

IH 94: IH 39/STH 30 TO STH 73 (DANE COUNTY) OFF-PEAK DAY CLOSURE DIVERSION ROUTE: IH 39 - USH 12 - STH 73	OCTOBER
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

SATURDAY 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	311	0.0	68	0.0	OFF	311	0	68	0.00	0	65.8	65.8	65.8	43.7	43.7
1-2 AM	201	0.0	44	0.0	OFF	201	0	44	0.00	0	66.0	66.0	66.0	44.1	44.1
2-3 AM	175	0.0	38	0.0	OFF	175	0	38	0.00	0	66.1	66.1	66.1	44.2	44.2
3-4 AM	157	0.0	35	0.0	OFF	157	0	35	0.00	0	66.1	66.1	66.1	44.2	44.2
4-5 AM	220	0.0	48	0.0	OFF	220	0	48	0.00	0	66.0	66.0	66.0	44.0	44.0
5-6 AM	355	0.0	77	0.0	OFF	355	0	77	0.00	0	65.7	65.7	65.7	43.6	43.6
6-7 AM	712	0.0	155	0.0	OFF	712	0	155	0.00	0	65.1	65.1	65.1	42.5	42.5
7-8 AM	1763	0.0	385	0.0	OFF	1763	0	385	0.00	0	63.1	63.1	63.1	39.2	39.2
8-9 AM	3312	0.0	722	0.0	1499	2941	370	1092	23.76	776	52.6	17.1	30.8	34.4	29.1
9-10 AM	2952	0.0	644	0.0	1499	1431	1521	2165+	48.86	1324	56.3	10.2	30.8	35.5	20.7
10-11 AM	2226	0.0	486	0.0	1499	1142	1084	1569+	45.53	1211	62.2	10.9	30.8	37.8	22.4
11A-NOON	1844	0.0	402	0.0	1499	1192	652	1054	31.97	842	63.0	14.5	30.8	39.0	29.7
NOON-1PM	1738	0.0	379	0.0	1499	1435	304	682	25.71	668	63.2	17.1	30.8	39.3	35.0
1-2 PM	1684	0.0	367	0.0	1500	1476	208	575	24.25	628	63.2	17.9	30.8	39.5	36.5
2-3 PM	1620	0.0	354	0.0	1499	1476	144	497	23.27	601	63.3	18.4	30.8	39.7	37.6
3-4 PM	1642	0.0	358	0.0	1500	1509	133	491	23.18	598	63.3	18.5	30.8	39.6	37.7
4-5 PM	1622	0.0	354	0.0	1500	1485	137	491	23.19	598	63.3	18.5	30.8	39.7	37.7
5-6 PM	1417	0.0	309	0.0	1499	1387	30	338	20.92	537	63.7	19.9	30.8	40.3	39.9
6-7 PM	1102	0.0	241	0.0	OFF	1102	0	241	0.71	38	64.3	59.8	59.8	41.3	41.3
7-8 PM	899	0.0	196	0.0	OFF	899	0	196	0.00	0	64.7	64.7	64.7	41.9	41.9
8-9 PM	813	0.0	178	0.0	OFF	813	0	178	0.00	0	64.9	64.9	64.9	42.2	42.2
9-10 PM	676	0.0	148	0.0	OFF	676	0	148	0.00	0	65.1	65.1	65.1	42.6	42.6
10-11 PM	585	0.0	128	0.0	OFF	585	0	128	0.00	0	65.3	65.3	65.3	42.9	42.9
11PM-MID	456	0.0	99	0.0	OFF	456	0	99	0.00	0	65.5	65.5	65.5	43.3	43.3

"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	0.0458
MAIN ROUTE WITH WORKS	0.0374
DIVERSION	0.0819

