

IH 39/90: STH 73 TO USH 14 (ROCK AND DANE COUNTIES) CONTINUOUS (24 HOUR) CLOSURE DIVERSION ROUTE: USH 14 - USH 51	MAY
	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	437	0.0	53	0.0	1500	437	0	53	0.46	0	65.6	62.9	43.7	39.1	39.1
1-2 AM	325	0.0	39	0.0	1500	325	0	39	0.45	0	65.8	63.2	44.2	39.2	39.2
2-3 AM	303	0.0	37	0.0	1500	303	0	37	0.45	0	65.8	63.2	44.3	39.3	39.3
3-4 AM	266	0.0	32	0.0	1500	266	0	32	0.45	0	65.9	63.3	44.4	39.4	39.4
4-5 AM	346	0.0	42	0.0	1500	346	0	42	0.46	0	65.8	63.1	44.1	39.2	39.2
5-6 AM	568	0.0	69	0.0	1500	568	0	69	0.48	0	65.3	62.6	43.2	38.9	38.9
6-7 AM	890	0.0	108	0.0	1500	890	0	108	0.51	0	64.7	61.9	42.0	38.4	38.4
7-8 AM	1170	0.0	142	0.0	1499	1170	0	142	0.61	0	64.2	60.9	39.2	38.0	38.0
8-9 AM	1469	0.0	178	0.0	1499	1469	0	178	1.11	4	63.7	57.9	31.9	37.5	37.5
9-10 AM	1693	0.0	205	0.0	1500	1693	0	205	4.56	102	63.2	45.1	30.8	37.2	37.2
10-11 AM	1836	0.0	222	0.0	1500	1652	184	406	12.63	318	63.0	29.9	30.8	37.0	34.7
11A-NOON	1782	0.0	215	0.0	1499	1478	304	519	13.98	352	63.1	28.3	30.8	37.1	33.3
NOON-1PM	1615	0.0	196	0.0	1499	1457	158	353	12.56	312	63.4	30.1	30.8	37.3	35.3
1-2 PM	1592	0.0	193	0.0	1500	1496	97	290	12.04	298	63.4	30.7	30.8	37.3	36.1
2-3 PM	1477	0.0	179	0.0	1499	1458	19	198	11.19	274	63.7	32.0	30.8	37.5	37.3
3-4 PM	1356	0.0	164	0.0	1499	1356	0	164	7.74	183	63.8	37.8	30.8	37.7	37.7
4-5 PM	1352	0.0	164	0.0	1500	1352	0	164	2.39	43	63.8	52.7	32.8	37.7	37.7
5-6 PM	1195	0.0	144	0.0	1500	1195	0	144	0.63	0	64.1	60.7	38.6	37.9	37.9
6-7 PM	1039	0.0	126	0.0	1500	1039	0	126	0.52	0	64.5	61.5	41.5	38.2	38.2
7-8 PM	871	0.0	105	0.0	1500	871	0	105	0.51	0	64.8	61.9	42.2	38.4	38.4
8-9 PM	766	0.0	93	0.0	1500	766	0	93	0.50	0	65.0	62.2	42.5	38.6	38.6
9-10 PM	643	0.0	78	0.0	1500	643	0	78	0.48	0	65.2	62.5	43.0	38.8	38.8
10-11 PM	455	0.0	55	0.0	1500	455	0	55	0.47	0	65.5	62.8	43.7	39.1	39.1
11PM-MID	352	0.0	42	0.0	1500	352	0	42	0.46	0	65.7	63.1	44.1	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	0.0454
MAIN ROUTE WITH WORKS	0.0425
DIVERSION	0.0603

