

IH 94: IH 39/STH 30 TO STH 73 (DANE COUNTY) OFF-PEAK DAY CLOSURE DIVERSION ROUTE: IH 39 - USH 12 - STH 73	AUGUST
	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	358	0.0	78	0.0	OFF	358	0	78	0.00	0	65.7	65.7	65.7	43.6	43.6
1-2 AM	231	0.0	50	0.0	OFF	231	0	50	0.00	0	66.0	66.0	66.0	44.0	44.0
2-3 AM	177	0.0	39	0.0	OFF	177	0	39	0.00	0	66.1	66.1	66.1	44.2	44.2
3-4 AM	129	0.0	28	0.0	OFF	129	0	28	0.00	0	66.1	66.1	66.1	44.3	44.3
4-5 AM	181	0.0	40	0.0	OFF	181	0	40	0.00	0	66.1	66.1	66.1	44.2	44.2
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	655	0.0	142	0.0	OFF	655	0	142	0.00	0	65.1	65.1	65.1	42.7	42.7
7-8 AM	1193	0.0	261	0.0	OFF	1193	0	261	0.00	0	64.1	64.1	64.1	41.0	41.0
8-9 AM	1794	0.0	391	0.0	1499	1794	0	391	4.56	111	63.0	42.7	30.8	39.1	39.1
9-10 AM	2327	0.0	507	0.0	1500	2111	216	723	23.04	633	62.0	18.4	30.8	37.5	34.4
10-11 AM	2525	0.0	550	0.0	1500	1717	808	1358+	38.71	1031	60.6	12.4	30.8	36.9	25.3
11A-NOON	2348	0.0	512	0.0	1500	1421	928	1439+	41.26	1092	62.0	11.9	30.8	37.4	24.2
NOON-1PM	2104	0.0	459	0.0	1500	1321	783	1243+	36.04	951	62.5	13.2	30.8	38.2	27.0
1-2 PM	1953	0.0	426	0.0	1500	1389	563	989	30.69	804	62.7	15.0	30.8	38.6	30.6
2-3 PM	1845	0.0	403	0.0	1500	1438	407	809	27.61	720	63.0	16.3	30.8	39.0	33.2
3-4 PM	1761	0.0	384	0.0	1500	1462	299	683	25.71	668	63.1	17.1	30.8	39.2	35.0
4-5 PM	1783	0.0	389	0.0	1500	1503	280	669	25.51	662	63.1	17.3	30.8	39.2	35.1
5-6 PM	1561	0.0	340	0.0	1499	1401	160	500	23.32	602	63.5	18.4	30.8	39.9	37.6
6-7 PM	1335	0.0	291	0.0	OFF	1335	0	291	1.03	58	63.9	57.6	57.6	40.6	40.6
7-8 PM	1140	0.0	249	0.0	OFF	1140	0	249	0.00	0	64.3	64.3	64.3	41.2	41.2
8-9 PM	1048	0.0	229	0.0	OFF	1048	0	229	0.00	0	64.5	64.5	64.5	41.4	41.4
9-10 PM	1014	0.0	221	0.0	OFF	1014	0	221	0.00	0	64.5	64.5	64.5	41.5	41.5
10-11 PM	934	0.0	204	0.0	OFF	934	0	204	0.00	0	64.6	64.6	64.6	41.8	41.8
11PM-MID	632	0.0	138	0.0	OFF	632	0	138	0.00	0	65.2	65.2	65.2	42.7	42.7

"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	0.0472
MAIN ROUTE WITH WORKS	0.0390
DIVERSION	0.0824

