

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

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	OFF	628	0	113	0.00	0	65.2	65.2	65.2	38.3	38.3
1-2 AM	520	0.0	93	0.0	OFF	520	0	93	0.00	0	65.4	65.4	65.4	38.6	38.6
2-3 AM	448	0.0	81	0.0	OFF	448	0	81	0.00	0	65.6	65.6	65.6	38.8	38.8
3-4 AM	439	0.0	78	0.0	OFF	439	0	78	0.00	0	65.6	65.6	65.6	38.8	38.8
4-5 AM	564	0.0	100	0.0	OFF	564	0	100	0.00	0	65.3	65.3	65.3	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	1499	2176	20	413	11.53	327	62.3	37.3	30.8	34.8	34.6
10-11 AM	2551	0.0	457	0.0	1499	1909	642	1099	33.25	899	60.4	21.1	30.8	34.1	26.1
11A-NOON	2761	0.0	495	0.0	1499	1758	1004	1499+	44.56	1217	58.2	17.0	30.8	33.6	21.1
NOON-1PM	2871	0.0	514	0.0	1499	1603	1269	1783+	51.70	1418	57.1	15.2	30.8	33.3	18.9
1-2 PM	2915	0.0	522	0.0	1499	1500	1415	1937+	52.51	1444	56.6	15.0	30.8	33.3	18.6
2-3 PM	3132	0.0	561	0.0	1499	1500	1632	2193+	51.73	1444	54.4	15.0	30.8	32.8	18.6
3-4 PM	3405	0.0	610	0.0	1499	1500	1905	2515+	50.66	1444	51.6	15.0	30.8	32.2	18.6
4-5 PM	3300	0.0	591	0.0	OFF	3300	0	591	19.64	1095	52.7	26.8	26.8	32.4	32.4
5-6 PM	3181	0.0	569	0.0	OFF	3181	0	569	8.37	339	53.9	37.9	37.9	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	OFF	2551	0	457	0.00	0	60.4	60.4	60.4	34.1	34.1
8-9 PM	2381	0.0	426	0.0	OFF	2381	0	426	0.00	0	62.0	62.0	62.0	34.5	34.5
9-10 PM	2103	0.0	377	0.0	OFF	2103	0	377	0.00	0	62.5	62.5	62.5	35.1	35.1
10-11 PM	1518	0.0	272	0.0	OFF	1518	0	272	0.00	0	63.5	63.5	63.5	36.4	36.4
11PM-MID	857	0.0	154	0.0	OFF	857	0	154	0.00	0	64.8	64.8	64.8	37.8	37.8

"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	0.1365
MAIN ROUTE WITH WORKS	0.1132
DIVERSION	0.4295

PIA: Personal Injury Accidents

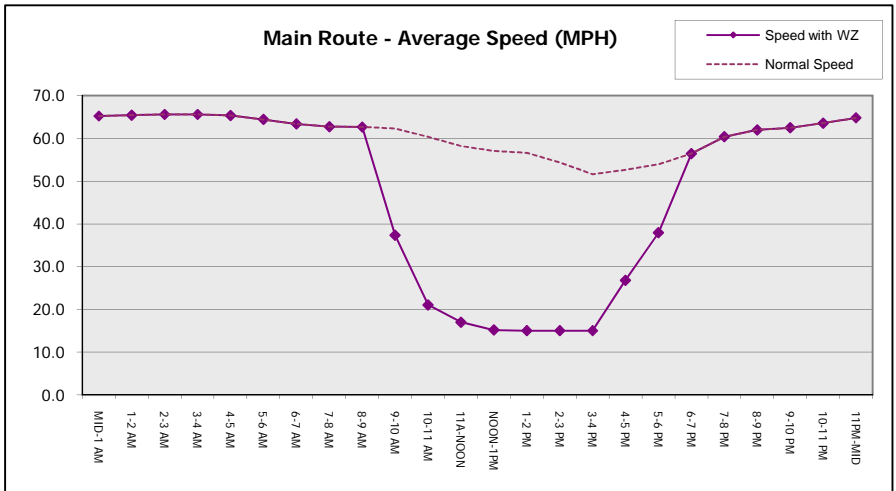
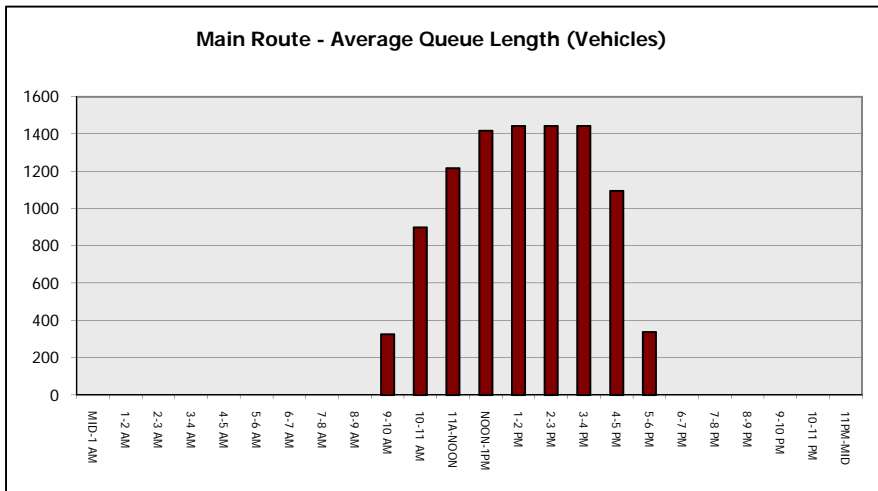
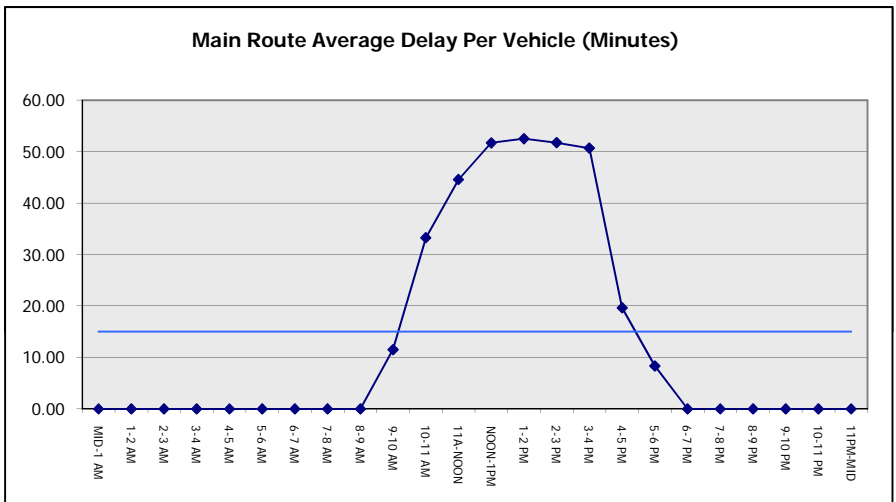
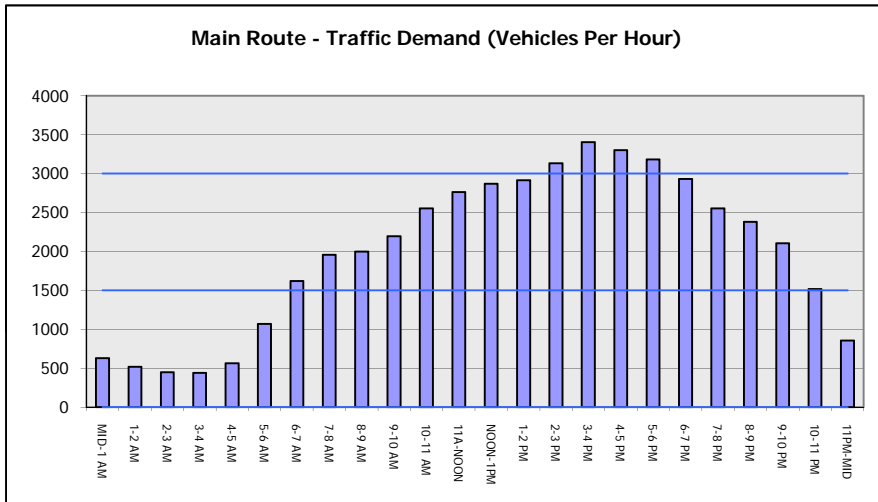
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$214,370
CONGESTED HOURS PER DAY*	7

