

<b>IH 39/90: BELTLINE TO STH 73 (DANE COUNTY)</b> <b>OFF-PEAK DAY CLOSURE</b> <b>DIVERSION ROUTE: STH 73 - USH 12</b>	<b>AUGUST</b>
	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	374	0.0	67	0.0	OFF	374	0	67	0.00	0	65.7	65.7	65.7	38.9	38.9
1-2 AM	242	0.0	43	0.0	OFF	242	0	43	0.00	0	66.0	66.0	66.0	39.2	39.2
2-3 AM	224	0.0	40	0.0	OFF	224	0	40	0.00	0	66.0	66.0	66.0	39.2	39.2
3-4 AM	175	0.0	31	0.0	OFF	175	0	31	0.00	0	66.1	66.1	66.1	39.4	39.4
4-5 AM	200	0.0	36	0.0	OFF	200	0	36	0.00	0	66.0	66.0	66.0	39.3	39.3
5-6 AM	284	0.0	50	0.0	OFF	284	0	50	0.00	0	65.8	65.8	65.8	39.1	39.1
6-7 AM	447	0.0	80	0.0	OFF	447	0	80	0.00	0	65.6	65.6	65.6	38.8	38.8
7-8 AM	785	0.0	140	0.0	OFF	785	0	140	0.00	0	64.9	64.9	64.9	38.0	38.0
8-9 AM	1232	0.0	221	0.0	OFF	1232	0	221	0.00	0	64.1	64.1	64.1	37.0	37.0
9-10 AM	1834	0.0	329	0.0	1499	1834	0	329	5.41	133	63.0	47.8	30.8	35.6	35.6
10-11 AM	2314	0.0	414	0.0	1500	2047	266	681	23.78	643	62.1	26.1	30.8	34.6	31.3
11A-NOON	2582	0.0	463	0.0	1500	1769	814	1276+	37.84	1022	60.1	19.3	30.8	34.0	23.9
NOON-1PM	2732	0.0	490	0.0	1500	1689	1043	1532+	45.93	1251	58.5	16.7	30.8	33.7	20.7
1-2 PM	2714	0.0	487	0.0	1500	1558	1156	1643+	50.56	1374	58.7	15.6	30.8	33.7	19.3
2-3 PM	2664	0.0	477	0.0	1500	1478	1186	1663+	51.60	1398	59.2	15.4	30.8	33.8	19.1
3-4 PM	2371	0.0	425	0.0	1500	1261	1111	1535+	47.07	1257	62.0	16.6	30.8	34.5	20.7
4-5 PM	2249	0.0	403	0.0	1500	1333	916	1318+	39.71	1055	62.2	18.8	30.8	34.7	23.3
5-6 PM	1949	0.0	350	0.0	1500	1270	679	1029	32.26	852	62.8	21.7	30.8	35.4	27.0
6-7 PM	1678	0.0	300	0.0	1499	1343	336	636	24.84	647	63.3	25.6	30.8	36.0	31.9
7-8 PM	1677	0.0	300	0.0	OFF	1677	0	300	1.39	72	63.3	58.5	58.5	36.0	36.0
8-9 PM	1384	0.0	248	0.0	OFF	1384	0	248	0.00	0	63.8	63.8	63.8	36.6	36.6
9-10 PM	1050	0.0	188	0.0	OFF	1050	0	188	0.00	0	64.5	64.5	64.5	37.4	37.4
10-11 PM	811	0.0	145	0.0	OFF	811	0	145	0.00	0	64.9	64.9	64.9	37.9	37.9
11PM-MID	600	0.0	108	0.0	OFF	600	0	108	0.00	0	65.3	65.3	65.3	38.4	38.4

"OFF" INDICATES NO ROAD WORK (ALL LANES OPEN TO TRAFFIC)

+ INDICATES DIVERSION FLOW EXCEEDS USER-SPECIFIED WARNING LIMIT

*----- 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	0.0928
MAIN ROUTE WITH WORKS	0.0704
DIVERSION	0.3479