PIA: Personal Injury Accidents

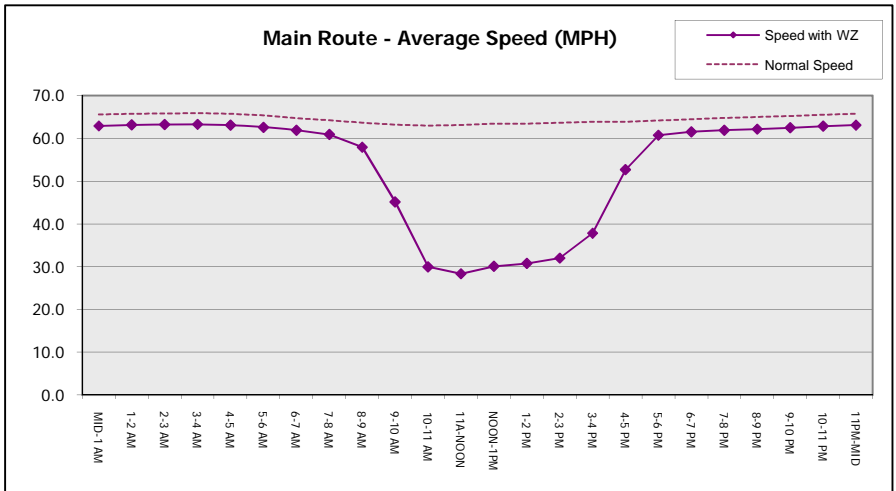
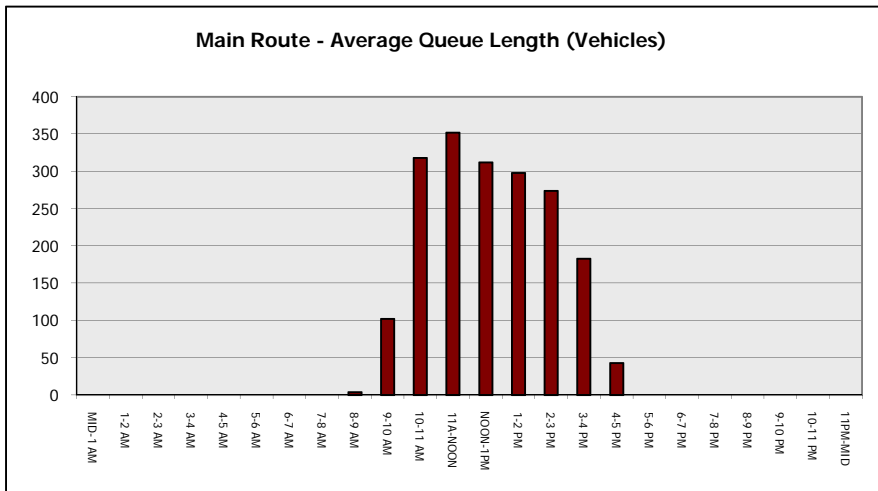
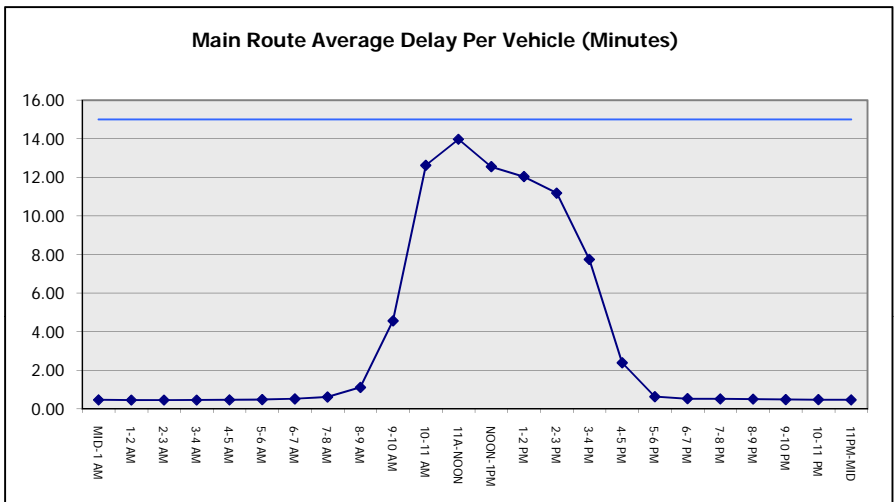
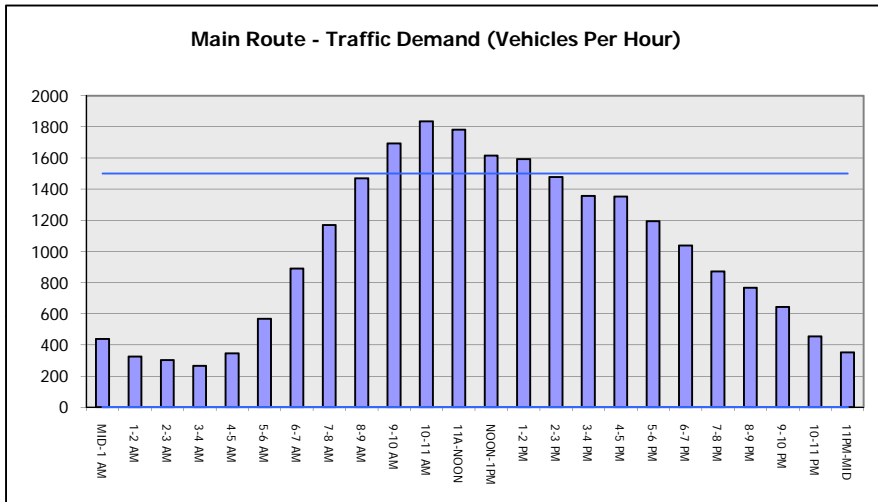
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$37,322
CONGESTED HOURS PER DAY*	0

