

IH 39/90: BELTLINE TO STH 73 (DANE COUNTY) NIGHTTIME CLOSURE DIVERSION ROUTE: STH 73 - USH 12	AUGUST
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

FRIDAY 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	628	0.0	113	0.0	1500	628	0	113	0.48	0	65.2	63.3	43.0	38.3	38.3
1-2 AM	520	0.0	93	0.0	1500	520	0	93	0.47	0	65.4	63.6	43.4	38.6	38.6
2-3 AM	448	0.0	81	0.0	1500	448	0	81	0.47	0	65.6	63.7	43.7	38.8	38.8
3-4 AM	439	0.0	78	0.0	1500	439	0	78	0.47	0	65.6	63.8	43.7	38.8	38.8
4-5 AM	564	0.0	100	0.0	1500	564	0	100	0.48	0	65.3	63.5	43.3	38.5	38.5
5-6 AM	1070	0.0	191	0.0	OFF	1070	0	191	0.00	0	64.4	64.4	64.4	37.4	37.4
6-7 AM	1621	0.0	290	0.0	OFF	1621	0	290	0.00	0	63.3	63.3	63.3	36.1	36.1
7-8 AM	1958	0.0	351	0.0	OFF	1958	0	351	0.00	0	62.7	62.7	62.7	35.4	35.4
8-9 AM	1998	0.0	358	0.0	OFF	1998	0	358	0.00	0	62.7	62.7	62.7	35.3	35.3
9-10 AM	2195	0.0	393	0.0	OFF	2195	0	393	0.00	0	62.3	62.3	62.3	34.8	34.8
10-11 AM	2551	0.0	457	0.0	OFF	2551	0	457	0.00	0	60.4	60.4	60.4	34.1	34.1
11A-NOON	2761	0.0	495	0.0	OFF	2761	0	495	0.00	0	58.2	58.2	58.2	33.6	33.6
NOON-1PM	2871	0.0	514	0.0	OFF	2871	0	514	0.00	0	57.1	57.1	57.1	33.3	33.3
1-2 PM	2915	0.0	522	0.0	OFF	2915	0	522	0.00	0	56.6	56.6	56.6	33.3	33.3
2-3 PM	3132	0.0	561	0.0	OFF	3132	0	561	0.00	0	54.4	54.4	54.4	32.8	32.8
3-4 PM	3405	0.0	610	0.0	OFF	3405	0	610	0.00	0	51.6	51.6	51.6	32.2	32.2
4-5 PM	3300	0.0	591	0.0	OFF	3300	0	591	0.00	0	52.7	52.7	52.7	32.4	32.4
5-6 PM	3181	0.0	569	0.0	OFF	3181	0	569	0.00	0	53.9	53.9	53.9	32.7	32.7
6-7 PM	2932	0.0	525	0.0	OFF	2932	0	525	0.00	0	56.4	56.4	56.4	33.2	33.2
7-8 PM	2551	0.0	457	0.0	1499	2368	183	640	17.26	503	60.4	30.6	30.8	34.1	31.8
8-9 PM	2381	0.0	426	0.0	1500	1619	762	1188	35.95	954	62.0	20.1	30.8	34.5	25.0
9-10 PM	2103	0.0	377	0.0	1500	1339	764	1141	34.87	923	62.5	20.6	30.8	35.1	25.6
10-11 PM	1518	0.0	272	0.0	1500	1162	356	628	24.78	649	63.5	25.8	30.8	36.4	31.9
11PM-MID	857	0.0	154	0.0	1499	857	0	154	6.98	210	64.8	45.6	37.7	37.8	37.8

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

----- SITE BREAKDOWN DELAYS -----	
BREAKDOWN DURATION (MINS)	0
RANGE OF QUEUE DELAY - MIN (VEH-H) MAX	0.0
RANGE OF DIVN DELAY - MIN (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 (VEH-H) MAX	0.0
RANGE OF DIVN DELAY - MIN (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	0.1365
MAIN ROUTE WITH WORKS	0.1299
DIVERSION	0.2776

