.1	30.8	36.7	29.5
2-3 PM	1847	0.0	223	0.0	1500	1450	397	620	14.95	379	63.0	27.3	30.8	36.9	32.0
3-4 PM	1711	0.0	207	0.0	1500	1461	250	456	13.43	336	63.2	29.0	30.8	37.2	34.1
4-5 PM	1543	0.0	186	0.0	1499	1458	85	271	11.91	294	63.5	30.9	30.8	37.4	36.4
5-6 PM	1394	0.0	169	0.0	1499	1394	0	169	9.66	234	63.8	34.3	30.8	37.6	37.6
6-7 PM	1228	0.0	148	0.0	1499	1228	0	148	2.76	62	64.1	51.4	35.5	37.9	37.9
7-8 PM	1041	0.0	126	0.0	1500	1041	0	126	0.52	0	64.5	61.5	41.5	38.2	38.2
8-9 PM	970	0.0	117	0.0	1500	970	0	117	0.52	0	64.6	61.7	41.8	38.3	38.3
9-10 PM	793	0.0	96	0.0	1500	793	0	96	0.50	0	64.9	62.1	42.4	38.6	38.6
10-11 PM	583	0.0	71	0.0	1500	583	0	71	0.48	0	65.3	62.6	43.2	38.9	38.9
11PM-MID	453	0.0	55	0.0	1500	453	0	55	0.47	0	65.5	62.8	43.7	39.1	39.1

+ INDICATES DIVERSION FLOW EXCEEDS USER-SPECIFIED WARNING LIMIT

----- 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	0.0560
MAIN ROUTE WITH WORKS	0.0457
DIVERSION	0.1338