*Delays Exceeding 15 Minutes

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

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) OFF-PEAK DAY CLOSURE DIVERSION ROUTE: STH 73 - USH 12	AUGUST Analyzed for 2009 Construction Season
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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		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	549	0.0	98	0.0	OFF	549	0	98	0.00	0	65.4	65.4	65.4	38.5	38.5
1-2 AM	446	0.0	80	0.0	OFF	446	0	80	0.00	0	65.6	65.6	65.6	38.8	38.8
2-3 AM	450	0.0	81	0.0	OFF	450	0	81	0.00	0	65.6	65.6	65.6	38.8	38.8
3-4 AM	509	0.0	91	0.0	OFF	509	0	91	0.00	0	65.5	65.5	65.5	38.6	38.6
4-5 AM	537	0.0	96	0.0	OFF	537	0	96	0.00	0	65.4	65.4	65.4	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	1499	1836	0	329	6.14	152	63.0	46.3	30.8	35.6	35.6
10-11 AM	2065	0.0	369	0.0	1500	1905	160	529	21.39	567	62.5	27.8	30.8	35.1	33.2
11A-NOON	2287	0.0	410	0.0	1499	1685	602	1013	31.73	839	62.1	21.9	30.8	34.7	27.1
NOON-1PM	2420	0.0	433	0.0	1499	1623	797	1230+	37.03	985	61.7	19.7	30.8	34.3	24.5
1-2 PM	2641	0.0	473	0.0	1499	1691	950	1423+	42.27	1144	59.4	17.8	30.8	33.8	22.0
2-3 PM	2774	0.0	497	0.0	1499	1669	1105	1602+	48.60	1326	58.1	16.0	30.8	33.6	19.9
3-4 PM	2846	0.0	510	0.0	1499	1504	1342	1852+	52.72	1444	57.3	15.0	30.8	33.4	18.6
4-5 PM	2901	0.0	520	0.0	OFF	2901	0	520	17.63	863	56.8	29.4	29.4	33.3	33.3
5-6 PM	2785	0.0	499	0.0	OFF	2785	0	499	1.70	40	57.9	53.1	53.1	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	OFF	2007	0	360	0.00	0	62.7	62.7	62.7	35.3	35.3
8-9 PM	1603	0.0	287	0.0	OFF	1603	0	287	0.00	0	63.4	63.4	63.4	36.2	36.2
9-10 PM	1368	0.0	245	0.0	OFF	1368	0	245	0.00	0	63.8	63.8	63.8	36.7	36.7
10-11 PM	1152	0.0	206	0.0	OFF	1152	0	206	0.00	0	64.2	64.2	64.2	37.2	37.2
11PM-MID	824	0.0	148	0.0	OFF	824	0	148	0.00	0	64.8	64.8	64.8	37.9	37.9

"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	0.1104
MAIN ROUTE WITH WORKS	0.0955
DIVERSION	0.3103

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$149,516
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

AUGUST
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY EASTBOUND DIRECTION

