

IH 94: STH 67 TO CTH C (WAUKESHA COUNTY) CONTINUOUS (24 HOUR) CLOSURE DIVERSION ROUTE: STH 67 - USH 18 - CTH C	OCTOBER
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

SUNDAY 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	41	0.0	1500	358	0	41	0.46	0	65.7	57.7	44.0	29.4	29.4
1-2 AM	189	0.0	21	0.0	1500	189	0	21	0.44	0	66.0	58.2	44.7	29.6	29.6
2-3 AM	146	0.0	17	0.0	1500	146	0	17	0.44	0	66.1	58.3	44.9	29.6	29.6
3-4 AM	86	0.0	9	0.0	1500	86	0	9	0.43	0	66.2	58.5	45.1	29.7	29.7
4-5 AM	111	0.0	13	0.0	1500	111	0	13	0.43	0	66.2	58.4	45.0	29.7	29.7
5-6 AM	203	0.0	23	0.0	1500	203	0	23	0.44	0	66.0	58.1	44.6	29.6	29.6
6-7 AM	403	0.0	45	0.0	1500	403	0	45	0.46	0	65.6	57.6	43.9	29.4	29.4
7-8 AM	647	0.0	73	0.0	1500	647	0	73	0.49	0	65.2	56.8	43.0	29.1	29.1
8-9 AM	984	0.0	111	0.0	1500	984	0	111	0.52	0	64.5	55.9	41.7	28.8	28.8
9-10 AM	1284	0.0	144	0.0	1499	1284	0	144	0.74	0	64.0	52.5	36.1	28.4	28.4
10-11 AM	1740	0.0	197	0.0	1499	1740	0	197	3.87	94	63.2	29.6	30.8	27.9	27.9
11A-NOON	2089	0.0	235	0.0	1500	1840	248	484	17.61	464	62.5	10.7	30.8	27.6	25.5
NOON-1PM	2080	0.0	234	0.0	1499	1499	582	816	22.32	576	62.5	9.4	30.8	27.6	22.6
1-2 PM	2185	0.0	246	0.0	1500	1527	658	904	23.36	604	62.3	9.2	30.8	27.4	21.9
2-3 PM	1857	0.0	209	0.0	1499	1403	454	664	20.72	532	62.9	9.7	30.8	27.8	23.9
3-4 PM	2216	0.0	250	0.0	1500	1622	595	845	22.66	586	62.3	9.3	30.8	27.4	22.4
4-5 PM	2131	0.0	241	0.0	1499	1451	680	921	23.58	610	62.4	9.1	30.8	27.5	21.7
5-6 PM	1769	0.0	200	0.0	1499	1383	387	586	19.99	513	63.1	9.9	30.8	27.9	24.6
6-7 PM	1419	0.0	160	0.0	1500	1375	43	203	16.14	409	63.7	11.1	30.8	28.3	27.9
7-8 PM	1091	0.0	123	0.0	1499	1091	0	123	4.69	161	64.3	26.8	36.1	28.6	28.6
8-9 PM	735	0.0	83	0.0	1500	735	0	83	0.49	0	65.0	56.6	42.6	29.0	29.0
9-10 PM	663	0.0	74	0.0	1500	663	0	74	0.49	0	65.1	56.8	42.9	29.1	29.1
10-11 PM	480	0.0	54	0.0	1500	480	0	54	0.47	0	65.5	57.3	43.6	29.3	29.3
11PM-MID	328	0.0	37	0.0	1500	328	0	37	0.45	0	65.8	57.8	44.2	29.4	29.4

----- 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	0.0144
MAIN ROUTE WITH WORKS	0.0109
DIVERSION	0.0717

