

<b>IH 39/90: BELTLINE TO STH 73 (DANE COUNTY)</b> <b>NIGHTTIME CLOSURE</b> <b>DIVERSION ROUTE: STH 73 - USH 12</b>	<b>AUGUST</b>
	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	571	0.0	103	0.0	1500	571	0	103	0.48	0	65.3	63.5	43.2	38.4	38.4
1-2 AM	446	0.0	80	0.0	1500	446	0	80	0.47	0	65.6	63.7	43.7	38.8	38.8
2-3 AM	432	0.0	77	0.0	1500	432	0	77	0.46	0	65.6	63.8	43.8	38.8	38.8
3-4 AM	363	0.0	65	0.0	1500	363	0	65	0.46	0	65.7	63.9	44.0	38.9	38.9
4-5 AM	406	0.0	73	0.0	1500	406	0	73	0.46	0	65.6	63.8	43.8	38.8	38.8
5-6 AM	637	0.0	114	0.0	1500	637	0	114	0.48	0	65.2	63.3	43.0	38.3	38.3
6-7 AM	1023	0.0	183	0.0	1499	1023	0	183	0.53	0	64.5	62.5	41.2	37.4	37.4
7-8 AM	1570	0.0	281	0.0	1499	1570	0	281	1.86	26	63.5	57.2	31.5	36.3	36.3
8-9 AM	2140	0.0	383	0.0	OFF	2140	0	383	0.10	2	62.4	62.0	62.0	35.0	35.0
9-10 AM	2691	0.0	482	0.0	OFF	2691	0	482	0.00	0	58.9	58.9	58.9	33.8	33.8
10-11 AM	3002	0.0	538	0.0	OFF	3002	0	538	0.00	0	55.8	55.8	55.8	33.0	33.0
11A-NOON	2888	0.0	517	0.0	OFF	2888	0	517	0.00	0	56.9	56.9	56.9	33.3	33.3
NOON-1PM	2635	0.0	472	0.0	OFF	2635	0	472	0.00	0	59.5	59.5	59.5	33.9	33.9
1-2 PM	2389	0.0	428	0.0	OFF	2389	0	428	0.00	0	61.9	61.9	61.9	34.4	34.4
2-3 PM	2202	0.0	394	0.0	OFF	2202	0	394	0.00	0	62.3	62.3	62.3	34.8	34.8
3-4 PM	2039	0.0	365	0.0	OFF	2039	0	365	0.00	0	62.6	62.6	62.6	35.2	35.2
4-5 PM	1838	0.0	330	0.0	OFF	1838	0	330	0.00	0	63.0	63.0	63.0	35.6	35.6
5-6 PM	1662	0.0	297	0.0	OFF	1662	0	297	0.00	0	63.3	63.3	63.3	36.1	36.1
6-7 PM	1464	0.0	263	0.0	1499	1464	0	263	1.06	2	63.7	59.9	31.7	36.5	36.5
7-8 PM	1240	0.0	222	0.0	1500	1240	0	222	0.69	0	64.1	61.5	37.2	37.0	37.0
8-9 PM	1155	0.0	207	0.0	1500	1155	0	207	0.58	0	64.2	62.1	39.9	37.2	37.2
9-10 PM	945	0.0	170	0.0	1500	945	0	170	0.51	0	64.6	62.7	41.9	37.6	37.6
10-11 PM	695	0.0	125	0.0	1500	695	0	125	0.49	0	65.1	63.2	42.8	38.2	38.2
11PM-MID	540	0.0	96	0.0	1500	540	0	96	0.47	0	65.4	63.5	43.3	38.6	38.6

"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	0.0996
MAIN ROUTE WITH WORKS	0.0989
DIVERSION	0.1634

