

IH 39/90: STH 73 TO USH 14 (ROCK AND DANE COUNTIES) NIGHTTIME CLOSURE DIVERSION ROUTE: USH 14 - USH 51	AUGUST
	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	313	0.0	38	0.0	1500	313	0	38	0.45	0	65.8	63.2	44.2	39.2	39.2
1-2 AM	203	0.0	25	0.0	1500	203	0	25	0.44	0	66.0	63.4	44.6	39.4	39.4
2-3 AM	188	0.0	23	0.0	1500	188	0	23	0.44	0	66.0	63.5	44.7	39.4	39.4
3-4 AM	146	0.0	17	0.0	1500	146	0	17	0.44	0	66.1	63.6	44.9	39.6	39.6
4-5 AM	168	0.0	21	0.0	1500	168	0	21	0.44	0	66.1	63.5	44.8	39.5	39.5
5-6 AM	238	0.0	29	0.0	1500	238	0	29	0.45	0	66.0	63.3	44.5	39.4	39.4
6-7 AM	375	0.0	45	0.0	1500	375	0	45	0.46	0	65.7	63.0	44.0	39.2	39.2
7-8 AM	658	0.0	79	0.0	1500	658	0	79	0.49	0	65.1	62.4	42.9	38.8	38.8
8-9 AM	1033	0.0	125	0.0	1499	1033	0	125	0.54	0	64.5	61.5	41.2	38.2	38.2
9-10 AM	1539	0.0	186	0.0	OFF	1539	0	186	0.00	0	63.5	63.5	63.5	37.4	37.4
10-11 AM	1940	0.0	235	0.0	OFF	1940	0	235	0.00	0	62.8	62.8	62.8	36.8	36.8
11A-NOON	2166	0.0	262	0.0	OFF	2166	0	262	0.00	0	62.3	62.3	62.3	36.5	36.5
NOON-1PM	2292	0.0	277	0.0	OFF	2292	0	277	0.00	0	62.1	62.1	62.1	36.3	36.3
1-2 PM	2277	0.0	276	0.0	OFF	2277	0	276	0.00	0	62.2	62.2	62.2	36.3	36.3
2-3 PM	2235	0.0	271	0.0	OFF	2235	0	271	0.00	0	62.2	62.2	62.2	36.4	36.4
3-4 PM	1989	0.0	241	0.0	OFF	1989	0	241	0.00	0	62.7	62.7	62.7	36.8	36.8
4-5 PM	1887	0.0	228	0.0	OFF	1887	0	228	0.00	0	62.8	62.8	62.8	36.9	36.9
5-6 PM	1636	0.0	198	0.0	OFF	1636	0	198	0.00	0	63.3	63.3	63.3	37.3	37.3
6-7 PM	1408	0.0	171	0.0	OFF	1408	0	171	0.00	0	63.8	63.8	63.8	37.6	37.6
7-8 PM	1407	0.0	170	0.0	1500	1407	0	170	0.90	0	63.8	59.1	32.8	37.6	37.6
8-9 PM	1161	0.0	141	0.0	1500	1161	0	141	0.59	0	64.2	61.0	39.7	38.0	38.0
9-10 PM	881	0.0	107	0.0	1500	881	0	107	0.51	0	64.8	61.9	42.1	38.4	38.4
10-11 PM	680	0.0	82	0.0	1500	680	0	82	0.49	0	65.1	62.3	42.8	38.8	38.8
11PM-MID	502	0.0	61	0.0	1500	502	0	61	0.47	0	65.5	62.8	43.5	39.0	39.0

"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	0.0522
MAIN ROUTE WITH WORKS	0.0516
DIVERSION	0.0548

