

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

FRIDAY 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	460	0.0	83	0.0	1500	460	0	83	0.47	0	65.5	63.7	43.7	38.7	38.7
1-2 AM	376	0.0	67	0.0	1500	376	0	67	0.46	0	65.7	63.9	44.0	38.9	38.9
2-3 AM	406	0.0	73	0.0	1500	406	0	73	0.46	0	65.6	63.8	43.8	38.8	38.8
3-4 AM	371	0.0	67	0.0	1500	371	0	67	0.46	0	65.7	63.9	44.0	38.9	38.9
4-5 AM	511	0.0	91	0.0	1500	511	0	91	0.47	0	65.5	63.6	43.5	38.6	38.6
5-6 AM	952	0.0	171	0.0	OFF	952	0	171	0.00	0	64.6	64.6	64.6	37.6	37.6
6-7 AM	1565	0.0	280	0.0	OFF	1565	0	280	0.00	0	63.5	63.5	63.5	36.3	36.3
7-8 AM	1746	0.0	313	0.0	OFF	1746	0	313	0.00	0	63.2	63.2	63.2	35.8	35.8
8-9 AM	1660	0.0	297	0.0	OFF	1660	0	297	0.00	0	63.3	63.3	63.3	36.1	36.1
9-10 AM	1784	0.0	319	0.0	OFF	1784	0	319	0.00	0	63.0	63.0	63.0	35.8	35.8
10-11 AM	2046	0.0	366	0.0	OFF	2046	0	366	0.00	0	62.6	62.6	62.6	35.2	35.2
11A-NOON	2243	0.0	402	0.0	OFF	2243	0	402	0.00	0	62.2	62.2	62.2	34.8	34.8
NOON-1PM	2297	0.0	411	0.0	OFF	2297	0	411	0.00	0	62.1	62.1	62.1	34.7	34.7
1-2 PM	2411	0.0	432	0.0	OFF	2411	0	432	0.00	0	61.8	61.8	61.8	34.4	34.4
2-3 PM	2557	0.0	458	0.0	OFF	2557	0	458	0.00	0	60.3	60.3	60.3	34.0	34.0
3-4 PM	2795	0.0	500	0.0	OFF	2795	0	500	0.00	0	57.9	57.9	57.9	33.5	33.5
4-5 PM	2934	0.0	525	0.0	OFF	2934	0	525	0.00	0	56.4	56.4	56.4	33.2	33.2
5-6 PM	2916	0.0	522	0.0	OFF	2916	0	522	0.00	0	56.6	56.6	56.6	33.3	33.3
6-7 PM	2530	0.0	453	0.0	OFF	2530	0	453	0.00	0	60.6	60.6	60.6	34.1	34.1
7-8 PM	2273	0.0	407	0.0	1499	2209	63	470	13.99	396	62.2	34.3	30.8	34.7	33.9
8-9 PM	1986	0.0	356	0.0	1499	1504	482	838	28.26	741	62.7	23.7	30.8	35.3	29.3
9-10 PM	1472	0.0	264	0.0	1499	1254	219	482	22.47	583	63.7	27.3	30.8	36.5	33.8
10-11 PM	1029	0.0	184	0.0	1499	1029	0	184	9.40	258	64.5	41.2	35.5	37.4	37.4
11PM-MID	615	0.0	110	0.0	1500	615	0	110	0.48	0	65.3	63.4	43.1	38.4	38.4

"OFF" INDICATES NO ROAD WORK (ALL LANES OPEN TO TRAFFIC)

----- 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	0.1138
MAIN ROUTE WITH WORKS	0.1110
DIVERSION	0.2065

