

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

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	571	0.0	103	0.0	1500	571	0	103	0.48	0	65.3	63.5	43.2	38.4	38.4
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	432	0.0	77	0.0	1500	432	0	77	0.46	0	65.6	63.8	43.8	38.8	38.8
3-4 AM	363	0.0	65	0.0	1500	363	0	65	0.46	0	65.7	63.9	44.0	38.9	38.9
4-5 AM	406	0.0	73	0.0	1500	406	0	73	0.46	0	65.6	63.8	43.8	38.8	38.8
5-6 AM	637	0.0	114	0.0	1500	637	0	114	0.48	0	65.2	63.3	43.0	38.3	38.3
6-7 AM	1023	0.0	183	0.0	1499	1023	0	183	0.53	0	64.5	62.5	41.2	37.4	37.4
7-8 AM	1570	0.0	281	0.0	1499	1570	0	281	1.86	26	63.5	57.2	31.5	36.3	36.3
8-9 AM	2140	0.0	383	0.0	1500	2094	46	429	13.85	383	62.4	34.6	30.8	35.0	34.4
9-10 AM	2691	0.0	482	0.0	1499	1993	698	1181	34.86	957	58.9	20.2	30.8	33.8	25.1
10-11 AM	3002	0.0	538	0.0	1499	1789	1213	1751+	49.44	1371	55.8	15.6	30.8	33.0	19.4
11A-NOON	2888	0.0	517	0.0	1499	1498	1391	1907+	52.59	1444	56.9	15.0	30.8	33.3	18.6
NOON-1PM	2635	0.0	472	0.0	1499	1374	1260	1732+	52.23	1413	59.5	15.3	30.8	33.9	18.9
1-2 PM	2389	0.0	428	0.0	1499	1288	1101	1529+	46.82	1249	61.9	16.7	30.8	34.4	20.7
2-3 PM	2202	0.0	394	0.0	1499	1300	901	1296+	39.06	1038	62.3	19.1	30.8	34.8	23.7
3-4 PM	2039	0.0	365	0.0	1499	1352	688	1053	32.77	865	62.6	21.5	30.8	35.2	26.6
4-5 PM	1838	0.0	330	0.0	1499	1368	471	800	27.62	723	63.0	24.0	30.8	35.6	29.8
5-6 PM	1662	0.0	297	0.0	1500	1406	256	553	23.54	610	63.3	26.5	30.8	36.1	32.9
6-7 PM	1464	0.0	263	0.0	1500	1407	57	320	20.24	518	63.7	28.9	30.8	36.5	35.8
7-8 PM	1240	0.0	222	0.0	1499	1240	0	222	13.90	352	64.1	35.0	30.8	37.0	37.0
8-9 PM	1155	0.0	207	0.0	1499	1155	0	207	3.05	72	64.2	54.3	37.2	37.2	37.2
9-10 PM	945	0.0	170	0.0	1500	945	0	170	0.51	0	64.6	62.7	41.9	37.6	37.6
10-11 PM	695	0.0	125	0.0	1500	695	0	125	0.49	0	65.1	63.2	42.8	38.2	38.2
11PM-MID	540	0.0	96	0.0	1500	540	0	96	0.47	0	65.4	63.5	43.3	38.6	38.6

+ INDICATES DIVERSION FLOW EXCEEDS USER-SPECIFIED WARNING LIMIT

----- 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	0.0996
MAIN ROUTE WITH WORKS	0.0748
DIVERSION	0.3742

