

**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
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	288	0.0	51	0.0	1500	288	0	51	0.45	0	65.8	64.1	44.3	39.1	39.1
1-2 AM	197	0.0	36	0.0	1500	197	0	36	0.44	0	66.0	64.3	44.7	39.3	39.3
2-3 AM	177	0.0	31	0.0	1500	177	0	31	0.44	0	66.1	64.3	44.8	39.4	39.4
3-4 AM	163	0.0	29	0.0	1500	163	0	29	0.44	0	66.1	64.3	44.8	39.4	39.4
4-5 AM	172	0.0	30	0.0	1500	172	0	30	0.44	0	66.1	64.3	44.8	39.4	39.4
5-6 AM	296	0.0	53	0.0	1500	296	0	53	0.45	0	65.8	64.1	44.3	39.1	39.1
6-7 AM	445	0.0	80	0.0	1500	445	0	80	0.47	0	65.6	63.7	43.7	38.8	38.8
7-8 AM	692	0.0	123	0.0	1500	692	0	123	0.49	0	65.1	63.2	42.8	38.2	38.2
8-9 AM	1001	0.0	179	0.0	1500	1001	0	179	0.52	0	64.5	62.6	41.7	37.5	37.5
9-10 AM	1342	0.0	241	0.0	OFF	1342	0	241	0.00	0	63.9	63.9	63.9	36.8	36.8
10-11 AM	1707	0.0	306	0.0	OFF	1707	0	306	0.00	0	63.2	63.2	63.2	36.0	36.0
11A-NOON	1809	0.0	324	0.0	OFF	1809	0	324	0.00	0	63.0	63.0	63.0	35.7	35.7
NOON-1PM	1836	0.0	329	0.0	OFF	1836	0	329	0.00	0	63.0	63.0	63.0	35.6	35.6
1-2 PM	1811	0.0	324	0.0	OFF	1811	0	324	0.00	0	63.0	63.0	63.0	35.7	35.7
2-3 PM	1810	0.0	324	0.0	OFF	1810	0	324	0.00	0	63.0	63.0	63.0	35.7	35.7
3-4 PM	1788	0.0	320	0.0	OFF	1788	0	320	0.00	0	63.0	63.0	63.0	35.8	35.8
4-5 PM	1804	0.0	323	0.0	OFF	1804	0	323	0.00	0	63.0	63.0	63.0	35.7	35.7
5-6 PM	1667	0.0	298	0.0	OFF	1667	0	298	0.00	0	63.3	63.3	63.3	36.0	36.0
6-7 PM	1487	0.0	267	0.0	OFF	1487	0	267	0.00	0	63.6	63.6	63.6	36.5	36.5
7-8 PM	1316	0.0	235	0.0	1500	1316	0	235	0.79	0	64.0	61.0	35.1	36.8	36.8
8-9 PM	1165	0.0	208	0.0	1500	1165	0	208	0.59	0	64.2	62.0	39.6	37.1	37.1
9-10 PM	856	0.0	153	0.0	1500	856	0	153	0.51	0	64.8	62.8	42.2	37.8	37.8
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	452	0.0	81	0.0	1500	452	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 (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	0.0710
MAIN ROUTE WITH WORKS	0.0705
DIVERSION	0.1164

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$1,104
CONGESTED HOURS PER DAY*	0