PIA: Personal Injury Accidents

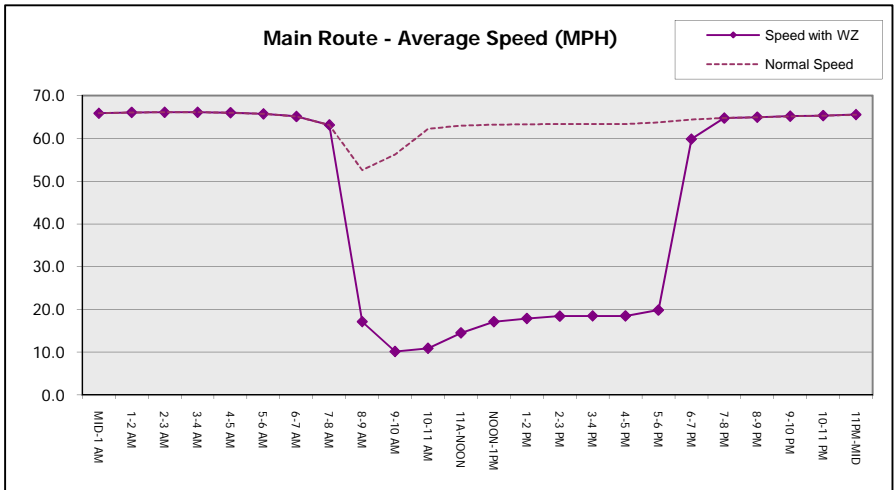
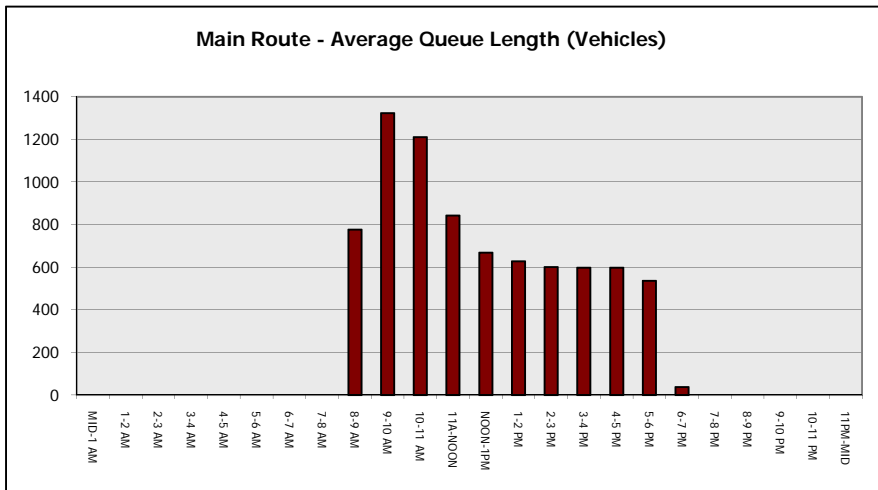
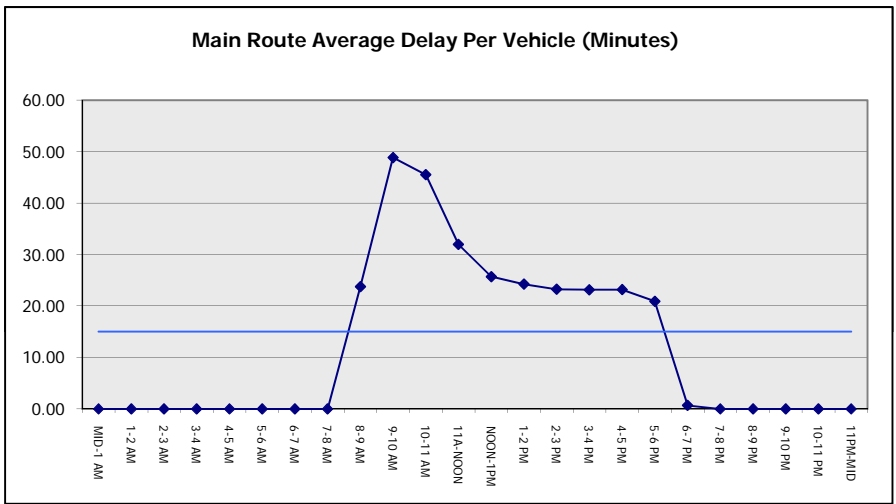
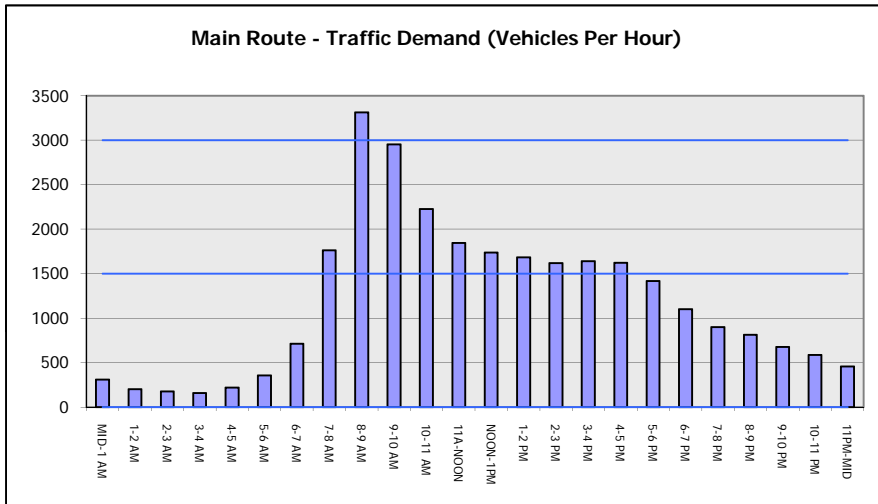
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$190,727
CONGESTED HOURS PER DAY*	10

