

IH 94: STH 67 TO CTH C (WAUKESHA COUNTY) CONTINUOUS (24 HOUR) CLOSURE DIVERSION ROUTE: STH 67 - USH 18 - CTH C	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	481	0.0	54	0.0	1500	481	0	54	0.47	0	65.5	57.3	43.6	29.3	29.3
1-2 AM	273	0.0	30	0.0	1500	273	0	30	0.45	0	65.9	57.9	44.4	29.5	29.5
2-3 AM	215	0.0	24	0.0	1500	215	0	24	0.44	0	66.0	58.1	44.6	29.6	29.6
3-4 AM	181	0.0	20	0.0	1500	181	0	20	0.44	0	66.1	58.2	44.8	29.6	29.6
4-5 AM	241	0.0	27	0.0	1500	241	0	27	0.45	0	66.0	58.0	44.5	29.6	29.6
5-6 AM	465	0.0	52	0.0	1500	465	0	52	0.47	0	65.5	57.4	43.7	29.3	29.3
6-7 AM	935	0.0	106	0.0	1499	935	0	106	0.51	0	64.6	56.0	41.9	28.8	28.8
7-8 AM	1499	0.0	170	0.0	1499	1499	0	170	1.47	18	63.6	44.3	32.4	28.2	28.2
8-9 AM	2093	0.0	237	0.0	1500	1995	98	334	11.31	323	62.5	14.9	30.8	27.6	26.7
9-10 AM	2467	0.0	278	0.0	1499	1676	791	1069	25.54	667	61.2	8.8	30.8	27.1	20.5
10-11 AM	2635	0.0	297	0.0	1499	1585	1050	1347+	30.03	790	59.5	8.2	30.8	27.0	18.2
11A-NOON	2614	0.0	295	0.0	1499	1498	1116	1411+	31.32	825	59.7	8.1	30.8	27.0	17.7
NOON-1PM	2693	0.0	303	0.0	1499	1538	1156	1459+	32.34	854	58.9	7.9	30.8	27.0	17.3
1-2 PM	2449	0.0	276	0.0	1499	1373	1076	1352+	30.30	794	61.4	8.2	30.8	27.2	18.1
2-3 PM	2451	0.0	276	0.0	1499	1495	956	1232+	28.07	733	61.4	8.4	30.8	27.2	19.1
3-4 PM	2461	0.0	277	0.0	1500	1500	961	1239+	28.18	736	61.3	8.4	30.8	27.2	19.1
4-5 PM	2316	0.0	261	0.0	1499	1426	890	1151	26.80	698	62.1	8.6	30.8	27.3	19.8
5-6 PM	2031	0.0	229	0.0	1499	1387	644	874	23.03	595	62.6	9.3	30.8	27.6	22.1
6-7 PM	1739	0.0	196	0.0	1500	1416	323	519	19.35	495	63.2	10.1	30.8	27.9	25.2
7-8 PM	1474	0.0	166	0.0	1500	1428	46	213	16.71	423	63.7	10.8	30.8	28.3	27.8
8-9 PM	1326	0.0	150	0.0	1499	1326	0	150	12.25	308	63.9	13.8	30.8	28.4	28.4
9-10 PM	1262	0.0	142	0.0	1499	1262	0	142	3.81	100	64.0	30.1	33.2	28.4	28.4
10-11 PM	1186	0.0	134	0.0	1500	1186	0	134	0.62	0	64.1	54.2	38.9	28.6	28.6
11PM-MID	904	0.0	102	0.0	1500	904	0	102	0.51	0	64.7	56.1	42.0	28.8	28.8

+ 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	0.0208
MAIN ROUTE WITH WORKS	0.0138
DIVERSION	0.1459