PIA: Personal Injury Accidents

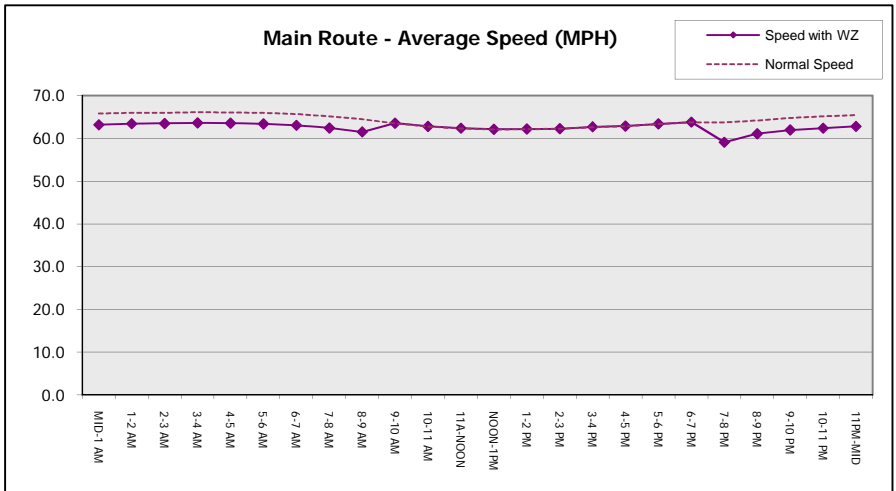
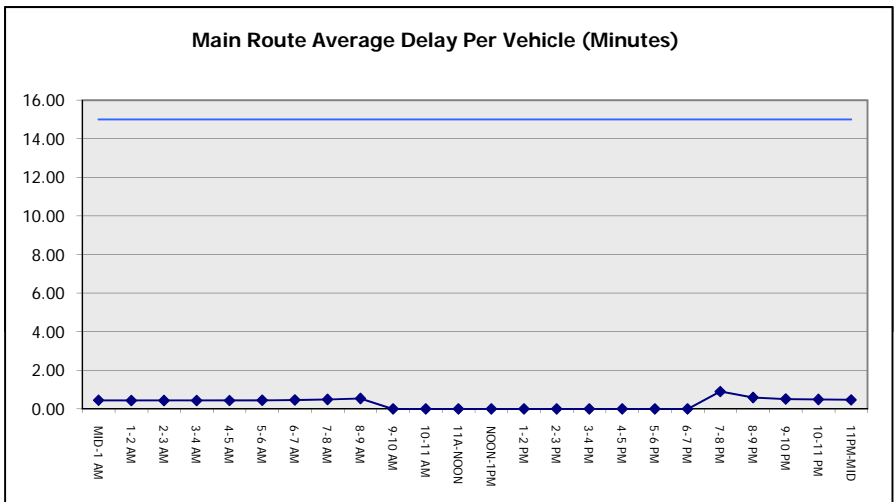
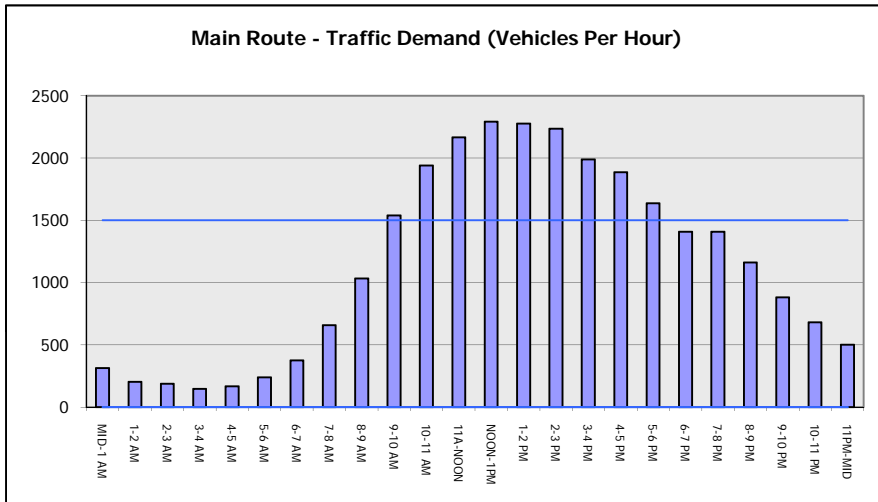
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$1,270
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

