

IH 94: IH 39/STH 30 TO STH 73 (DANE COUNTY) CONTINUOUS (24 HOUR) 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	1500	358	0	78	0.46	0	65.7	62.6	44.0	43.6	43.6
1-2 AM	231	0.0	50	0.0	1500	231	0	50	0.44	0	66.0	62.9	44.6	44.0	44.0
2-3 AM	177	0.0	39	0.0	1500	177	0	39	0.44	0	66.1	63.0	44.8	44.2	44.2
3-4 AM	129	0.0	28	0.0	1500	129	0	28	0.43	0	66.1	63.2	45.0	44.3	44.3
4-5 AM	181	0.0	40	0.0	1500	181	0	40	0.44	0	66.1	63.0	44.8	44.2	44.2
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	655	0.0	142	0.0	1500	655	0	142	0.49	0	65.1	61.9	42.9	42.7	42.7
7-8 AM	1193	0.0	261	0.0	1499	1193	0	261	0.66	0	64.1	59.9	38.0	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	1499	1335	0	291	19.06	488	63.9	21.2	30.8	40.6	40.6
7-8 PM	1140	0.0	249	0.0	1499	1140	0	249	8.32	221	64.3	34.2	33.3	41.2	41.2
8-9 PM	1048	0.0	229	0.0	1500	1048	0	229	0.57	1	64.5	60.8	41.5	41.4	41.4
9-10 PM	1014	0.0	221	0.0	1500	1014	0	221	0.52	0	64.5	61.1	41.6	41.5	41.5
10-11 PM	934	0.0	204	0.0	1500	934	0	204	0.51	0	64.6	61.3	41.9	41.8	41.8
11PM-MID	632	0.0	138	0.0	1500	632	0	138	0.48	0	65.2	62.0	43.0	42.7	42.7

+ 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	0.0472
MAIN ROUTE WITH WORKS	0.0384
DIVERSION	0.0824