PIA: Personal Injury Accidents

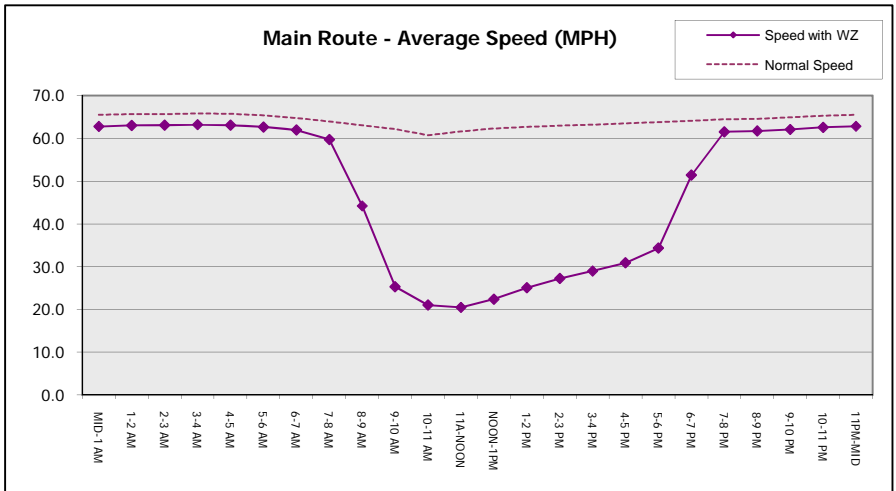
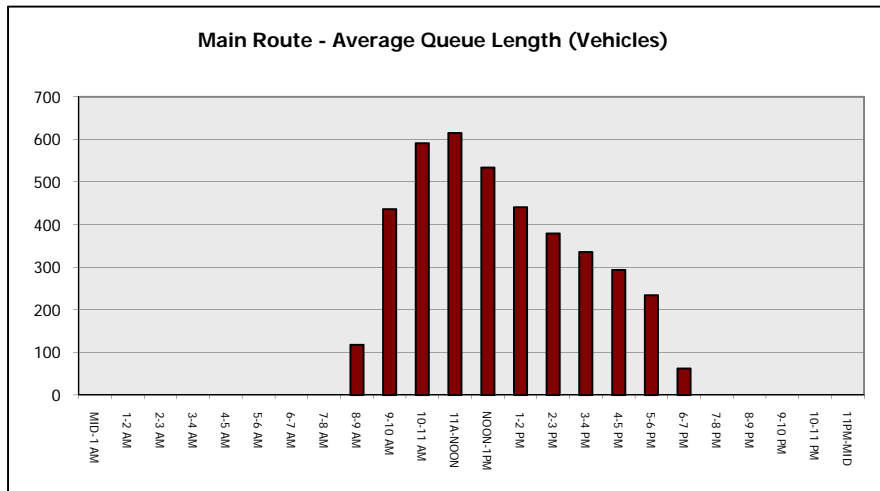
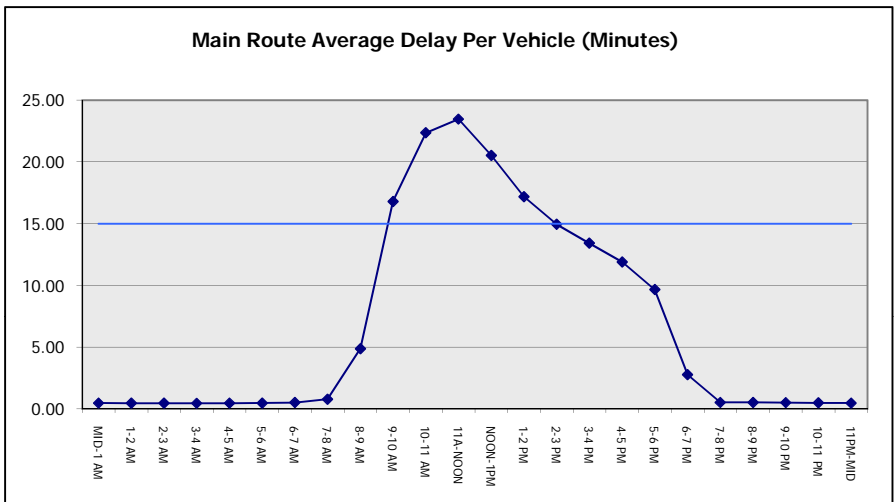
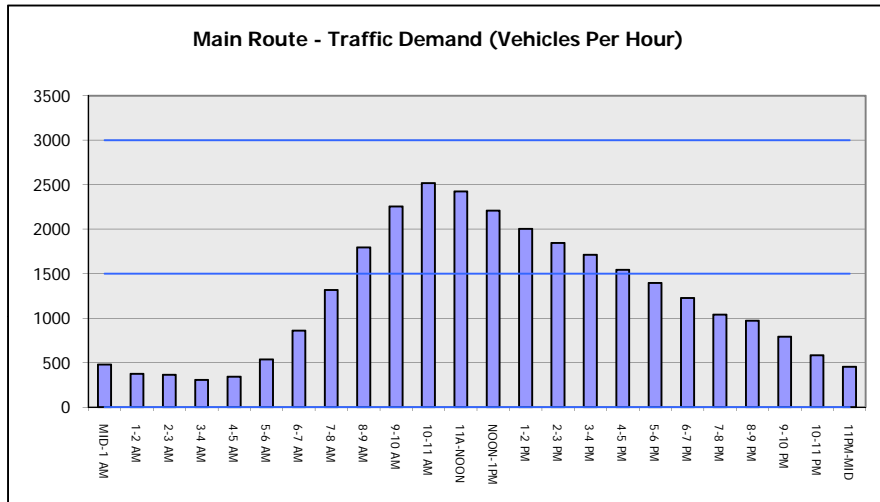
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$98,698
CONGESTED HOURS PER DAY*	5

*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**

AUGUST
Analyzed for 2009
Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SATURDAY WESTBOUND DIRECTION