PIA: Personal Injury Accidents

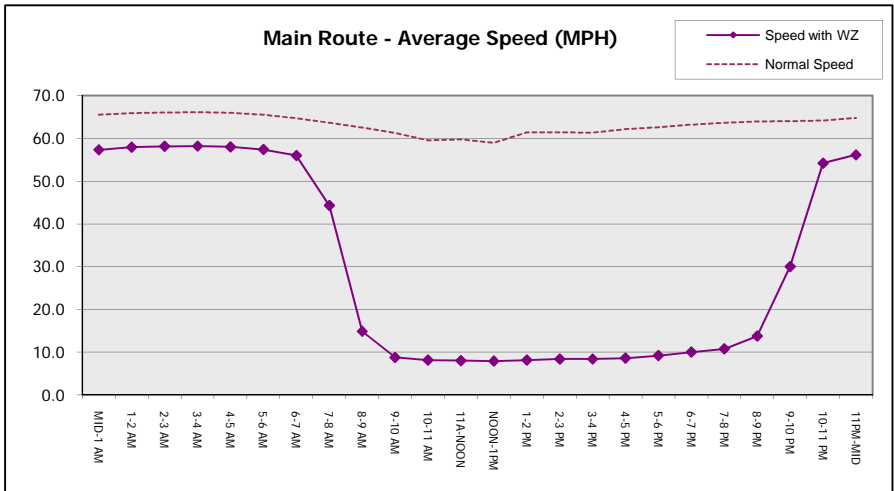
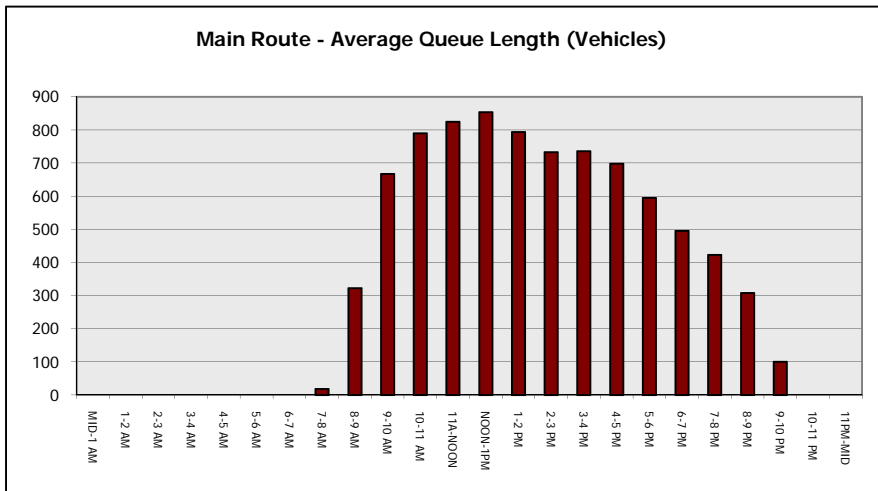
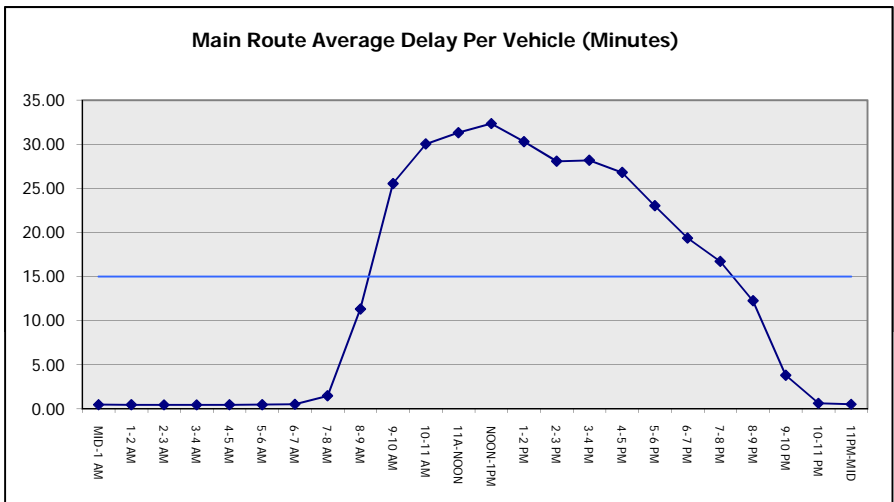
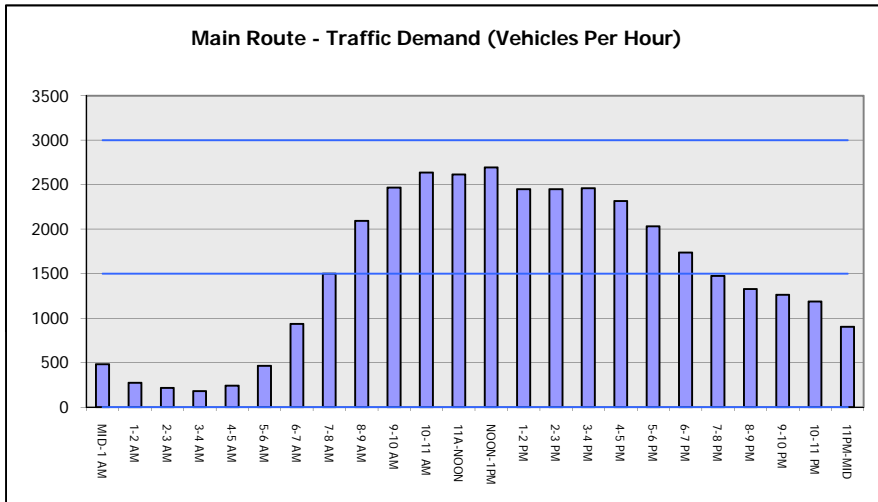
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$229,318
CONGESTED HOURS PER DAY*	11

