

IH 39/90: BELTLINE TO STH 73 (DANE COUNTY) OFF-PEAK DAY 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	OFF	518	0	93	0.00	0	65.4	65.4	65.4	38.6	38.6
1-2 AM	394	0.0	71	0.0	OFF	394	0	71	0.00	0	65.6	65.6	65.6	38.9	38.9
2-3 AM	407	0.0	73	0.0	OFF	407	0	73	0.00	0	65.6	65.6	65.6	38.8	38.8
3-4 AM	397	0.0	71	0.0	OFF	397	0	71	0.00	0	65.6	65.6	65.6	38.9	38.9
4-5 AM	540	0.0	96	0.0	OFF	540	0	96	0.00	0	65.4	65.4	65.4	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	1499	1851	0	332	6.73	169	62.9	45.1	30.8	35.6	35.6
10-11 AM	1923	0.0	344	0.0	1500	1812	111	456	20.38	534	62.8	28.6	30.8	35.5	34.1
11A-NOON	1958	0.0	351	0.0	1499	1559	398	749	26.62	696	62.7	24.5	30.8	35.4	30.4
NOON-1PM	2043	0.0	366	0.0	1500	1553	489	856	28.57	750	62.6	23.5	30.8	35.2	29.1
1-2 PM	2095	0.0	376	0.0	1499	1537	558	934	30.13	792	62.5	22.7	30.8	35.1	28.1
2-3 PM	2181	0.0	390	0.0	1499	1556	624	1015	31.83	840	62.3	21.9	30.8	34.9	27.1
3-4 PM	2266	0.0	406	0.0	1499	1563	703	1109	34.01	899	62.2	20.9	30.8	34.7	26.0
4-5 PM	2353	0.0	422	0.0	OFF	2353	0	422	6.96	263	62.0	44.2	44.2	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	OFF	2094	0	375	0.00	0	62.5	62.5	62.5	35.1	35.1
8-9 PM	1919	0.0	343	0.0	OFF	1919	0	343	0.00	0	62.8	62.8	62.8	35.5	35.5
9-10 PM	1476	0.0	265	0.0	OFF	1476	0	265	0.00	0	63.7	63.7	63.7	36.5	36.5
10-11 PM	1048	0.0	188	0.0	OFF	1048	0	188	0.00	0	64.5	64.5	64.5	37.4	37.4
11PM-MID	694	0.0	125	0.0	OFF	694	0	125	0.00	0	65.1	65.1	65.1	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	0.0959
DIVERSION	0.2472

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$83,227
CONGESTED HOURS PER DAY*	6

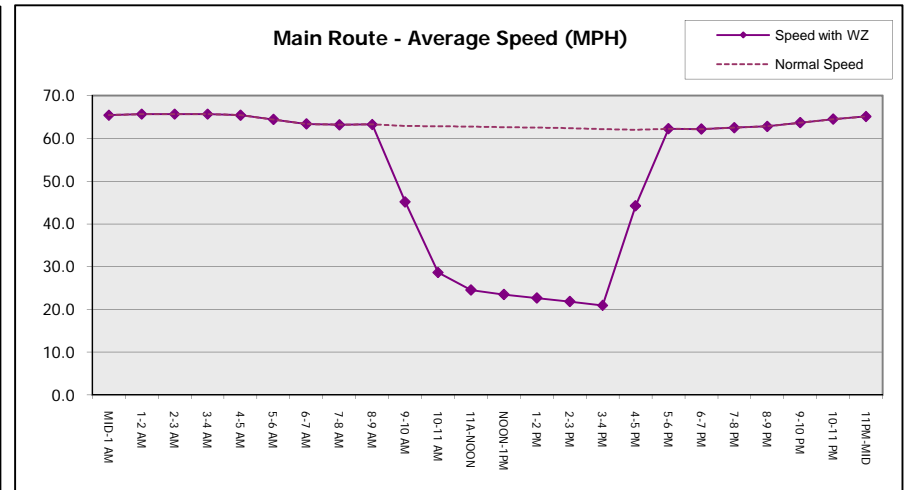
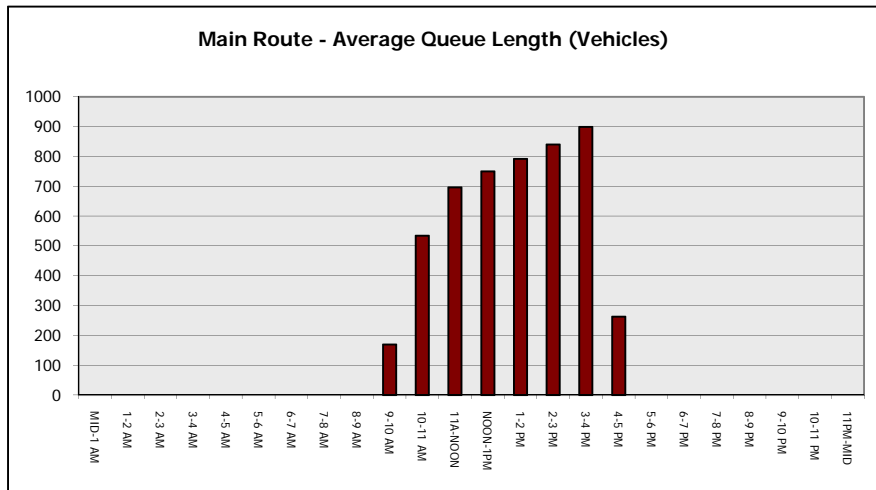
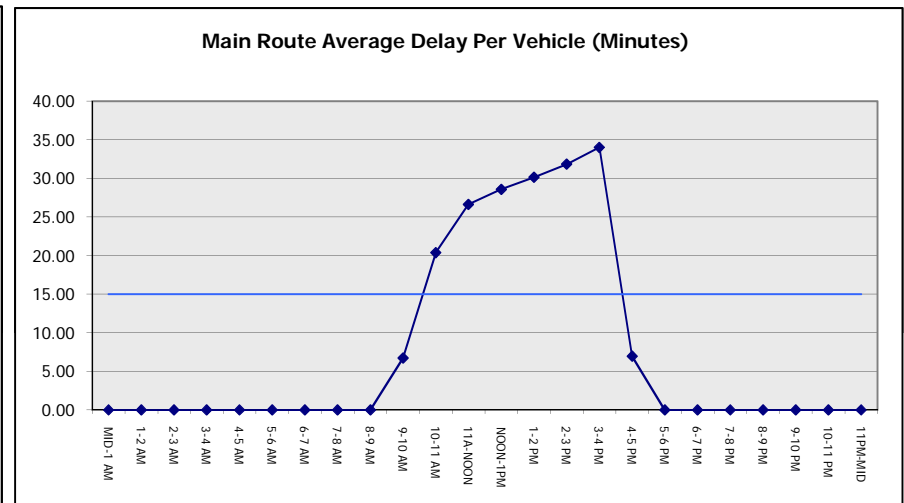
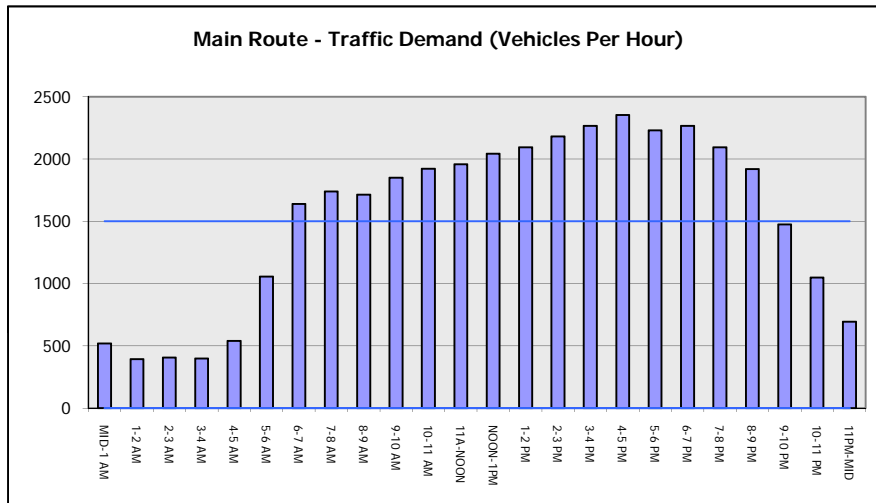
*Delays Exceeding 15 Minutes