PIA: Personal Injury Accidents

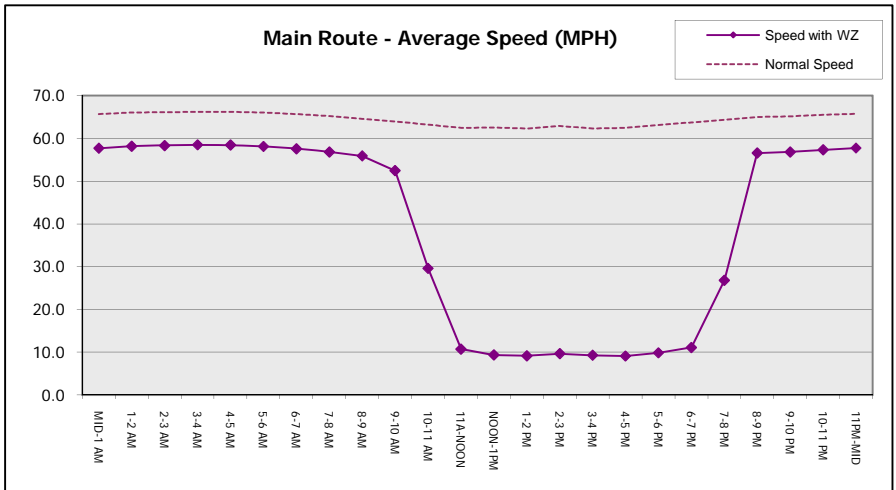
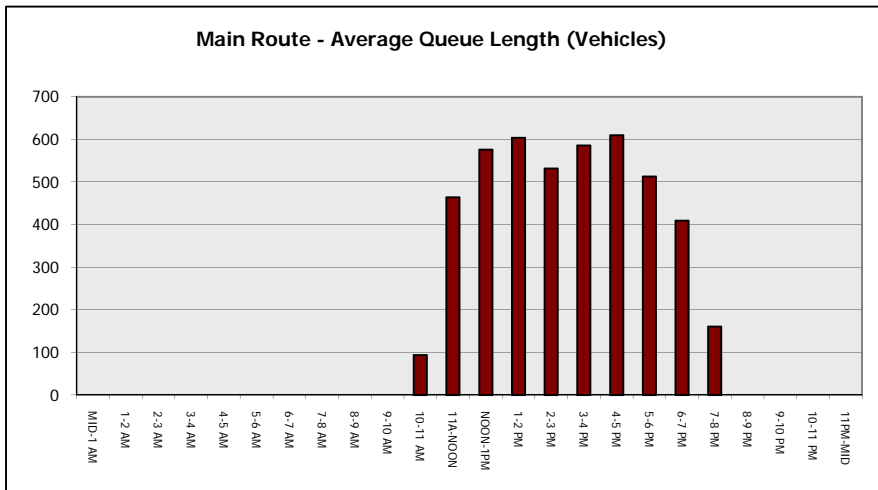
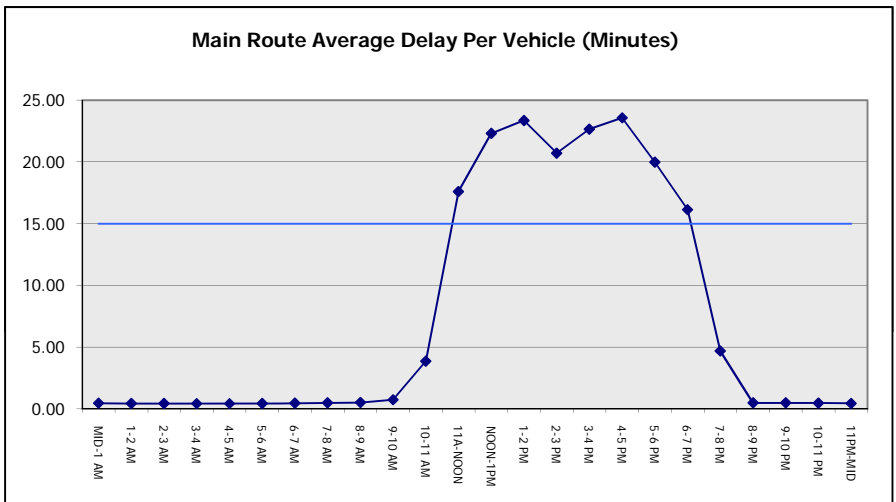
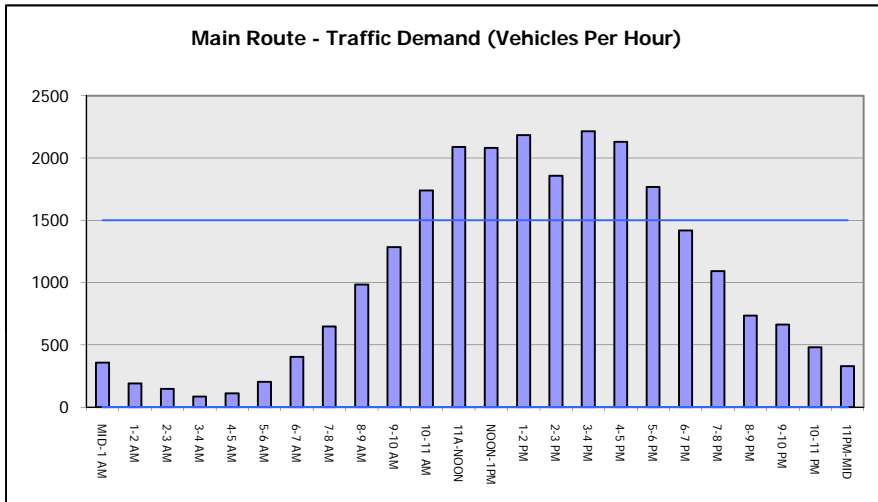
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$107,806
CONGESTED HOURS PER DAY*	8