PIA: Personal Injury Accidents

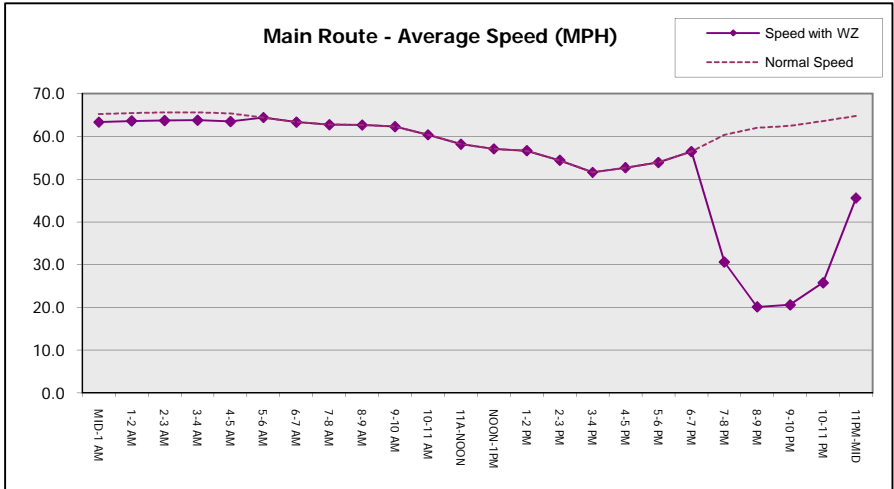
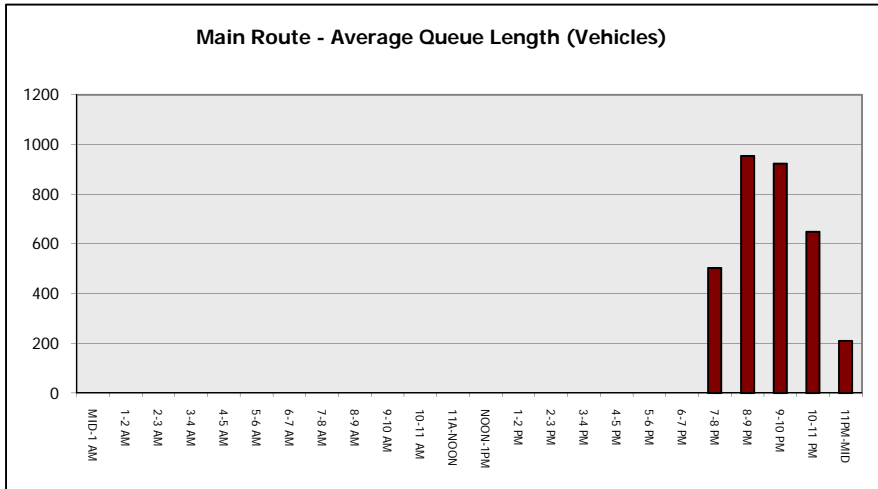
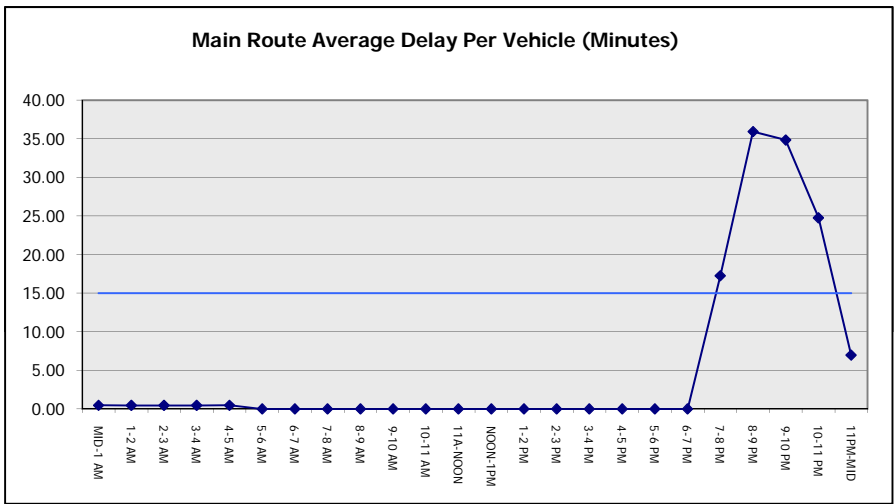
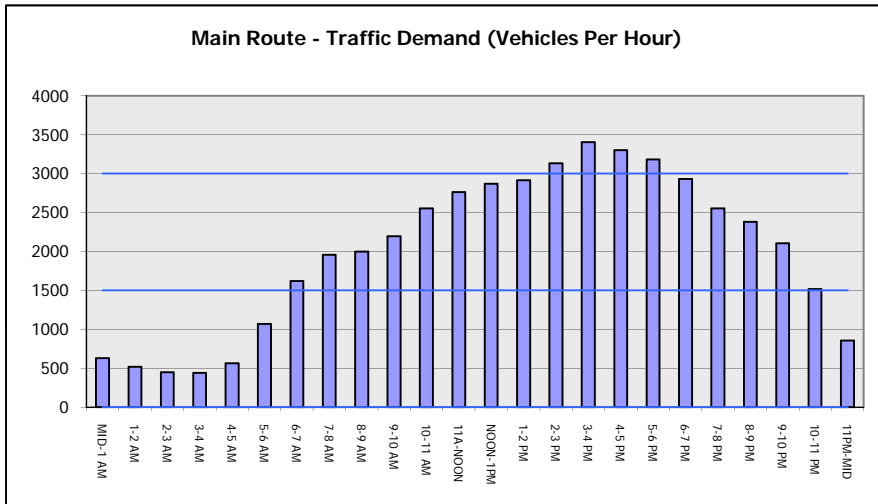
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$64,026
CONGESTED HOURS PER DAY*	4