PIA: Personal Injury Accidents

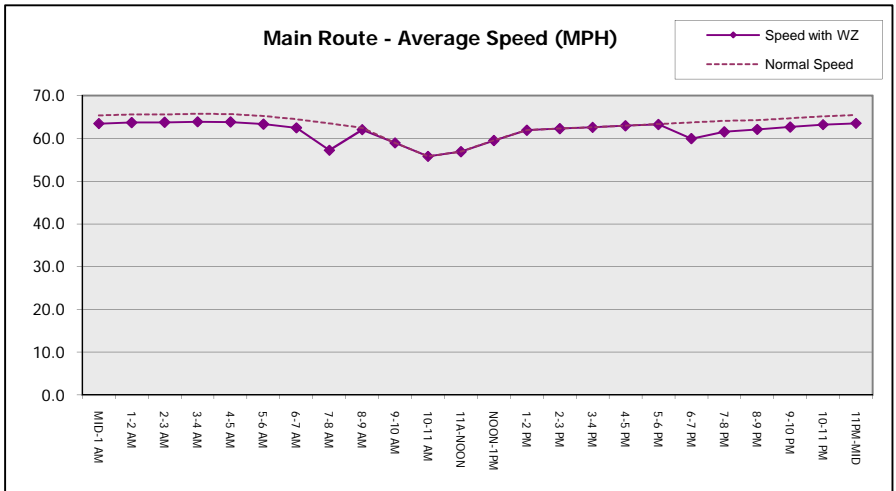
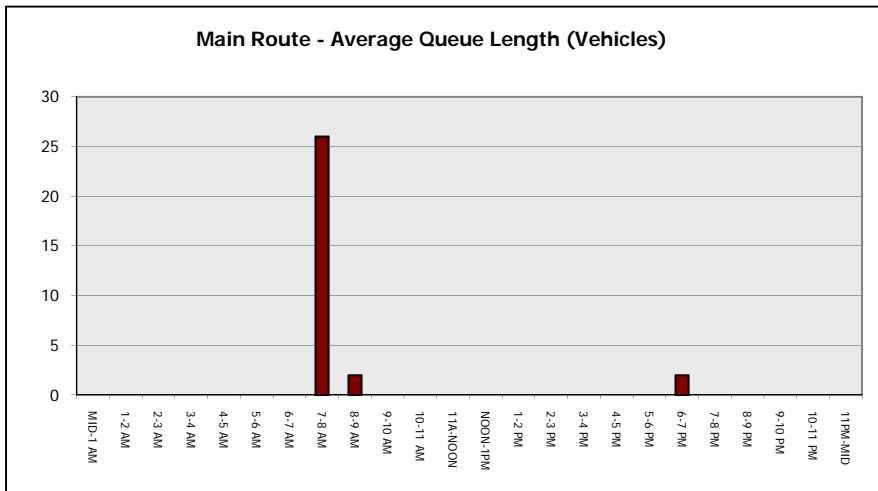
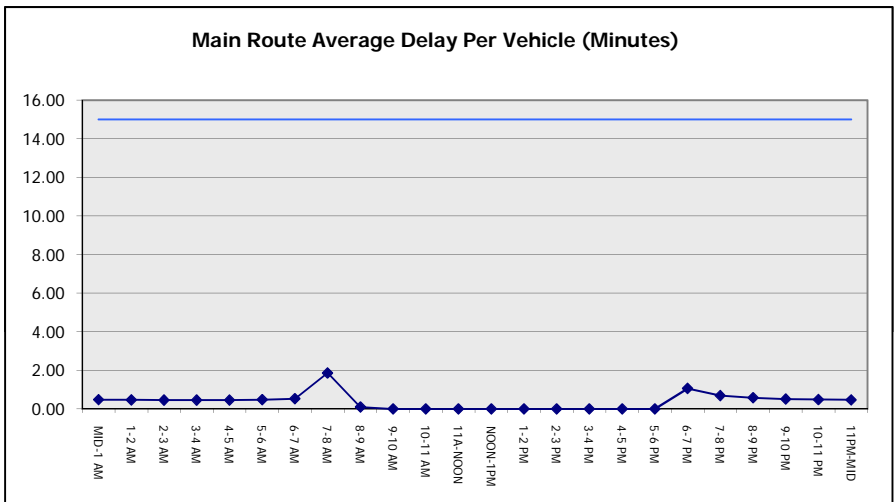
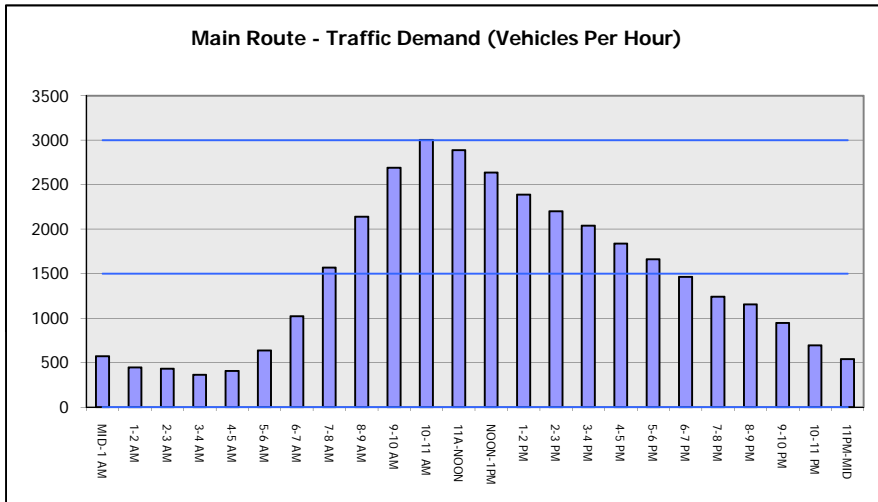
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$2,359
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding 15 Minutes