*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**

MAY
 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	MAY
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SUMMARY OF TRAFFIC MODEL OUTPUT

SATURDAY 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	375	0.0	45	0.0	1500	375	0	45	0.46	0	65.7	63.0	44.0	39.2	39.2
1-2 AM	273	0.0	33	0.0	1500	273	0	33	0.45	0	65.9	63.3	44.4	39.3	39.3
2-3 AM	262	0.0	32	0.0	1500	262	0	32	0.45	0	65.9	63.3	44.4	39.4	39.4
3-4 AM	278	0.0	34	0.0	1500	278	0	34	0.45	0	65.9	63.3	44.4	39.3	39.3
4-5 AM	282	0.0	34	0.0	1500	282	0	34	0.45	0	65.9	63.3	44.3	39.3	39.3
5-6 AM	319	0.0	38	0.0	1500	319	0	38	0.45	0	65.8	63.2	44.2	39.2	39.2
6-7 AM	489	0.0	60	0.0	1500	489	0	60	0.47	0	65.5	62.8	43.5	39.0	39.0
7-8 AM	765	0.0	93	0.0	1500	765	0	93	0.50	0	65.0	62.2	42.5	38.6	38.6
8-9 AM	1044	0.0	127	0.0	1500	1044	0	127	0.52	0	64.5	61.5	41.5	38.2	38.2
9-10 AM	1262	0.0	152	0.0	1500	1262	0	152	0.72	0	64.0	60.2	36.6	37.9	37.9
10-11 AM	1373	0.0	166	0.0	1500	1373	0	166	0.86	0	63.8	59.3	33.6	37.7	37.7
11A-NOON	1445	0.0	175	0.0	1500	1445	0	175	0.95	0	63.7	58.7	31.9	37.6	37.6
NOON-1PM	1413	0.0	171	0.0	1500	1413	0	171	0.91	0	63.8	59.0	32.7	37.6	37.6
1-2 PM	1416	0.0	172	0.0	1500	1416	0	172	0.92	0	63.8	58.9	32.6	37.6	37.6
2-3 PM	1386	0.0	168	0.0	1500	1386	0	168	0.88	0	63.8	59.2	33.3	37.6	37.6
3-4 PM	1343	0.0	163	0.0	1500	1343	0	163	0.82	0	63.9	59.6	34.3	37.7	37.7
4-5 PM	1335	0.0	162	0.0	1500	1335	0	162	0.81	0	63.9	59.6	34.6	37.8	37.8
5-6 PM	1171	0.0	142	0.0	1500	1171	0	142	0.60	0	64.2	60.9	39.4	38.0	38.0
6-7 PM	1036	0.0	126	0.0	1500	1036	0	126	0.52	0	64.5	61.6	41.5	38.2	38.2
7-8 PM	912	0.0	110	0.0	1500	912	0	110	0.51	0	64.7	61.9	42.0	38.4	38.4
8-9 PM	825	0.0	100	0.0	1500	825	0	100	0.50	0	64.8	62.0	42.3	38.5	38.5
9-10 PM	717	0.0	87	0.0	1500	717	0	87	0.49	0	65.0	62.3	42.7	38.7	38.7
10-11 PM	580	0.0	70	0.0	1500	580	0	70	0.48	0	65.3	62.6	43.2	38.9	38.9
11PM-MID	424	0.0	52	0.0	1500	424	0	52	0.46	0	65.6	62.9	43.8	39.1	39.1

----- 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	0.0396
MAIN ROUTE WITH WORKS	0.0382
DIVERSION	0.0416

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$4,055
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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

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 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT

SATURDAY EASTBOUND DIRECTION

