

IH 94: IH 39/STH 30 TO STH 73 (DANE COUNTY) CONTINUOUS (24 HOUR) 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	1500	311	0	68	0.45	0	65.8	62.7	44.2	43.7	43.7
1-2 AM	201	0.0	44	0.0	1500	201	0	44	0.44	0	66.0	63.0	44.6	44.1	44.1
2-3 AM	175	0.0	38	0.0	1500	175	0	38	0.44	0	66.1	63.0	44.8	44.2	44.2
3-4 AM	157	0.0	35	0.0	1500	157	0	35	0.44	0	66.1	63.1	44.8	44.2	44.2
4-5 AM	220	0.0	48	0.0	1500	220	0	48	0.44	0	66.0	62.9	44.6	44.0	44.0
5-6 AM	355	0.0	77	0.0	1500	355	0	77	0.46	0	65.7	62.6	44.1	43.6	43.6
6-7 AM	712	0.0	155	0.0	1500	712	0	155	0.49	0	65.1	61.8	42.7	42.5	42.5
7-8 AM	1763	0.0	385	0.0	1499	1763	0	385	3.07	73	63.1	47.8	31.4	39.2	39.2
8-9 AM	3312	0.0	722	0.0	1500	2759	553	1275+	32.04	982	52.6	13.9	30.8	34.4	26.6
9-10 AM	2952	0.0	644	0.0	1499	1251	1701	2344+	47.12	1279	56.3	10.4	30.8	35.5	21.4
10-11 AM	2226	0.0	486	0.0	1499	1187	1038	1524+	43.97	1168	62.2	11.3	30.8	37.8	23.0
11A-NOON	1844	0.0	402	0.0	1499	1211	632	1034	31.59	832	63.0	14.7	30.8	39.0	30.0
NOON-1PM	1738	0.0	379	0.0	1499	1437	301	680	25.67	667	63.2	17.2	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	1499	1102	0	241	10.80	290	64.3	29.9	33.3	41.3	41.3
7-8 PM	899	0.0	196	0.0	1500	899	0	196	0.67	5	64.7	60.4	42.0	41.9	41.9
8-9 PM	813	0.0	178	0.0	1500	813	0	178	0.50	0	64.9	61.5	42.4	42.2	42.2
9-10 PM	676	0.0	148	0.0	1500	676	0	148	0.49	0	65.1	61.9	42.8	42.6	42.6
10-11 PM	585	0.0	128	0.0	1500	585	0	128	0.48	0	65.3	62.1	43.2	42.9	42.9
11PM-MID	456	0.0	99	0.0	1500	456	0	99	0.47	0	65.5	62.4	43.7	43.3	43.3

+ INDICATES DIVERSION FLOW EXCEEDS USER-SPECIFIED WARNING LIMIT

----- SITE BREAKDOWN DELAYS -----	
BREAKDOWN DURATION (MINS)	0
RANGE OF QUEUE DELAY - MIN (VEH-H) MAX	0.0
RANGE OF DIVN DELAY - MIN (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 (VEH-H) MAX	0.0
RANGE OF DIVN DELAY - MIN (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	0.0364
DIVERSION	0.0842

