

<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>MAY</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	288	0.0	51	0.0	OFF	288	0	51	0.00	0	65.8	65.8	65.8	39.1	39.1
1-2 AM	197	0.0	36	0.0	OFF	197	0	36	0.00	0	66.0	66.0	66.0	39.3	39.3
2-3 AM	177	0.0	31	0.0	OFF	177	0	31	0.00	0	66.1	66.1	66.1	39.4	39.4
3-4 AM	163	0.0	29	0.0	OFF	163	0	29	0.00	0	66.1	66.1	66.1	39.4	39.4
4-5 AM	172	0.0	30	0.0	OFF	172	0	30	0.00	0	66.1	66.1	66.1	39.4	39.4
5-6 AM	296	0.0	53	0.0	OFF	296	0	53	0.00	0	65.8	65.8	65.8	39.1	39.1
6-7 AM	445	0.0	80	0.0	OFF	445	0	80	0.00	0	65.6	65.6	65.6	38.8	38.8
7-8 AM	692	0.0	123	0.0	OFF	692	0	123	0.00	0	65.1	65.1	65.1	38.2	38.2
8-9 AM	1001	0.0	179	0.0	OFF	1001	0	179	0.00	0	64.5	64.5	64.5	37.5	37.5
9-10 AM	1342	0.0	241	0.0	1499	1342	0	241	0.82	0	63.9	60.9	34.5	36.8	36.8
10-11 AM	1707	0.0	306	0.0	1499	1707	0	306	4.07	88	63.2	51.0	30.8	36.0	36.0
11A-NOON	1809	0.0	324	0.0	1500	1809	0	324	13.85	357	63.0	34.8	30.8	35.7	35.7
NOON-1PM	1836	0.0	329	0.0	1499	1629	207	535	23.18	602	63.0	26.7	30.8	35.6	33.1
1-2 PM	1811	0.0	324	0.0	1499	1498	313	637	24.79	645	63.0	25.6	30.8	35.7	31.9
2-3 PM	1810	0.0	324	0.0	1500	1500	311	635	24.76	644	63.0	25.7	30.8	35.7	31.9
3-4 PM	1788	0.0	320	0.0	1499	1490	298	618	24.50	637	63.0	25.8	30.8	35.8	32.0
4-5 PM	1804	0.0	323	0.0	1500	1503	301	624	24.59	639	63.0	25.8	30.8	35.7	32.0
5-6 PM	1667	0.0	298	0.0	1499	1432	235	533	23.23	601	63.3	26.7	30.8	36.0	33.1
6-7 PM	1487	0.0	267	0.0	1499	1419	68	335	20.48	525	63.6	28.8	30.8	36.5	35.6
7-8 PM	1316	0.0	235	0.0	OFF	1316	0	235	0.91	44	64.0	60.7	60.7	36.8	36.8
8-9 PM	1165	0.0	208	0.0	OFF	1165	0	208	0.00	0	64.2	64.2	64.2	37.1	37.1
9-10 PM	856	0.0	153	0.0	OFF	856	0	153	0.00	0	64.8	64.8	64.8	37.8	37.8
10-11 PM	651	0.0	116	0.0	OFF	651	0	116	0.00	0	65.1	65.1	65.1	38.3	38.3
11PM-MID	452	0.0	81	0.0	OFF	452	0	81	0.00	0	65.5	65.5	65.5	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	0.0710
MAIN ROUTE WITH WORKS	0.0651
DIVERSION	0.1616

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$92,535
CONGESTED HOURS PER DAY*	7

