

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

SUMMARY OF TRAFFIC MODEL OUTPUT

MON-THUR 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	371	0.0	67	0.0	1500	371	0	67	0.46	0	65.7	63.9	44.0	38.9	38.9
1-2 AM	317	0.0	57	0.0	1500	317	0	57	0.45	0	65.8	64.0	44.2	39.1	39.1
2-3 AM	339	0.0	61	0.0	1500	339	0	61	0.46	0	65.8	64.0	44.2	39.0	39.0
3-4 AM	347	0.0	62	0.0	1500	347	0	62	0.46	0	65.8	64.0	44.1	39.0	39.0
4-5 AM	531	0.0	95	0.0	1500	531	0	95	0.47	0	65.4	63.6	43.4	38.6	38.6
5-6 AM	1100	0.0	197	0.0	OFF	1100	0	197	0.00	0	64.3	64.3	64.3	37.3	37.3
6-7 AM	1506	0.0	270	0.0	OFF	1506	0	270	0.00	0	63.6	63.6	63.6	36.4	36.4
7-8 AM	1471	0.0	264	0.0	OFF	1471	0	264	0.00	0	63.7	63.7	63.7	36.5	36.5
8-9 AM	1359	0.0	244	0.0	OFF	1359	0	244	0.00	0	63.8	63.8	63.8	36.7	36.7
9-10 AM	1383	0.0	248	0.0	OFF	1383	0	248	0.00	0	63.8	63.8	63.8	36.6	36.6
10-11 AM	1515	0.0	271	0.0	OFF	1515	0	271	0.00	0	63.6	63.6	63.6	36.4	36.4
11A-NOON	1551	0.0	277	0.0	OFF	1551	0	277	0.00	0	63.5	63.5	63.5	36.3	36.3
NOON-1PM	1543	0.0	276	0.0	OFF	1543	0	276	0.00	0	63.5	63.5	63.5	36.3	36.3
1-2 PM	1612	0.0	289	0.0	OFF	1612	0	289	0.00	0	63.4	63.4	63.4	36.1	36.1
2-3 PM	1630	0.0	292	0.0	OFF	1630	0	292	0.00	0	63.3	63.3	63.3	36.1	36.1
3-4 PM	1670	0.0	299	0.0	OFF	1670	0	299	0.00	0	63.3	63.3	63.3	36.0	36.0
4-5 PM	1580	0.0	283	0.0	OFF	1580	0	283	0.00	0	63.5	63.5	63.5	36.2	36.2
5-6 PM	1390	0.0	249	0.0	OFF	1390	0	249	0.00	0	63.8	63.8	63.8	36.6	36.6
6-7 PM	1149	0.0	206	0.0	OFF	1149	0	206	0.00	0	64.3	64.3	64.3	37.2	37.2
7-8 PM	1074	0.0	193	0.0	1500	1074	0	193	0.53	0	64.4	62.4	41.4	37.3	37.3
8-9 PM	1005	0.0	180	0.0	1500	1005	0	180	0.52	0	64.5	62.5	41.7	37.5	37.5
9-10 PM	829	0.0	149	0.0	1500	829	0	149	0.50	0	64.8	62.9	42.3	37.9	37.9
10-11 PM	651	0.0	116	0.0	1500	651	0	116	0.49	0	65.1	63.3	42.9	38.3	38.3
11PM-MID	424	0.0	75	0.0	1500	424	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	0.0751
MAIN ROUTE WITH WORKS	0.0747
DIVERSION	0.1231

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$590
CONGESTED HOURS PER DAY*	0