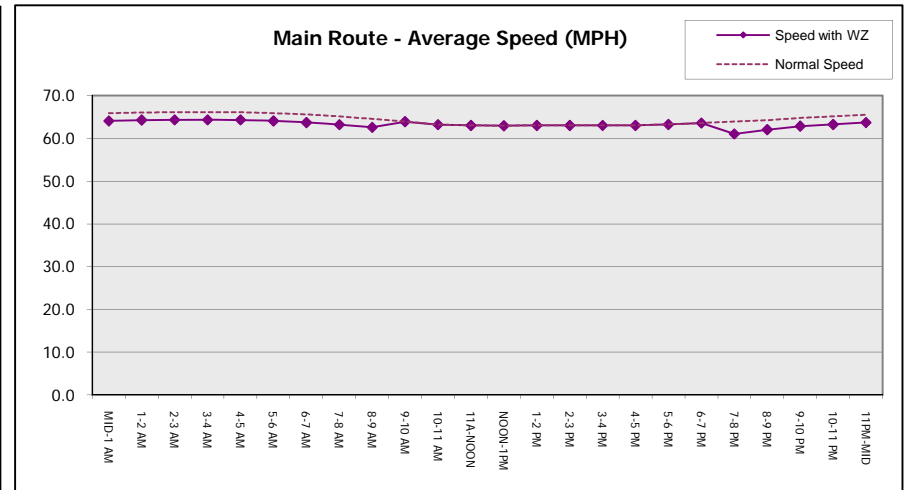
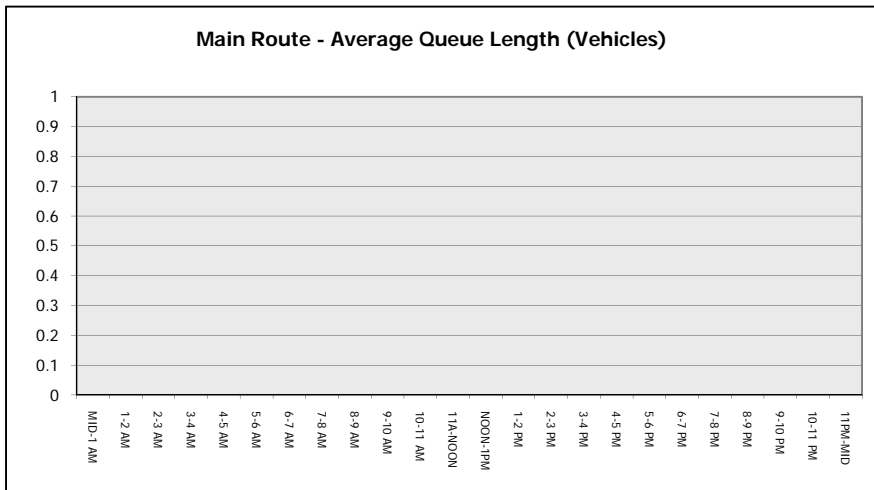
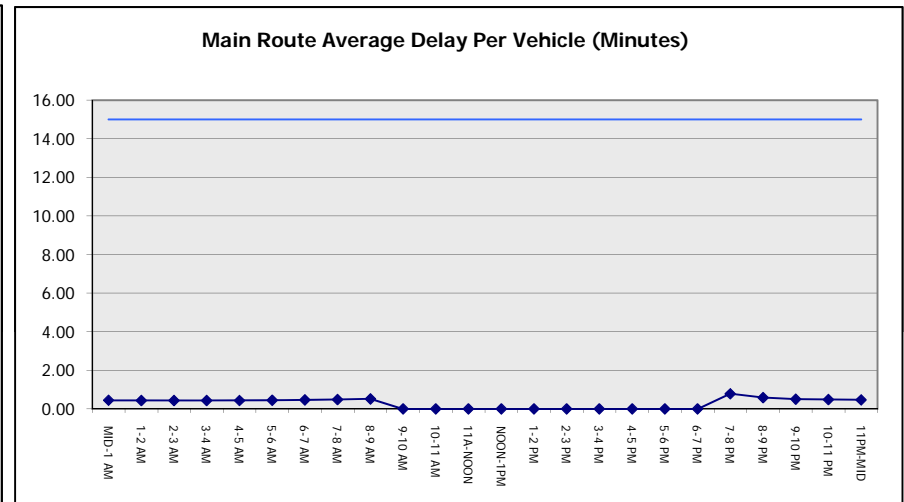
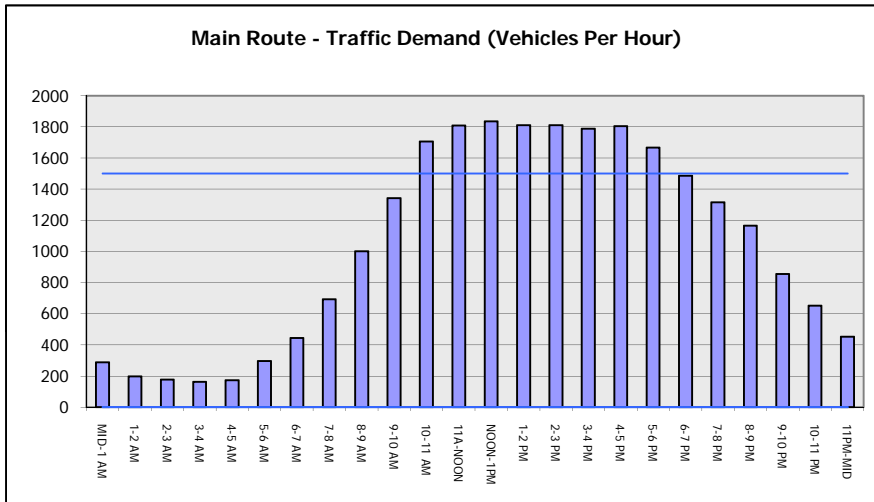
*Delays Exceeding 15 Minutes

