

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

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	518	0.0	93	0.0	1500	518	0	93	0.47	0	65.4	63.6	43.4	38.6	38.6
1-2 AM	394	0.0	71	0.0	1500	394	0	71	0.46	0	65.6	63.8	43.9	38.9	38.9
2-3 AM	407	0.0	73	0.0	1500	407	0	73	0.46	0	65.6	63.8	43.8	38.8	38.8
3-4 AM	397	0.0	71	0.0	1500	397	0	71	0.46	0	65.6	63.8	43.9	38.9	38.9
4-5 AM	540	0.0	96	0.0	1500	540	0	96	0.47	0	65.4	63.5	43.3	38.6	38.6
5-6 AM	1057	0.0	189	0.0	OFF	1057	0	189	0.00	0	64.4	64.4	64.4	37.4	37.4
6-7 AM	1639	0.0	293	0.0	OFF	1639	0	293	0.00	0	63.3	63.3	63.3	36.1	36.1
7-8 AM	1739	0.0	312	0.0	OFF	1739	0	312	0.00	0	63.2	63.2	63.2	35.9	35.9
8-9 AM	1715	0.0	308	0.0	OFF	1715	0	308	0.00	0	63.2	63.2	63.2	35.9	35.9
9-10 AM	1851	0.0	332	0.0	OFF	1851	0	332	0.00	0	62.9	62.9	62.9	35.6	35.6
10-11 AM	1923	0.0	344	0.0	OFF	1923	0	344	0.00	0	62.8	62.8	62.8	35.5	35.5
11A-NOON	1958	0.0	351	0.0	OFF	1958	0	351	0.00	0	62.7	62.7	62.7	35.4	35.4
NOON-1PM	2043	0.0	366	0.0	OFF	2043	0	366	0.00	0	62.6	62.6	62.6	35.2	35.2
1-2 PM	2095	0.0	376	0.0	OFF	2095	0	376	0.00	0	62.5	62.5	62.5	35.1	35.1
2-3 PM	2181	0.0	390	0.0	OFF	2181	0	390	0.00	0	62.3	62.3	62.3	34.9	34.9
3-4 PM	2266	0.0	406	0.0	OFF	2266	0	406	0.00	0	62.2	62.2	62.2	34.7	34.7
4-5 PM	2353	0.0	422	0.0	OFF	2353	0	422	0.00	0	62.0	62.0	62.0	34.5	34.5
5-6 PM	2229	0.0	400	0.0	OFF	2229	0	400	0.00	0	62.2	62.2	62.2	34.8	34.8
6-7 PM	2267	0.0	406	0.0	OFF	2267	0	406	0.00	0	62.2	62.2	62.2	34.7	34.7
7-8 PM	2094	0.0	375	0.0	1499	2094	0	375	11.18	307	62.5	37.9	30.8	35.1	35.1
8-9 PM	1919	0.0	343	0.0	1499	1578	341	685	25.52	666	62.8	25.2	30.8	35.5	31.2
9-10 PM	1476	0.0	265	0.0	1499	1298	178	443	21.92	567	63.7	27.7	30.8	36.5	34.2
10-11 PM	1048	0.0	188	0.0	1499	1048	0	188	9.91	268	64.5	40.4	35.0	37.4	37.4
11PM-MID	694	0.0	125	0.0	1500	694	0	125	0.50	0	65.1	63.2	42.8	38.2	38.2

"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	0.1048
MAIN ROUTE WITH WORKS	0.1028
DIVERSION	0.1856

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$28,840
CONGESTED HOURS PER DAY*	2