PIA: Personal Injury Accidents

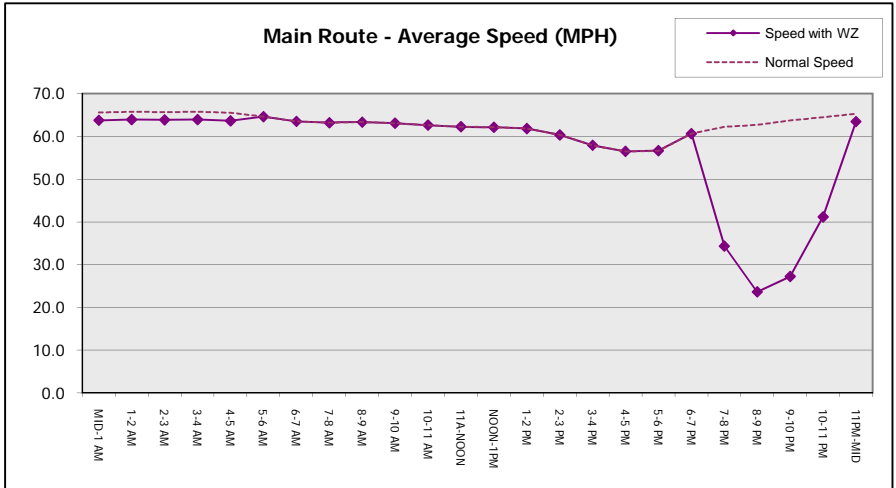
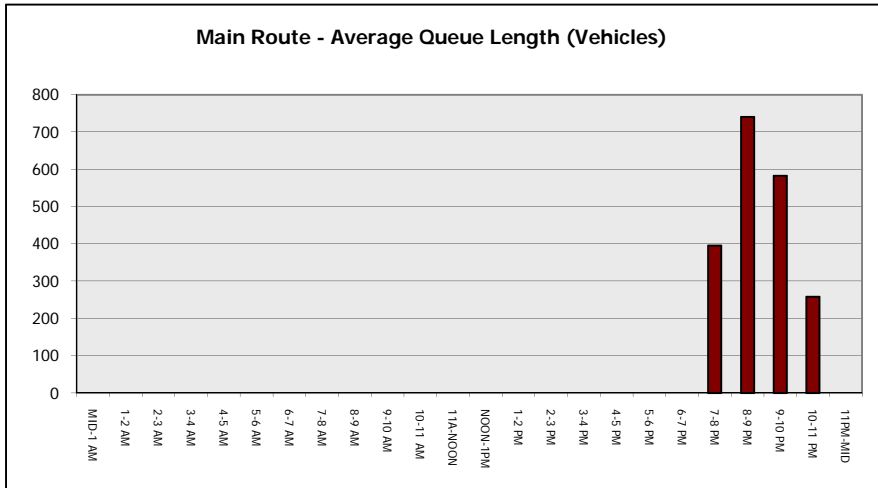
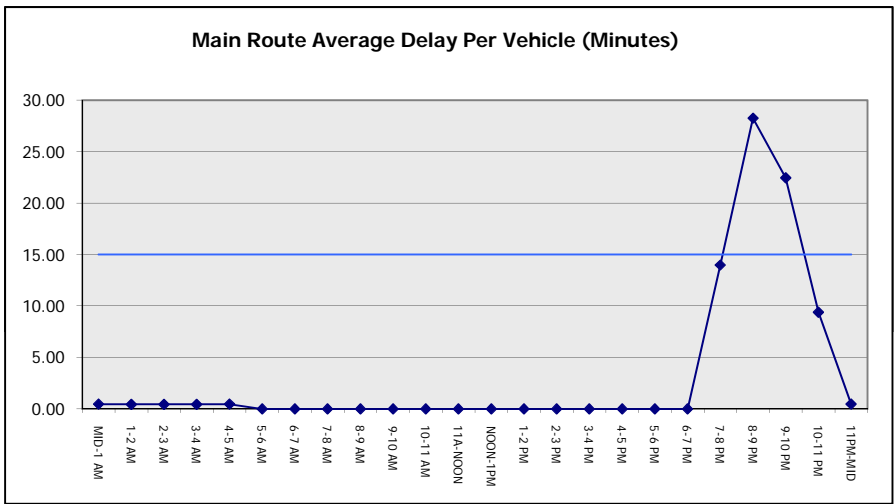
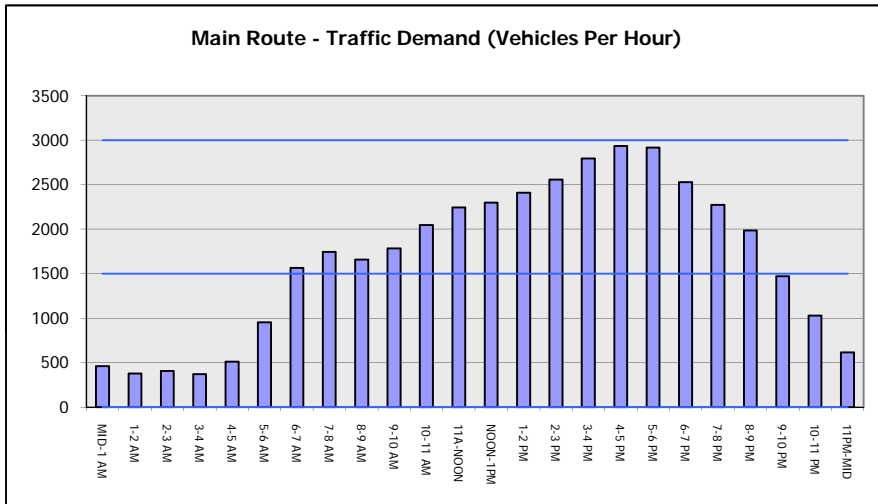
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$33,127
CONGESTED HOURS PER DAY*	2

