

**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

MON-THUR 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	303	0.0	37	0.0	1500	303	0	37	0.45	0	65.8	63.2	44.3	39.3	39.3
1-2 AM	248	0.0	30	0.0	1500	248	0	30	0.45	0	66.0	63.3	44.5	39.4	39.4
2-3 AM	287	0.0	35	0.0	1500	287	0	35	0.45	0	65.8	63.2	44.3	39.3	39.3
3-4 AM	291	0.0	35	0.0	1500	291	0	35	0.45	0	65.8	63.2	44.3	39.3	39.3
4-5 AM	458	0.0	56	0.0	1500	458	0	56	0.47	0	65.5	62.8	43.7	39.1	39.1
5-6 AM	871	0.0	106	0.0	1500	871	0	106	0.51	0	64.8	61.9	42.2	38.4	38.4
6-7 AM	1323	0.0	161	0.0	1500	1323	0	161	0.80	0	63.9	59.7	34.9	37.8	37.8
7-8 AM	1370	0.0	166	0.0	1500	1370	0	166	0.86	0	63.8	59.3	33.7	37.7	37.7
8-9 AM	1185	0.0	143	0.0	1500	1185	0	143	0.62	0	64.1	60.9	38.9	37.9	37.9
9-10 AM	1169	0.0	141	0.0	1500	1169	0	141	0.60	0	64.2	61.0	39.4	38.0	38.0
10-11 AM	1242	0.0	150	0.0	1500	1242	0	150	0.69	0	64.1	60.4	37.1	37.9	37.9
11A-NOON	1289	0.0	155	0.0	1500	1289	0	155	0.75	0	64.0	60.0	35.8	37.8	37.8
NOON-1PM	1287	0.0	155	0.0	1500	1287	0	155	0.75	0	64.0	60.0	35.9	37.8	37.8
1-2 PM	1351	0.0	164	0.0	1500	1351	0	164	0.83	0	63.8	59.5	34.2	37.7	37.7
2-3 PM	1379	0.0	167	0.0	1499	1379	0	167	0.87	0	63.8	59.2	33.5	37.7	37.7
3-4 PM	1507	0.0	182	0.0	1499	1507	0	182	1.14	3	63.6	57.8	30.9	37.5	37.5
4-5 PM	1538	0.0	185	0.0	1500	1538	0	185	2.44	38	63.5	52.3	30.8	37.4	37.4
5-6 PM	1305	0.0	157	0.0	1500	1305	0	158	1.14	10	64.0	58.1	35.0	37.8	37.8
6-7 PM	1020	0.0	122	0.0	1500	1020	0	122	0.52	0	64.5	61.6	41.6	38.3	38.3
7-8 PM	867	0.0	105	0.0	1500	867	0	105	0.51	0	64.8	62.0	42.2	38.4	38.4
8-9 PM	793	0.0	96	0.0	1500	793	0	96	0.50	0	64.9	62.1	42.4	38.6	38.6
9-10 PM	668	0.0	80	0.0	1500	668	0	80	0.49	0	65.1	62.4	42.8	38.8	38.8
10-11 PM	521	0.0	63	0.0	1500	521	0	63	0.47	0	65.4	62.7	43.4	38.9	38.9
11PM-MID	346	0.0	42	0.0	1500	346	0	42	0.46	0	65.8	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	0.0432
MAIN ROUTE WITH WORKS	0.0417
DIVERSION	0.0453