PIA: Personal Injury Accidents

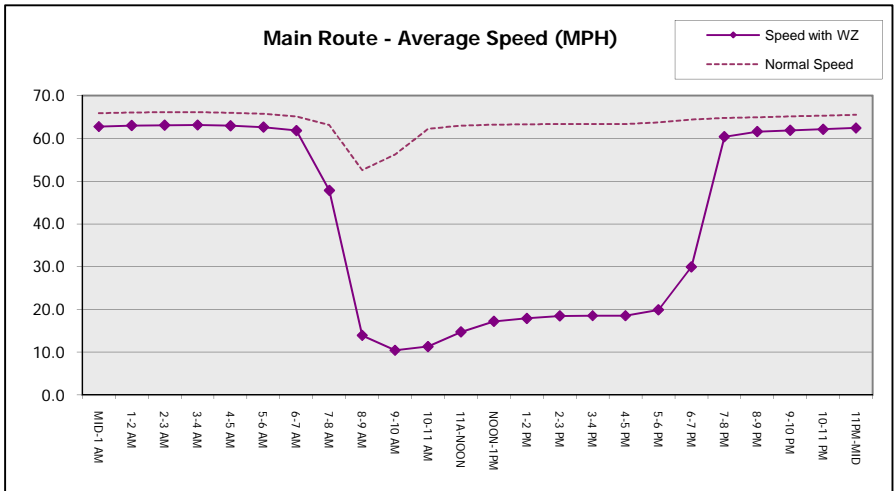
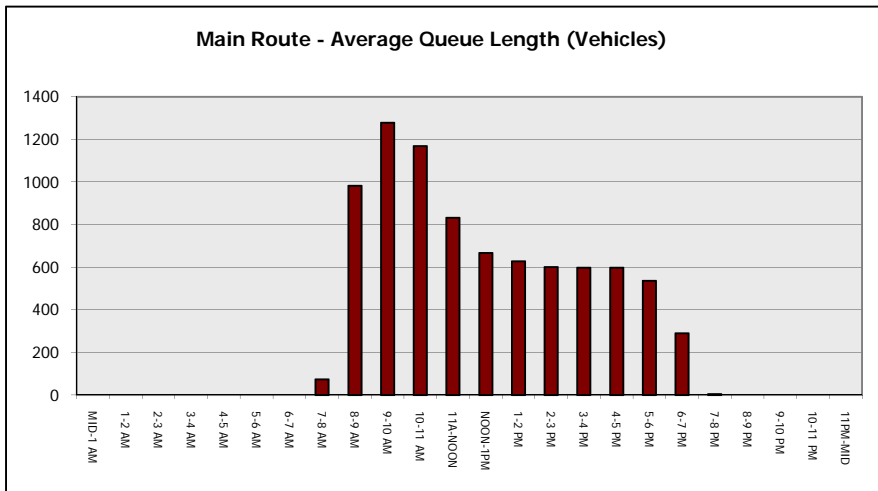
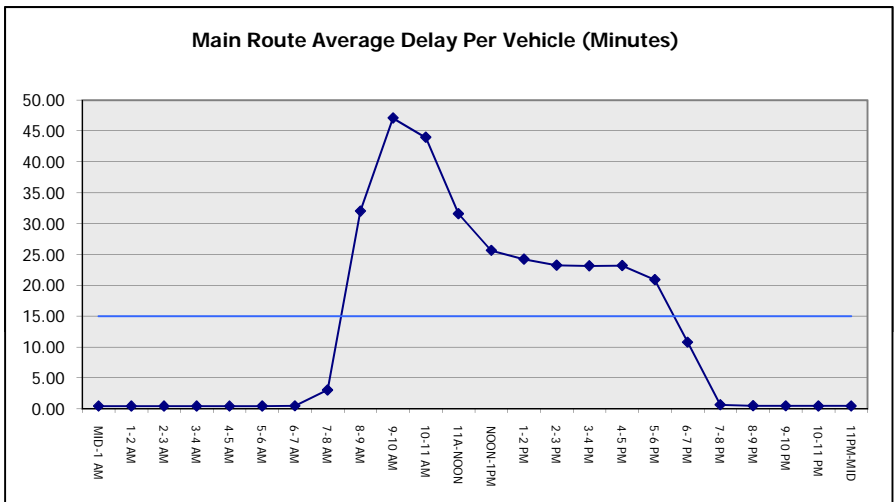
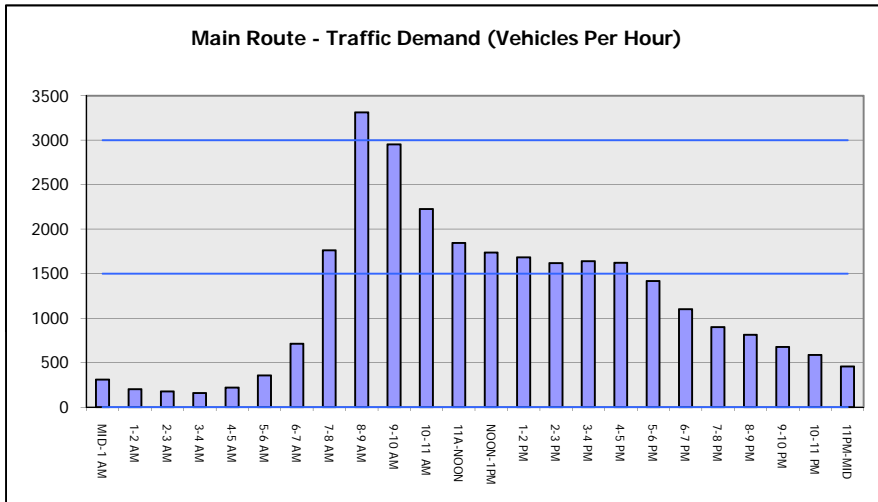
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$209,949
CONGESTED HOURS PER DAY*	10

*Delays Exceeding 15 Minutes

IH 94: IH 39/STH 30 TO STH 73 (DANE COUNTY)
CONTINUOUS (24 HOUR) 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) CONTINUOUS (24 HOUR) CLOSURE DIVERSION ROUTE: IH 39 - USH 12 - STH 73	OCTOBER
	Analyzed for 2009 Construction Season

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	1500	232	0	50	0.45	0	66.0	62.9	44.5	44.0	44.0
1-2 AM	142	0.0	31	0.0	1500	142	0	31	0.44	0	66.1	63.1	44.9	44.3	44.3
2-3 AM	117	0.0	25	0.0	1500	117	0	25	0.43	0	66.1	63.2	45.0	44.3	44.3
3-4 AM	146	0.0	31	0.0	1500	146	0	31	0.44	0	66.1	63.1	44.9	44.3	44.3
4-5 AM	158	0.0	35	0.0	1500	158	0	35	0.44	0	66.1	63.1	44.8	44.2	44.2
5-6 AM	269	0.0	59	0.0	1500	269	0	59	0.45	0	65.9	62.8	44.4	43.9	43.9
6-7 AM	356	0.0	77	0.0	1500	356	0	77	0.46	0	65.7	62.6	44.1	43.6	43.6
7-8 AM	572	0.0	125	0.0	1500	572	0	125	0.48	0	65.3	62.1	43.2	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	1500	1104	731	1132	33.59	890	63.0	14.0	30.8	39.0	28.6
7-8 PM	1436	0.0	313	0.0	1499	1292	144	457	22.65	586	63.7	18.8	30.8	40.2	38.2
8-9 PM	1085	0.0	236	0.0	1499	1085	0	236	11.12	301	64.3	29.5	33.5	41.4	41.4
9-10 PM	892	0.0	195	0.0	1500	891	0	195	0.67	5	64.7	60.4	42.0	41.9	41.9
10-11 PM	825	0.0	180	0.0	1500	825	0	180	0.50	0	64.8	61.5	42.3	42.2	42.2
11PM-MID	441	0.0	96	0.0	1500	441	0	96	0.47	0	65.6	62.4	43.7	43.3	43.3

+ 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	0.0349
DIVERSION	0.0781

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$181,099
CONGESTED HOURS PER DAY*	6

*Delays Exceeding 15 Minutes

IH 94: IH 39/STH 30 TO STH 73 (DANE COUNTY)
CONTINUOUS (24 HOUR) 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

