

IH 39/90: BELTLINE TO STH 73 (DANE COUNTY) NIGHTTIME CLOSURE DIVERSION ROUTE: STH 73 - USH 12	OCTOBER
	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	466	0.0	84	0.0	1500	466	0	84	0.47	0	65.5	63.7	43.7	38.7	38.7
1-2 AM	351	0.0	63	0.0	1500	351	0	63	0.46	0	65.7	64.0	44.1	38.9	38.9
2-3 AM	316	0.0	57	0.0	1500	316	0	57	0.45	0	65.8	64.0	44.2	39.1	39.1
3-4 AM	262	0.0	47	0.0	1500	262	0	47	0.45	0	65.9	64.1	44.5	39.2	39.2
4-5 AM	365	0.0	66	0.0	1500	365	0	66	0.46	0	65.7	63.9	44.0	38.9	38.9
5-6 AM	545	0.0	97	0.0	1500	545	0	97	0.48	0	65.4	63.5	43.3	38.6	38.6
6-7 AM	852	0.0	153	0.0	1500	852	0	153	0.50	0	64.8	62.9	42.2	37.8	37.8
7-8 AM	1378	0.0	247	0.0	1499	1378	0	247	0.98	3	63.8	60.3	34.2	36.7	36.7
8-9 AM	2075	0.0	371	0.0	OFF	2075	0	371	0.01	0	62.5	62.5	62.5	35.1	35.1
9-10 AM	2284	0.0	409	0.0	OFF	2284	0	409	0.00	0	62.1	62.1	62.1	34.7	34.7
10-11 AM	2228	0.0	399	0.0	OFF	2228	0	399	0.00	0	62.2	62.2	62.2	34.8	34.8
11A-NOON	2129	0.0	381	0.0	OFF	2129	0	381	0.00	0	62.4	62.4	62.4	35.0	35.0
NOON-1PM	2025	0.0	362	0.0	OFF	2025	0	362	0.00	0	62.6	62.6	62.6	35.3	35.3
1-2 PM	1810	0.0	324	0.0	OFF	1810	0	324	0.00	0	63.0	63.0	63.0	35.7	35.7
2-3 PM	1827	0.0	327	0.0	OFF	1827	0	327	0.00	0	63.0	63.0	63.0	35.7	35.7
3-4 PM	1427	0.0	255	0.0	OFF	1427	0	255	0.00	0	63.7	63.7	63.7	36.6	36.6
4-5 PM	1494	0.0	268	0.0	OFF	1494	0	268	0.00	0	63.6	63.6	63.6	36.4	36.4
5-6 PM	1804	0.0	323	0.0	OFF	1804	0	323	0.00	0	63.0	63.0	63.0	35.7	35.7
6-7 PM	1351	0.0	242	0.0	1500	1351	0	242	0.83	0	63.8	60.9	34.2	36.8	36.8
7-8 PM	1114	0.0	200	0.0	1500	1114	0	200	0.53	0	64.3	62.3	41.3	37.3	37.3
8-9 PM	944	0.0	169	0.0	1500	944	0	169	0.51	0	64.6	62.7	41.9	37.6	37.6
9-10 PM	806	0.0	144	0.0	1500	806	0	144	0.50	0	64.9	63.0	42.4	37.9	37.9
10-11 PM	579	0.0	104	0.0	1500	579	0	104	0.48	0	65.3	63.5	43.2	38.4	38.4
11PM-MID	419	0.0	75	0.0	1500	419	0	75	0.46	0	65.6	63.8	43.8	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	0.0822
MAIN ROUTE WITH WORKS	0.0815
DIVERSION	0.1348