PIA: Personal Injury Accidents

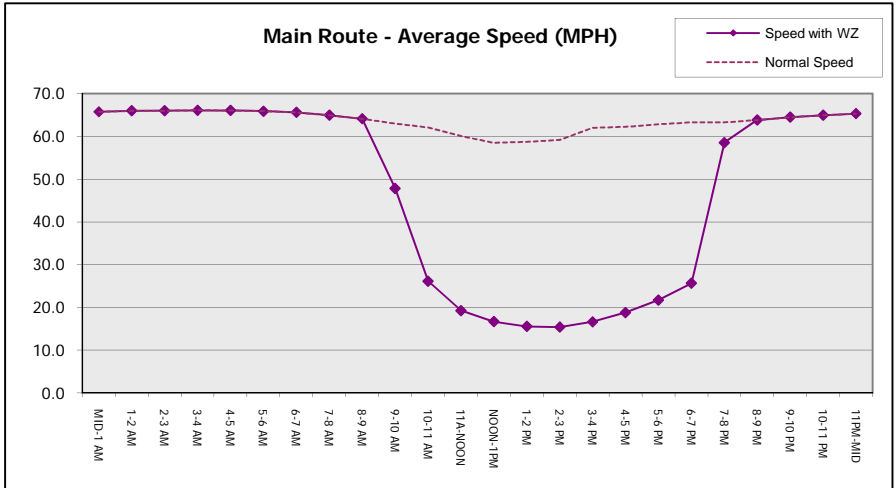
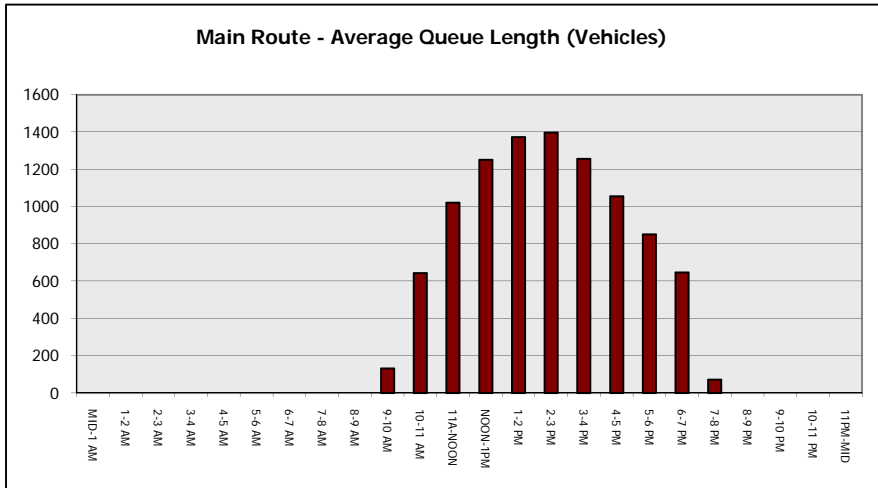
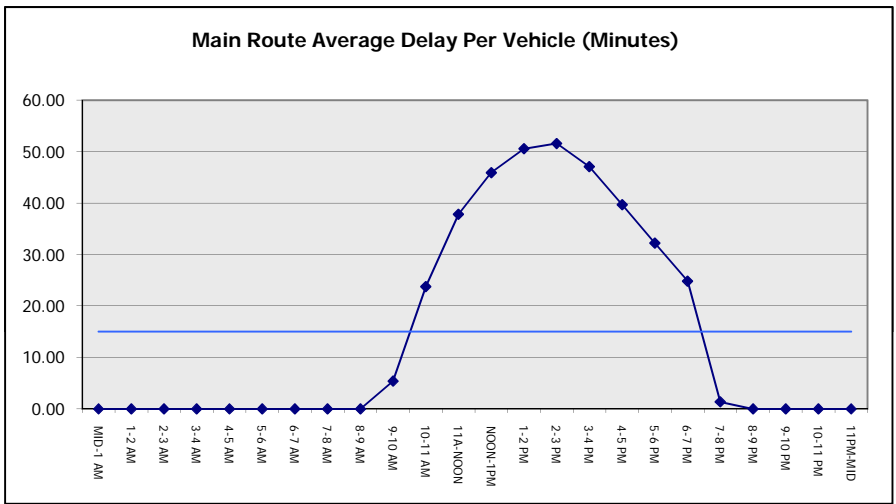
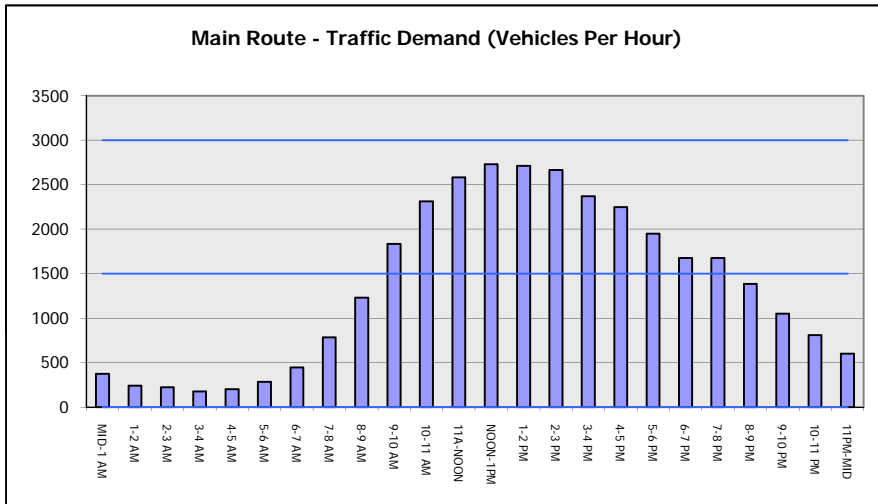
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$267,659
CONGESTED HOURS PER DAY*	9