PIA: Personal Injury Accidents

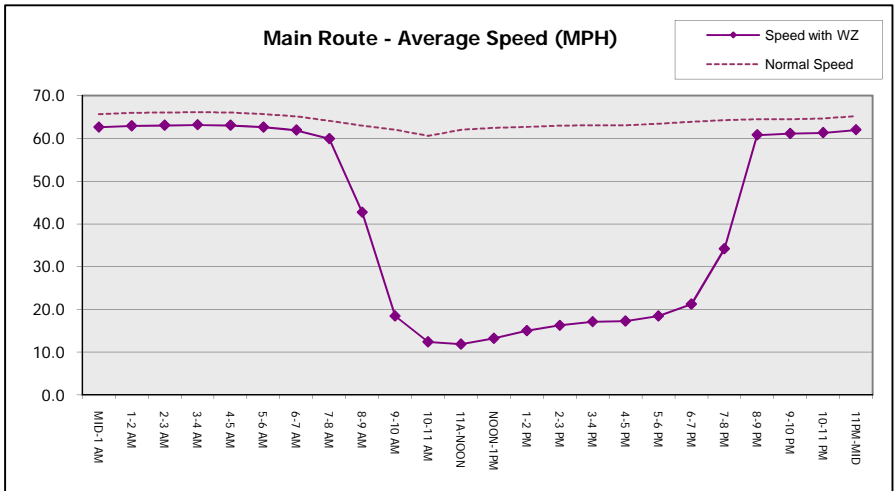
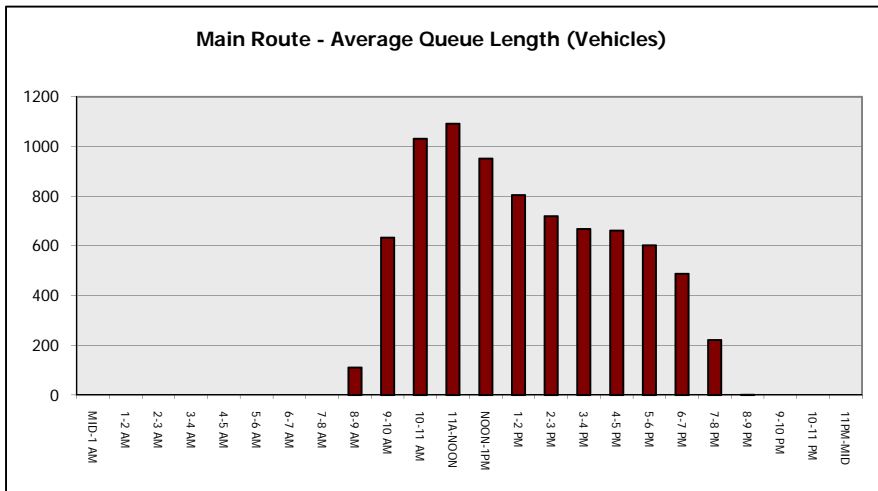
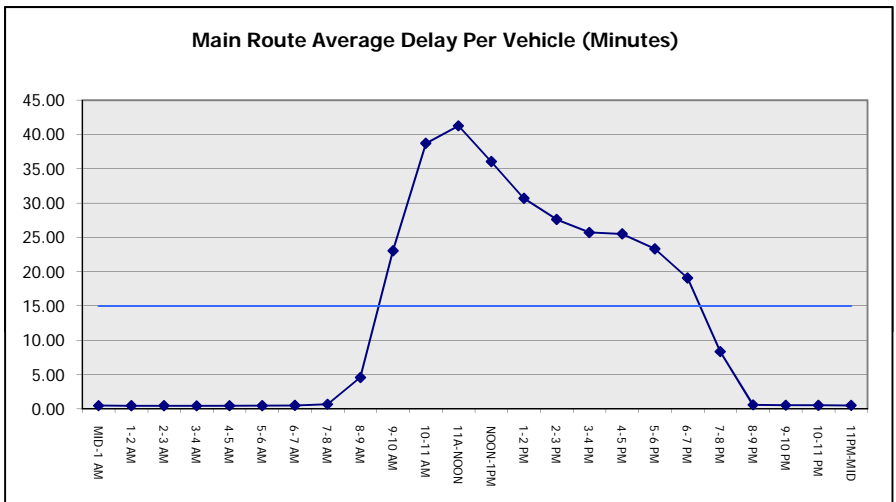
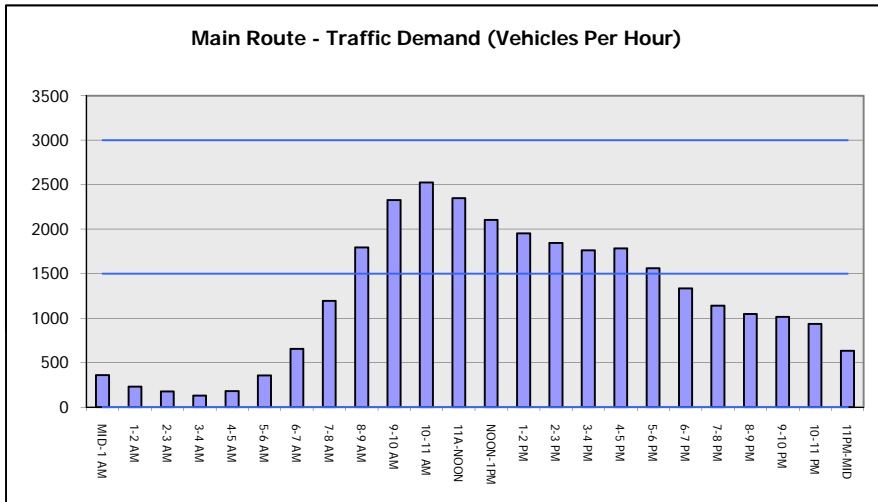
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$193,166
CONGESTED HOURS PER DAY*	10

*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

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) CONTINUOUS (24 HOUR) 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	1500	323	0	70	0.45	0	65.8	62.7	44.2	43.7	43.7
1-2 AM	164	0.0	36	0.0	1500	164	0	36	0.44	0	66.1	63.0	44.8	44.2	44.2
2-3 AM	146	0.0	32	0.0	1500	146	0	32	0.44	0	66.1	63.1	44.9	44.3	44.3
3-4 AM	140	0.0	30	0.0	1500	140	0	30	0.44	0	66.1	63.1	44.9	44.3	44.3
4-5 AM	187	0.0	41	0.0	1500	187	0	41	0.44	0	66.0	63.0	44.7	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	414	0.0	90	0.0	1500	414	0	90	0.46	0	65.6	62.5	43.8	43.4	43.4
7-8 AM	661	0.0	144	0.0	1500	661	0	144	0.49	0	65.1	61.9	42.9	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	1499	1341	166	495	23.24	601	63.6	18.5	30.8	40.1	37.7
7-8 PM	1333	0.0	291	0.0	1499	1333	0	291	17.96	458	63.9	22.0	30.8	40.6	40.6
8-9 PM	1246	0.0	272	0.0	1499	1246	0	272	9.86	248	64.1	31.4	31.4	40.9	40.9
9-10 PM	1080	0.0	235	0.0	1500	1080	0	235	1.11	17	64.4	57.6	40.2	41.4	41.4
10-11 PM	840	0.0	183	0.0	1500	840	0	183	0.50	0	64.8	61.5	42.2	42.1	42.1
11PM-MID	606	0.0	132	0.0	1500	606	0	132	0.48	0	65.3	62.0	43.1	42.8	42.8

----- 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	0.0367
DIVERSION	0.0745

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$165,277
CONGESTED HOURS PER DAY*	9

*Delays Exceeding 15 Minutes

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CONTINUOUS (24 HOUR) 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

