

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

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		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	379	0.0	43	0.0	1500	379	0	43	0.46	0	65.7	57.6	44.0	29.4	29.4
1-2 AM	218	0.0	24	0.0	1500	218	0	24	0.44	0	66.0	58.1	44.6	29.6	29.6
2-3 AM	196	0.0	22	0.0	1500	196	0	22	0.44	0	66.0	58.2	44.7	29.6	29.6
3-4 AM	195	0.0	22	0.0	1500	195	0	22	0.44	0	66.0	58.2	44.7	29.6	29.6
4-5 AM	240	0.0	27	0.0	1500	240	0	27	0.45	0	66.0	58.1	44.5	29.6	29.6
5-6 AM	462	0.0	52	0.0	1500	462	0	52	0.47	0	65.5	57.4	43.7	29.3	29.3
6-7 AM	992	0.0	112	0.0	1499	992	0	112	0.59	0	64.5	54.9	39.9	28.8	28.8
7-8 AM	2437	0.0	275	0.0	1499	2229	208	483	10.77	349	61.5	15.8	30.8	27.2	25.5
8-9 AM	3795	0.0	428	0.0	1125	1251	2544	2972+	50.79	1019	47.6	5.7	36.8	25.8	15.3
9-10 AM	2414	0.0	272	0.0	750	381	2033	2305+	44.27	575	61.8	5.1	42.6	27.2	14.1
10-11 AM	2139	0.0	241	0.0	1395	1489	650	891	23.11	549	62.4	8.9	32.4	27.5	21.8
11A-NOON	2036	0.0	229	0.0	1499	1484	552	782	21.94	565	62.6	9.4	30.8	27.6	22.9
NOON-1PM	2193	0.0	247	0.0	1500	1554	639	886	23.14	598	62.3	9.2	30.8	27.4	22.0
1-2 PM	2107	0.0	238	0.0	1499	1468	640	877	23.04	595	62.5	9.3	30.8	27.6	22.1
2-3 PM	2148	0.0	242	0.0	1500	1519	629	871	22.96	593	62.4	9.3	30.8	27.5	22.2
3-4 PM	2258	0.0	254	0.0	1500	1536	722	977	24.29	630	62.2	9.0	30.8	27.4	21.2
4-5 PM	2107	0.0	238	0.0	1499	1432	675	913	23.48	608	62.5	9.1	30.8	27.6	21.8
5-6 PM	1772	0.0	200	0.0	1499	1396	376	576	19.88	510	63.1	9.9	30.8	27.9	24.7
6-7 PM	1511	0.0	171	0.0	1500	1431	80	250	17.08	433	63.6	10.7	30.8	28.2	27.5
7-8 PM	1200	0.0	135	0.0	1499	1200	0	135	10.12	268	64.1	16.0	32.3	28.5	28.5
8-9 PM	909	0.0	103	0.0	1500	909	0	103	0.74	8	64.7	53.0	42.0	28.8	28.8
9-10 PM	910	0.0	103	0.0	1500	910	0	103	0.51	0	64.7	56.1	42.0	28.8	28.8
10-11 PM	916	0.0	104	0.0	1500	916	0	104	0.51	0	64.7	56.1	42.0	28.8	28.8
11PM-MID	558	0.0	63	0.0	1500	558	0	63	0.48	0	65.3	57.1	43.3	29.2	29.2

+ 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	0.0195
MAIN ROUTE WITH WORKS	0.0123
DIVERSION	0.1501