*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

OCTOBER
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY WESTBOUND DIRECTION



IH 94: STH 67 TO CTH C (WAUKESHA COUNTY) CONTINUOUS (24 HOUR) CLOSURE DIVERSION ROUTE: STH 67 - USH 18 - CTH C	OCTOBER
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

SUNDAY 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	335	0.0	38	0.0	1500	335	0	38	0.45	0	65.8	57.8	44.2	29.4	29.4
1-2 AM	207	0.0	23	0.0	1500	207	0	23	0.44	0	66.0	58.1	44.6	29.6	29.6
2-3 AM	144	0.0	17	0.0	1500	144	0	17	0.44	0	66.1	58.3	44.9	29.6	29.6
3-4 AM	117	0.0	14	0.0	1500	117	0	14	0.43	0	66.1	58.4	45.0	29.7	29.7
4-5 AM	166	0.0	19	0.0	1500	166	0	19	0.44	0	66.1	58.2	44.8	29.6	29.6
5-6 AM	202	0.0	23	0.0	1500	202	0	23	0.44	0	66.0	58.1	44.6	29.6	29.6
6-7 AM	331	0.0	38	0.0	1500	331	0	38	0.45	0	65.8	57.8	44.2	29.4	29.4
7-8 AM	466	0.0	52	0.0	1500	466	0	52	0.47	0	65.5	57.4	43.7	29.3	29.3
8-9 AM	883	0.0	99	0.0	1500	883	0	99	0.51	0	64.8	56.2	42.1	28.9	28.9
9-10 AM	1300	0.0	146	0.0	1499	1300	0	146	0.76	0	64.0	52.2	35.8	28.4	28.4
10-11 AM	1808	0.0	204	0.0	1499	1808	0	204	4.65	123	63.0	26.7	30.8	27.9	27.9
11A-NOON	2263	0.0	255	0.0	1499	1836	428	683	20.40	534	62.2	9.9	30.8	27.4	23.8
NOON-1PM	2210	0.0	249	0.0	1499	1478	732	981	24.35	631	62.3	9.0	30.8	27.4	21.2
1-2 PM	2188	0.0	247	0.0	1500	1496	692	939	23.80	616	62.3	9.1	30.8	27.4	21.5
2-3 PM	2285	0.0	257	0.0	1500	1548	737	995	24.52	636	62.1	8.9	30.8	27.4	21.1
3-4 PM	2615	0.0	295	0.0	1500	1658	957	1252+	28.32	745	59.7	8.4	30.8	27.0	19.0
4-5 PM	2900	0.0	326	0.0	1500	1670	1229	1556+	34.59	922	56.8	7.8	30.8	26.7	16.5
5-6 PM	2653	0.0	299	0.0	1500	1366	1287	1586+	35.71	945	59.3	7.7	30.8	27.0	16.1
6-7 PM	2032	0.0	229	0.0	1500	1175	857	1086	25.99	680	62.6	8.8	30.8	27.6	20.4
7-8 PM	1558	0.0	176	0.0	1500	1374	184	360	17.99	459	63.5	10.4	30.8	28.1	26.5
8-9 PM	1226	0.0	138	0.0	1499	1226	0	138	11.28	294	64.1	14.7	31.8	28.5	28.5
9-10 PM	841	0.0	95	0.0	1500	841	0	95	0.87	15	64.8	51.4	42.2	28.9	28.9
10-11 PM	521	0.0	59	0.0	1500	521	0	59	0.47	0	65.4	57.2	43.4	29.2	29.2
11PM-MID	324	0.0	37	0.0	1500	324	0	37	0.45	0	65.8	57.8	44.2	29.4	29.4

+ 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	0.0169
MAIN ROUTE WITH WORKS	0.0114
DIVERSION	0.1153

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$181,441
CONGESTED HOURS PER DAY*	9

*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**

OCTOBER
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY EASTBOUND DIRECTION

