

IH 39/90: BELTLINE TO STH 73 (DANE COUNTY) OFF-PEAK DAY 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	OFF	466	0	84	0.00	0	65.5	65.5	65.5	38.7	38.7
1-2 AM	361	0.0	65	0.0	OFF	361	0	65	0.00	0	65.7	65.7	65.7	38.9	38.9
2-3 AM	376	0.0	67	0.0	OFF	376	0	67	0.00	0	65.7	65.7	65.7	38.9	38.9
3-4 AM	366	0.0	66	0.0	OFF	366	0	66	0.00	0	65.7	65.7	65.7	38.9	38.9
4-5 AM	576	0.0	104	0.0	OFF	576	0	104	0.00	0	65.3	65.3	65.3	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	1499	1668	0	299	3.62	74	63.3	52.2	30.8	36.0	36.0
10-11 AM	1895	0.0	339	0.0	1500	1895	0	339	13.60	356	62.8	35.0	30.8	35.5	35.5
11A-NOON	1961	0.0	352	0.0	1499	1650	311	662	25.13	657	62.7	25.4	30.8	35.4	31.5
NOON-1PM	1998	0.0	358	0.0	1499	1534	464	822	27.94	732	62.7	23.8	30.8	35.3	29.6
1-2 PM	2001	0.0	359	0.0	1499	1509	491	850	28.49	747	62.7	23.5	30.8	35.3	29.2
2-3 PM	2133	0.0	382	0.0	1500	1574	558	940	30.24	796	62.4	22.6	30.8	35.0	28.1
3-4 PM	2129	0.0	381	0.0	1500	1504	625	1006	31.67	835	62.4	22.0	30.8	35.0	27.3
4-5 PM	2063	0.0	369	0.0	OFF	2063	0	369	4.42	179	62.5	49.7	49.7	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	OFF	1247	0	224	0.00	0	64.1	64.1	64.1	36.9	36.9
8-9 PM	1102	0.0	198	0.0	OFF	1102	0	198	0.00	0	64.3	64.3	64.3	37.3	37.3
9-10 PM	941	0.0	168	0.0	OFF	941	0	168	0.00	0	64.6	64.6	64.6	37.6	37.6
10-11 PM	772	0.0	138	0.0	OFF	772	0	138	0.00	0	65.0	65.0	65.0	38.0	38.0
11PM-MID	546	0.0	97	0.0	OFF	546	0	97	0.00	0	65.4	65.4	65.4	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	0.0829
DIVERSION	0.2125

PIA: Personal Injury Accidents

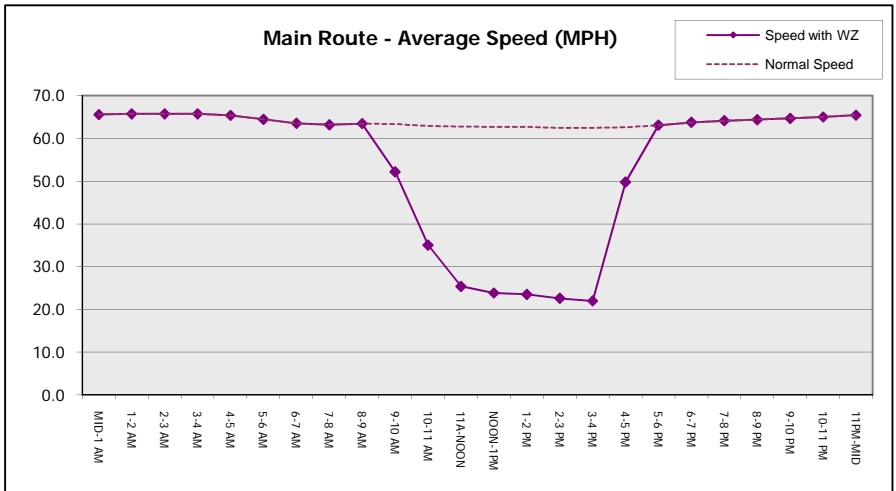
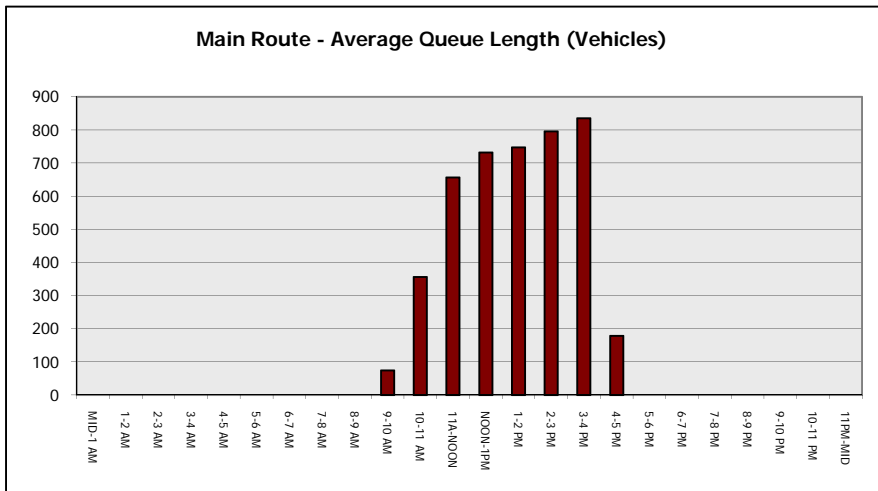
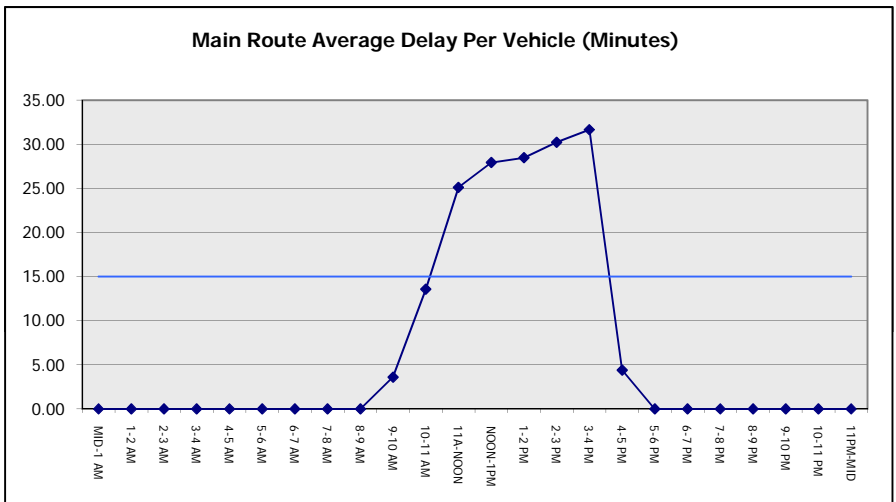
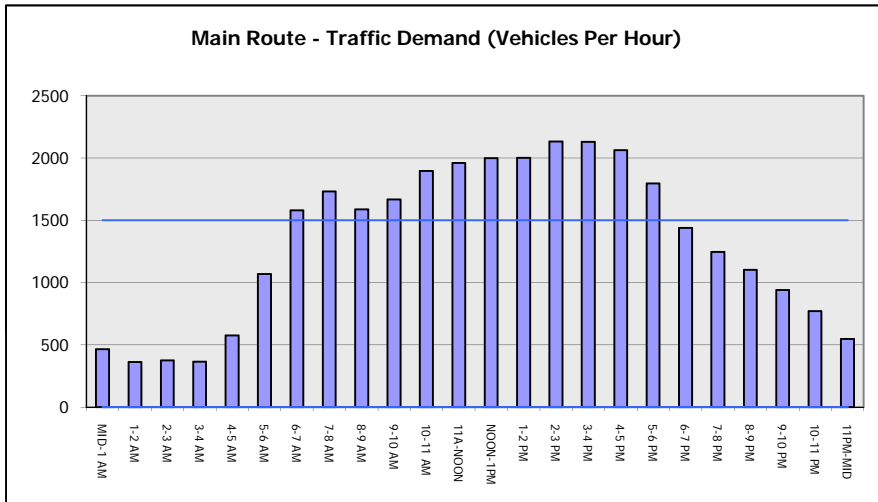
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$71,536
CONGESTED HOURS PER DAY*	5