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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	MAY
	Analyzed for 2009 Construction Season

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	318	0.0	57	0.0	1500	318	0	57	0.45	0	65.8	64.0	44.2	39.1	39.1
1-2 AM	215	0.0	39	0.0	1500	215	0	39	0.44	0	66.0	64.2	44.6	39.2	39.2
2-3 AM	176	0.0	31	0.0	1500	176	0	31	0.44	0	66.1	64.3	44.8	39.4	39.4
3-4 AM	150	0.0	27	0.0	1500	150	0	27	0.44	0	66.1	64.4	44.9	39.4	39.4
4-5 AM	157	0.0	28	0.0	1500	157	0	28	0.44	0	66.1	64.3	44.8	39.4	39.4
5-6 AM	215	0.0	39	0.0	1500	215	0	39	0.44	0	66.0	64.2	44.6	39.2	39.2
6-7 AM	377	0.0	67	0.0	1500	377	0	67	0.46	0	65.7	63.9	44.0	38.9	38.9
7-8 AM	636	0.0	114	0.0	1500	636	0	114	0.48	0	65.2	63.3	43.0	38.3	38.3
8-9 AM	1018	0.0	182	0.0	1499	1018	0	182	0.52	0	64.5	62.5	41.6	37.5	37.5
9-10 AM	1441	0.0	258	0.0	OFF	1441	0	258	0.00	0	63.7	63.7	63.7	36.5	36.5
10-11 AM	1729	0.0	310	0.0	OFF	1729	0	310	0.00	0	63.2	63.2	63.2	35.9	35.9
11A-NOON	1955	0.0	351	0.0	OFF	1955	0	351	0.00	0	62.7	62.7	62.7	35.4	35.4
NOON-1PM	1982	0.0	355	0.0	OFF	1982	0	355	0.00	0	62.7	62.7	62.7	35.3	35.3
1-2 PM	2029	0.0	363	0.0	OFF	2029	0	363	0.00	0	62.6	62.6	62.6	35.2	35.2
2-3 PM	2146	0.0	384	0.0	OFF	2146	0	384	0.00	0	62.4	62.4	62.4	35.0	35.0
3-4 PM	2124	0.0	381	0.0	OFF	2124	0	381	0.00	0	62.4	62.4	62.4	35.0	35.0
4-5 PM	2062	0.0	369	0.0	OFF	2062	0	369	0.00	0	62.5	62.5	62.5	35.1	35.1
5-6 PM	2031	0.0	364	0.0	OFF	2031	0	364	0.00	0	62.6	62.6	62.6	35.2	35.2
6-7 PM	1895	0.0	339	0.0	OFF	1895	0	339	0.00	0	62.8	62.8	62.8	35.5	35.5
7-8 PM	1759	0.0	315	0.0	1499	1759	0	315	6.11	145	63.1	46.5	30.8	35.8	35.8
8-9 PM	1368	0.0	245	0.0	1499	1368	0	245	8.87	212	63.8	41.8	30.9	36.7	36.7
9-10 PM	1116	0.0	200	0.0	1500	1116	0	200	1.51	26	64.3	59.0	38.8	37.3	37.3
10-11 PM	744	0.0	133	0.0	1500	744	0	133	0.49	0	65.0	63.1	42.6	38.1	38.1
11PM-MID	506	0.0	91	0.0	1500	506	0	91	0.47	0	65.5	63.6	43.5	38.6	38.6

"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	0.0802
MAIN ROUTE WITH WORKS	0.0796
DIVERSION	0.1315

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$6,797
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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 DIVERSION ROUTE: STH 73 - USH 12**

MAY
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 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT

SUNDAY EASTBOUND DIRECTION