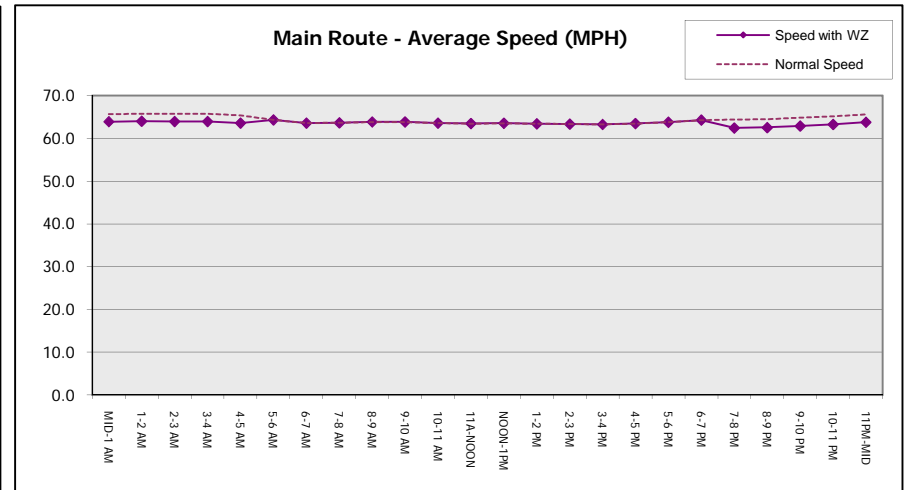
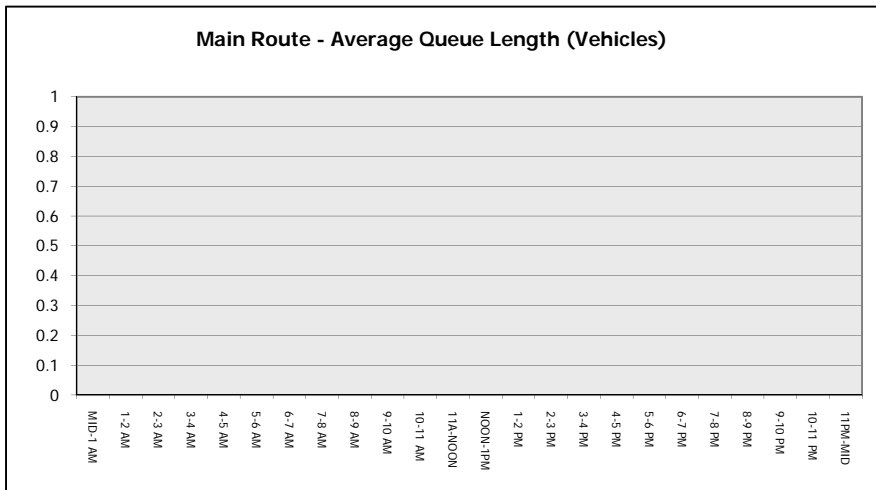
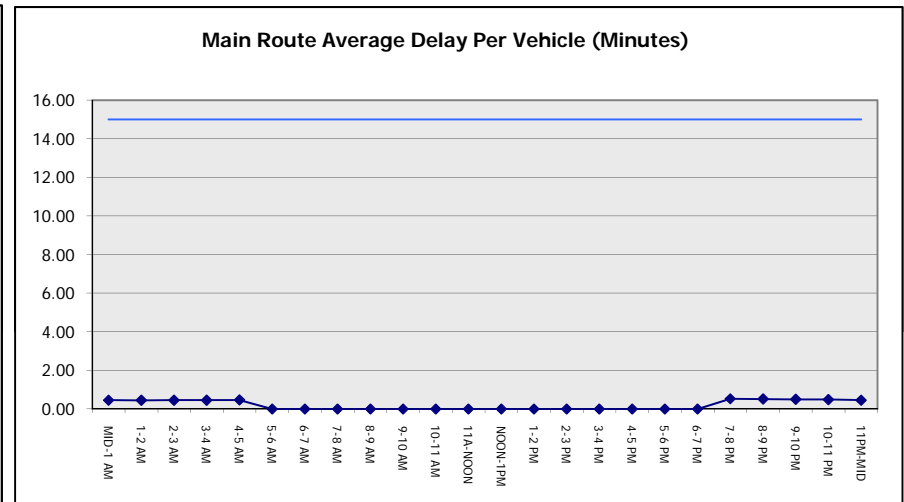
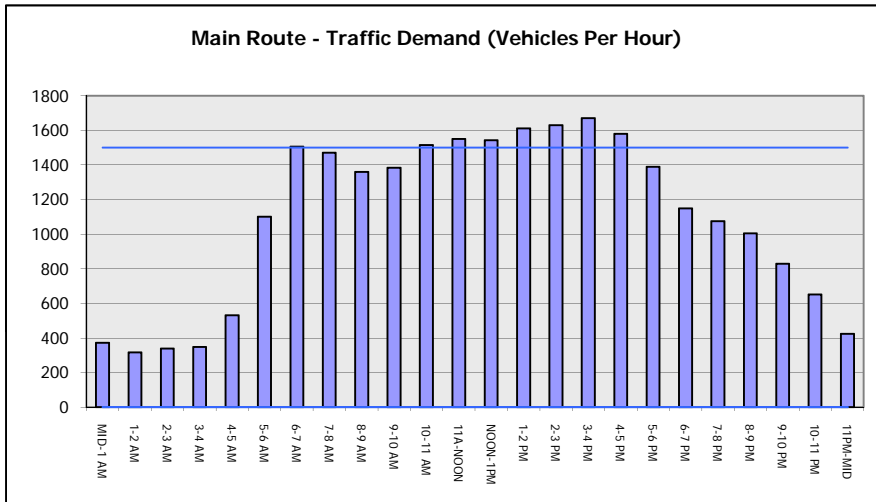
*Delays Exceeding 15 Minutes