*Delays Exceeding 15 Minutes

IH 39/90: BELTLINE TO STH 73 (DANE COUNTY)
OFF-PEAK DAY 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) OFF-PEAK DAY 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	OFF	458	0	83	0.00	0	65.5	65.5	65.5	38.7	38.7
1-2 AM	373	0.0	67	0.0	OFF	373	0	67	0.00	0	65.7	65.7	65.7	38.9	38.9
2-3 AM	392	0.0	70	0.0	OFF	392	0	70	0.00	0	65.6	65.6	65.6	38.9	38.9
3-4 AM	452	0.0	81	0.0	OFF	452	0	81	0.00	0	65.5	65.5	65.5	38.8	38.8
4-5 AM	559	0.0	100	0.0	OFF	559	0	100	0.00	0	65.3	65.3	65.3	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	1499	1701	0	305	4.14	90	63.2	50.8	30.8	36.0	36.0
10-11 AM	1878	0.0	336	0.0	1500	1878	0	336	14.52	379	62.9	34.0	30.8	35.6	35.6
11A-NOON	2047	0.0	366	0.0	1499	1683	364	730	26.25	688	62.6	24.7	30.8	35.2	30.7
NOON-1PM	2101	0.0	377	0.0	1500	1552	549	926	29.96	788	62.5	22.8	30.8	35.1	28.3
1-2 PM	2188	0.0	392	0.0	1500	1563	625	1018	31.90	842	62.3	21.9	30.8	34.9	27.1
2-3 PM	2362	0.0	423	0.0	1500	1623	739	1162	35.27	935	62.0	20.4	30.8	34.5	25.3
3-4 PM	2541	0.0	455	0.0	1500	1650	891	1346+	40.07	1077	60.5	18.6	30.8	34.1	23.0
4-5 PM	2582	0.0	463	0.0	OFF	2582	0	463	11.34	465	60.1	36.8	36.8	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	OFF	1492	0	267	0.00	0	63.6	63.6	63.6	36.5	36.5
8-9 PM	1301	0.0	233	0.0	OFF	1301	0	233	0.00	0	64.0	64.0	64.0	36.8	36.8
9-10 PM	1080	0.0	194	0.0	OFF	1080	0	194	0.00	0	64.4	64.4	64.4	37.3	37.3
10-11 PM	827	0.0	148	0.0	OFF	827	0	148	0.00	0	64.8	64.8	64.8	37.9	37.9
11PM-MID	557	0.0	99	0.0	OFF	557	0	99	0.00	0	65.3	65.3	65.3	38.5	38.5

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

+ INDICATES DIVERSION FLOW EXCEEDS USER-SPECIFIED WARNING LIMIT

----- 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	0.0868
DIVERSION	0.2411

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$92,940
CONGESTED HOURS PER DAY*	5

*Delays Exceeding 15 Minutes

IH 39/90: BELTLINE TO STH 73 (DANE COUNTY)
OFF-PEAK DAY 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

