

IH 39/90: BELTLINE TO STH 73 (DANE COUNTY) OFF-PEAK DAY CLOSURE DIVERSION ROUTE: STH 73 - USH 12	OCTOBER Analyzed for 2009 Construction Season
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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	299	0.0	53	0.0	OFF	299	0	53	0.00	0	65.8	65.8	65.8	39.1	39.1
1-2 AM	217	0.0	39	0.0	OFF	217	0	39	0.00	0	66.0	66.0	66.0	39.2	39.2
2-3 AM	170	0.0	30	0.0	OFF	170	0	30	0.00	0	66.1	66.1	66.1	39.4	39.4
3-4 AM	134	0.0	24	0.0	OFF	134	0	24	0.00	0	66.1	66.1	66.1	39.4	39.4
4-5 AM	174	0.0	31	0.0	OFF	174	0	31	0.00	0	66.1	66.1	66.1	39.4	39.4
5-6 AM	265	0.0	47	0.0	OFF	265	0	47	0.00	0	65.9	65.9	65.9	39.2	39.2
6-7 AM	410	0.0	73	0.0	OFF	410	0	73	0.00	0	65.6	65.6	65.6	38.8	38.8
7-8 AM	605	0.0	109	0.0	OFF	605	0	109	0.00	0	65.3	65.3	65.3	38.4	38.4
8-9 AM	932	0.0	167	0.0	OFF	932	0	167	0.00	0	64.6	64.6	64.6	37.7	37.7
9-10 AM	1347	0.0	242	0.0	1499	1347	0	242	0.82	0	63.9	60.9	34.5	36.8	36.8
10-11 AM	1762	0.0	316	0.0	1499	1762	0	316	4.71	109	63.1	49.4	30.8	35.8	35.8
11A-NOON	2046	0.0	366	0.0	1500	1944	102	468	18.85	502	62.6	29.8	30.8	35.2	33.9
NOON-1PM	2170	0.0	388	0.0	1499	1636	534	923	29.85	787	62.3	22.8	30.8	34.9	28.3
1-2 PM	2114	0.0	379	0.0	1499	1487	627	1005	31.65	834	62.5	22.0	30.8	35.0	27.3
2-3 PM	2165	0.0	388	0.0	1499	1529	636	1024	32.04	845	62.3	21.8	30.8	34.9	27.0
3-4 PM	2155	0.0	386	0.0	1499	1499	655	1041	32.44	856	62.3	21.6	30.8	35.0	26.8
4-5 PM	2225	0.0	399	0.0	1499	1535	690	1089	33.53	886	62.2	21.1	30.8	34.8	26.2
5-6 PM	1949	0.0	349	0.0	1499	1335	614	964	30.83	812	62.8	22.4	30.8	35.4	27.8
6-7 PM	1704	0.0	306	0.0	1499	1355	348	654	25.12	654	63.2	25.5	30.8	36.0	31.6
7-8 PM	1378	0.0	247	0.0	OFF	1378	0	247	1.27	64	63.8	59.4	59.4	36.7	36.7
8-9 PM	1119	0.0	200	0.0	OFF	1119	0	200	0.00	0	64.3	64.3	64.3	37.3	37.3
9-10 PM	920	0.0	164	0.0	OFF	920	0	164	0.00	0	64.6	64.6	64.6	37.7	37.7
10-11 PM	582	0.0	105	0.0	OFF	582	0	105	0.00	0	65.3	65.3	65.3	38.4	38.4
11PM-MID	456	0.0	82	0.0	OFF	456	0	82	0.00	0	65.5	65.5	65.5	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	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	0.0778
MAIN ROUTE WITH WORKS	0.0648
DIVERSION	0.2373