*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
FRIDAY WESTBOUND DIRECTION



IH 39/90: BELTLINE TO STH 73 (DANE COUNTY) NIGHTTIME CLOSURE DIVERSION ROUTE: STH 73 - USH 12	AUGUST
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

FRIDAY 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	549	0.0	98	0.0	1500	549	0	98	0.48	0	65.4	63.5	43.3	38.5	38.5	
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	450	0.0	81	0.0	1500	450	0	81	0.47	0	65.6	63.7	43.7	38.8	38.8	
3-4 AM	509	0.0	91	0.0	1500	509	0	91	0.47	0	65.5	63.6	43.5	38.6	38.6	
4-5 AM	537	0.0	96	0.0	1500	537	0	96	0.47	0	65.4	63.5	43.3	38.6	38.6	
5-6 AM	657	0.0	118	0.0	OFF	657	0	118	0.00	0	65.1	65.1	65.1	38.3	38.3	
6-7 AM	905	0.0	162	0.0	OFF	905	0	162	0.00	0	64.7	64.7	64.7	37.8	37.8	
7-8 AM	1374	0.0	246	0.0	OFF	1374	0	246	0.00	0	63.8	63.8	63.8	36.7	36.7	
8-9 AM	1563	0.0	280	0.0	OFF	1563	0	280	0.00	0	63.5	63.5	63.5	36.3	36.3	
9-10 AM	1836	0.0	329	0.0	OFF	1836	0	329	0.00	0	63.0	63.0	63.0	35.6	35.6	
10-11 AM	2065	0.0	369	0.0	OFF	2065	0	369	0.00	0	62.5	62.5	62.5	35.1	35.1	
11A-NOON	2287	0.0	410	0.0	OFF	2287	0	410	0.00	0	62.1	62.1	62.1	34.7	34.7	
NOON-1PM	2420	0.0	433	0.0	OFF	2420	0	433	0.00	0	61.7	61.7	61.7	34.3	34.3	
1-2 PM	2641	0.0	473	0.0	OFF	2641	0	473	0.00	0	59.4	59.4	59.4	33.8	33.8	
2-3 PM	2774	0.0	497	0.0	OFF	2774	0	497	0.00	0	58.1	58.1	58.1	33.6	33.6	
3-4 PM	2846	0.0	510	0.0	OFF	2846	0	510	0.00	0	57.3	57.3	57.3	33.4	33.4	
4-5 PM	2901	0.0	520	0.0	OFF	2901	0	520	0.00	0	56.8	56.8	56.8	33.3	33.3	
5-6 PM	2785	0.0	499	0.0	OFF	2785	0	499	0.00	0	57.9	57.9	57.9	33.5	33.5	
6-7 PM	2249	0.0	403	0.0	OFF	2249	0	403	0.00	0	62.2	62.2	62.2	34.7	34.7	
7-8 PM	2007	0.0	360	0.0	1499	2007	0	360	10.21	273	62.7	39.2	30.8	35.3	35.3	
8-9 PM	1603	0.0	287	0.0	1499	1517	86	373	20.99	539	63.4	28.3	30.8	36.2	35.1	
9-10 PM	1368	0.0	245	0.0	1499	1360	7	252	18.25	465	63.8	30.6	30.8	36.7	36.6	
10-11 PM	1152	0.0	206	0.0	1499	1152	0	206	8.80	226	64.2	42.1	33.4	37.2	37.2	
11PM-MID	824	0.0	148	0.0	1500	823	0	148	0.54	1	64.8	62.8	42.3	37.9	37.9	

"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	0.1104
MAIN ROUTE WITH WORKS	0.1095
DIVERSION	0.1835

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$23,478
CONGESTED HOURS PER DAY*	2

*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
FRIDAY EASTBOUND DIRECTION