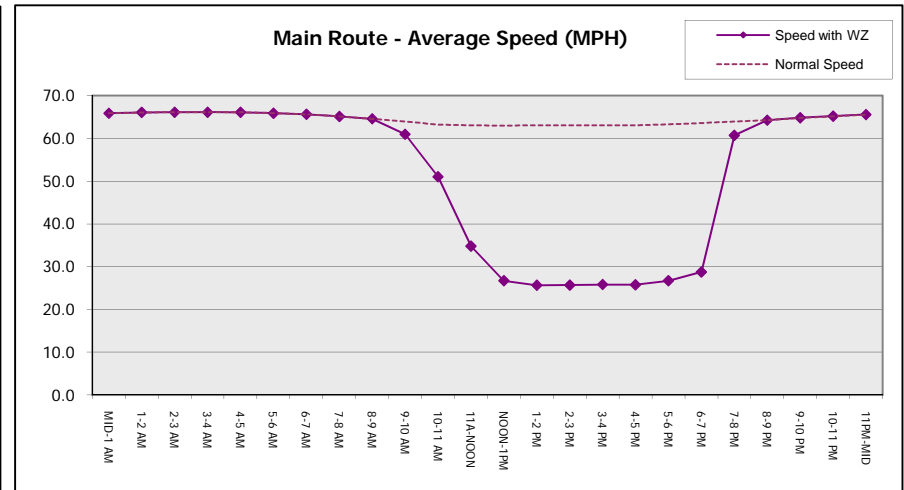
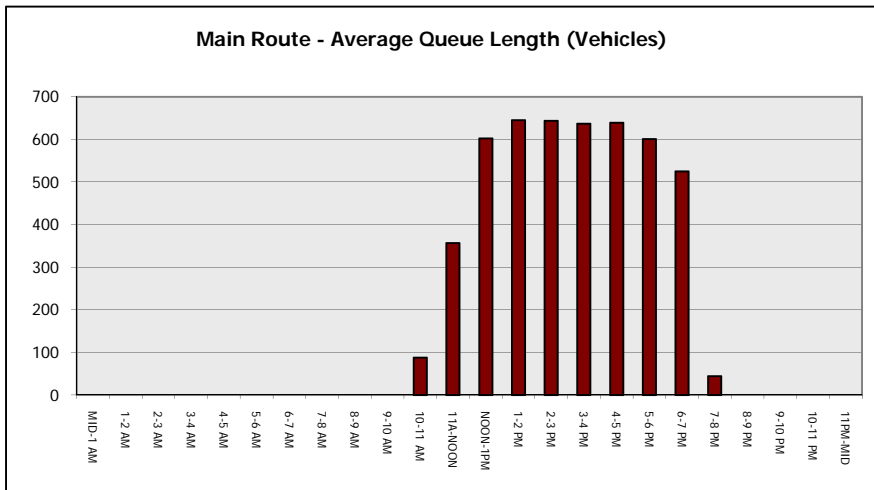
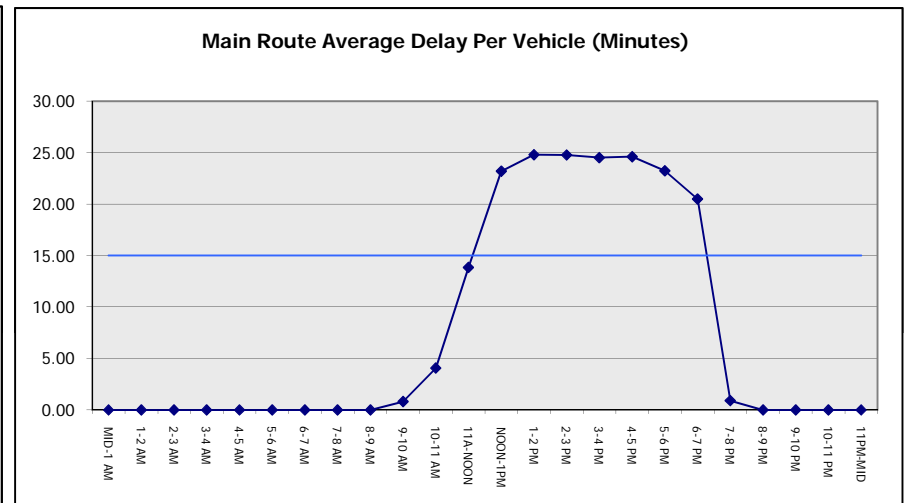
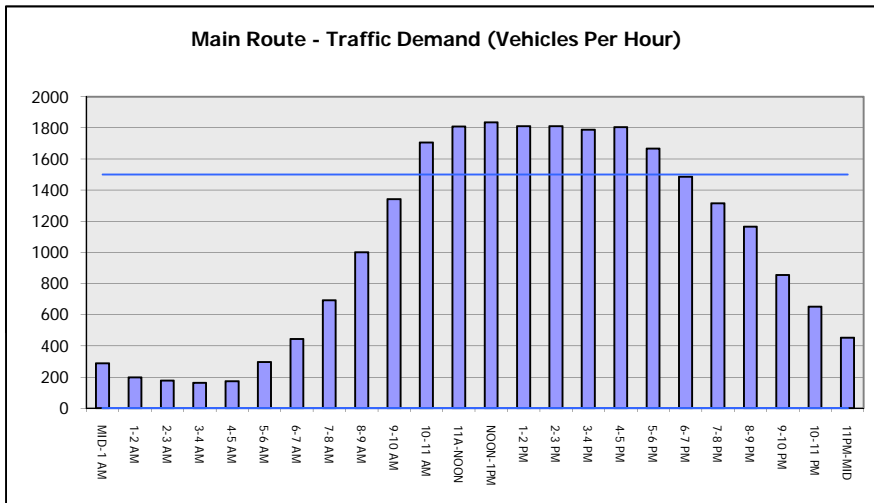
\*Delays Exceeding 15 Minutes

