

IH 39/90: BELTLINE TO STH 73 (DANE COUNTY) OFF-PEAK DAY 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	OFF	371	0	67	0.00	0	65.7	65.7	65.7	38.9	38.9
1-2 AM	317	0.0	57	0.0	OFF	317	0	57	0.00	0	65.8	65.8	65.8	39.1	39.1
2-3 AM	339	0.0	61	0.0	OFF	339	0	61	0.00	0	65.8	65.8	65.8	39.0	39.0
3-4 AM	347	0.0	62	0.0	OFF	347	0	62	0.00	0	65.8	65.8	65.8	39.0	39.0
4-5 AM	531	0.0	95	0.0	OFF	531	0	95	0.00	0	65.4	65.4	65.4	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	1499	1383	0	248	0.87	0	63.8	60.7	33.3	36.6	36.6
10-11 AM	1515	0.0	271	0.0	1499	1515	0	271	1.18	4	63.6	59.4	30.9	36.4	36.4
11A-NOON	1551	0.0	277	0.0	1500	1551	0	277	2.57	42	63.5	55.1	30.8	36.3	36.3
NOON-1PM	1543	0.0	276	0.0	1499	1543	0	276	4.28	88	63.5	50.7	30.8	36.3	36.3
1-2 PM	1612	0.0	289	0.0	1500	1612	0	289	7.08	165	63.4	44.7	30.8	36.1	36.1
2-3 PM	1630	0.0	292	0.0	1500	1630	0	292	11.60	287	63.3	37.6	30.8	36.1	36.1
3-4 PM	1670	0.0	299	0.0	1500	1670	0	299	17.24	441	63.3	31.4	30.8	36.0	36.0
4-5 PM	1580	0.0	283	0.0	OFF	1580	0	283	1.12	56	63.5	59.5	59.5	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	OFF	1074	0	193	0.00	0	64.4	64.4	64.4	37.3	37.3
8-9 PM	1005	0.0	180	0.0	OFF	1005	0	180	0.00	0	64.5	64.5	64.5	37.5	37.5
9-10 PM	829	0.0	149	0.0	OFF	829	0	149	0.00	0	64.8	64.8	64.8	37.9	37.9
10-11 PM	651	0.0	116	0.0	OFF	651	0	116	0.00	0	65.1	65.1	65.1	38.3	38.3
11PM-MID	424	0.0	75	0.0	OFF	424	0	75	0.00	0	65.6	65.6	65.6	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	0.0743
DIVERSION	0.1231

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$13,635
CONGESTED HOURS PER DAY*	1

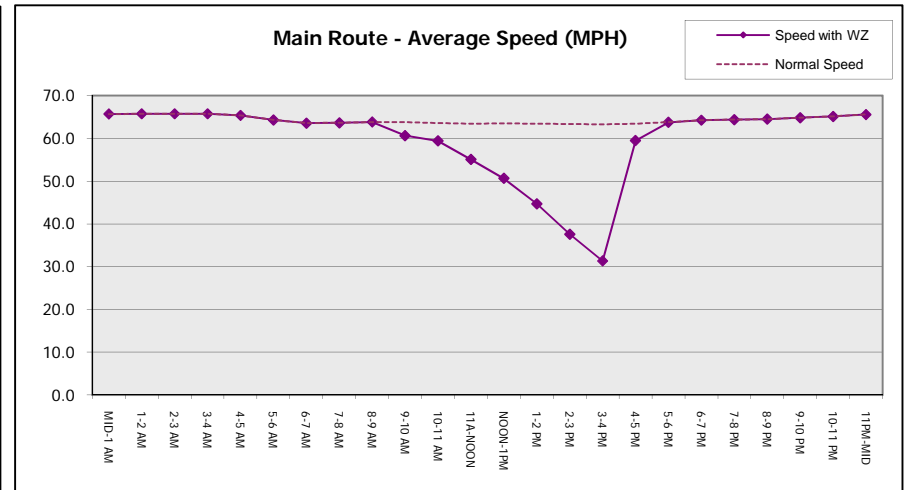
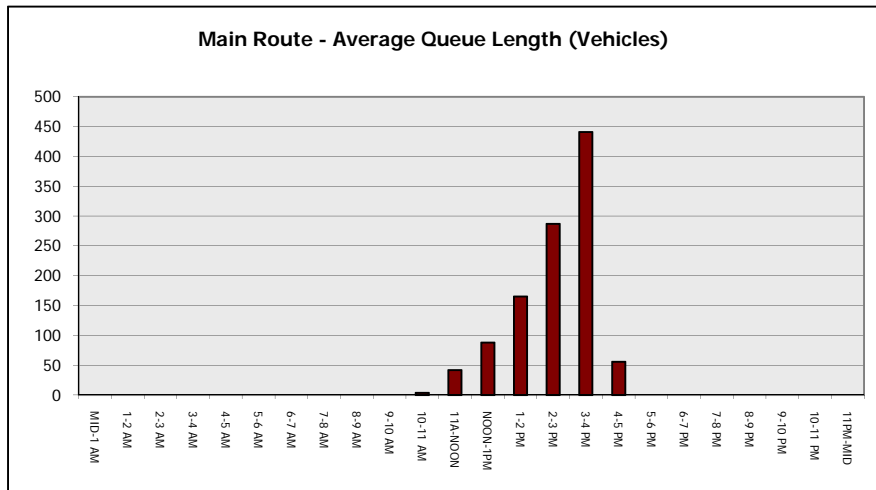
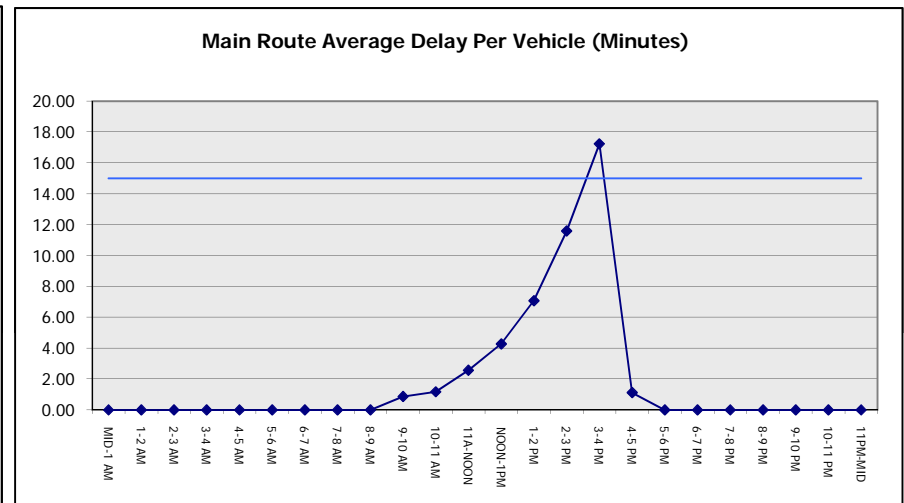
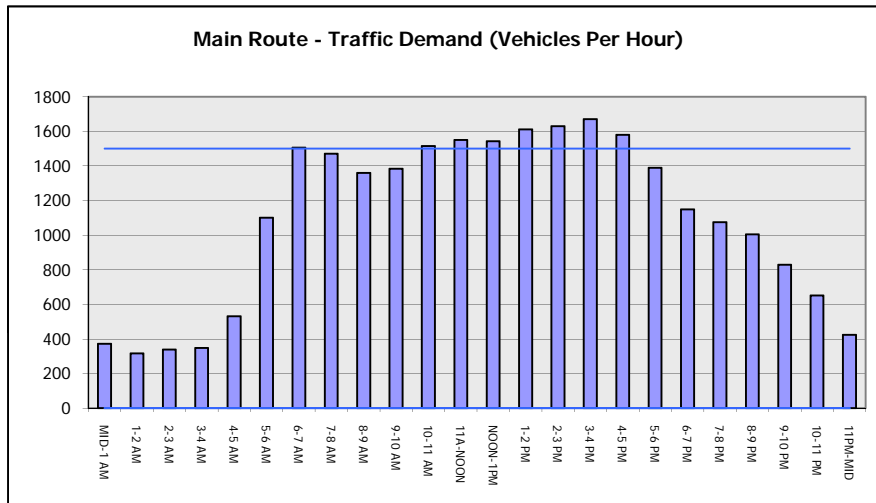
*Delays Exceeding 15 Minutes

