

IH 39/90: BELTLINE TO STH 73 (DANE COUNTY) NIGHTTIME CLOSURE DIVERSION ROUTE: STH 73 - USH 12	AUGUST
	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	466	0.0	84	0.0	1500	466	0	84	0.47	0	65.5	63.7	43.7	38.7	38.7
1-2 AM	361	0.0	65	0.0	1500	361	0	65	0.46	0	65.7	63.9	44.0	38.9	38.9
2-3 AM	376	0.0	67	0.0	1500	376	0	67	0.46	0	65.7	63.9	44.0	38.9	38.9
3-4 AM	366	0.0	66	0.0	1500	366	0	66	0.46	0	65.7	63.9	44.0	38.9	38.9
4-5 AM	576	0.0	104	0.0	1500	576	0	104	0.48	0	65.3	63.5	43.2	38.4	38.4
5-6 AM	1070	0.0	191	0.0	OFF	1070	0	191	0.00	0	64.4	64.4	64.4	37.4	37.4
6-7 AM	1579	0.0	283	0.0	OFF	1579	0	283	0.00	0	63.5	63.5	63.5	36.2	36.2
7-8 AM	1731	0.0	310	0.0	OFF	1731	0	310	0.00	0	63.2	63.2	63.2	35.9	35.9
8-9 AM	1589	0.0	285	0.0	OFF	1589	0	285	0.00	0	63.4	63.4	63.4	36.2	36.2
9-10 AM	1668	0.0	299	0.0	OFF	1668	0	299	0.00	0	63.3	63.3	63.3	36.0	36.0
10-11 AM	1895	0.0	339	0.0	OFF	1895	0	339	0.00	0	62.8	62.8	62.8	35.5	35.5
11A-NOON	1961	0.0	352	0.0	OFF	1961	0	352	0.00	0	62.7	62.7	62.7	35.4	35.4
NOON-1PM	1998	0.0	358	0.0	OFF	1998	0	358	0.00	0	62.7	62.7	62.7	35.3	35.3
1-2 PM	2001	0.0	359	0.0	OFF	2001	0	359	0.00	0	62.7	62.7	62.7	35.3	35.3
2-3 PM	2133	0.0	382	0.0	OFF	2133	0	382	0.00	0	62.4	62.4	62.4	35.0	35.0
3-4 PM	2129	0.0	381	0.0	OFF	2129	0	381	0.00	0	62.4	62.4	62.4	35.0	35.0
4-5 PM	2063	0.0	369	0.0	OFF	2063	0	369	0.00	0	62.5	62.5	62.5	35.1	35.1
5-6 PM	1797	0.0	322	0.0	OFF	1797	0	322	0.00	0	63.0	63.0	63.0	35.8	35.8
6-7 PM	1440	0.0	257	0.0	OFF	1440	0	257	0.00	0	63.7	63.7	63.7	36.6	36.6
7-8 PM	1247	0.0	224	0.0	1500	1247	0	224	0.70	0	64.1	61.5	37.0	36.9	36.9
8-9 PM	1102	0.0	198	0.0	1500	1102	0	198	0.53	0	64.3	62.3	41.3	37.3	37.3
9-10 PM	941	0.0	168	0.0	1500	941	0	168	0.51	0	64.6	62.7	41.9	37.6	37.6
10-11 PM	772	0.0	138	0.0	1500	772	0	138	0.50	0	65.0	63.0	42.5	38.0	38.0
11PM-MID	546	0.0	97	0.0	1500	546	0	97	0.48	0	65.4	63.5	43.3	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	0.0906
MAIN ROUTE WITH WORKS	0.0902
DIVERSION	0.1486

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$715
CONGESTED HOURS PER DAY*	0

