

<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**

**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	521	0.0	93	0.0	OFF	521	0	93	0.00	0	65.4	65.4	65.4	38.6	38.6
1-2 AM	387	0.0	69	0.0	OFF	387	0	69	0.00	0	65.6	65.6	65.6	38.9	38.9
2-3 AM	361	0.0	65	0.0	OFF	361	0	65	0.00	0	65.7	65.7	65.7	38.9	38.9
3-4 AM	317	0.0	57	0.0	OFF	317	0	57	0.00	0	65.8	65.8	65.8	39.1	39.1
4-5 AM	412	0.0	74	0.0	OFF	412	0	74	0.00	0	65.6	65.6	65.6	38.8	38.8
5-6 AM	678	0.0	121	0.0	OFF	678	0	121	0.00	0	65.1	65.1	65.1	38.3	38.3
6-7 AM	1061	0.0	190	0.0	OFF	1061	0	190	0.00	0	64.4	64.4	64.4	37.4	37.4
7-8 AM	1395	0.0	250	0.0	OFF	1395	0	250	0.00	0	63.8	63.8	63.8	36.6	36.6
8-9 AM	1752	0.0	314	0.0	1499	1752	0	314	4.63	106	63.1	49.6	30.8	35.8	35.8
9-10 AM	2018	0.0	361	0.0	1500	1938	80	441	18.16	484	62.6	30.4	30.8	35.3	34.3
10-11 AM	2190	0.0	392	0.0	1499	1663	528	920	29.79	785	62.3	22.9	30.8	34.9	28.3
11A-NOON	2124	0.0	381	0.0	1499	1477	647	1028	32.16	848	62.4	21.7	30.8	35.0	27.0
NOON-1PM	1925	0.0	345	0.0	1499	1385	540	885	29.22	767	62.8	23.2	30.8	35.5	28.8
1-2 PM	1899	0.0	340	0.0	1499	1474	425	765	26.94	704	62.8	24.4	30.8	35.5	30.2
2-3 PM	1761	0.0	315	0.0	1499	1426	335	650	25.02	651	63.1	25.5	30.8	35.8	31.7
3-4 PM	1617	0.0	290	0.0	1499	1435	181	471	22.34	577	63.4	27.3	30.8	36.1	33.9
4-5 PM	1611	0.0	289	0.0	1500	1493	119	408	21.45	552	63.4	27.9	30.8	36.1	34.7
5-6 PM	1424	0.0	255	0.0	1499	1398	26	282	19.41	496	63.7	29.6	30.8	36.6	36.3
6-7 PM	1238	0.0	222	0.0	OFF	1238	0	222	0.75	35	64.1	61.4	61.4	37.0	37.0
7-8 PM	1038	0.0	186	0.0	OFF	1038	0	186	0.00	0	64.5	64.5	64.5	37.4	37.4
8-9 PM	912	0.0	163	0.0	OFF	912	0	163	0.00	0	64.7	64.7	64.7	37.7	37.7
9-10 PM	767	0.0	137	0.0	OFF	767	0	137	0.00	0	65.0	65.0	65.0	38.1	38.1
10-11 PM	542	0.0	97	0.0	OFF	542	0	97	0.00	0	65.4	65.4	65.4	38.6	38.6
11PM-MID	420	0.0	75	0.0	OFF	420	0	75	0.00	0	65.6	65.6	65.6	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	0.0808
MAIN ROUTE WITH WORKS	0.0716
DIVERSION	0.2077

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$121,652
CONGESTED HOURS PER DAY*	9