IH 39/90: STH 73 TO USH 14 (ROCK AND DANE COUNTIES)
NIGHTTIME CLOSURE
DIVERSION ROUTE: USH 14 - USH 51

AUGUST
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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY WESTBOUND DIRECTION



IH 39/90: STH 73 TO USH 14 (ROCK AND DANE COUNTIES) NIGHTTIME CLOSURE DIVERSION ROUTE: USH 14 - USH 51	AUGUST
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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	379	0.0	46	0.0	1500	379	0	46	0.46	0	65.7	63.0	44.0	39.2	39.2
1-2 AM	303	0.0	37	0.0	1500	303	0	37	0.45	0	65.8	63.2	44.3	39.3	39.3
2-3 AM	261	0.0	32	0.0	1500	261	0	32	0.45	0	65.9	63.3	44.5	39.4	39.4
3-4 AM	205	0.0	25	0.0	1500	205	0	25	0.44	0	66.0	63.4	44.6	39.4	39.4
4-5 AM	183	0.0	23	0.0	1500	183	0	23	0.44	0	66.1	63.5	44.8	39.4	39.4
5-6 AM	212	0.0	26	0.0	1500	212	0	26	0.44	0	66.0	63.4	44.6	39.4	39.4
6-7 AM	385	0.0	46	0.0	1500	385	0	46	0.46	0	65.6	63.0	44.0	39.2	39.2
7-8 AM	645	0.0	78	0.0	1500	645	0	78	0.48	0	65.2	62.4	43.0	38.8	38.8
8-9 AM	1028	0.0	125	0.0	1499	1028	0	125	0.54	0	64.5	61.5	41.1	38.2	38.2
9-10 AM	1605	0.0	195	0.0	OFF	1605	0	195	0.00	0	63.4	63.4	63.4	37.3	37.3
10-11 AM	2312	0.0	280	0.0	OFF	2312	0	280	0.00	0	62.1	62.1	62.1	36.3	36.3
11A-NOON	2813	0.0	341	0.0	OFF	2813	0	341	0.00	0	57.7	57.7	57.7	35.5	35.5
NOON-1PM	2967	0.0	359	0.0	OFF	2967	0	359	0.00	0	56.1	56.1	56.1	35.3	35.3
1-2 PM	3089	0.0	374	0.0	OFF	3089	0	374	0.00	0	54.8	54.8	54.8	35.1	35.1
2-3 PM	3141	0.0	380	0.0	OFF	3141	0	380	0.00	0	54.3	54.3	54.3	35.0	35.0
3-4 PM	3233	0.0	391	0.0	OFF	3233	0	391	0.00	0	53.4	53.4	53.4	34.9	34.9
4-5 PM	2980	0.0	360	0.0	OFF	2980	0	360	0.00	0	56.0	56.0	56.0	35.3	35.3
5-6 PM	2972	0.0	359	0.0	OFF	2972	0	359	0.00	0	56.1	56.1	56.1	35.3	35.3
6-7 PM	2793	0.0	338	0.0	OFF	2793	0	338	0.00	0	57.9	57.9	57.9	35.5	35.5
7-8 PM	2441	0.0	295	0.0	1499	2043	398	693	14.54	396	61.5	27.4	30.8	36.1	31.1
8-9 PM	2012	0.0	244	0.0	1499	1351	661	905	18.18	470	62.7	24.3	30.8	36.7	28.5
9-10 PM	1425	0.0	172	0.0	1500	1291	133	305	11.54	288	63.7	31.5	30.8	37.6	36.0
10-11 PM	866	0.0	105	0.0	1500	866	0	105	1.48	32	64.8	57.1	41.9	38.4	38.4
11PM-MID	601	0.0	73	0.0	1500	601	0	73	0.48	0	65.3	62.5	43.1	38.8	38.8

"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	0.0742
MAIN ROUTE WITH WORKS	0.0713
DIVERSION	0.0976

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$25,450
CONGESTED HOURS PER DAY*	1

*Delays Exceeding 15 Minutes

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NIGHTTIME CLOSURE
DIVERSION ROUTE: USH 14 - USH 51

AUGUST
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 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY EASTBOUND DIRECTION

