

IH 39/90: BELTLINE TO STH 73 (DANE COUNTY) CONTINUOUS (24 HOUR) 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	1499	1070	0	191	0.58	0	64.4	62.2	40.1	37.4	37.4
6-7 AM	1621	0.0	290	0.0	1499	1621	0	290	2.14	32	63.3	56.3	30.8	36.1	36.1
7-8 AM	1958	0.0	351	0.0	1500	1958	0	351	12.72	338	62.7	36.0	30.8	35.4	35.4
8-9 AM	1998	0.0	358	0.0	1499	1659	339	697	25.69	672	62.7	25.1	30.8	35.3	31.1
9-10 AM	2195	0.0	393	0.0	1500	1640	556	949	30.40	802	62.3	22.5	30.8	34.8	27.9
10-11 AM	2551	0.0	457	0.0	1499	1755	796	1254+	37.29	1004	60.4	19.5	30.8	34.1	24.2
11A-NOON	2761	0.0	495	0.0	1499	1728	1033	1528+	45.68	1247	58.2	16.8	30.8	33.6	20.7
NOON-1PM	2871	0.0	514	0.0	1499	1572	1299	1813+	51.96	1425	57.1	15.2	30.8	33.3	18.8
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	1501	1630	2191+	51.72	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	1499	1500	1800	2391+	51.09	1444	52.7	15.0	30.8	32.4	18.6
5-6 PM	3181	0.0	569	0.0	1499	1500	1681	2250+	51.55	1444	53.9	15.0	30.8	32.7	18.6
6-7 PM	2932	0.0	525	0.0	1499	1500	1432	1957+	52.45	1444	56.4	15.0	30.8	33.2	18.6
7-8 PM	2551	0.0	457	0.0	1499	1361	1190	1647+	51.24	1380	60.4	15.5	30.8	34.1	19.3
8-9 PM	2381	0.0	426	0.0	1499	1316	1065	1491+	45.38	1210	62.0	17.1	30.8	34.5	21.2
9-10 PM	2103	0.0	377	0.0	1499	1242	861	1238+	37.45	994	62.5	19.6	30.8	35.1	24.3
10-11 PM	1518	0.0	272	0.0	1499	1135	384	656	25.23	663	63.5	25.5	30.8	36.4	31.6
11PM-MID	857	0.0	154	0.0	1499	857	0	154	7.04	212	64.8	45.5	37.7	37.8	37.8

+ 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	0.0849
DIVERSION	0.6772

PIA: Personal Injury Accidents

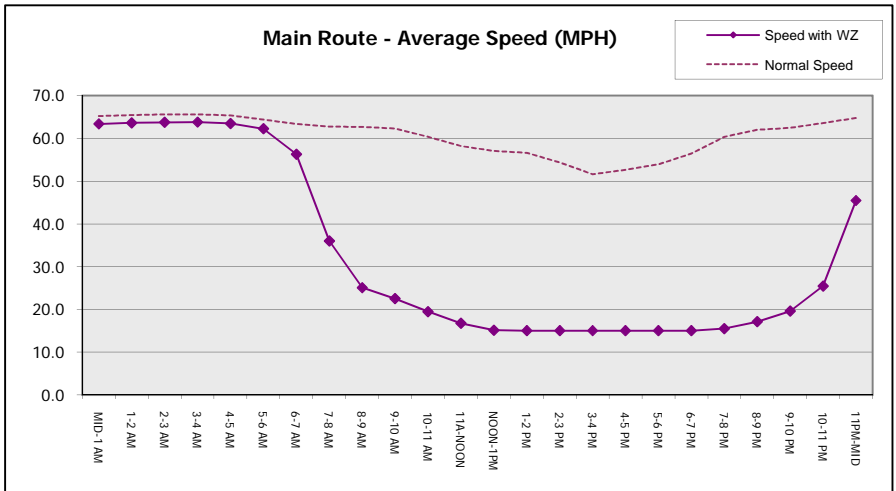
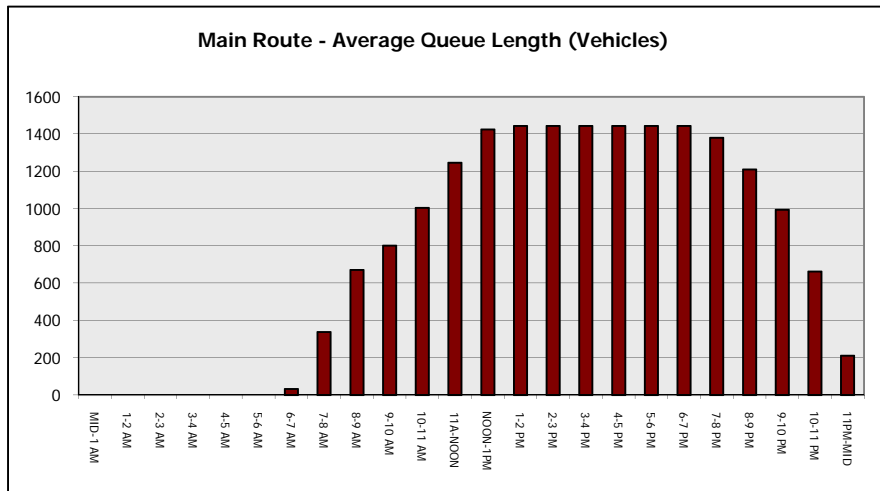
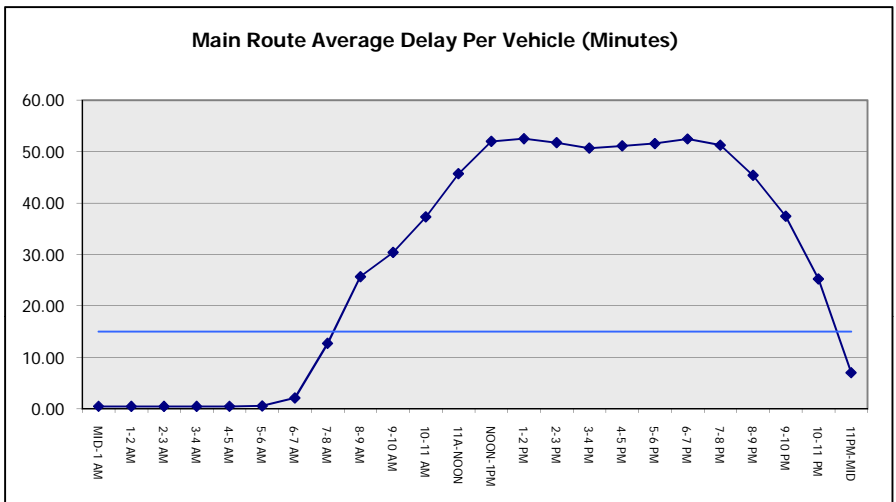
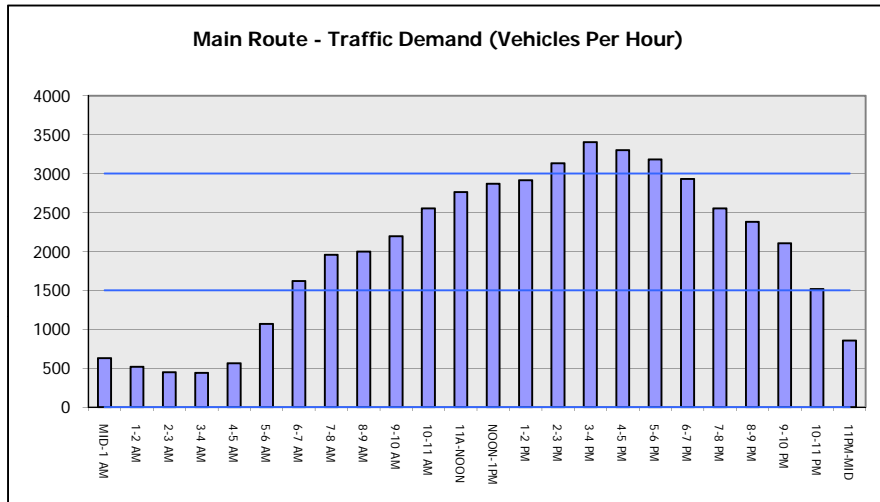
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$487,133
CONGESTED HOURS PER DAY*	15