*Delays Exceeding 15 Minutes

IH 94: STH 67 TO CTH C (WAUKESHA COUNTY)
CONTINUOUS (24 HOUR) CLOSURE
DIVERSION ROUTE: STH 67 - USH 18 - CTH C

AUGUST
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SATURDAY WESTBOUND DIRECTION



IH 94: STH 67 TO CTH C (WAUKESHA COUNTY) CONTINUOUS (24 HOUR) CLOSURE DIVERSION ROUTE: STH 67 - USH 18 - CTH C	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	497	0.0	57	0.0	1500	497	0	57	0.47	0	65.5	57.3	43.5	29.2	29.2
1-2 AM	273	0.0	30	0.0	1500	273	0	30	0.45	0	65.9	57.9	44.4	29.5	29.5
2-3 AM	177	0.0	20	0.0	1500	177	0	20	0.44	0	66.1	58.2	44.8	29.6	29.6
3-4 AM	167	0.0	19	0.0	1500	167	0	19	0.44	0	66.1	58.2	44.8	29.6	29.6
4-5 AM	234	0.0	26	0.0	1500	234	0	26	0.45	0	66.0	58.1	44.5	29.6	29.6
5-6 AM	392	0.0	44	0.0	1500	392	0	44	0.46	0	65.6	57.6	43.9	29.4	29.4
6-7 AM	543	0.0	61	0.0	1500	543	0	61	0.48	0	65.4	57.1	43.3	29.2	29.2
7-8 AM	868	0.0	98	0.0	1500	868	0	98	0.51	0	64.8	56.2	42.2	28.9	28.9
8-9 AM	1246	0.0	140	0.0	1499	1246	0	140	0.69	0	64.1	53.2	37.3	28.5	28.5
9-10 AM	1781	0.0	201	0.0	1499	1781	0	201	4.30	111	63.1	27.9	30.8	27.9	27.9
10-11 AM	2176	0.0	245	0.0	1500	1834	343	588	19.09	501	62.3	10.2	30.8	27.5	24.6
11A-NOON	2253	0.0	254	0.0	1499	1535	718	972	24.23	628	62.2	9.0	30.8	27.4	21.3
NOON-1PM	2492	0.0	282	0.0	1500	1603	889	1171	27.04	707	61.0	8.6	30.8	27.1	19.6
1-2 PM	2535	0.0	286	0.0	1500	1521	1015	1301+	29.22	766	60.5	8.3	30.8	27.1	18.6
2-3 PM	2460	0.0	277	0.0	1500	1443	1017	1294+	29.17	763	61.3	8.3	30.8	27.2	18.6
3-4 PM	1789	0.0	202	0.0	1499	1287	502	704	21.19	547	63.0	9.6	30.8	27.9	23.6
4-5 PM	2969	0.0	335	0.0	1500	1990	978	1313+	29.44	791	56.1	8.3	30.8	26.6	18.5
5-6 PM	2442	0.0	275	0.0	1499	1238	1204	1479+	33.18	873	61.5	7.9	30.8	27.2	17.1
6-7 PM	1963	0.0	221	0.0	1499	1283	680	900	23.42	608	62.7	9.2	30.8	27.7	21.9
7-8 PM	1599	0.0	180	0.0	1500	1414	185	365	18.06	460	63.4	10.4	30.8	28.1	26.5
8-9 PM	1502	0.0	170	0.0	1500	1479	22	192	16.71	423	63.6	10.8	30.8	28.2	28.0
9-10 PM	1352	0.0	153	0.0	1499	1352	0	153	13.77	347	63.8	12.6	30.8	28.4	28.4
10-11 PM	1130	0.0	128	0.0	1499	1130	0	128	3.15	104	64.3	33.2	36.6	28.6	28.6
11PM-MID	886	0.0	100	0.0	1500	886	0	100	0.51	0	64.7	56.1	42.1	28.9	28.9

+ 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	0.0193
MAIN ROUTE WITH WORKS	0.0133
DIVERSION	0.1254

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$200,887
CONGESTED HOURS PER DAY*	11

*Delays Exceeding 15 Minutes

IH 94: STH 67 TO CTH C (WAUKESHA COUNTY)
CONTINUOUS (24 HOUR) CLOSURE
DIVERSION ROUTE: STH 67 - USH 18 - CTH C

AUGUST
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SATURDAY EASTBOUND DIRECTION