PIA: Personal Injury Accidents

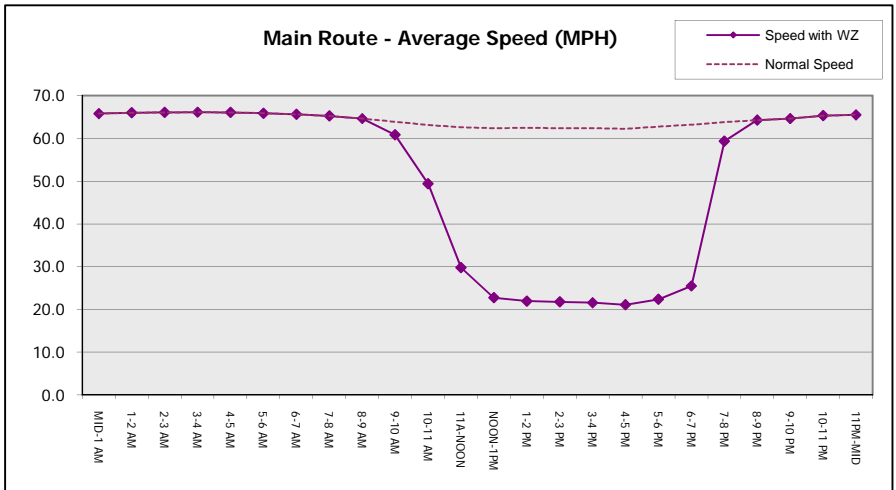
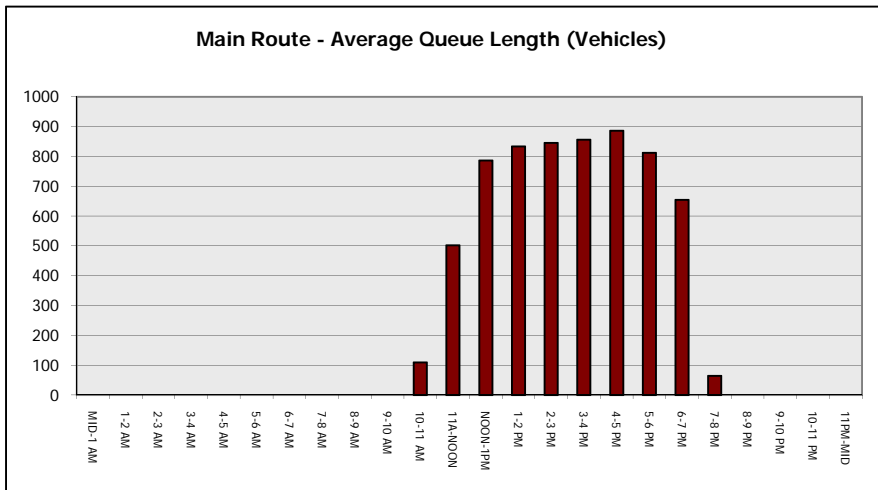
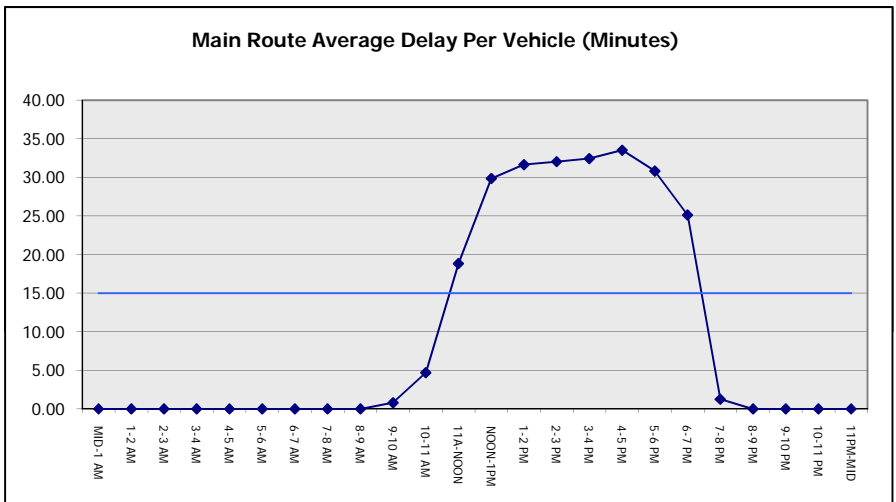
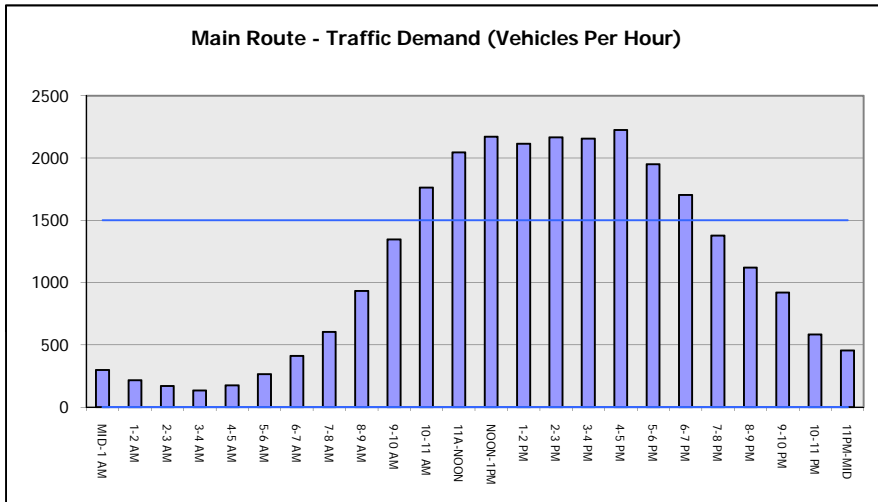
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$151,853
CONGESTED HOURS PER DAY*	8

