

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

MON-THUR 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	227	0.0	25	0.0	1500	227	0	25	0.44	0	66.0	58.1	44.6	29.6	29.6
1-2 AM	157	0.0	18	0.0	1500	157	0	18	0.44	0	66.1	58.2	44.8	29.6	29.6
2-3 AM	128	0.0	15	0.0	1500	128	0	15	0.43	0	66.1	58.4	45.0	29.7	29.7
3-4 AM	177	0.0	20	0.0	1500	177	0	20	0.44	0	66.1	58.2	44.8	29.6	29.6
4-5 AM	301	0.0	35	0.0	1500	301	0	35	0.45	0	65.8	57.9	44.3	29.5	29.5
5-6 AM	660	0.0	74	0.0	1500	660	0	74	0.49	0	65.1	56.8	42.9	29.1	29.1
6-7 AM	1483	0.0	167	0.0	1499	1483	0	167	1.46	18	63.7	44.5	32.9	28.2	28.2
7-8 AM	1989	0.0	224	0.0	1500	1948	41	265	10.69	298	62.7	15.4	30.8	27.7	27.3
8-9 AM	1928	0.0	218	0.0	1499	1493	435	653	20.59	529	62.8	9.7	30.8	27.8	24.0
9-10 AM	1592	0.0	180	0.0	1499	1415	176	356	18.00	458	63.4	10.4	30.8	28.1	26.6
10-11 AM	1551	0.0	175	0.0	1500	1502	49	223	16.98	430	63.5	10.7	30.8	28.1	27.8
11A-NOON	1672	0.0	188	0.0	1500	1533	139	328	17.75	451	63.3	10.5	30.8	28.0	26.8
NOON-1PM	1821	0.0	205	0.0	1500	1536	285	490	19.08	488	63.0	10.1	30.8	27.9	25.4
1-2 PM	1850	0.0	208	0.0	1499	1515	335	543	19.55	500	63.0	10.0	30.8	27.8	25.0
2-3 PM	2243	0.0	253	0.0	1500	1646	597	850	22.73	589	62.2	9.3	30.8	27.4	22.4
3-4 PM	2833	0.0	319	0.0	1500	1789	1043	1363+	30.28	805	57.5	8.2	30.8	26.8	18.1
4-5 PM	3302	0.0	373	0.0	1499	1537	1765	2138+	38.84	1049	52.7	7.4	30.8	26.3	15.1
5-6 PM	3173	0.0	358	0.0	1499	1512	1661	2019+	39.23	1055	54.0	7.4	30.8	26.4	15.0
6-7 PM	2055	0.0	231	0.0	1499	1022	1033	1265+	29.10	767	62.5	8.4	30.8	27.6	18.9
7-8 PM	1302	0.0	146	0.0	1499	1217	85	232	14.96	385	64.0	11.9	30.9	28.4	27.7
8-9 PM	1019	0.0	115	0.0	1499	1019	0	115	2.03	66	64.5	40.1	39.1	28.7	28.7
9-10 PM	882	0.0	99	0.0	1500	882	0	99	0.51	0	64.8	56.2	42.1	28.9	28.9
10-11 PM	631	0.0	71	0.0	1500	631	0	71	0.48	0	65.2	56.9	43.0	29.1	29.1
11PM-MID	424	0.0	48	0.0	1500	424	0	48	0.46	0	65.6	57.5	43.8	29.4	29.4

+ 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	0.0191
MAIN ROUTE WITH WORKS	0.0130
DIVERSION	0.1260