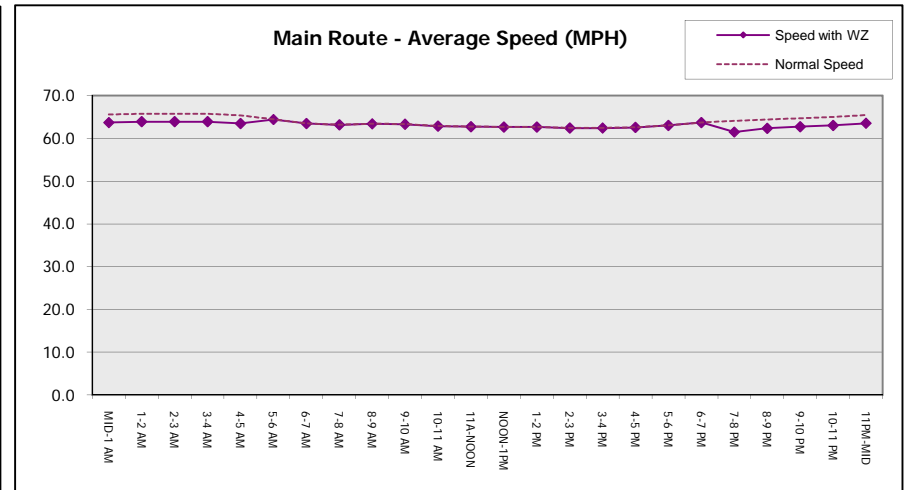
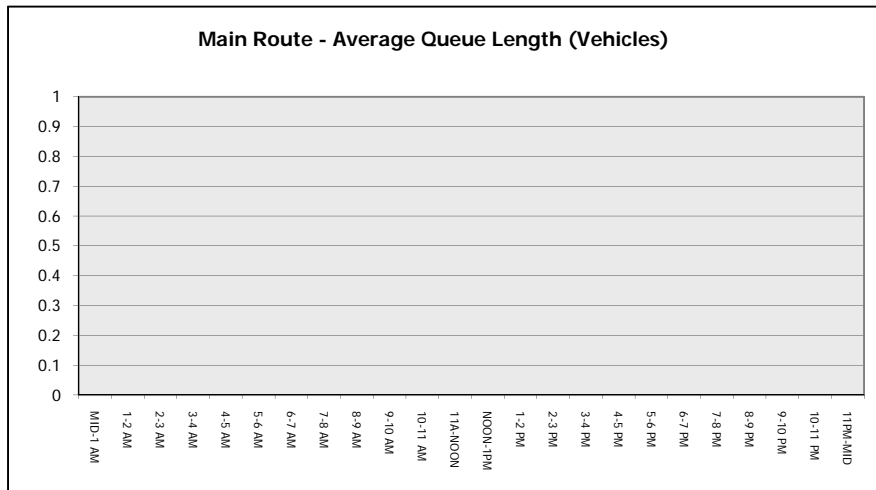
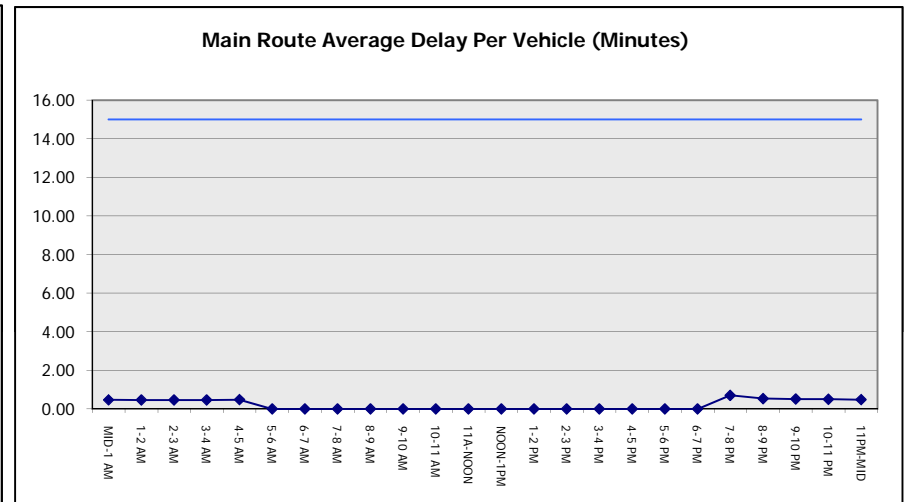
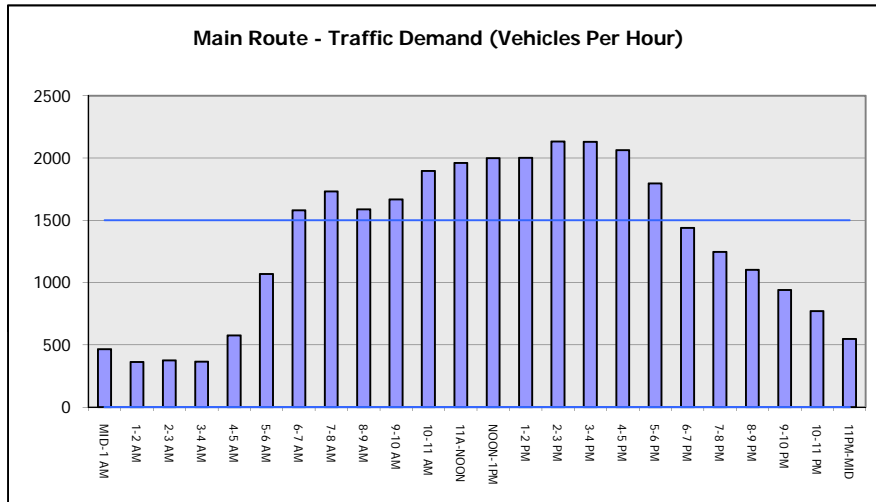
*Delays Exceeding 15 Minutes

