

IH 94: STH 67 TO CTH C (WAUKESHA COUNTY) OFF-PEAK DAY 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	OFF	227	0	25	0.00	0	66.0	66.0	66.0	29.6	29.6
1-2 AM	157	0.0	18	0.0	OFF	157	0	18	0.00	0	66.1	66.1	66.1	29.6	29.6
2-3 AM	128	0.0	15	0.0	OFF	128	0	15	0.00	0	66.1	66.1	66.1	29.7	29.7
3-4 AM	177	0.0	20	0.0	OFF	177	0	20	0.00	0	66.1	66.1	66.1	29.6	29.6
4-5 AM	301	0.0	35	0.0	OFF	301	0	35	0.00	0	65.8	65.8	65.8	29.5	29.5
5-6 AM	660	0.0	74	0.0	OFF	660	0	74	0.00	0	65.1	65.1	65.1	29.1	29.1
6-7 AM	1483	0.0	167	0.0	OFF	1483	0	167	0.00	0	63.7	63.7	63.7	28.2	28.2
7-8 AM	1989	0.0	224	0.0	OFF	1989	0	224	0.00	0	62.7	62.7	62.7	27.7	27.7
8-9 AM	1928	0.0	218	0.0	OFF	1928	0	218	0.00	0	62.8	62.8	62.8	27.8	27.8
9-10 AM	1592	0.0	180	0.0	1499	1592	0	180	3.04	57	63.4	33.5	30.8	28.1	28.1
10-11 AM	1551	0.0	175	0.0	1499	1551	0	175	5.23	114	63.5	25.0	30.8	28.1	28.1
11A-NOON	1672	0.0	188	0.0	1500	1672	0	188	8.92	219	63.3	17.5	30.8	28.0	28.0
NOON-1PM	1821	0.0	205	0.0	1500	1684	136	341	17.03	437	63.0	10.8	30.8	27.9	26.7
1-2 PM	1850	0.0	208	0.0	1499	1518	332	541	19.53	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	OFF	3302	0	373	9.69	603	52.7	15.6	15.6	26.3	26.3
5-6 PM	3173	0.0	358	0.0	OFF	3173	0	358	0.79	39	54.0	45.1	45.1	26.4	26.4
6-7 PM	2055	0.0	231	0.0	OFF	2055	0	231	0.00	0	62.5	62.5	62.5	27.6	27.6
7-8 PM	1302	0.0	146	0.0	OFF	1302	0	146	0.00	0	64.0	64.0	64.0	28.4	28.4
8-9 PM	1019	0.0	115	0.0	OFF	1019	0	115	0.00	0	64.5	64.5	64.5	28.7	28.7
9-10 PM	882	0.0	99	0.0	OFF	882	0	99	0.00	0	64.8	64.8	64.8	28.9	28.9
10-11 PM	631	0.0	71	0.0	OFF	631	0	71	0.00	0	65.2	65.2	65.2	29.1	29.1
11PM-MID	424	0.0	48	0.0	OFF	424	0	48	0.00	0	65.6	65.6	65.6	29.4	29.4

"OFF" INDICATES NO ROAD WORK (ALL LANES OPEN TO TRAFFIC)

+ 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	0.0191
MAIN ROUTE WITH WORKS	0.0172
DIVERSION	0.0649