*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
FRIDAY WESTBOUND DIRECTION



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	
FRIDAY	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	404	0.0	72	0.0	1500	404	0	72	0.46	0	65.6	63.8	43.9	38.9	38.9
1-2 AM	347	0.0	62	0.0	1500	347	0	62	0.46	0	65.8	64.0	44.1	39.0	39.0
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	411	0.0	73	0.0	1500	411	0	73	0.46	0	65.6	63.8	43.8	38.8	38.8
4-5 AM	475	0.0	85	0.0	1500	475	0	85	0.47	0	65.5	63.7	43.6	38.7	38.7
5-6 AM	587	0.0	106	0.0	OFF	587	0	106	0.00	0	65.3	65.3	65.3	38.4	38.4
6-7 AM	927	0.0	166	0.0	OFF	927	0	166	0.00	0	64.6	64.6	64.6	37.7	37.7
7-8 AM	1282	0.0	229	0.0	OFF	1282	0	229	0.00	0	64.0	64.0	64.0	36.9	36.9
8-9 AM	1447	0.0	259	0.0	OFF	1447	0	259	0.00	0	63.7	63.7	63.7	36.5	36.5
9-10 AM	1595	0.0	286	0.0	OFF	1595	0	286	0.00	0	63.4	63.4	63.4	36.2	36.2
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	1888	0.0	338	0.0	OFF	1888	0	338	0.00	0	62.8	62.8	62.8	35.5	35.5
NOON-1PM	2085	0.0	374	0.0	OFF	2085	0	374	0.00	0	62.5	62.5	62.5	35.1	35.1
1-2 PM	2256	0.0	404	0.0	OFF	2256	0	404	0.00	0	62.2	62.2	62.2	34.7	34.7
2-3 PM	2390	0.0	428	0.0	OFF	2390	0	428	0.00	0	61.9	61.9	61.9	34.4	34.4
3-4 PM	2581	0.0	462	0.0	OFF	2581	0	462	0.00	0	60.1	60.1	60.1	34.0	34.0
4-5 PM	2709	0.0	485	0.0	OFF	2709	0	485	0.00	0	58.7	58.7	58.7	33.7	33.7
5-6 PM	2580	0.0	462	0.0	OFF	2580	0	462	0.00	0	60.1	60.1	60.1	34.0	34.0
6-7 PM	2062	0.0	369	0.0	OFF	2062	0	369	0.00	0	62.5	62.5	62.5	35.1	35.1
7-8 PM	1634	0.0	293	0.0	1499	1634	0	293	4.35	92	63.3	50.4	30.8	36.1	36.1
8-9 PM	1253	0.0	224	0.0	1499	1253	0	224	2.40	47	64.0	56.0	35.3	36.9	36.9
9-10 PM	1110	0.0	199	0.0	1500	1110	0	199	0.53	0	64.3	62.3	41.3	37.3	37.3
10-11 PM	893	0.0	160	0.0	1500	893	0	160	0.51	0	64.7	62.8	42.0	37.8	37.8
11PM-MID	619	0.0	111	0.0	1500	619	0	111	0.48	0	65.2	63.3	43.0	38.4	38.4

"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	0.0957
MAIN ROUTE WITH WORKS	0.0952
DIVERSION	0.1569

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$3,105
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
FRIDAY EASTBOUND DIRECTION