IH 39/90: STH 73 TO USH 14 (ROCK AND DANE COUNTIES) CONTINUOUS (24 HOUR) CLOSURE DIVERSION ROUTE: USH 14 - USH 51	AUGUST
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

SATURDAY EASTBOUND DIRECTION

TIME OF DAY	FLOWS AND CAPACITY IN VEH/HR							AVERAGE SPEEDS IN MPH			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	499	0.0	61	0.0	1500	499	0	61	0.47	0	65.5	62.8	43.5	39.0	39.0
1-2 AM	344	0.0	41	0.0	1500	344	0	41	0.46	0	65.8	63.1	44.1	39.2	39.2
2-3 AM	328	0.0	40	0.0	1500	328	0	40	0.45	0	65.8	63.2	44.2	39.2	39.2
3-4 AM	315	0.0	38	0.0	1500	315	0	38	0.45	0	65.8	63.2	44.2	39.2	39.2
4-5 AM	334	0.0	40	0.0	1500	334	0	40	0.45	0	65.8	63.2	44.2	39.2	39.2
5-6 AM	343	0.0	41	0.0	1500	343	0	41	0.46	0	65.8	63.1	44.1	39.2	39.2
6-7 AM	521	0.0	63	0.0	1500	521	0	63	0.47	0	65.4	62.7	43.4	38.9	38.9
7-8 AM	852	0.0	103	0.0	1500	852	0	103	0.50	0	64.8	62.0	42.2	38.4	38.4
8-9 AM	1188	0.0	144	0.0	1499	1188	0	144	0.63	0	64.1	60.7	38.8	37.9	37.9
9-10 AM	1545	0.0	187	0.0	1499	1545	0	187	1.59	17	63.5	55.7	31.3	37.4	37.4
10-11 AM	1952	0.0	236	0.0	1500	1830	122	358	9.77	254	62.7	33.9	30.8	36.8	35.3
11A-NOON	2162	0.0	261	0.0	1499	1583	579	840	17.31	445	62.3	25.0	30.8	36.5	29.3
NOON-1PM	2382	0.0	288	0.0	1500	1588	793	1082	20.52	534	62.0	22.4	30.8	36.1	26.3
1-2 PM	2412	0.0	292	0.0	1499	1511	901	1193	22.28	582	61.8	21.2	30.8	36.1	24.9
2-3 PM	2274	0.0	275	0.0	1499	1439	835	1109	20.98	545	62.2	22.1	30.8	36.3	26.0
3-4 PM	2288	0.0	277	0.0	1500	1499	789	1066	20.31	527	62.1	22.5	30.8	36.3	26.5
4-5 PM	2080	0.0	252	0.0	1499	1417	664	916	18.29	472	62.5	24.2	30.8	36.6	28.4
5-6 PM	1991	0.0	241	0.0	1500	1461	529	770	16.54	423	62.7	25.7	30.8	36.8	30.2
6-7 PM	1634	0.0	198	0.0	1499	1393	241	438	13.29	333	63.3	29.2	30.8	37.3	34.3
7-8 PM	1375	0.0	167	0.0	1499	1368	7	174	9.72	236	63.8	34.3	30.8	37.7	37.6
8-9 PM	1219	0.0	147	0.0	1499	1219	0	147	2.44	52	64.1	52.7	36.0	37.9	37.9
9-10 PM	1035	0.0	126	0.0	1500	1035	0	126	0.52	0	64.5	61.6	41.5	38.2	38.2
10-11 PM	820	0.0	99	0.0	1500	820	0	99	0.50	0	64.8	62.0	42.3	38.5	38.5
11PM-MID	579	0.0	70	0.0	1500	579	0	70	0.48	0	65.3	62.6	43.2	38.9	38.9

----- 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	0.0582
MAIN ROUTE WITH WORKS	0.0461
DIVERSION	0.1515

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$110,154
CONGESTED HOURS PER DAY*	7

*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

AUGUST
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SATURDAY EASTBOUND DIRECTION

