

IH 39/90: BELTLINE TO STH 73 (DANE COUNTY) CONTINUOUS (24 HOUR) 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	1499	1100	0	197	0.59	0	64.3	62.2	39.7	37.3	37.3
6-7 AM	1506	0.0	270	0.0	1499	1506	0	270	1.23	6	63.6	59.2	31.2	36.4	36.4
7-8 AM	1471	0.0	264	0.0	1499	1471	0	264	1.61	16	63.7	58.1	31.1	36.5	36.5
8-9 AM	1359	0.0	244	0.0	1500	1359	0	244	0.84	0	63.8	60.8	34.0	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	1499	1502	78	361	20.83	535	63.5	28.4	30.8	36.2	35.3
5-6 PM	1390	0.0	249	0.0	1499	1379	11	260	18.65	475	63.8	30.2	30.8	36.6	36.5
6-7 PM	1149	0.0	206	0.0	1499	1149	0	206	9.31	239	64.3	41.2	32.9	37.2	37.2
7-8 PM	1074	0.0	193	0.0	1500	1074	0	193	0.66	3	64.4	62.0	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

----- 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	0.0751
MAIN ROUTE WITH WORKS	0.0731
DIVERSION	0.1254

PIA: Personal Injury Accidents

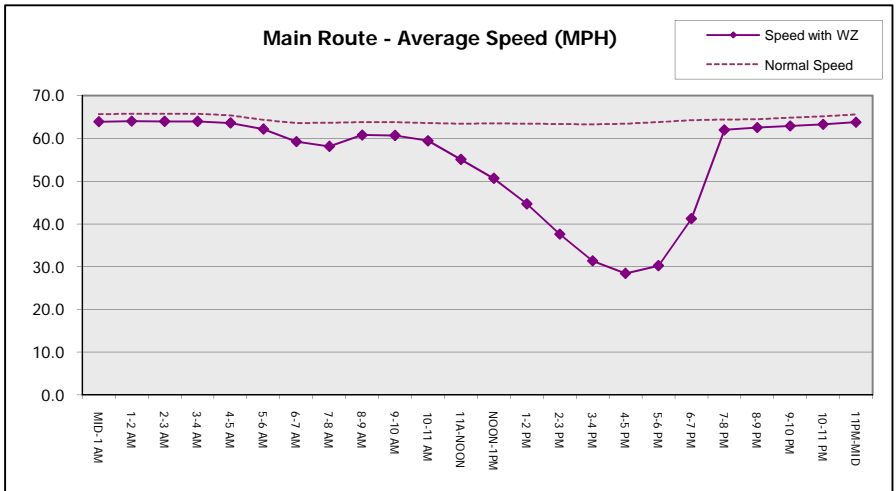
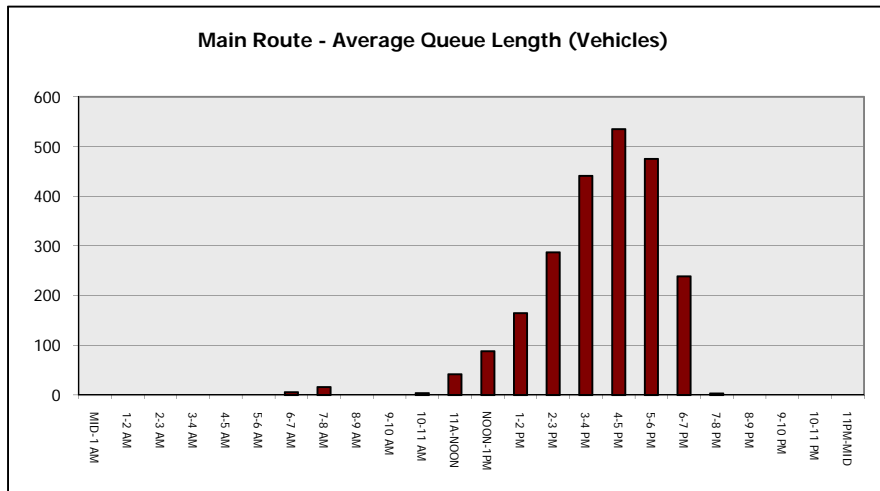
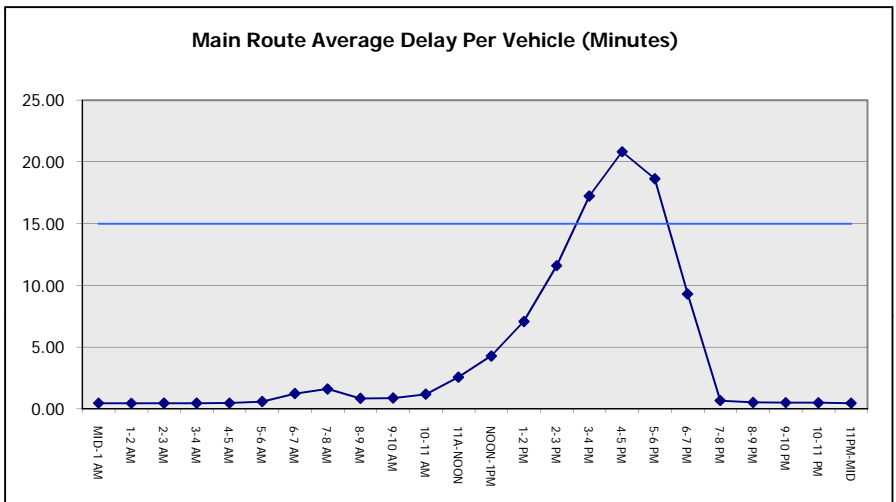
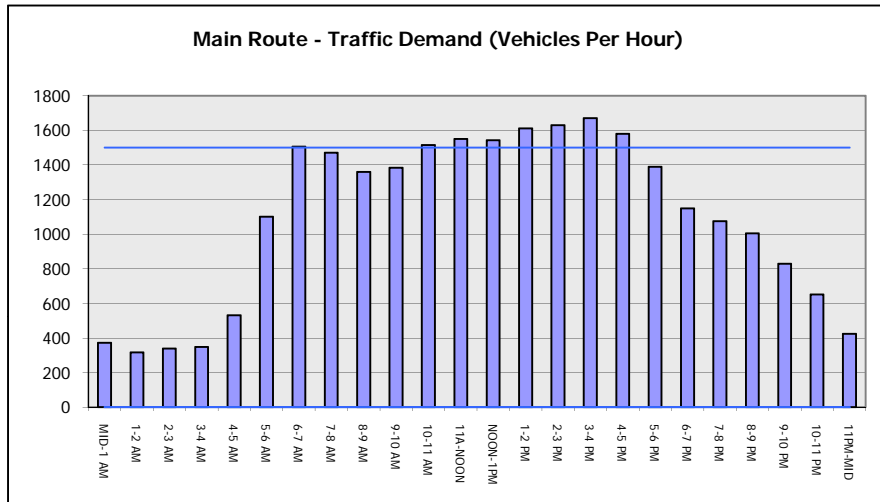
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$34,272
CONGESTED HOURS PER DAY*	3