*Delays Exceeding 15 Minutes

IH 94: IH 39/STH 30 TO STH 73 (DANE COUNTY)
OFF-PEAK DAY CLOSURE
DIVERSION ROUTE: IH 39 - USH 12 - STH 73

OCTOBER
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SATURDAY WESTBOUND DIRECTION



IH 94: IH 39/STH 30 TO STH 73 (DANE COUNTY) OFF-PEAK DAY CLOSURE DIVERSION ROUTE: IH 39 - USH 12 - STH 73	OCTOBER
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SUMMARY OF TRAFFIC MODEL OUTPUT

SATURDAY 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 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	232	0.0	50	0.0	OFF	232	0	50	0.00	0	66.0	66.0	66.0	44.0	44.0
1-2 AM	142	0.0	31	0.0	OFF	142	0	31	0.00	0	66.1	66.1	66.1	44.3	44.3
2-3 AM	117	0.0	25	0.0	OFF	117	0	25	0.00	0	66.1	66.1	66.1	44.3	44.3
3-4 AM	146	0.0	31	0.0	OFF	146	0	31	0.00	0	66.1	66.1	66.1	44.3	44.3
4-5 AM	158	0.0	35	0.0	OFF	158	0	35	0.00	0	66.1	66.1	66.1	44.2	44.2
5-6 AM	269	0.0	59	0.0	OFF	269	0	59	0.00	0	65.9	65.9	65.9	43.9	43.9
6-7 AM	356	0.0	77	0.0	OFF	356	0	77	0.00	0	65.7	65.7	65.7	43.6	43.6
7-8 AM	572	0.0	125	0.0	OFF	572	0	125	0.00	0	65.3	65.3	65.3	42.9	42.9
8-9 AM	878	0.0	191	0.0	1500	878	0	191	0.51	0	64.8	61.4	42.1	42.0	42.0
9-10 AM	1108	0.0	242	0.0	1500	1108	0	242	0.53	0	64.3	60.9	41.3	41.3	41.3
10-11 AM	1413	0.0	308	0.0	1499	1413	0	308	0.91	0	63.8	58.2	32.7	40.3	40.3
11A-NOON	1566	0.0	341	0.0	1499	1566	0	341	1.99	27	63.5	52.5	30.8	39.9	39.9
NOON-1PM	1606	0.0	351	0.0	1500	1606	0	351	5.21	115	63.4	41.0	30.8	39.7	39.7
1-2 PM	1704	0.0	371	0.0	1500	1704	0	371	10.29	256	63.2	30.5	30.8	39.4	39.4
2-3 PM	2179	0.0	475	0.0	1500	1984	195	670	23.63	634	62.3	18.1	30.8	37.9	35.1
3-4 PM	2833	0.0	617	0.0	1500	1993	839	1457+	41.02	1116	57.5	11.7	30.8	35.9	24.0
4-5 PM	2886	0.0	630	0.0	1500	1500	1386	2016+	49.64	1341	56.9	10.1	30.8	35.7	20.5
5-6 PM	2342	0.0	511	0.0	1500	1243	1099	1610+	46.96	1248	62.0	10.7	30.8	37.4	21.8
6-7 PM	1835	0.0	401	0.0	OFF	1835	0	401	5.27	277	63.0	40.7	40.7	39.0	39.0
7-8 PM	1436	0.0	313	0.0	OFF	1436	0	313	0.00	0	63.7	63.7	63.7	40.2	40.2
8-9 PM	1085	0.0	236	0.0	OFF	1085	0	236	0.00	0	64.3	64.3	64.3	41.4	41.4
9-10 PM	892	0.0	195	0.0	OFF	892	0	195	0.00	0	64.7	64.7	64.7	41.9	41.9
10-11 PM	825	0.0	180	0.0	OFF	825	0	180	0.00	0	64.8	64.8	64.8	42.2	42.2
11PM-MID	441	0.0	96	0.0	OFF	441	0	96	0.00	0	65.6	65.6	65.6	43.3	43.3

"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	0.0434
MAIN ROUTE WITH WORKS	0.0368
DIVERSION	0.0714

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$143,835
CONGESTED HOURS PER DAY*	4

*Delays Exceeding 15 Minutes

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OFF-PEAK DAY CLOSURE
DIVERSION ROUTE: IH 39 - USH 12 - STH 73

OCTOBER
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SATURDAY EASTBOUND DIRECTION