PIA: Personal Injury Accidents

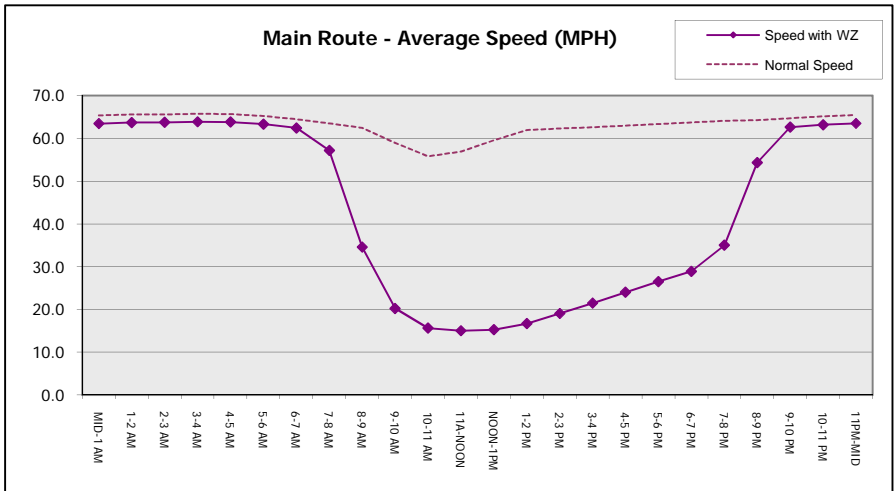
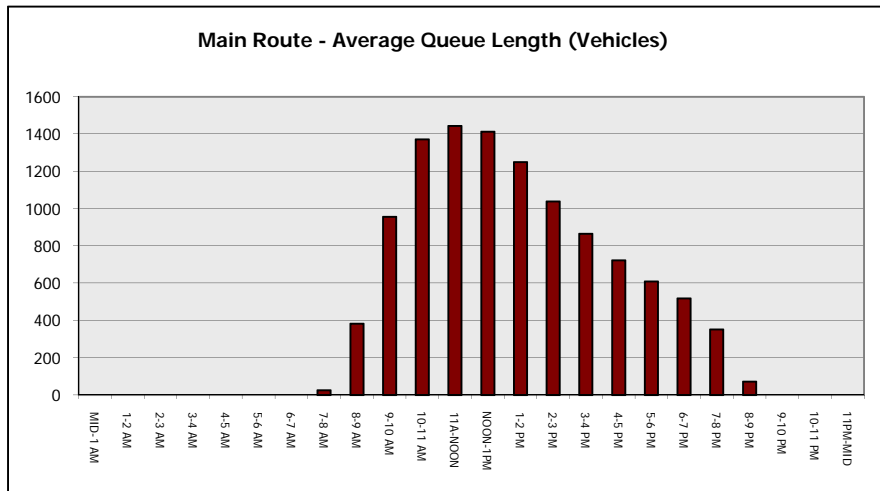
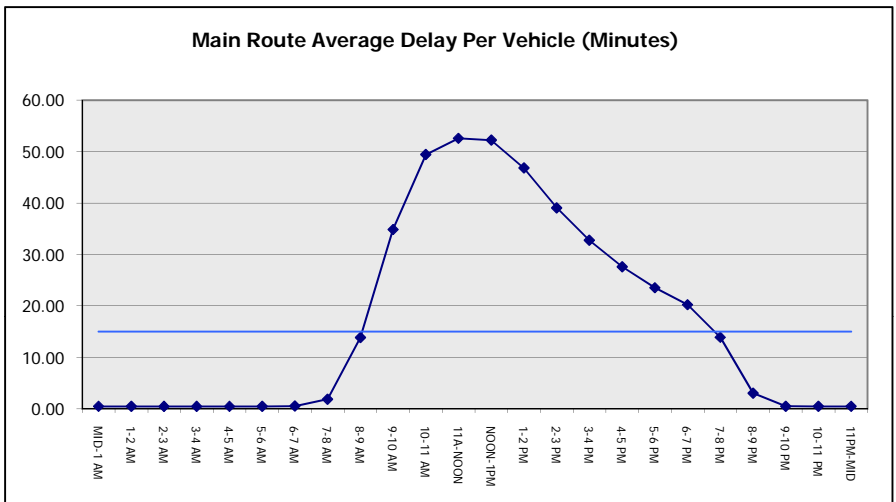
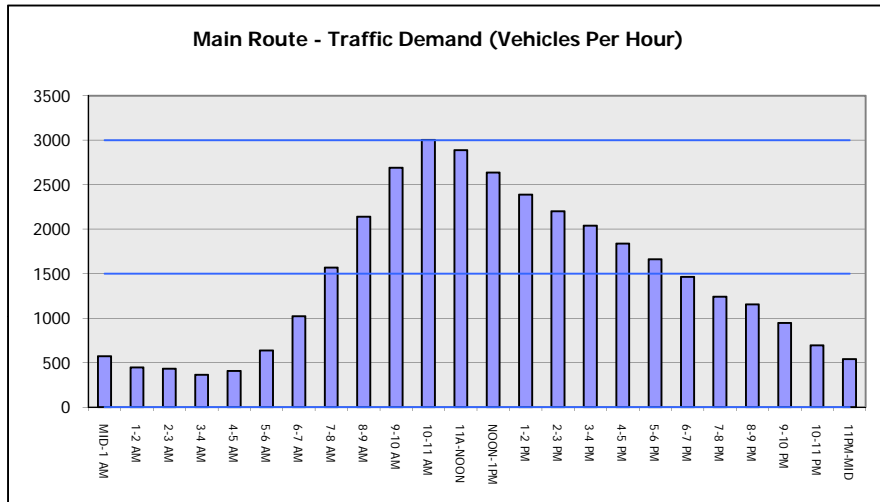
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$305,178
CONGESTED HOURS PER DAY*	10