PIA: Personal Injury Accidents

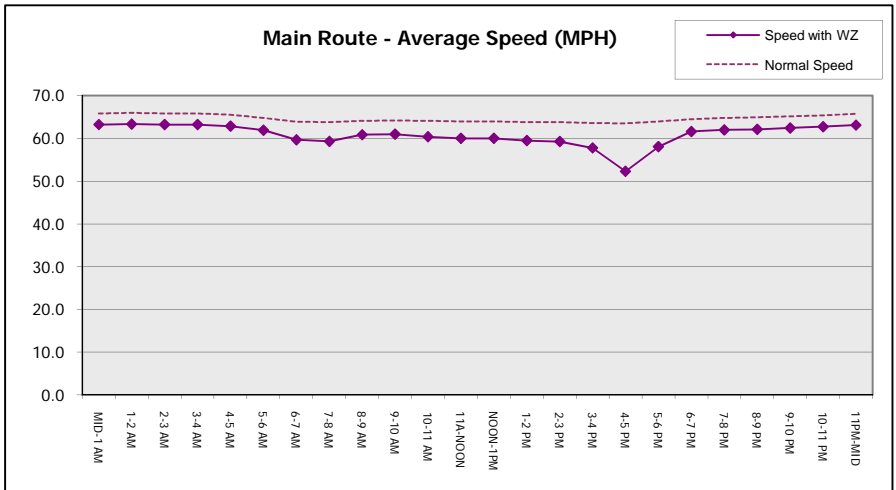
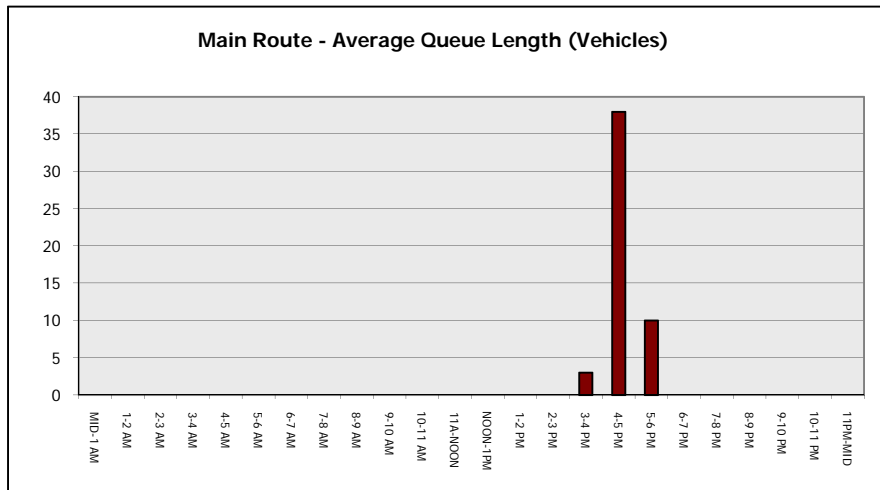
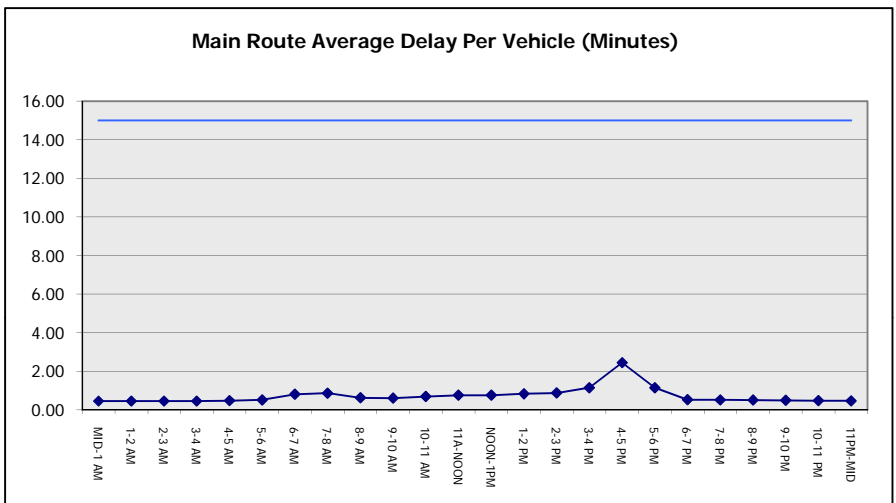
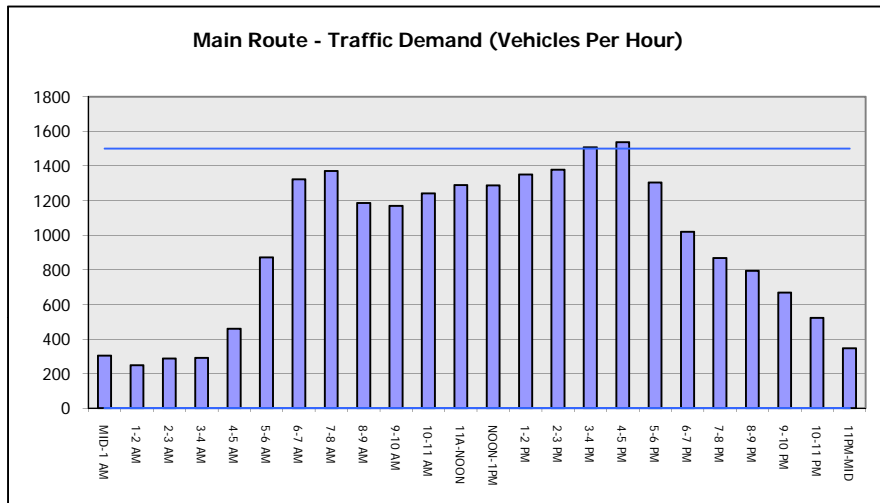
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$4,206
CONGESTED HOURS PER DAY*	0