PIA: Personal Injury Accidents

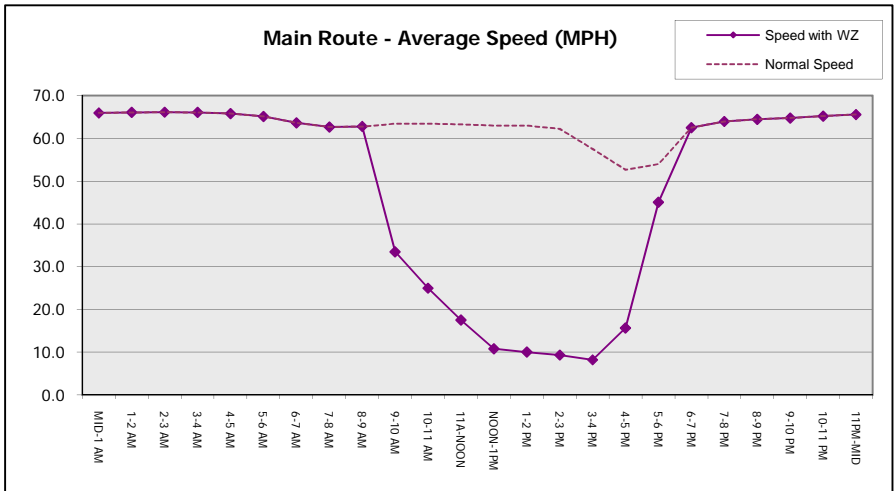
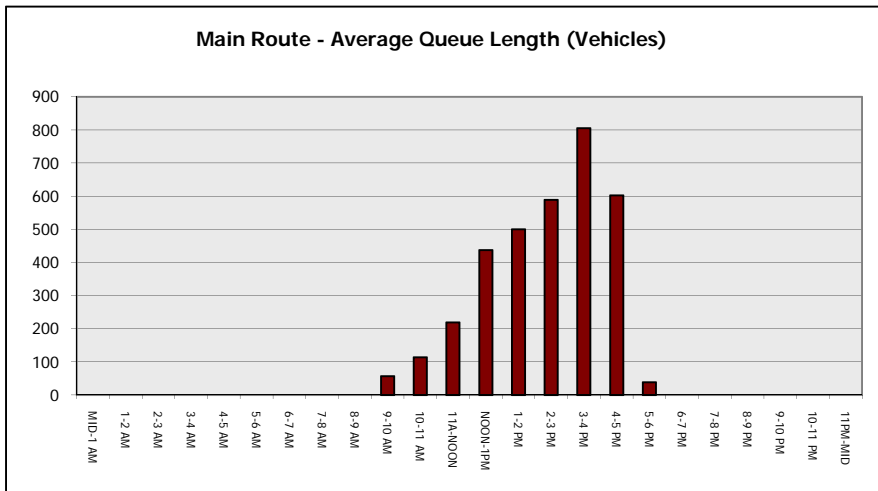
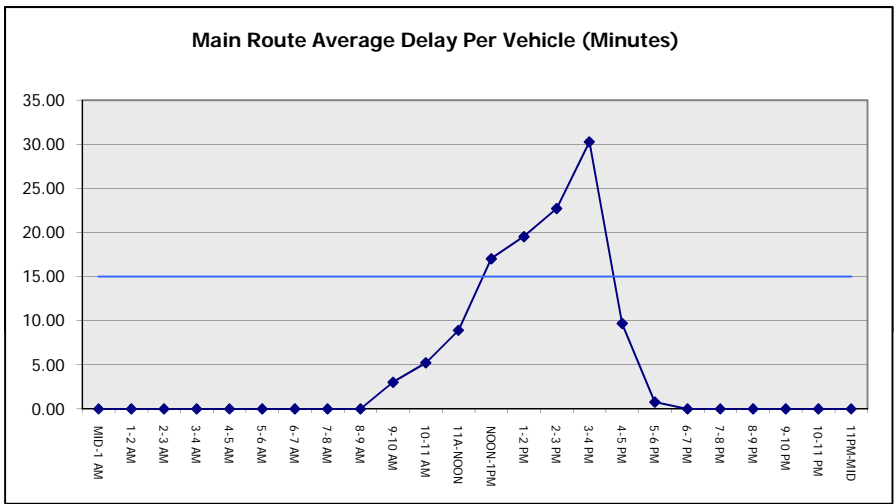
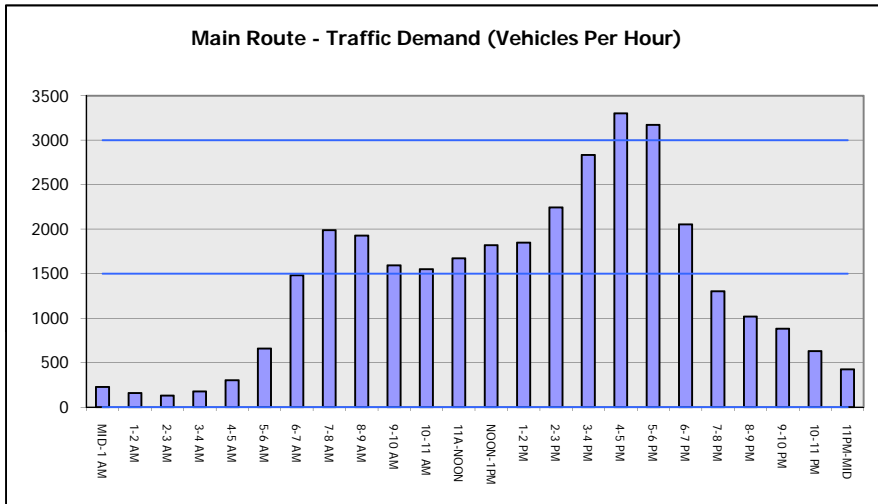
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$55,993
CONGESTED HOURS PER DAY*	4