*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
SATURDAY 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
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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	595	0.0	107	0.0	1500	595	0	107	0.48	0	65.3	63.4	43.2	38.4	38.4
1-2 AM	410	0.0	73	0.0	1500	410	0	73	0.46	0	65.6	63.8	43.8	38.8	38.8
2-3 AM	391	0.0	70	0.0	1500	391	0	70	0.46	0	65.6	63.8	43.9	38.9	38.9
3-4 AM	376	0.0	67	0.0	1500	376	0	67	0.46	0	65.7	63.9	44.0	38.9	38.9
4-5 AM	398	0.0	71	0.0	1500	398	0	71	0.46	0	65.6	63.8	43.9	38.9	38.9
5-6 AM	409	0.0	73	0.0	1500	409	0	73	0.46	0	65.6	63.8	43.8	38.8	38.8
6-7 AM	621	0.0	111	0.0	1500	621	0	111	0.48	0	65.2	63.3	43.0	38.4	38.4
7-8 AM	1016	0.0	182	0.0	1499	1016	0	182	0.52	0	64.5	62.5	41.6	37.5	37.5
8-9 AM	1416	0.0	253	0.0	1499	1416	0	253	0.98	2	63.8	60.2	33.0	36.6	36.6
9-10 AM	1842	0.0	330	0.0	1500	1842	0	330	6.08	151	63.0	46.4	30.8	35.6	35.6
10-11 AM	2326	0.0	416	0.0	1500	2040	286	703	24.33	657	62.0	25.8	30.8	34.6	31.0
11A-NOON	2576	0.0	461	0.0	1500	1760	816	1277+	37.90	1022	60.1	19.3	30.8	34.0	23.9
NOON-1PM	2840	0.0	509	0.0	1500	1777	1063	1571+	47.12	1294	57.4	16.3	30.8	33.4	20.2
1-2 PM	2875	0.0	515	0.0	1500	1499	1376	1891+	52.63	1444	57.1	15.0	30.8	33.3	18.6
2-3 PM	2711	0.0	486	0.0	1500	1504	1207	1692+	52.82	1435	58.7	15.1	30.8	33.7	18.8
3-4 PM	2728	0.0	489	0.0	1500	1502	1226	1714+	53.11	1444	58.6	15.0	30.8	33.7	18.6
4-5 PM	2481	0.0	445	0.0	1500	1312	1169	1614+	50.02	1342	61.1	15.9	30.8	34.2	19.7
5-6 PM	2373	0.0	425	0.0	1500	1343	1030	1455+	44.11	1175	62.0	17.5	30.8	34.5	21.7
6-7 PM	1948	0.0	348	0.0	1500	1169	779	1128	34.62	918	62.8	20.7	30.8	35.4	25.7
7-8 PM	1640	0.0	294	0.0	1500	1303	337	631	24.77	645	63.3	25.7	30.8	36.1	31.9
8-9 PM	1453	0.0	261	0.0	1500	1407	46	307	20.04	513	63.7	29.1	30.8	36.5	36.0
9-10 PM	1233	0.0	221	0.0	1499	1233	0	221	13.72	347	64.1	35.2	31.0	37.0	37.0
10-11 PM	978	0.0	175	0.0	1500	978	0	175	1.97	43	64.6	57.8	40.4	37.6	37.6
11PM-MID	690	0.0	123	0.0	1500	690	0	123	0.49	0	65.1	63.2	42.8	38.2	38.2

+ 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	0.1035
MAIN ROUTE WITH WORKS	0.0751
DIVERSION	0.4131

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$353,822
CONGESTED HOURS PER DAY*	11

*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
SATURDAY EASTBOUND DIRECTION