PIA: Personal Injury Accidents

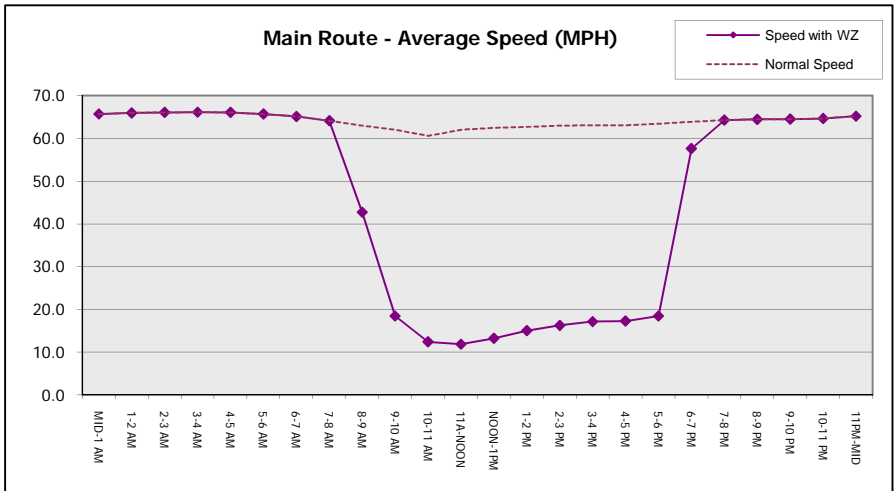
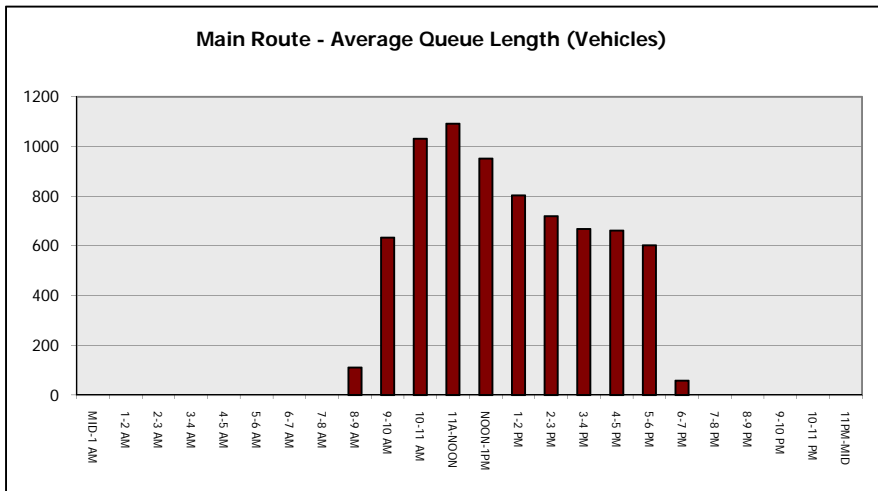
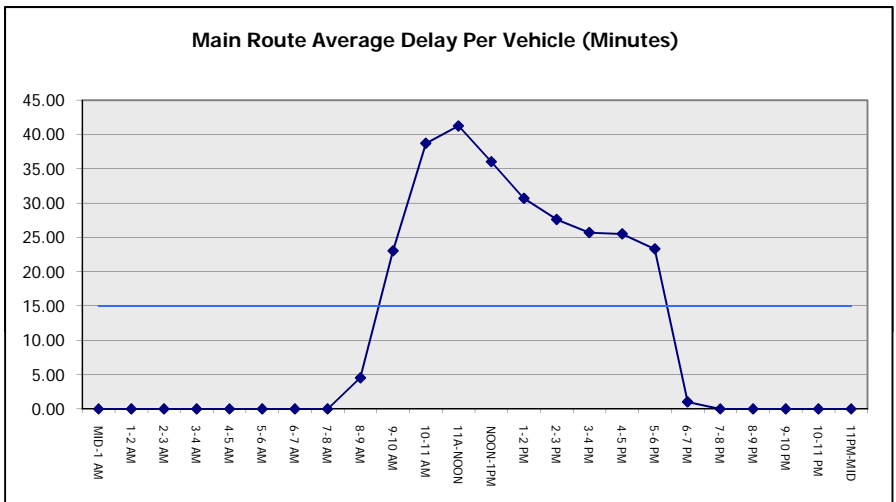
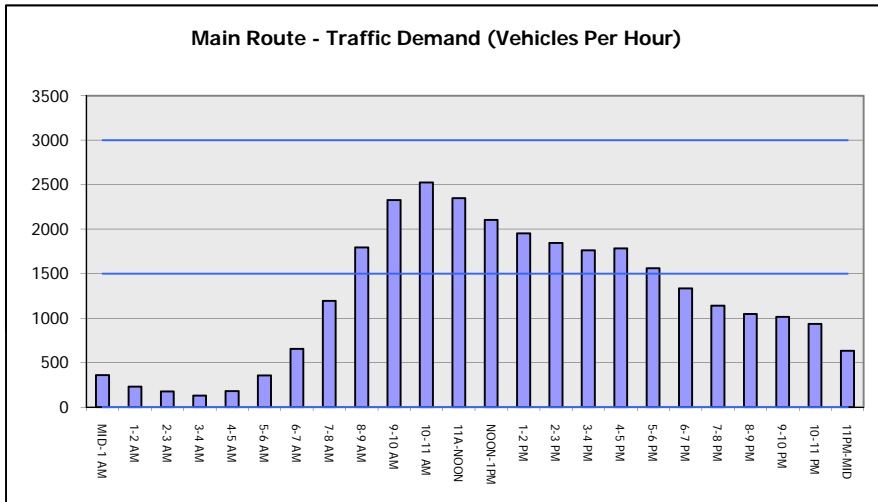
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$178,438
CONGESTED HOURS PER DAY*	9