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OFF-PEAK DAY CLOSURE
DIVERSION ROUTE: STH 73 - USH 12

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT

FRIDAY WESTBOUND DIRECTION



IH 39/90: BELTLINE TO STH 73 (DANE COUNTY) OFF-PEAK DAY CLOSURE DIVERSION ROUTE: STH 73 - USH 12	MAY Analyzed for 2009 Construction Season
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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	OFF	443	0	80	0.00	0	65.6	65.6	65.6	38.8	38.8
1-2 AM	385	0.0	69	0.0	OFF	385	0	69	0.00	0	65.6	65.6	65.6	38.9	38.9
2-3 AM	379	0.0	68	0.0	OFF	379	0	68	0.00	0	65.7	65.7	65.7	38.9	38.9
3-4 AM	421	0.0	75	0.0	OFF	421	0	75	0.00	0	65.6	65.6	65.6	38.8	38.8
4-5 AM	460	0.0	83	0.0	OFF	460	0	83	0.00	0	65.5	65.5	65.5	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	1499	1462	0	262	0.98	0	63.7	60.2	31.6	36.5	36.5
10-11 AM	1510	0.0	270	0.0	1499	1510	0	270	1.17	4	63.6	59.4	30.9	36.4	36.4
11A-NOON	1665	0.0	298	0.0	1500	1665	0	298	4.35	94	63.3	50.4	30.8	36.0	36.0
NOON-1PM	1698	0.0	305	0.0	1499	1698	0	305	11.02	275	63.2	38.3	30.8	36.0	36.0
1-2 PM	1869	0.0	335	0.0	1500	1767	101	436	20.50	534	62.9	28.6	30.8	35.6	34.3
2-3 PM	1940	0.0	347	0.0	1499	1562	378	725	26.21	685	62.8	24.8	30.8	35.5	30.7
3-4 PM	1937	0.0	347	0.0	1499	1508	429	776	27.12	709	62.8	24.3	30.8	35.5	30.1
4-5 PM	2091	0.0	375	0.0	OFF	2091	0	375	3.45	135	62.5	52.0	52.0	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	OFF	1499	0	269	0.00	0	63.6	63.6	63.6	36.4	36.4
8-9 PM	1263	0.0	226	0.0	OFF	1263	0	226	0.00	0	64.0	64.0	64.0	36.9	36.9
9-10 PM	1054	0.0	188	0.0	OFF	1054	0	188	0.00	0	64.4	64.4	64.4	37.4	37.4
10-11 PM	880	0.0	158	0.0	OFF	880	0	158	0.00	0	64.8	64.8	64.8	37.8	37.8
11PM-MID	667	0.0	119	0.0	OFF	667	0	119	0.00	0	65.1	65.1	65.1	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	0.0806
DIVERSION	0.1614

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$38,183
CONGESTED HOURS PER DAY*	3

*Delays Exceeding 15 Minutes

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

MAY
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY EASTBOUND DIRECTION

