

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

SUNDAY 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	299	0.0	53	0.0	1500	299	0	53	0.45	0	65.8	64.0	44.3	39.1	39.1
1-2 AM	217	0.0	39	0.0	1500	217	0	39	0.44	0	66.0	64.2	44.6	39.2	39.2
2-3 AM	170	0.0	30	0.0	1500	170	0	30	0.44	0	66.1	64.3	44.8	39.4	39.4
3-4 AM	134	0.0	24	0.0	1500	134	0	24	0.44	0	66.1	64.4	45.0	39.4	39.4
4-5 AM	174	0.0	31	0.0	1500	174	0	31	0.44	0	66.1	64.3	44.8	39.4	39.4
5-6 AM	265	0.0	47	0.0	1500	265	0	47	0.45	0	65.9	64.1	44.4	39.2	39.2
6-7 AM	410	0.0	73	0.0	1500	410	0	73	0.46	0	65.6	63.8	43.8	38.8	38.8
7-8 AM	605	0.0	109	0.0	1500	605	0	109	0.48	0	65.3	63.4	43.1	38.4	38.4
8-9 AM	932	0.0	167	0.0	1500	932	0	167	0.51	0	64.6	62.7	41.9	37.7	37.7
9-10 AM	1347	0.0	242	0.0	OFF	1347	0	242	0.00	0	63.9	63.9	63.9	36.8	36.8
10-11 AM	1762	0.0	316	0.0	OFF	1762	0	316	0.00	0	63.1	63.1	63.1	35.8	35.8
11A-NOON	2046	0.0	366	0.0	OFF	2046	0	366	0.00	0	62.6	62.6	62.6	35.2	35.2
NOON-1PM	2170	0.0	388	0.0	OFF	2170	0	388	0.00	0	62.3	62.3	62.3	34.9	34.9
1-2 PM	2114	0.0	379	0.0	OFF	2114	0	379	0.00	0	62.5	62.5	62.5	35.0	35.0
2-3 PM	2165	0.0	388	0.0	OFF	2165	0	388	0.00	0	62.3	62.3	62.3	34.9	34.9
3-4 PM	2155	0.0	386	0.0	OFF	2155	0	386	0.00	0	62.3	62.3	62.3	35.0	35.0
4-5 PM	2225	0.0	399	0.0	OFF	2225	0	399	0.00	0	62.2	62.2	62.2	34.8	34.8
5-6 PM	1949	0.0	349	0.0	OFF	1949	0	349	0.00	0	62.8	62.8	62.8	35.4	35.4
6-7 PM	1704	0.0	306	0.0	OFF	1704	0	306	0.00	0	63.2	63.2	63.2	36.0	36.0
7-8 PM	1378	0.0	247	0.0	1500	1378	0	247	0.87	0	63.8	60.7	33.5	36.7	36.7
8-9 PM	1119	0.0	200	0.0	1500	1119	0	200	0.53	0	64.3	62.3	41.2	37.3	37.3
9-10 PM	920	0.0	164	0.0	1500	920	0	164	0.51	0	64.6	62.7	42.0	37.7	37.7
10-11 PM	582	0.0	105	0.0	1500	582	0	105	0.48	0	65.3	63.5	43.2	38.4	38.4
11PM-MID	456	0.0	82	0.0	1500	456	0	82	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	0.0778
MAIN ROUTE WITH WORKS	0.0773
DIVERSION	0.1275

PIA: Personal Injury Accidents

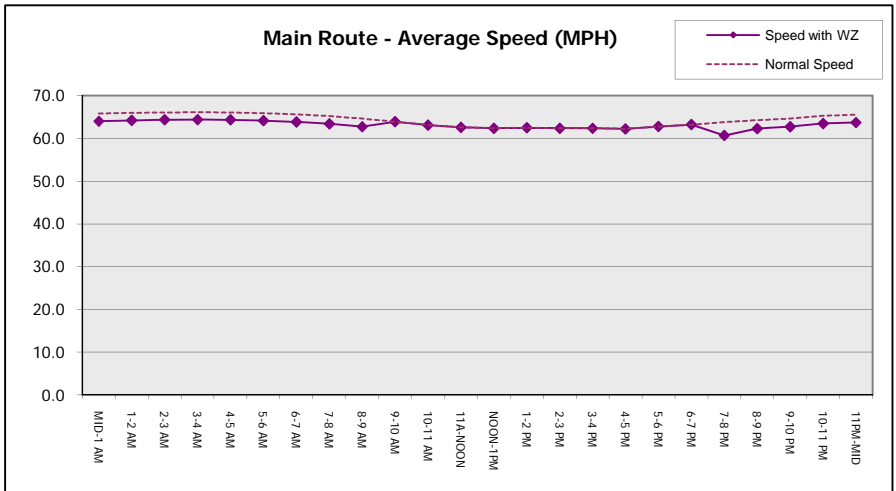
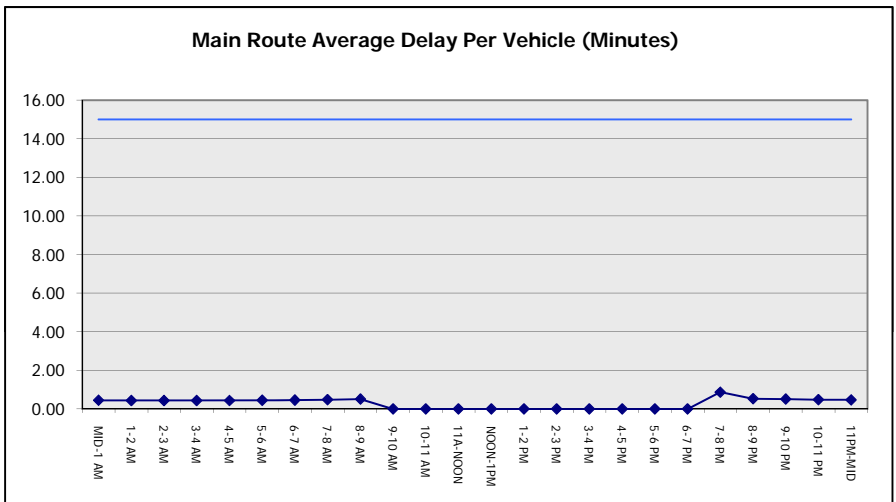
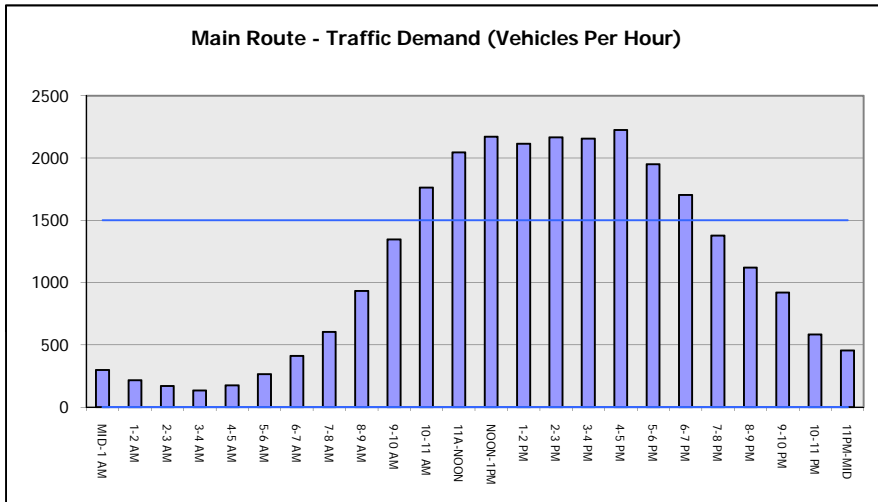
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$1,086
CONGESTED HOURS PER DAY*	0