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OFF-PEAK DAY CLOSURE
DIVERSION ROUTE: STH 73 - USH 12

MAY
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 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT

MON-THUR WESTBOUND DIRECTION



IH 39/90: BELTLINE TO STH 73 (DANE COUNTY) OFF-PEAK DAY 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	OFF	358	0	64	0.00	0	65.7	65.7	65.7	38.9	38.9
1-2 AM	304	0.0	54	0.0	OFF	304	0	54	0.00	0	65.8	65.8	65.8	39.1	39.1
2-3 AM	330	0.0	59	0.0	OFF	330	0	59	0.00	0	65.8	65.8	65.8	39.0	39.0
3-4 AM	380	0.0	68	0.0	OFF	380	0	68	0.00	0	65.7	65.7	65.7	38.9	38.9
4-5 AM	487	0.0	87	0.0	OFF	487	0	87	0.00	0	65.5	65.5	65.5	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	1499	1414	0	253	0.91	0	63.8	60.5	32.7	36.6	36.6
10-11 AM	1530	0.0	274	0.0	1499	1530	0	274	1.32	8	63.5	58.9	30.8	36.3	36.3
11A-NOON	1624	0.0	291	0.0	1500	1624	0	291	4.15	86	63.3	50.9	30.8	36.1	36.1
NOON-1PM	1688	0.0	302	0.0	1500	1688	0	302	9.89	244	63.2	39.9	30.8	36.0	36.0
1-2 PM	1737	0.0	311	0.0	1500	1722	15	326	17.62	454	63.2	31.0	30.8	35.9	35.7
2-3 PM	1830	0.0	328	0.0	1499	1589	241	568	23.69	615	63.0	26.3	30.8	35.6	32.7
3-4 PM	1925	0.0	345	0.0	1499	1553	373	718	26.09	681	62.8	24.8	30.8	35.5	30.8
4-5 PM	1953	0.0	350	0.0	OFF	1953	0	350	2.82	121	62.7	53.8	53.8	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	OFF	1225	0	220	0.00	0	64.1	64.1	64.1	37.0	37.0
8-9 PM	1078	0.0	193	0.0	OFF	1078	0	193	0.00	0	64.4	64.4	64.4	37.3	37.3
9-10 PM	918	0.0	164	0.0	OFF	918	0	164	0.00	0	64.6	64.6	64.6	37.7	37.7
10-11 PM	687	0.0	123	0.0	OFF	687	0	123	0.00	0	65.1	65.1	65.1	38.2	38.2
11PM-MID	451	0.0	81	0.0	OFF	451	0	81	0.00	0	65.5	65.5	65.5	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	0.0759
DIVERSION	0.1449

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$28,645
CONGESTED HOURS PER DAY*	3

*Delays Exceeding 15 Minutes

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

MAY
 Analyzed for 2009
 Construction Season

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