*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
MON-THUR 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
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

MON-THUR 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	299	0.0	36	0.0	1500	299	0	36	0.45	0	65.8	63.2	44.3	39.3	39.3
1-2 AM	250	0.0	31	0.0	1500	250	0	31	0.45	0	65.9	63.3	44.5	39.4	39.4
2-3 AM	274	0.0	34	0.0	1500	274	0	34	0.45	0	65.9	63.3	44.4	39.3	39.3
3-4 AM	332	0.0	40	0.0	1500	332	0	40	0.45	0	65.8	63.2	44.2	39.2	39.2
4-5 AM	429	0.0	52	0.0	1500	429	0	52	0.46	0	65.6	62.9	43.8	39.1	39.1
5-6 AM	626	0.0	76	0.0	1500	626	0	76	0.48	0	65.2	62.5	43.0	38.8	38.8
6-7 AM	917	0.0	111	0.0	1500	917	0	111	0.51	0	64.6	61.9	42.0	38.4	38.4
7-8 AM	1205	0.0	146	0.0	1500	1205	0	146	0.64	0	64.1	60.7	38.3	37.9	37.9
8-9 AM	1164	0.0	141	0.0	1500	1164	0	141	0.59	0	64.2	61.0	39.6	38.0	38.0
9-10 AM	1222	0.0	147	0.0	1500	1222	0	147	0.66	0	64.1	60.5	37.8	37.9	37.9
10-11 AM	1289	0.0	155	0.0	1500	1289	0	155	0.75	0	64.0	60.0	35.8	37.8	37.8
11A-NOON	1371	0.0	166	0.0	1500	1371	0	166	0.86	0	63.8	59.3	33.7	37.7	37.7
NOON-1PM	1440	0.0	174	0.0	1499	1440	0	174	0.95	0	63.7	58.7	32.0	37.6	37.6
1-2 PM	1546	0.0	186	0.0	1499	1546	0	186	1.57	15	63.5	55.8	30.8	37.4	37.4
2-3 PM	1688	0.0	204	0.0	1500	1688	0	204	5.61	130	63.2	42.4	30.8	37.2	37.2
3-4 PM	1872	0.0	226	0.0	1499	1644	229	455	13.21	333	62.9	29.2	30.8	36.9	34.1
4-5 PM	1942	0.0	235	0.0	1499	1513	429	664	15.38	391	62.8	26.8	30.8	36.8	31.5
5-6 PM	1759	0.0	213	0.0	1499	1433	327	540	14.19	358	63.1	28.1	30.8	37.1	33.0
6-7 PM	1305	0.0	159	0.0	1499	1279	27	185	9.15	226	64.0	35.3	31.6	37.8	37.4
7-8 PM	998	0.0	121	0.0	1500	998	0	122	0.91	11	64.5	59.7	41.5	38.3	38.3
8-9 PM	821	0.0	99	0.0	1500	821	0	99	0.50	0	64.8	62.0	42.3	38.5	38.5
9-10 PM	687	0.0	83	0.0	1500	687	0	83	0.49	0	65.1	62.3	42.8	38.7	38.7
10-11 PM	521	0.0	63	0.0	1500	521	0	63	0.47	0	65.4	62.7	43.4	38.9	38.9
11PM-MID	361	0.0	43	0.0	1500	361	0	43	0.46	0	65.7	63.1	44.0	39.2	39.2

----- 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	0.0464
MAIN ROUTE WITH WORKS	0.0430
DIVERSION	0.0655

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$24,942
CONGESTED HOURS PER DAY*	1

*Delays Exceeding 15 Minutes

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 CONTINUOUS (24 HOUR) CLOSURE
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 Construction Season

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MON-THUR EASTBOUND DIRECTION