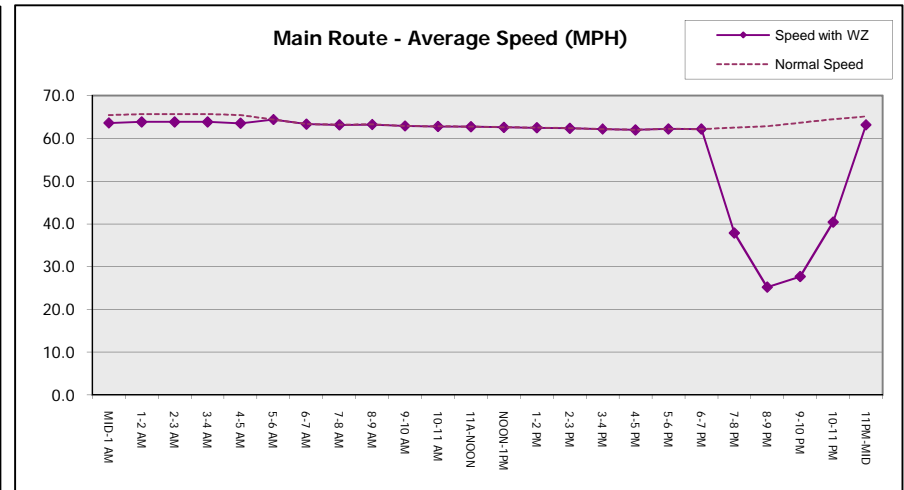
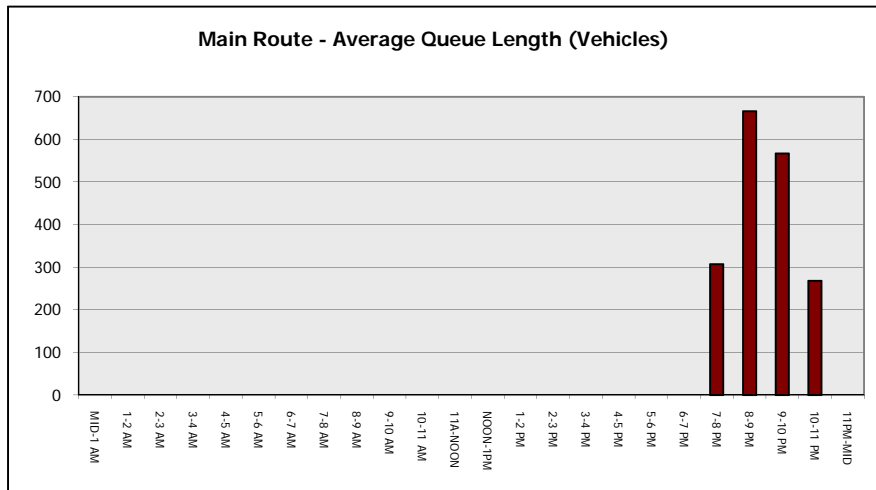
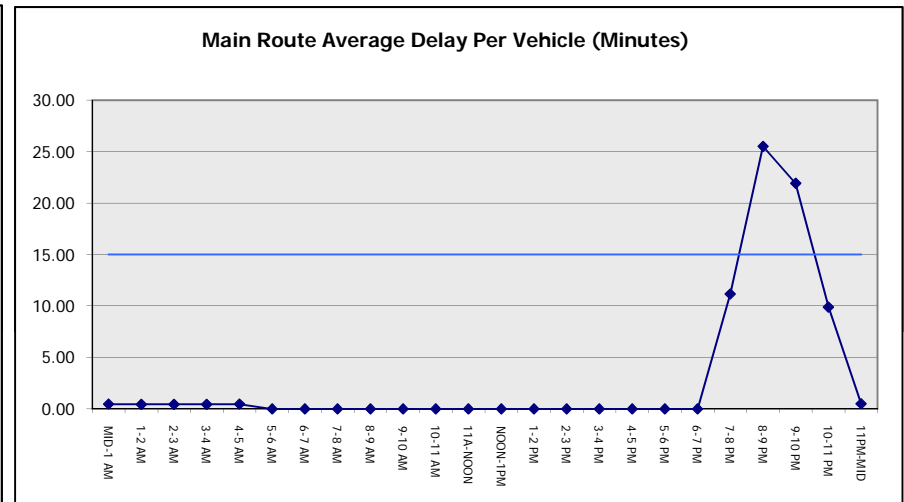
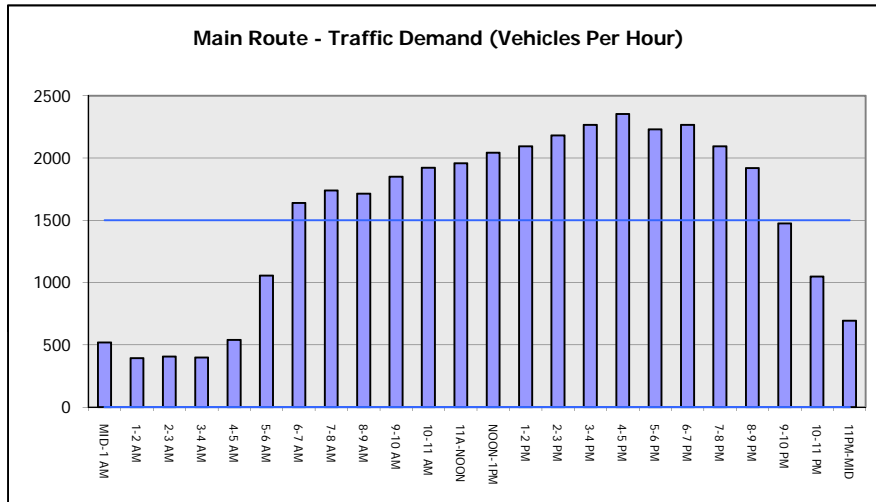
*Delays Exceeding 15 Minutes