**IH 39/90: BELTLINE TO STH 73 (DANE COUNTY)**  
**NIGHTTIME CLOSURE**  
**DIVERSION ROUTE: STH 73 - USH 12**

**AUGUST**  
 Analyzed for 2009  
 Construction Season

**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**SATURDAY WESTBOUND DIRECTION**



<b>IH 39/90: BELTLINE TO STH 73 (DANE COUNTY) NIGHTTIME CLOSURE DIVERSION ROUTE: STH 73 - USH 12</b>	<b>AUGUST</b> Analyzed for 2009 Construction Season
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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	595	0.0	107	0.0	1500	595	0	107	0.48	0	65.3	63.4	43.2	38.4	38.4
1-2 AM	410	0.0	73	0.0	1500	410	0	73	0.46	0	65.6	63.8	43.8	38.8	38.8
2-3 AM	391	0.0	70	0.0	1500	391	0	70	0.46	0	65.6	63.8	43.9	38.9	38.9
3-4 AM	376	0.0	67	0.0	1500	376	0	67	0.46	0	65.7	63.9	44.0	38.9	38.9
4-5 AM	398	0.0	71	0.0	1500	398	0	71	0.46	0	65.6	63.8	43.9	38.9	38.9
5-6 AM	409	0.0	73	0.0	1500	409	0	73	0.46	0	65.6	63.8	43.8	38.8	38.8
6-7 AM	621	0.0	111	0.0	1500	621	0	111	0.48	0	65.2	63.3	43.0	38.4	38.4
7-8 AM	1016	0.0	182	0.0	1499	1016	0	182	0.52	0	64.5	62.5	41.6	37.5	37.5
8-9 AM	1416	0.0	253	0.0	OFF	1416	0	253	0.00	0	63.8	63.8	63.8	36.6	36.6
9-10 AM	1842	0.0	330	0.0	OFF	1842	0	330	0.00	0	63.0	63.0	63.0	35.6	35.6
10-11 AM	2326	0.0	416	0.0	OFF	2326	0	416	0.00	0	62.0	62.0	62.0	34.6	34.6
11A-NOON	2576	0.0	461	0.0	OFF	2576	0	461	0.00	0	60.1	60.1	60.1	34.0	34.0
NOON-1PM	2840	0.0	509	0.0	OFF	2840	0	509	0.00	0	57.4	57.4	57.4	33.4	33.4
1-2 PM	2875	0.0	515	0.0	OFF	2875	0	515	0.00	0	57.1	57.1	57.1	33.3	33.3
2-3 PM	2711	0.0	486	0.0	OFF	2711	0	486	0.00	0	58.7	58.7	58.7	33.7	33.7
3-4 PM	2728	0.0	489	0.0	OFF	2728	0	489	0.00	0	58.6	58.6	58.6	33.7	33.7
4-5 PM	2481	0.0	445	0.0	OFF	2481	0	445	0.00	0	61.1	61.1	61.1	34.2	34.2
5-6 PM	2373	0.0	425	0.0	OFF	2373	0	425	0.00	0	62.0	62.0	62.0	34.5	34.5
6-7 PM	1948	0.0	348	0.0	1499	1948	0	348	9.40	247	62.8	40.5	30.8	35.4	35.4
7-8 PM	1640	0.0	294	0.0	1499	1589	51	345	20.17	518	63.3	28.9	30.8	36.1	35.5
8-9 PM	1453	0.0	261	0.0	1499	1426	27	288	19.75	505	63.7	29.3	30.8	36.5	36.1
9-10 PM	1233	0.0	221	0.0	1499	1233	0	221	13.59	344	64.1	35.4	31.1	37.0	37.0
10-11 PM	978	0.0	175	0.0	1500	978	0	175	1.92	42	64.6	57.9	40.4	37.6	37.6
11PM-MID	690	0.0	123	0.0	1500	690	0	123	0.49	0	65.1	63.2	42.8	38.2	38.2

**"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	0.1035
MAIN ROUTE WITH WORKS	0.1025
DIVERSION	0.1717

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$26,003
CONGESTED HOURS PER DAY*	2

\*Delays Exceeding 15 Minutes

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 NIGHTTIME CLOSURE  
 DIVERSION ROUTE: STH 73 - USH 12**

**AUGUST**  
 Analyzed for 2009  
 Construction Season

**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**SATURDAY EASTBOUND DIRECTION**