PIA: Personal Injury Accidents

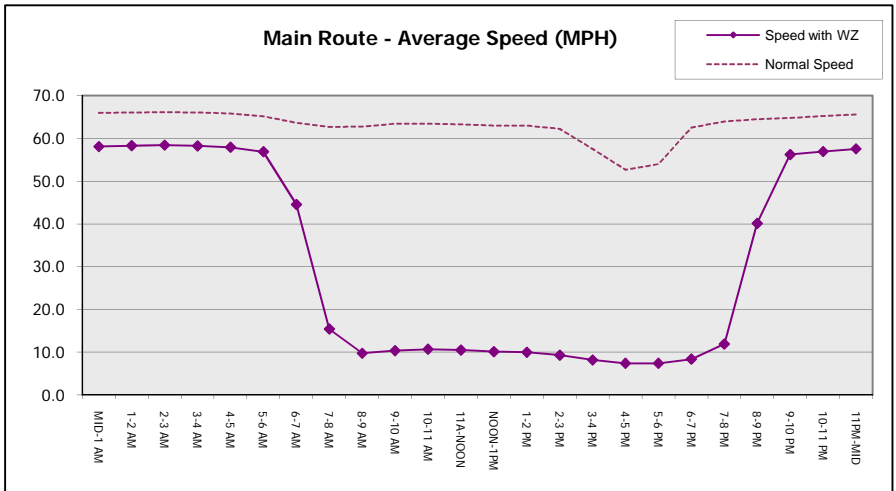
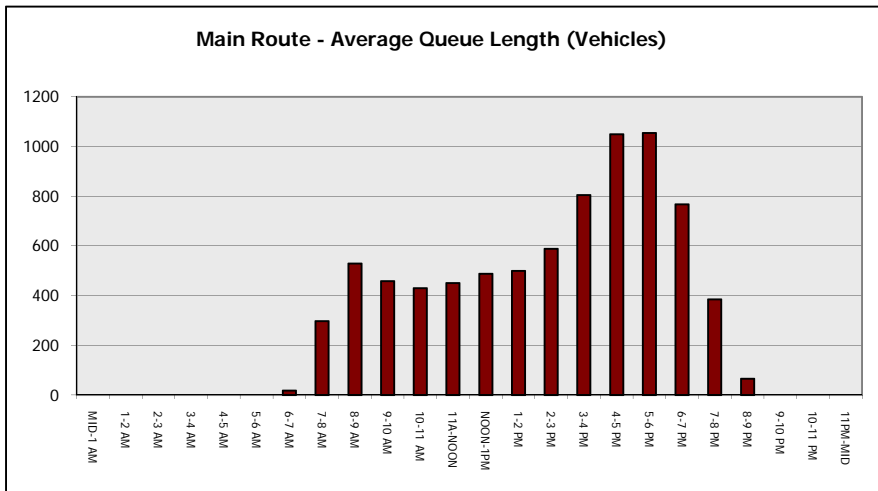
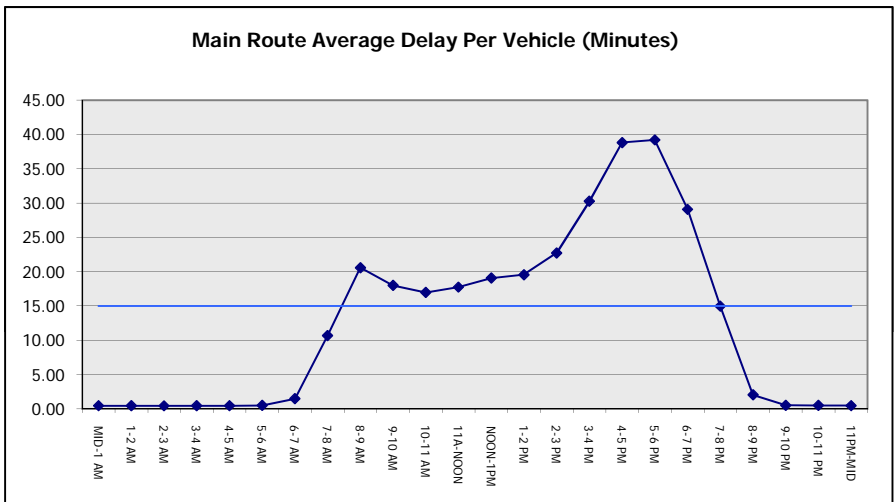
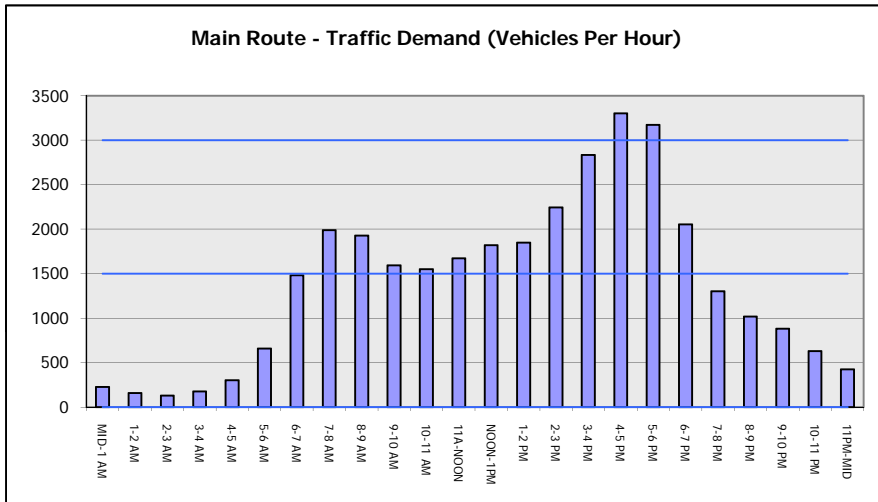
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$169,464
CONGESTED HOURS PER DAY*	11