PIA: Personal Injury Accidents

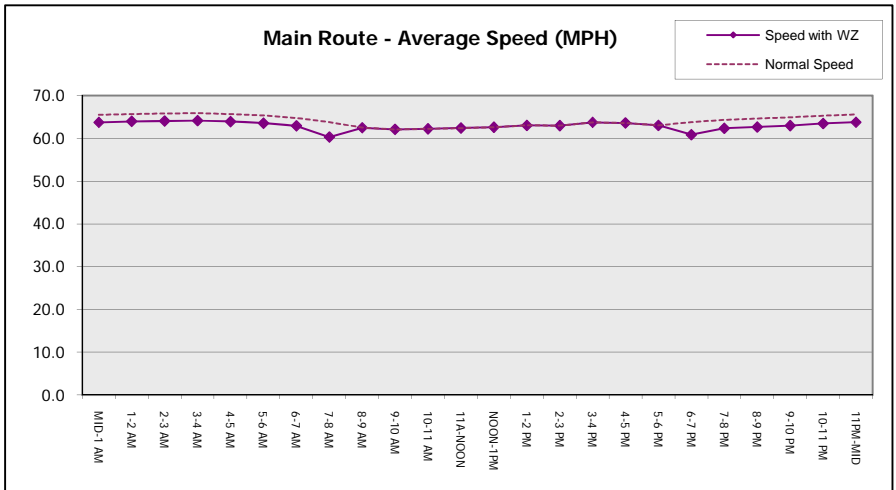
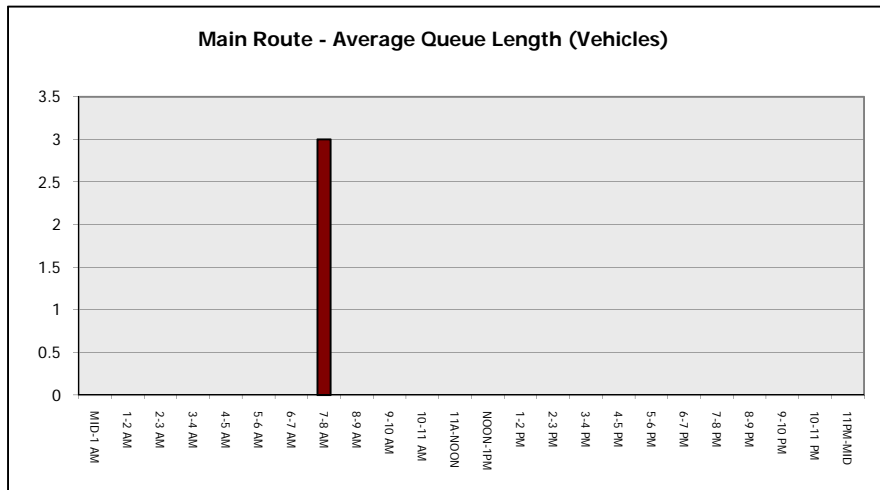
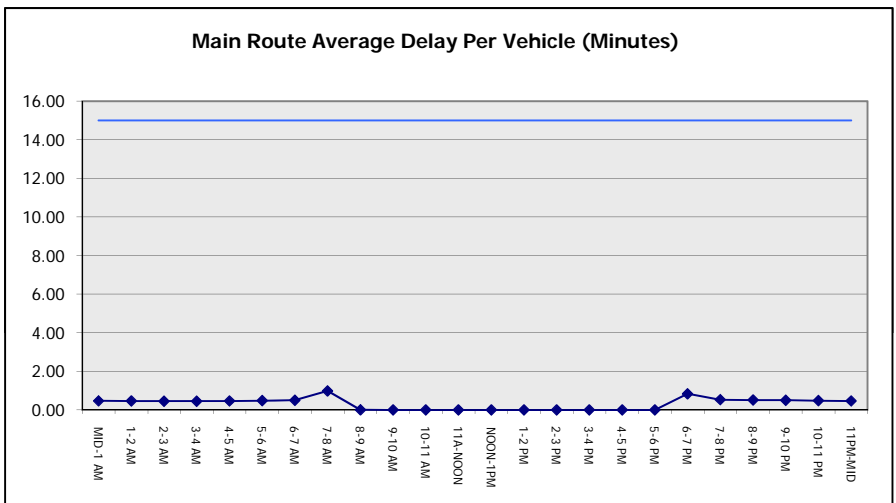
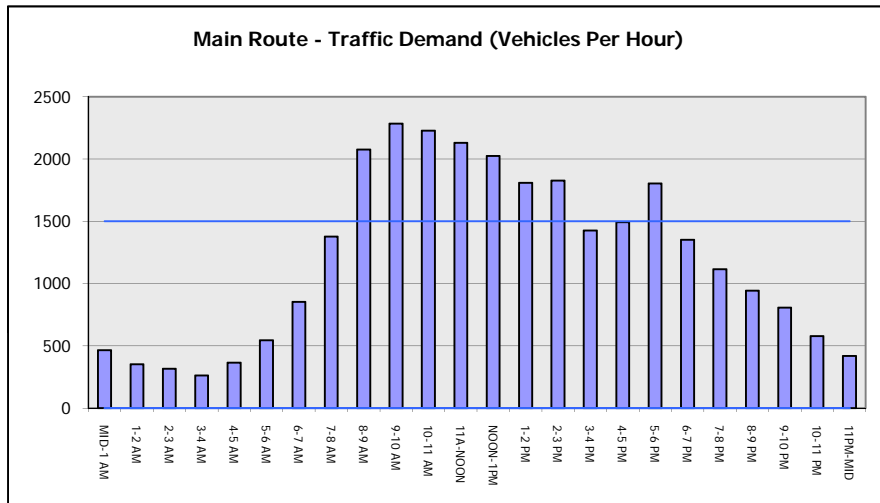
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$1,487
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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