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NIGHTTIME CLOSURE
DIVERSION ROUTE: STH 73 - USH 12

MAY
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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT

MON-THUR WESTBOUND DIRECTION



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

SUMMARY OF TRAFFIC MODEL OUTPUT

MON-THUR 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	358	0.0	64	0.0	1500	358	0	64	0.46	0	65.7	63.9	44.0	38.9	38.9
1-2 AM	304	0.0	54	0.0	1500	304	0	54	0.45	0	65.8	64.0	44.3	39.1	39.1
2-3 AM	330	0.0	59	0.0	1500	330	0	59	0.45	0	65.8	64.0	44.2	39.0	39.0
3-4 AM	380	0.0	68	0.0	1500	380	0	68	0.46	0	65.7	63.9	44.0	38.9	38.9
4-5 AM	487	0.0	87	0.0	1500	487	0	87	0.47	0	65.5	63.7	43.5	38.7	38.7
5-6 AM	669	0.0	120	0.0	OFF	669	0	120	0.00	0	65.1	65.1	65.1	38.3	38.3
6-7 AM	987	0.0	177	0.0	OFF	987	0	177	0.00	0	64.5	64.5	64.5	37.6	37.6
7-8 AM	1251	0.0	224	0.0	OFF	1251	0	224	0.00	0	64.0	64.0	64.0	36.9	36.9
8-9 AM	1335	0.0	239	0.0	OFF	1335	0	239	0.00	0	63.9	63.9	63.9	36.8	36.8
9-10 AM	1414	0.0	253	0.0	OFF	1414	0	253	0.00	0	63.8	63.8	63.8	36.6	36.6
10-11 AM	1530	0.0	274	0.0	OFF	1530	0	274	0.00	0	63.5	63.5	63.5	36.3	36.3
11A-NOON	1624	0.0	291	0.0	OFF	1624	0	291	0.00	0	63.3	63.3	63.3	36.1	36.1
NOON-1PM	1688	0.0	302	0.0	OFF	1688	0	302	0.00	0	63.2	63.2	63.2	36.0	36.0
1-2 PM	1737	0.0	311	0.0	OFF	1737	0	311	0.00	0	63.2	63.2	63.2	35.9	35.9
2-3 PM	1830	0.0	328	0.0	OFF	1830	0	328	0.00	0	63.0	63.0	63.0	35.6	35.6
3-4 PM	1925	0.0	345	0.0	OFF	1925	0	345	0.00	0	62.8	62.8	62.8	35.5	35.5
4-5 PM	1953	0.0	350	0.0	OFF	1953	0	350	0.00	0	62.7	62.7	62.7	35.4	35.4
5-6 PM	1845	0.0	331	0.0	OFF	1845	0	331	0.00	0	63.0	63.0	63.0	35.6	35.6
6-7 PM	1510	0.0	270	0.0	OFF	1510	0	270	0.00	0	63.6	63.6	63.6	36.4	36.4
7-8 PM	1225	0.0	220	0.0	1500	1225	0	220	0.67	0	64.1	61.7	37.6	37.0	37.0
8-9 PM	1078	0.0	193	0.0	1500	1078	0	193	0.53	0	64.4	62.4	41.4	37.3	37.3
9-10 PM	918	0.0	164	0.0	1500	918	0	164	0.51	0	64.6	62.7	42.0	37.7	37.7
10-11 PM	687	0.0	123	0.0	1500	687	0	123	0.49	0	65.1	63.2	42.8	38.2	38.2
11PM-MID	451	0.0	81	0.0	1500	451	0	81	0.47	0	65.5	63.7	43.7	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	0.0784
MAIN ROUTE WITH WORKS	0.0780
DIVERSION	0.1285

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$664
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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 NIGHTTIME CLOSURE
 DIVERSION ROUTE: STH 73 - USH 12**

MAY
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 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
MON-THUR EASTBOUND DIRECTION