*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

AUGUST
 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	AUGUST 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						
	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	323	0.0	70	0.0	OFF	323	0	70	0.00	0	65.8	65.8	65.8	43.7	43.7
1-2 AM	164	0.0	36	0.0	OFF	164	0	36	0.00	0	66.1	66.1	66.1	44.2	44.2
2-3 AM	146	0.0	32	0.0	OFF	146	0	32	0.00	0	66.1	66.1	66.1	44.3	44.3
3-4 AM	140	0.0	30	0.0	OFF	140	0	30	0.00	0	66.1	66.1	66.1	44.3	44.3
4-5 AM	187	0.0	41	0.0	OFF	187	0	41	0.00	0	66.0	66.0	66.0	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	414	0.0	90	0.0	OFF	414	0	90	0.00	0	65.6	65.6	65.6	43.4	43.4
7-8 AM	661	0.0	144	0.0	OFF	661	0	144	0.00	0	65.1	65.1	65.1	42.7	42.7
8-9 AM	994	0.0	217	0.0	1500	994	0	217	0.52	0	64.5	61.2	41.7	41.6	41.6
9-10 AM	1351	0.0	295	0.0	1499	1351	0	295	0.83	0	63.8	58.7	34.3	40.5	40.5
10-11 AM	1711	0.0	373	0.0	1499	1711	0	373	3.90	86	63.2	44.9	30.8	39.4	39.4
11A-NOON	1956	0.0	427	0.0	1500	1941	14	441	15.82	423	62.7	23.8	30.8	38.6	38.4
NOON-1PM	2152	0.0	470	0.0	1499	1703	449	919	29.36	771	62.3	15.5	30.8	38.0	31.6
1-2 PM	2225	0.0	485	0.0	1499	1561	664	1149	33.86	891	62.2	13.9	30.8	37.8	28.3
2-3 PM	2175	0.0	474	0.0	1499	1473	702	1176	34.47	907	62.3	13.7	30.8	37.9	27.9
3-4 PM	2030	0.0	443	0.0	1499	1419	611	1054	31.92	838	62.6	14.5	30.8	38.4	29.7
4-5 PM	2210	0.0	482	0.0	1499	1586	624	1107	32.95	866	62.3	14.2	30.8	37.8	28.9
5-6 PM	1860	0.0	406	0.0	1499	1299	561	967	30.31	795	62.9	15.2	30.8	38.9	30.9
6-7 PM	1507	0.0	329	0.0	OFF	1507	0	329	1.64	96	63.6	54.2	54.2	40.1	40.1
7-8 PM	1333	0.0	291	0.0	OFF	1333	0	291	0.00	0	63.9	63.9	63.9	40.6	40.6
8-9 PM	1246	0.0	272	0.0	OFF	1246	0	272	0.00	0	64.1	64.1	64.1	40.9	40.9
9-10 PM	1080	0.0	235	0.0	OFF	1080	0	235	0.00	0	64.4	64.4	64.4	41.4	41.4
10-11 PM	840	0.0	183	0.0	OFF	840	0	183	0.00	0	64.8	64.8	64.8	42.1	42.1
11PM-MID	606	0.0	132	0.0	OFF	606	0	132	0.00	0	65.3	65.3	65.3	42.8	42.8

"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	0.0443
MAIN ROUTE WITH WORKS	0.0375
DIVERSION	0.0732

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$140,218
CONGESTED HOURS PER DAY*	7

*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

AUGUST
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SATURDAY EASTBOUND DIRECTION