*Delays Exceeding 15 Minutes

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

MAY
 Analyzed for 2009
 Construction Season

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



IH 39/90: BELTLINE TO STH 73 (DANE COUNTY) CONTINUOUS (24 HOUR) 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	1500	669	0	120	0.49	0	65.1	63.3	42.8	38.3	38.3
6-7 AM	987	0.0	177	0.0	1500	987	0	177	0.52	0	64.5	62.6	41.7	37.6	37.6
7-8 AM	1251	0.0	224	0.0	1500	1251	0	224	0.70	0	64.0	61.5	36.9	36.9	36.9
8-9 AM	1335	0.0	239	0.0	1500	1335	0	239	0.81	0	63.9	61.0	34.6	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	1499	1513	440	789	27.35	716	62.7	24.2	30.8	35.4	29.9
5-6 PM	1845	0.0	331	0.0	1499	1435	409	740	26.52	693	63.0	24.7	30.8	35.6	30.6
6-7 PM	1510	0.0	270	0.0	1499	1341	169	439	21.93	566	63.6	27.6	30.8	36.4	34.3
7-8 PM	1225	0.0	220	0.0	1499	1225	0	220	14.58	370	64.1	34.3	30.9	37.0	37.0
8-9 PM	1078	0.0	193	0.0	1499	1078	0	193	2.65	62	64.4	55.5	38.6	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

----- 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	0.0720
DIVERSION	0.1714

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$70,633
CONGESTED HOURS PER DAY*	6

*Delays Exceeding 15 Minutes

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 CONTINUOUS (24 HOUR) CLOSURE
 DIVERSION ROUTE: STH 73 - USH 12**

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 Construction Season

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