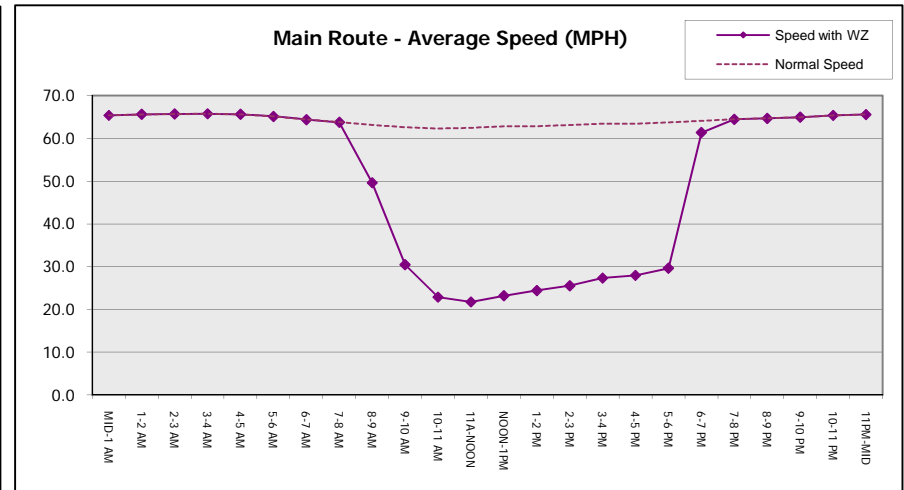
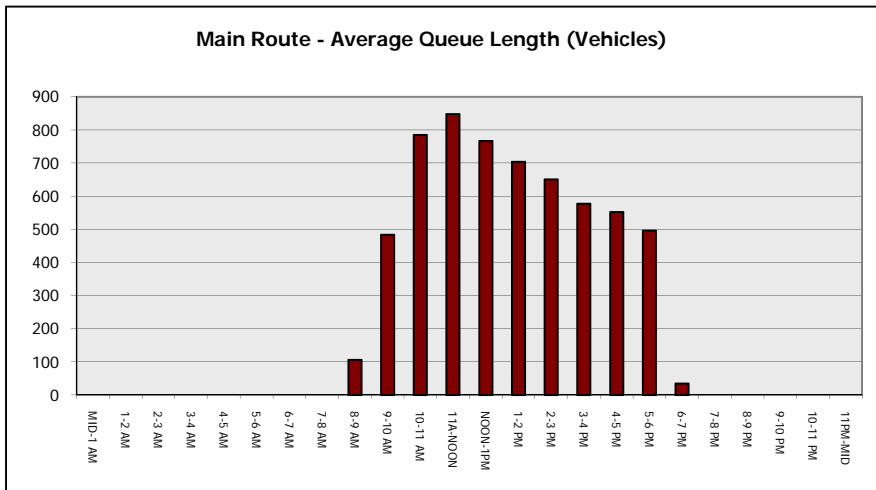
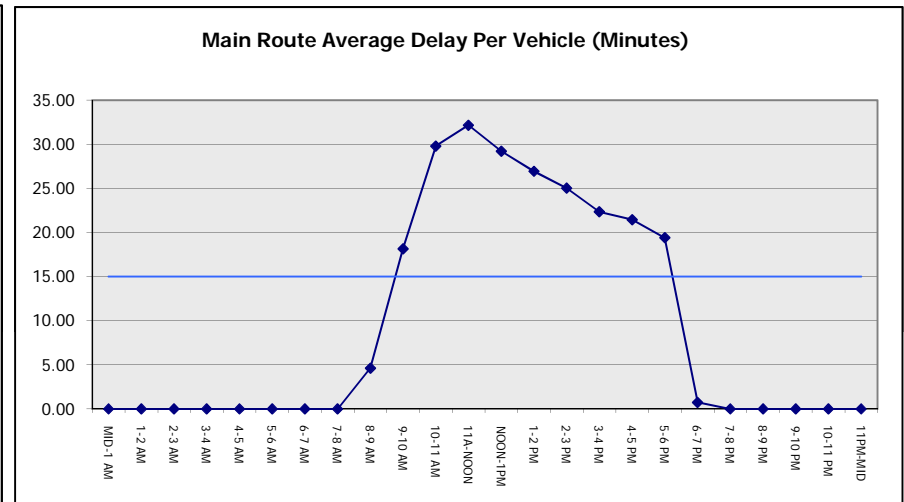
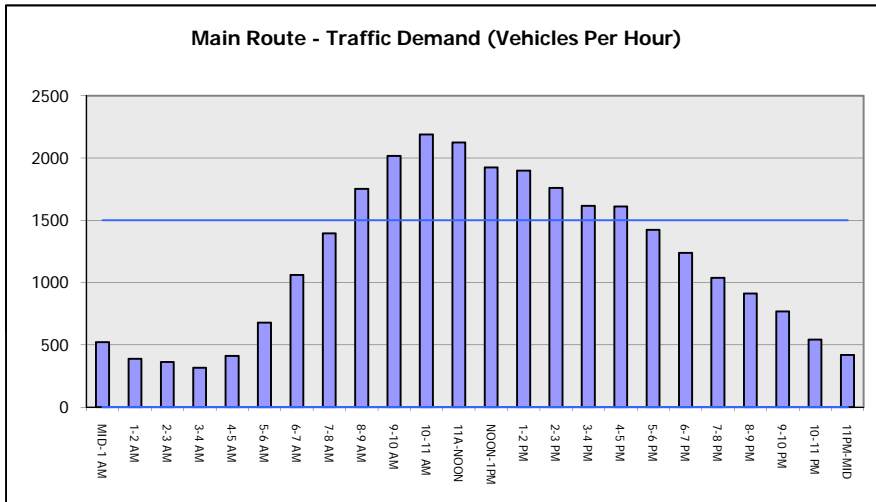
\*Delays Exceeding 15 Minutes