*Delays Exceeding 15 Minutes

**IH 39/90: BELTLINE TO STH 73 (DANE COUNTY)
 CONTINUOUS (24 HOUR) 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) CONTINUOUS (24 HOUR) 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			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	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	1500	657	0	118	0.49	0	65.1	63.3	42.9	38.3	38.3
6-7 AM	905	0.0	162	0.0	1500	905	0	162	0.51	0	64.7	62.8	42.0	37.8	37.8
7-8 AM	1374	0.0	246	0.0	1499	1374	0	246	0.86	0	63.8	60.7	33.7	36.7	36.7
8-9 AM	1563	0.0	280	0.0	1499	1563	0	280	1.63	17	63.5	57.9	30.8	36.3	36.3
9-10 AM	1836	0.0	329	0.0	1500	1836	0	329	8.50	215	63.0	42.0	30.8	35.6	35.6
10-11 AM	2065	0.0	369	0.0	1499	1853	211	581	22.97	606	62.5	26.8	30.8	35.1	32.5
11A-NOON	2287	0.0	410	0.0	1500	1675	612	1022	31.94	845	62.1	21.8	30.8	34.7	27.1
NOON-1PM	2420	0.0	433	0.0	1500	1622	798	1232+	37.07	986	61.7	19.7	30.8	34.3	24.5
1-2 PM	2641	0.0	473	0.0	1500	1691	950	1423+	42.27	1145	59.4	17.8	30.8	33.8	22.0
2-3 PM	2774	0.0	497	0.0	1500	1669	1105	1602+	48.59	1326	58.1	16.0	30.8	33.6	19.9
3-4 PM	2846	0.0	510	0.0	1500	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	1500	1502	1399	1919+	52.56	1444	56.8	15.0	30.8	33.3	18.6
5-6 PM	2785	0.0	499	0.0	1500	1501	1285	1784+	52.93	1444	57.9	15.0	30.8	33.5	18.6
6-7 PM	2249	0.0	403	0.0	1500	1136	1113	1516+	46.38	1239	62.2	16.9	30.8	34.7	20.9
7-8 PM	2007	0.0	360	0.0	1500	1236	771	1131	34.67	918	62.7	20.7	30.8	35.3	25.7
8-9 PM	1603	0.0	287	0.0	1500	1254	349	636	24.88	649	63.4	25.6	30.8	36.2	31.9
9-10 PM	1368	0.0	245	0.0	1500	1348	19	264	18.53	473	63.8	30.4	30.8	36.7	36.5
10-11 PM	1152	0.0	206	0.0	1499	1152	0	206	9.01	232	64.2	41.7	33.3	37.2	37.2
11PM-MID	824	0.0	148	0.0	1500	823	0	148	0.55	1	64.8	62.8	42.3	37.9	37.9

+ 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	0.0801
DIVERSION	0.4407

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$309,382
CONGESTED HOURS PER DAY*	12

*Delays Exceeding 15 Minutes

IH 39/90: BELTLINE TO STH 73 (DANE COUNTY)
CONTINUOUS (24 HOUR) CLOSURE
DIVERSION ROUTE: STH 73 - USH 12

AUGUST
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY EASTBOUND DIRECTION