*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
MON-THUR 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

MON-THUR 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	165	0.0	19	0.0	1500	165	0	19	0.44	0	66.1	58.2	44.8	29.6	29.6
1-2 AM	142	0.0	16	0.0	1500	142	0	16	0.44	0	66.1	58.3	44.9	29.7	29.7
2-3 AM	139	0.0	16	0.0	1500	139	0	16	0.44	0	66.1	58.3	44.9	29.7	29.7
3-4 AM	160	0.0	18	0.0	1500	160	0	18	0.44	0	66.1	58.2	44.8	29.6	29.6
4-5 AM	428	0.0	48	0.0	1500	428	0	48	0.46	0	65.6	57.5	43.8	29.4	29.4
5-6 AM	1178	0.0	133	0.0	1499	1178	0	133	0.71	0	64.2	52.9	37.0	28.6	28.6
6-7 AM	2514	0.0	284	0.0	1499	2251	264	547	12.52	390	60.7	14.2	30.8	27.1	25.0
7-8 AM	3394	0.0	383	0.0	1500	1767	1627	2010+	36.57	992	51.7	7.6	30.8	26.1	15.7
8-9 AM	2607	0.0	294	0.0	1500	1303	1303	1597+	36.11	956	59.8	7.6	30.8	27.0	16.1
9-10 AM	1886	0.0	212	0.0	1500	1170	716	928	23.86	623	62.8	9.1	30.8	27.8	21.7
10-11 AM	1631	0.0	184	0.0	1500	1452	179	363	18.04	459	63.3	10.4	30.8	28.1	26.5
11A-NOON	1649	0.0	186	0.0	1500	1512	137	324	17.72	450	63.3	10.5	30.8	28.1	26.9
NOON-1PM	1692	0.0	190	0.0	1500	1512	180	371	18.09	460	63.2	10.4	30.8	28.0	26.5
1-2 PM	1768	0.0	199	0.0	1500	1521	247	446	18.70	477	63.1	10.2	30.8	27.9	25.8
2-3 PM	1888	0.0	212	0.0	1500	1535	352	565	19.75	506	62.8	9.9	30.8	27.8	24.8
3-4 PM	2054	0.0	231	0.0	1500	1553	501	732	21.40	551	62.5	9.6	30.8	27.6	23.3
4-5 PM	2228	0.0	251	0.0	1500	1559	669	920	23.56	610	62.2	9.1	30.8	27.4	21.7
5-6 PM	2261	0.0	255	0.0	1500	1488	774	1029	24.99	649	62.2	8.9	30.8	27.4	20.8
6-7 PM	1552	0.0	175	0.0	1499	1262	290	465	18.76	483	63.5	10.2	30.8	28.1	25.6
7-8 PM	963	0.0	109	0.0	1499	963	0	109	3.89	157	64.6	29.8	37.7	28.8	28.8
8-9 PM	831	0.0	93	0.0	1500	831	0	93	0.50	0	64.8	56.3	42.3	28.9	28.9
9-10 PM	730	0.0	83	0.0	1500	730	0	83	0.49	0	65.0	56.6	42.7	29.0	29.0
10-11 PM	558	0.0	63	0.0	1500	558	0	63	0.48	0	65.3	57.1	43.3	29.2	29.2
11PM-MID	341	0.0	39	0.0	1500	341	0	39	0.46	0	65.8	57.8	44.1	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	0.0188
MAIN ROUTE WITH WORKS	0.0129
DIVERSION	0.1207

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$157,547
CONGESTED HOURS PER DAY*	12

*Delays Exceeding 15 Minutes

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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
MON-THUR EASTBOUND DIRECTION