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

**MAY**  
 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)</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**

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	446	0.0	80	0.0	OFF	446	0	80	0.00	0	65.6	65.6	65.6	38.8	38.8
1-2 AM	325	0.0	59	0.0	OFF	325	0	59	0.00	0	65.8	65.8	65.8	39.0	39.0
2-3 AM	313	0.0	57	0.0	OFF	313	0	57	0.00	0	65.8	65.8	65.8	39.1	39.1
3-4 AM	331	0.0	60	0.0	OFF	331	0	60	0.00	0	65.8	65.8	65.8	39.0	39.0
4-5 AM	336	0.0	60	0.0	OFF	336	0	60	0.00	0	65.8	65.8	65.8	39.0	39.0
5-6 AM	380	0.0	68	0.0	OFF	380	0	68	0.00	0	65.7	65.7	65.7	38.9	38.9
6-7 AM	583	0.0	105	0.0	OFF	583	0	105	0.00	0	65.3	65.3	65.3	38.4	38.4
7-8 AM	911	0.0	163	0.0	OFF	911	0	163	0.00	0	64.7	64.7	64.7	37.7	37.7
8-9 AM	1244	0.0	223	0.0	1499	1244	0	223	0.69	0	64.1	61.5	37.2	36.9	36.9
9-10 AM	1505	0.0	269	0.0	1499	1505	0	269	1.23	6	63.6	59.2	31.2	36.4	36.4
10-11 AM	1637	0.0	293	0.0	1500	1637	0	293	4.18	88	63.3	50.8	30.8	36.1	36.1
11A-NOON	1723	0.0	309	0.0	1500	1723	0	309	10.91	273	63.2	38.4	30.8	35.9	35.9
NOON-1PM	1686	0.0	301	0.0	1499	1669	17	318	18.63	479	63.2	30.2	30.8	36.0	35.8
1-2 PM	1689	0.0	302	0.0	1499	1526	163	465	22.22	574	63.2	27.4	30.8	36.0	34.0
2-3 PM	1651	0.0	296	0.0	1499	1484	167	463	22.21	573	63.3	27.4	30.8	36.1	34.0
3-4 PM	1602	0.0	287	0.0	1499	1479	123	410	21.48	553	63.4	27.9	30.8	36.2	34.7
4-5 PM	1592	0.0	285	0.0	1500	1490	102	386	21.17	544	63.4	28.2	30.8	36.2	35.0
5-6 PM	1397	0.0	250	0.0	1499	1380	16	267	18.84	480	63.8	30.1	30.8	36.6	36.5
6-7 PM	1235	0.0	221	0.0	OFF	1235	0	221	0.67	31	64.1	61.6	61.6	37.0	37.0
7-8 PM	1087	0.0	195	0.0	OFF	1087	0	195	0.00	0	64.3	64.3	64.3	37.3	37.3
8-9 PM	983	0.0	176	0.0	OFF	983	0	176	0.00	0	64.6	64.6	64.6	37.6	37.6
9-10 PM	855	0.0	153	0.0	OFF	855	0	153	0.00	0	64.8	64.8	64.8	37.8	37.8
10-11 PM	692	0.0	123	0.0	OFF	692	0	123	0.00	0	65.1	65.1	65.1	38.2	38.2
11PM-MID	505	0.0	90	0.0	OFF	505	0	90	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	0.0704
MAIN ROUTE WITH WORKS	0.0677
DIVERSION	0.1307

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$64,997
CONGESTED HOURS PER DAY*	6

\*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**  
**SATURDAY EASTBOUND DIRECTION**