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

MAY
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	MAY
	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	443	0.0	80	0.0	1500	443	0	80	0.47	0	65.6	63.8	43.7	38.8	38.8
1-2 AM	385	0.0	69	0.0	1500	385	0	69	0.46	0	65.6	63.9	44.0	38.9	38.9
2-3 AM	379	0.0	68	0.0	1500	379	0	68	0.46	0	65.7	63.9	44.0	38.9	38.9
3-4 AM	421	0.0	75	0.0	1500	421	0	75	0.46	0	65.6	63.8	43.8	38.8	38.8
4-5 AM	460	0.0	83	0.0	1500	460	0	83	0.47	0	65.5	63.7	43.7	38.7	38.7
5-6 AM	582	0.0	105	0.0	OFF	582	0	105	0.00	0	65.3	65.3	65.3	38.4	38.4
6-7 AM	906	0.0	162	0.0	OFF	906	0	162	0.00	0	64.7	64.7	64.7	37.8	37.8
7-8 AM	1225	0.0	220	0.0	OFF	1225	0	220	0.00	0	64.1	64.1	64.1	37.0	37.0
8-9 AM	1341	0.0	241	0.0	OFF	1341	0	241	0.00	0	63.9	63.9	63.9	36.8	36.8
9-10 AM	1462	0.0	262	0.0	OFF	1462	0	262	0.00	0	63.7	63.7	63.7	36.5	36.5
10-11 AM	1510	0.0	270	0.0	OFF	1510	0	270	0.00	0	63.6	63.6	63.6	36.4	36.4
11A-NOON	1665	0.0	298	0.0	OFF	1665	0	298	0.00	0	63.3	63.3	63.3	36.0	36.0
NOON-1PM	1698	0.0	305	0.0	OFF	1698	0	305	0.00	0	63.2	63.2	63.2	36.0	36.0
1-2 PM	1869	0.0	335	0.0	OFF	1869	0	335	0.00	0	62.9	62.9	62.9	35.6	35.6
2-3 PM	1940	0.0	347	0.0	OFF	1940	0	347	0.00	0	62.8	62.8	62.8	35.5	35.5
3-4 PM	1937	0.0	347	0.0	OFF	1937	0	347	0.00	0	62.8	62.8	62.8	35.5	35.5
4-5 PM	2091	0.0	375	0.0	OFF	2091	0	375	0.00	0	62.5	62.5	62.5	35.1	35.1
5-6 PM	1975	0.0	354	0.0	OFF	1975	0	354	0.00	0	62.7	62.7	62.7	35.3	35.3
6-7 PM	1815	0.0	325	0.0	OFF	1815	0	325	0.00	0	63.0	63.0	63.0	35.7	35.7
7-8 PM	1499	0.0	269	0.0	1499	1499	0	269	1.63	17	63.6	58.0	31.2	36.4	36.4
8-9 PM	1263	0.0	226	0.0	1500	1263	0	226	0.72	0	64.0	61.4	36.5	36.9	36.9
9-10 PM	1054	0.0	188	0.0	1500	1054	0	188	0.52	0	64.4	62.5	41.5	37.4	37.4
10-11 PM	880	0.0	158	0.0	1500	880	0	158	0.51	0	64.8	62.8	42.1	37.8	37.8
11PM-MID	667	0.0	119	0.0	1500	667	0	119	0.49	0	65.1	63.3	42.8	38.3	38.3

"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	0.0839
MAIN ROUTE WITH WORKS	0.0835
DIVERSION	0.1377

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$1,397
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**

MAY
Analyzed for 2009
Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY EASTBOUND DIRECTION