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

AUGUST
 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) NIGHTTIME CLOSURE DIVERSION ROUTE: STH 73 - USH 12	AUGUST
	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	458	0.0	83	0.0	1500	458	0	83	0.47	0	65.5	63.7	43.7	38.7	38.7
1-2 AM	373	0.0	67	0.0	1500	373	0	67	0.46	0	65.7	63.9	44.0	38.9	38.9
2-3 AM	392	0.0	70	0.0	1500	392	0	70	0.46	0	65.6	63.8	43.9	38.9	38.9
3-4 AM	452	0.0	81	0.0	1500	452	0	81	0.47	0	65.5	63.7	43.7	38.8	38.8
4-5 AM	559	0.0	100	0.0	1500	559	0	100	0.48	0	65.3	63.5	43.3	38.5	38.5
5-6 AM	735	0.0	132	0.0	OFF	735	0	132	0.00	0	65.0	65.0	65.0	38.1	38.1
6-7 AM	1075	0.0	193	0.0	OFF	1075	0	193	0.00	0	64.4	64.4	64.4	37.3	37.3
7-8 AM	1449	0.0	260	0.0	OFF	1449	0	260	0.00	0	63.7	63.7	63.7	36.5	36.5
8-9 AM	1543	0.0	276	0.0	OFF	1543	0	276	0.00	0	63.5	63.5	63.5	36.3	36.3
9-10 AM	1701	0.0	305	0.0	OFF	1701	0	305	0.00	0	63.2	63.2	63.2	36.0	36.0
10-11 AM	1878	0.0	336	0.0	OFF	1878	0	336	0.00	0	62.9	62.9	62.9	35.6	35.6
11A-NOON	2047	0.0	366	0.0	OFF	2047	0	366	0.00	0	62.6	62.6	62.6	35.2	35.2
NOON-1PM	2101	0.0	377	0.0	OFF	2101	0	377	0.00	0	62.5	62.5	62.5	35.1	35.1
1-2 PM	2188	0.0	392	0.0	OFF	2188	0	392	0.00	0	62.3	62.3	62.3	34.9	34.9
2-3 PM	2362	0.0	423	0.0	OFF	2362	0	423	0.00	0	62.0	62.0	62.0	34.5	34.5
3-4 PM	2541	0.0	455	0.0	OFF	2541	0	455	0.00	0	60.5	60.5	60.5	34.1	34.1
4-5 PM	2582	0.0	463	0.0	OFF	2582	0	463	0.00	0	60.1	60.1	60.1	34.0	34.0
5-6 PM	2387	0.0	427	0.0	OFF	2387	0	427	0.00	0	61.9	61.9	61.9	34.5	34.5
6-7 PM	1843	0.0	330	0.0	OFF	1843	0	330	0.00	0	63.0	63.0	63.0	35.6	35.6
7-8 PM	1492	0.0	267	0.0	1499	1492	0	267	1.48	13	63.6	58.5	31.4	36.5	36.5
8-9 PM	1301	0.0	233	0.0	1500	1301	0	233	0.77	0	64.0	61.2	35.5	36.8	36.8
9-10 PM	1080	0.0	194	0.0	1500	1080	0	194	0.53	0	64.4	62.4	41.4	37.3	37.3
10-11 PM	827	0.0	148	0.0	1500	827	0	148	0.50	0	64.8	62.9	42.3	37.9	37.9
11PM-MID	557	0.0	99	0.0	1500	557	0	99	0.48	0	65.3	63.5	43.3	38.5	38.5

"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	0.0966
MAIN ROUTE WITH WORKS	0.0961
DIVERSION	0.1584

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$1,098
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**

AUGUST
 Analyzed for 2009
 Construction Season

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