*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
SUNDAY 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	
SUNDAY	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	344	0.0	62	0.0	1500	344	0	62	0.46	0	65.8	64.0	44.1	39.0	39.0
1-2 AM	265	0.0	47	0.0	1500	265	0	47	0.45	0	65.9	64.1	44.4	39.2	39.2
2-3 AM	215	0.0	39	0.0	1500	215	0	39	0.44	0	66.0	64.2	44.6	39.2	39.2
3-4 AM	180	0.0	32	0.0	1500	180	0	32	0.44	0	66.1	64.3	44.8	39.4	39.4
4-5 AM	183	0.0	32	0.0	1500	183	0	32	0.44	0	66.1	64.3	44.8	39.4	39.4
5-6 AM	228	0.0	41	0.0	1500	228	0	41	0.44	0	66.0	64.2	44.6	39.2	39.2
6-7 AM	379	0.0	68	0.0	1500	379	0	68	0.46	0	65.7	63.9	44.0	38.9	38.9
7-8 AM	631	0.0	113	0.0	1500	631	0	113	0.48	0	65.2	63.3	43.0	38.3	38.3
8-9 AM	1074	0.0	193	0.0	1499	1074	0	193	0.57	0	64.4	62.2	40.2	37.3	37.3
9-10 AM	1634	0.0	293	0.0	OFF	1634	0	293	0.00	0	63.3	63.3	63.3	36.1	36.1
10-11 AM	2226	0.0	399	0.0	OFF	2226	0	399	0.00	0	62.2	62.2	62.2	34.8	34.8
11A-NOON	2682	0.0	480	0.0	OFF	2682	0	480	0.00	0	59.0	59.0	59.0	33.8	33.8
NOON-1PM	3046	0.0	545	0.0	OFF	3046	0	545	0.00	0	55.3	55.3	55.3	33.0	33.0
1-2 PM	3122	0.0	559	0.0	OFF	3122	0	559	0.00	0	54.5	54.5	54.5	32.8	32.8
2-3 PM	3286	0.0	588	0.0	OFF	3286	0	588	0.00	0	52.8	52.8	52.8	32.4	32.4
3-4 PM	3320	0.0	594	0.0	OFF	3320	0	594	0.00	0	52.5	52.5	52.5	32.4	32.4
4-5 PM	3235	0.0	580	0.0	OFF	3235	0	580	0.00	0	53.3	53.3	53.3	32.5	32.5
5-6 PM	2760	0.0	494	0.0	OFF	2760	0	494	0.00	0	58.2	58.2	58.2	33.6	33.6
6-7 PM	2441	0.0	437	0.0	OFF	2441	0	437	0.00	0	61.5	61.5	61.5	34.3	34.3
7-8 PM	1864	0.0	334	0.0	1499	1864	0	334	8.45	215	62.9	42.0	30.8	35.6	35.6
8-9 PM	1379	0.0	247	0.0	1499	1379	0	247	13.32	332	63.8	35.6	30.8	36.7	36.7
9-10 PM	928	0.0	166	0.0	1499	928	0	166	2.51	61	64.6	56.1	40.2	37.7	37.7
10-11 PM	632	0.0	113	0.0	1500	632	0	113	0.48	0	65.2	63.3	43.0	38.3	38.3
11PM-MID	456	0.0	82	0.0	1500	456	0	82	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	0.1040
MAIN ROUTE WITH WORKS	0.1034
DIVERSION	0.1705

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$9,840
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
SUNDAY EASTBOUND DIRECTION