PIA: Personal Injury Accidents

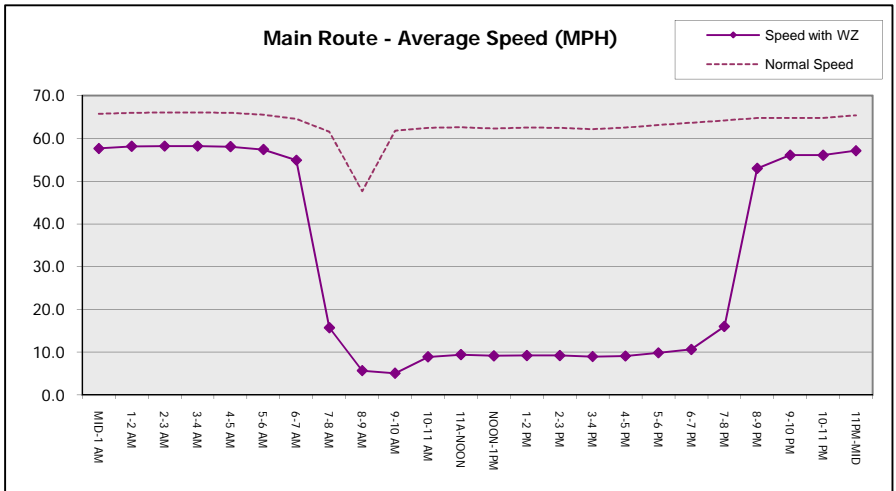
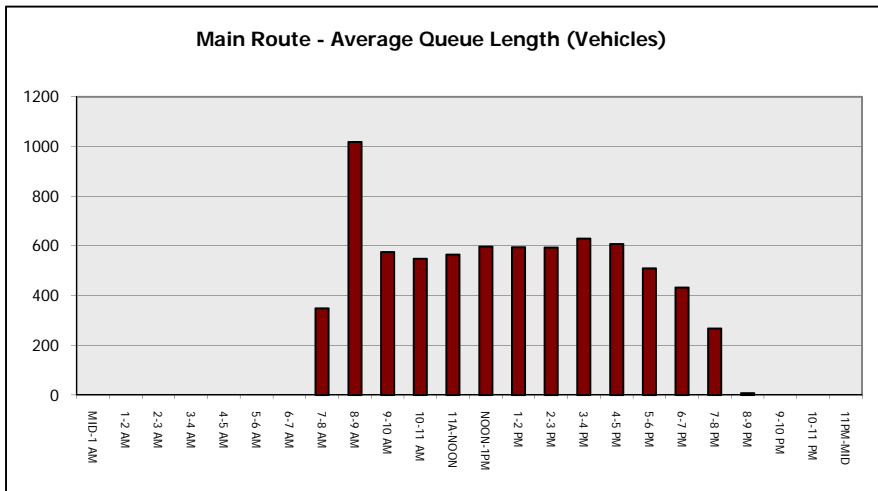
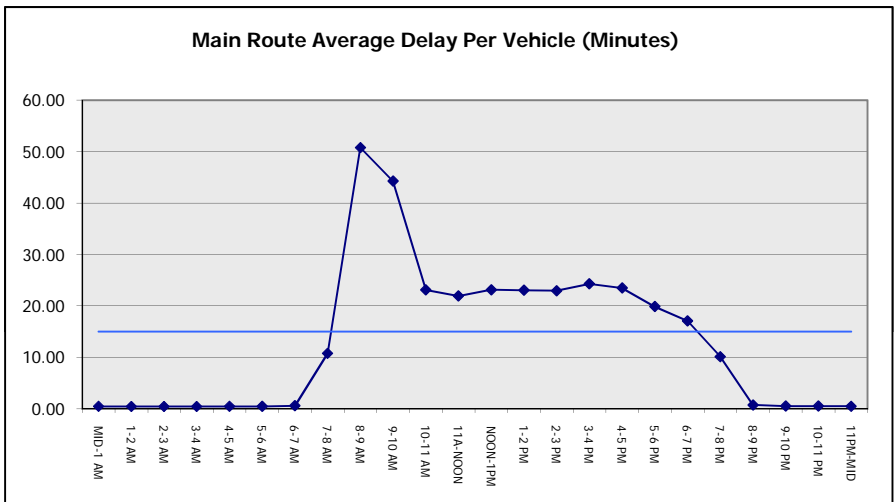
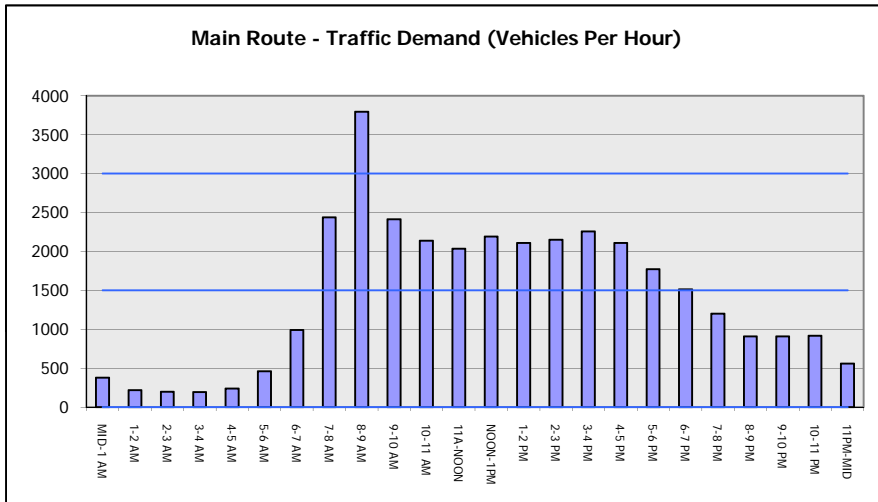
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$225,222
CONGESTED HOURS PER DAY*	11