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

**MAY**  
 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>MAY</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 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	318	0.0	57	0.0	OFF	318	0	57	0.00	0	65.8	65.8	65.8	39.1	39.1
1-2 AM	215	0.0	39	0.0	OFF	215	0	39	0.00	0	66.0	66.0	66.0	39.2	39.2
2-3 AM	176	0.0	31	0.0	OFF	176	0	31	0.00	0	66.1	66.1	66.1	39.4	39.4
3-4 AM	150	0.0	27	0.0	OFF	150	0	27	0.00	0	66.1	66.1	66.1	39.4	39.4
4-5 AM	157	0.0	28	0.0	OFF	157	0	28	0.00	0	66.1	66.1	66.1	39.4	39.4
5-6 AM	215	0.0	39	0.0	OFF	215	0	39	0.00	0	66.0	66.0	66.0	39.2	39.2
6-7 AM	377	0.0	67	0.0	OFF	377	0	67	0.00	0	65.7	65.7	65.7	38.9	38.9
7-8 AM	636	0.0	114	0.0	OFF	636	0	114	0.00	0	65.2	65.2	65.2	38.3	38.3
8-9 AM	1018	0.0	182	0.0	OFF	1018	0	182	0.00	0	64.5	64.5	64.5	37.5	37.5
9-10 AM	1441	0.0	258	0.0	1499	1441	0	258	1.06	3	63.7	59.9	32.5	36.5	36.5
10-11 AM	1729	0.0	310	0.0	1500	1729	0	310	4.93	113	63.2	48.9	30.8	35.9	35.9
11A-NOON	1955	0.0	351	0.0	1500	1907	47	398	17.29	458	62.7	31.2	30.8	35.4	34.8
NOON-1PM	1982	0.0	355	0.0	1499	1581	401	755	26.72	699	62.7	24.5	30.8	35.3	30.4
1-2 PM	2029	0.0	363	0.0	1499	1538	491	854	28.55	749	62.6	23.5	30.8	35.2	29.1
2-3 PM	2146	0.0	384	0.0	1500	1569	577	961	30.67	808	62.4	22.4	30.8	35.0	27.8
3-4 PM	2124	0.0	381	0.0	1500	1494	631	1011	31.78	838	62.4	21.9	30.8	35.0	27.2
4-5 PM	2062	0.0	369	0.0	1500	1463	600	969	30.89	813	62.5	22.4	30.8	35.1	27.7
5-6 PM	2031	0.0	364	0.0	1500	1475	556	921	29.88	785	62.6	22.9	30.8	35.2	28.3
6-7 PM	1895	0.0	339	0.0	1500	1420	475	814	27.85	729	62.8	23.9	30.8	35.5	29.6
7-8 PM	1759	0.0	315	0.0	OFF	1759	0	315	2.06	106	63.1	56.3	56.3	35.8	35.8
8-9 PM	1368	0.0	245	0.0	OFF	1368	0	245	0.00	0	63.8	63.8	63.8	36.7	36.7
9-10 PM	1116	0.0	200	0.0	OFF	1116	0	200	0.00	0	64.3	64.3	64.3	37.3	37.3
10-11 PM	744	0.0	133	0.0	OFF	744	0	133	0.00	0	65.0	65.0	65.0	38.1	38.1
11PM-MID	506	0.0	91	0.0	OFF	506	0	91	0.00	0	65.5	65.5	65.5	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	0.0802
MAIN ROUTE WITH WORKS	0.0684
DIVERSION	0.2300

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$133,937
CONGESTED HOURS PER DAY*	8

\*Delays Exceeding 15 Minutes

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

**MAY**  
 Analyzed for 2009  
 Construction Season

**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**

**SUNDAY EASTBOUND DIRECTION**