*Delays Exceeding 15 Minutes

IH 94: STH 67 TO CTH C (WAUKESHA COUNTY)
OFF-PEAK DAY CLOSURE
DIVERSION ROUTE: STH 67 - USH 18 - CTH C

OCTOBER
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 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
MON-THUR WESTBOUND DIRECTION



IH 94: STH 67 TO CTH C (WAUKESHA COUNTY) OFF-PEAK DAY CLOSURE DIVERSION ROUTE: STH 67 - USH 18 - CTH C	OCTOBER
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SUMMARY OF TRAFFIC MODEL OUTPUT	
MON-THUR	EASTBOUND DIRECTION

TIME OF DAY	FLOWS AND CAPACITY IN VEH/HR							AVERAGE SPEEDS IN MPH			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		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	165	0.0	19	0.0	OFF	165	0	19	0.00	0	66.1	66.1	66.1	29.6	29.6
1-2 AM	142	0.0	16	0.0	OFF	142	0	16	0.00	0	66.1	66.1	66.1	29.7	29.7
2-3 AM	139	0.0	16	0.0	OFF	139	0	16	0.00	0	66.1	66.1	66.1	29.7	29.7
3-4 AM	160	0.0	18	0.0	OFF	160	0	18	0.00	0	66.1	66.1	66.1	29.6	29.6
4-5 AM	428	0.0	48	0.0	OFF	428	0	48	0.00	0	65.6	65.6	65.6	29.4	29.4
5-6 AM	1178	0.0	133	0.0	OFF	1178	0	133	0.00	0	64.2	64.2	64.2	28.6	28.6
6-7 AM	2514	0.0	284	0.0	OFF	2514	0	284	0.00	0	60.7	60.7	60.7	27.1	27.1
7-8 AM	3394	0.0	383	0.0	OFF	3394	0	383	0.00	0	51.7	51.7	51.7	26.1	26.1
8-9 AM	2607	0.0	294	0.0	OFF	2607	0	294	0.00	0	59.8	59.8	59.8	27.0	27.0
9-10 AM	1886	0.0	212	0.0	1499	1886	0	212	8.25	223	62.8	18.4	30.8	27.8	27.8
10-11 AM	1631	0.0	184	0.0	1499	1557	74	258	17.06	433	63.3	10.7	30.8	28.1	27.4
11A-NOON	1649	0.0	186	0.0	1500	1512	137	323	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	OFF	2228	0	251	1.67	93	62.2	42.0	42.0	27.4	27.4
5-6 PM	2261	0.0	255	0.0	OFF	2261	0	255	0.00	0	62.2	62.2	62.2	27.4	27.4
6-7 PM	1552	0.0	175	0.0	OFF	1552	0	175	0.00	0	63.5	63.5	63.5	28.1	28.1
7-8 PM	963	0.0	109	0.0	OFF	963	0	109	0.00	0	64.6	64.6	64.6	28.8	28.8
8-9 PM	831	0.0	93	0.0	OFF	831	0	93	0.00	0	64.8	64.8	64.8	28.9	28.9
9-10 PM	730	0.0	83	0.0	OFF	730	0	83	0.00	0	65.0	65.0	65.0	29.0	29.0
10-11 PM	558	0.0	63	0.0	OFF	558	0	63	0.00	0	65.3	65.3	65.3	29.2	29.2
11PM-MID	341	0.0	39	0.0	OFF	341	0	39	0.00	0	65.8	65.8	65.8	29.4	29.4

"OFF" INDICATES NO ROAD WORK (ALL LANES OPEN TO TRAFFIC)

----- 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	0.0172
DIVERSION	0.0573

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$46,522
CONGESTED HOURS PER DAY*	6

*Delays Exceeding 15 Minutes

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OFF-PEAK DAY 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