*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

OCTOBER
 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	OCTOBER
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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	322	0.0	37	0.0	1500	322	0	37	0.45	0	65.8	57.8	44.2	29.4	29.4
1-2 AM	200	0.0	23	0.0	1500	200	0	23	0.44	0	66.0	58.1	44.7	29.6	29.6
2-3 AM	176	0.0	20	0.0	1500	176	0	20	0.44	0	66.1	58.2	44.8	29.6	29.6
3-4 AM	141	0.0	16	0.0	1500	141	0	16	0.44	0	66.1	58.3	44.9	29.7	29.7
4-5 AM	220	0.0	25	0.0	1500	220	0	25	0.44	0	66.0	58.1	44.6	29.6	29.6
5-6 AM	370	0.0	42	0.0	1500	370	0	42	0.46	0	65.7	57.6	44.0	29.4	29.4
6-7 AM	659	0.0	74	0.0	1500	659	0	74	0.49	0	65.1	56.8	42.9	29.1	29.1
7-8 AM	881	0.0	99	0.0	1500	881	0	99	0.51	0	64.8	56.2	42.1	28.9	28.9
8-9 AM	1271	0.0	143	0.0	1499	1271	0	143	0.73	0	64.0	52.7	36.5	28.4	28.4
9-10 AM	1601	0.0	180	0.0	1499	1601	0	180	2.07	32	63.4	39.4	30.8	28.1	28.1
10-11 AM	1842	0.0	207	0.0	1500	1842	0	207	9.81	260	63.0	16.3	30.8	27.8	27.8
11A-NOON	1968	0.0	222	0.0	1499	1602	366	588	19.97	513	62.7	9.9	30.8	27.7	24.6
NOON-1PM	2076	0.0	234	0.0	1500	1532	544	778	21.90	564	62.5	9.4	30.8	27.6	22.9
1-2 PM	2075	0.0	234	0.0	1499	1498	577	811	22.27	574	62.5	9.4	30.8	27.6	22.7
2-3 PM	2114	0.0	239	0.0	1499	1539	575	814	22.30	575	62.5	9.4	30.8	27.6	22.7
3-4 PM	2955	0.0	333	0.0	1500	1904	1051	1384+	30.73	822	56.2	8.1	30.8	26.6	17.9
4-5 PM	3275	0.0	369	0.0	1499	1505	1770	2139+	39.17	1057	53.0	7.4	30.8	26.3	15.0
5-6 PM	2942	0.0	332	0.0	1499	1492	1450	1782+	39.03	1043	56.4	7.4	30.8	26.6	15.2
6-7 PM	2285	0.0	257	0.0	1499	1129	1156	1413+	31.87	839	62.1	8.1	30.8	27.4	17.6
7-8 PM	1573	0.0	177	0.0	1499	1257	316	492	19.12	492	63.5	10.1	30.8	28.1	25.4
8-9 PM	1190	0.0	134	0.0	1499	1190	0	134	9.88	263	64.1	16.3	32.4	28.6	28.6
9-10 PM	1054	0.0	119	0.0	1500	1054	0	119	0.82	10	64.4	51.7	40.9	28.7	28.7
10-11 PM	739	0.0	84	0.0	1500	739	0	84	0.49	0	65.0	56.6	42.6	29.0	29.0
11PM-MID	538	0.0	61	0.0	1500	538	0	61	0.47	0	65.4	57.1	43.3	29.2	29.2

+ 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	0.0186
MAIN ROUTE WITH WORKS	0.0125
DIVERSION	0.1266

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$195,944
CONGESTED HOURS PER DAY*	9

*Delays Exceeding 15 Minutes

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 CONTINUOUS (24 HOUR) CLOSURE
 DIVERSION ROUTE: STH 67 - USH 18 - CTH C**

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 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SATURDAY EASTBOUND DIRECTION