*Delays Exceeding 15 Minutes

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

OCTOBER
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY WESTBOUND DIRECTION



IH 39/90: BELTLINE TO STH 73 (DANE COUNTY) OFF-PEAK DAY CLOSURE DIVERSION ROUTE: STH 73 - USH 12	OCTOBER
	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			AVERAGE SPEEDS IN MPH				
	MAIN		DIVERSION		SITE CAPA CITY	FLOW MAIN ROUTE	FLOW DIVERTING	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	344	0.0	62	0.0	OFF	344	0	62	0.00	0	65.8	65.8	65.8	39.0	39.0
1-2 AM	265	0.0	47	0.0	OFF	265	0	47	0.00	0	65.9	65.9	65.9	39.2	39.2
2-3 AM	215	0.0	39	0.0	OFF	215	0	39	0.00	0	66.0	66.0	66.0	39.2	39.2
3-4 AM	180	0.0	32	0.0	OFF	180	0	32	0.00	0	66.1	66.1	66.1	39.4	39.4
4-5 AM	183	0.0	32	0.0	OFF	183	0	32	0.00	0	66.1	66.1	66.1	39.4	39.4
5-6 AM	228	0.0	41	0.0	OFF	228	0	41	0.00	0	66.0	66.0	66.0	39.2	39.2
6-7 AM	379	0.0	68	0.0	OFF	379	0	68	0.00	0	65.7	65.7	65.7	38.9	38.9
7-8 AM	631	0.0	113	0.0	OFF	631	0	113	0.00	0	65.2	65.2	65.2	38.3	38.3
8-9 AM	1074	0.0	193	0.0	OFF	1074	0	193	0.00	0	64.4	64.4	64.4	37.3	37.3
9-10 AM	1634	0.0	293	0.0	1499	1634	0	293	2.18	34	63.3	56.1	30.9	36.1	36.1
10-11 AM	2226	0.0	399	0.0	1500	2138	87	486	16.45	459	62.2	31.9	30.8	34.8	33.7
11A-NOON	2682	0.0	480	0.0	1500	1926	756	1236+	36.40	995	59.0	19.7	30.8	33.8	24.4
NOON-1PM	3046	0.0	545	0.0	1500	1765	1282	1827+	49.53	1378	55.3	15.6	30.8	33.0	19.3
1-2 PM	3122	0.0	559	0.0	1500	1498	1625	2183+	51.76	1444	54.5	15.0	30.8	32.8	18.6
2-3 PM	3286	0.0	588	0.0	1500	1499	1787	2375+	51.14	1444	52.8	15.0	30.8	32.4	18.6
3-4 PM	3320	0.0	594	0.0	1500	1499	1821	2415+	51.01	1444	52.5	15.0	30.8	32.4	18.6
4-5 PM	3235	0.0	580	0.0	1500	1499	1736	2316+	51.34	1444	53.3	15.0	30.8	32.5	18.6
5-6 PM	2760	0.0	494	0.0	1500	1444	1317	1810+	52.50	1430	58.2	15.2	30.8	33.6	18.8
6-7 PM	2441	0.0	437	0.0	1500	1285	1157	1594+	49.29	1319	61.5	16.1	30.8	34.3	19.9
7-8 PM	1864	0.0	334	0.0	OFF	1864	0	334	7.36	332	62.9	44.0	44.0	35.6	35.6
8-9 PM	1379	0.0	247	0.0	OFF	1379	0	247	0.00	0	63.8	63.8	63.8	36.7	36.7
9-10 PM	928	0.0	166	0.0	OFF	928	0	166	0.00	0	64.6	64.6	64.6	37.7	37.7
10-11 PM	632	0.0	113	0.0	OFF	632	0	113	0.00	0	65.2	65.2	65.2	38.3	38.3
11PM-MID	456	0.0	82	0.0	OFF	456	0	82	0.00	0	65.5	65.5	65.5	38.8	38.8

"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	0.1040
MAIN ROUTE WITH WORKS	0.0700
DIVERSION	0.4722

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$375,747
CONGESTED HOURS PER DAY*	9

*Delays Exceeding 15 Minutes

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

OCTOBER
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 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY EASTBOUND DIRECTION