\*Delays Exceeding 15 Minutes

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

**AUGUST**  
 Analyzed for 2009  
 Construction Season

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



<b>IH 39/90: BELTLINE TO STH 73 (DANE COUNTY)</b> <b>OFF-PEAK DAY CLOSURE</b> <b>DIVERSION ROUTE: STH 73 - USH 12</b>	<b>AUGUST</b>
	Analyzed for 2009 Construction Season

**SUMMARY OF TRAFFIC MODEL OUTPUT**

SUNDAY 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 DIVERTING	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	452	0.0	81	0.0	OFF	452	0	81	0.00	0	65.5	65.5	65.5	38.8	38.8
1-2 AM	361	0.0	65	0.0	OFF	361	0	65	0.00	0	65.7	65.7	65.7	38.9	38.9
2-3 AM	312	0.0	55	0.0	OFF	312	0	55	0.00	0	65.8	65.8	65.8	39.1	39.1
3-4 AM	244	0.0	44	0.0	OFF	244	0	44	0.00	0	66.0	66.0	66.0	39.2	39.2
4-5 AM	219	0.0	39	0.0	OFF	219	0	39	0.00	0	66.0	66.0	66.0	39.2	39.2
5-6 AM	252	0.0	45	0.0	OFF	252	0	45	0.00	0	65.9	65.9	65.9	39.2	39.2
6-7 AM	459	0.0	83	0.0	OFF	459	0	83	0.00	0	65.5	65.5	65.5	38.7	38.7
7-8 AM	769	0.0	138	0.0	OFF	769	0	138	0.00	0	65.0	65.0	65.0	38.0	38.0
8-9 AM	1226	0.0	220	0.0	OFF	1226	0	220	0.00	0	64.1	64.1	64.1	37.0	37.0
9-10 AM	1914	0.0	343	0.0	1499	1914	0	343	6.12	159	62.8	46.3	30.8	35.5	35.5
10-11 AM	2756	0.0	494	0.0	1500	2277	479	973	29.70	840	58.2	22.3	30.8	33.6	27.6
11A-NOON	3354	0.0	601	0.0	1499	1659	1695	2296+	49.43	1406	52.2	15.3	30.8	32.3	19.0
NOON-1PM	3536	0.0	633	0.0	1499	1504	2031	2664+	50.11	1444	50.3	15.0	30.8	31.9	18.6
1-2 PM	3683	0.0	659	0.0	1499	1505	2179	2838+	49.44	1444	48.7	15.0	30.8	31.5	18.6
2-3 PM	3744	0.0	671	0.0	1499	1504	2240	2911+	49.16	1444	48.1	15.0	30.8	31.4	18.6
3-4 PM	3854	0.0	691	0.0	1499	1504	2350	3041+	48.63	1444	47.0	15.0	30.8	31.2	18.6
4-5 PM	3552	0.0	636	0.0	1499	1504	2048	2685+	50.03	1444	50.1	15.0	30.8	31.9	18.6
5-6 PM	3543	0.0	634	0.0	1499	1504	2039	2674+	50.07	1444	50.2	15.0	30.8	31.9	18.6
6-7 PM	3330	0.0	596	0.0	1499	1503	1826	2423+	50.97	1444	52.4	15.0	30.8	32.4	18.6
7-8 PM	2909	0.0	521	0.0	OFF	2909	0	521	17.13	832	56.7	29.7	29.7	33.3	33.3
8-9 PM	2399	0.0	430	0.0	OFF	2399	0	430	1.25	25	61.9	57.8	57.8	34.4	34.4
9-10 PM	1698	0.0	305	0.0	OFF	1698	0	305	0.00	0	63.2	63.2	63.2	36.0	36.0
10-11 PM	1032	0.0	185	0.0	OFF	1032	0	185	0.00	0	64.5	64.5	64.5	37.4	37.4
11PM-MID	717	0.0	129	0.0	OFF	717	0	129	0.00	0	65.0	65.0	65.0	38.1	38.1

"OFF" INDICATES NO ROAD WORK (ALL LANES OPEN TO TRAFFIC)

+ INDICATES DIVERSION FLOW EXCEEDS USER-SPECIFIED WARNING LIMIT

*----- 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	0.1319
MAIN ROUTE WITH WORKS	0.0828
DIVERSION	0.6569

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$481,991
CONGESTED HOURS PER DAY*	10

\*Delays Exceeding 15 Minutes

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**OFF-PEAK DAY CLOSURE**  
**DIVERSION ROUTE: STH 73 - USH 12**

**AUGUST**  
 Analyzed for 2009  
 Construction Season

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