OCTOBER
 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) NIGHTTIME CLOSURE DIVERSION ROUTE: STH 73 - USH 12	OCTOBER
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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	430	0.0	77	0.0	1500	430	0	77	0.46	0	65.6	63.8	43.8	38.8	38.8
1-2 AM	334	0.0	60	0.0	1500	334	0	60	0.45	0	65.8	64.0	44.2	39.0	39.0
2-3 AM	289	0.0	52	0.0	1500	289	0	52	0.45	0	65.8	64.1	44.3	39.1	39.1
3-4 AM	298	0.0	53	0.0	1500	298	0	53	0.45	0	65.8	64.0	44.3	39.1	39.1
4-5 AM	347	0.0	62	0.0	1500	347	0	62	0.46	0	65.8	64.0	44.1	39.0	39.0
5-6 AM	380	0.0	68	0.0	1500	380	0	68	0.46	0	65.7	63.9	44.0	38.9	38.9
6-7 AM	540	0.0	96	0.0	1500	540	0	96	0.47	0	65.4	63.5	43.3	38.6	38.6
7-8 AM	819	0.0	146	0.0	1500	819	0	146	0.50	0	64.8	63.0	42.3	37.9	37.9
8-9 AM	1236	0.0	222	0.0	OFF	1236	0	222	0.00	0	64.1	64.1	64.1	37.0	37.0
9-10 AM	1568	0.0	280	0.0	OFF	1568	0	280	0.00	0	63.5	63.5	63.5	36.3	36.3
10-11 AM	1722	0.0	309	0.0	OFF	1722	0	309	0.00	0	63.2	63.2	63.2	35.9	35.9
11A-NOON	1791	0.0	321	0.0	OFF	1791	0	321	0.00	0	63.0	63.0	63.0	35.8	35.8
NOON-1PM	1861	0.0	333	0.0	OFF	1861	0	333	0.00	0	62.9	62.9	62.9	35.6	35.6
1-2 PM	1840	0.0	330	0.0	OFF	1840	0	330	0.00	0	63.0	63.0	63.0	35.6	35.6
2-3 PM	1908	0.0	342	0.0	OFF	1908	0	342	0.00	0	62.8	62.8	62.8	35.5	35.5
3-4 PM	2127	0.0	381	0.0	OFF	2127	0	381	0.00	0	62.4	62.4	62.4	35.0	35.0
4-5 PM	2076	0.0	371	0.0	OFF	2076	0	371	0.00	0	62.5	62.5	62.5	35.1	35.1
5-6 PM	1891	0.0	339	0.0	OFF	1891	0	339	0.00	0	62.8	62.8	62.8	35.5	35.5
6-7 PM	1743	0.0	312	0.0	1499	1743	0	312	5.83	137	63.2	47.0	30.8	35.9	35.9
7-8 PM	1386	0.0	248	0.0	1499	1386	0	248	8.65	206	63.8	42.2	30.8	36.6	36.6
8-9 PM	1107	0.0	198	0.0	1500	1107	0	198	1.46	25	64.3	59.1	39.2	37.3	37.3
9-10 PM	898	0.0	161	0.0	1500	898	0	161	0.51	0	64.7	62.8	42.0	37.8	37.8
10-11 PM	708	0.0	127	0.0	1500	708	0	127	0.49	0	65.1	63.2	42.7	38.2	38.2
11PM-MID	526	0.0	94	0.0	1500	526	0	94	0.47	0	65.4	63.6	43.4	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	0.0793
MAIN ROUTE WITH WORKS	0.0786
DIVERSION	0.1300

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$6,621
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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NIGHTTIME CLOSURE
DIVERSION ROUTE: STH 73 - USH 12

OCTOBER
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 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SATURDAY EASTBOUND DIRECTION

