

IH 94: STH 67 TO CTH C (WAUKESHA COUNTY) NIGHTTIME 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		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	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	OFF	3795	0	428	9.61	626	47.6	15.3	15.3	25.8	25.8
9-10 AM	2414	0.0	272	0.0	OFF	2414	0	272	1.63	86	61.8	42.1	42.1	27.2	27.2
10-11 AM	2139	0.0	241	0.0	OFF	2139	0	241	0.00	0	62.4	62.4	62.4	27.5	27.5
11A-NOON	2036	0.0	229	0.0	OFF	2036	0	229	0.00	0	62.6	62.6	62.6	27.6	27.6
NOON-1PM	2193	0.0	247	0.0	OFF	2193	0	247	0.00	0	62.3	62.3	62.3	27.4	27.4
1-2 PM	2107	0.0	238	0.0	OFF	2107	0	238	0.00	0	62.5	62.5	62.5	27.6	27.6
2-3 PM	2148	0.0	242	0.0	OFF	2148	0	242	0.00	0	62.4	62.4	62.4	27.5	27.5
3-4 PM	2258	0.0	254	0.0	OFF	2258	0	254	0.00	0	62.2	62.2	62.2	27.4	27.4
4-5 PM	2107	0.0	238	0.0	OFF	2107	0	238	0.00	0	62.5	62.5	62.5	27.6	27.6
5-6 PM	1772	0.0	200	0.0	OFF	1772	0	200	0.00	0	63.1	63.1	63.1	27.9	27.9
6-7 PM	1511	0.0	171	0.0	1499	1511	0	171	1.87	23	63.6	41.0	31.0	28.2	28.2
7-8 PM	1200	0.0	135	0.0	1500	1200	0	135	0.64	0	64.1	53.8	38.6	28.5	28.5
8-9 PM	909	0.0	103	0.0	1500	909	0	103	0.51	0	64.7	56.1	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

"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	0.0195
MAIN ROUTE WITH WORKS	0.0187
DIVERSION	0.0447

PIA: Personal Injury Accidents

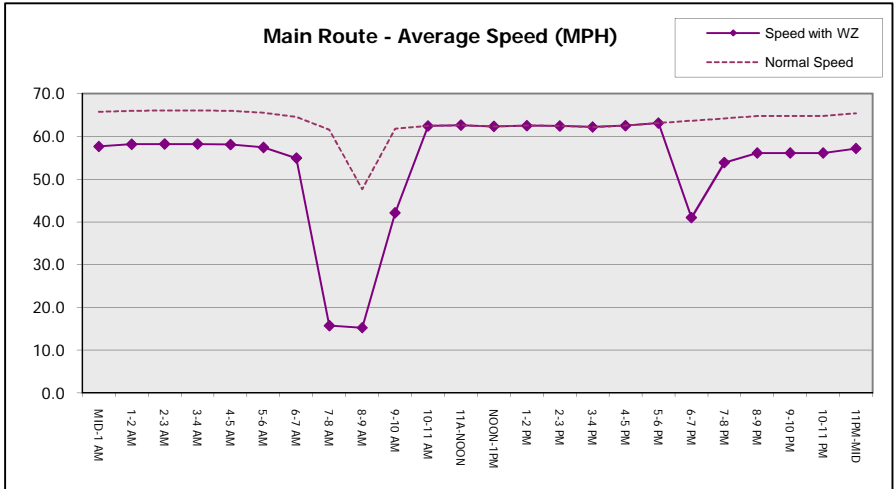
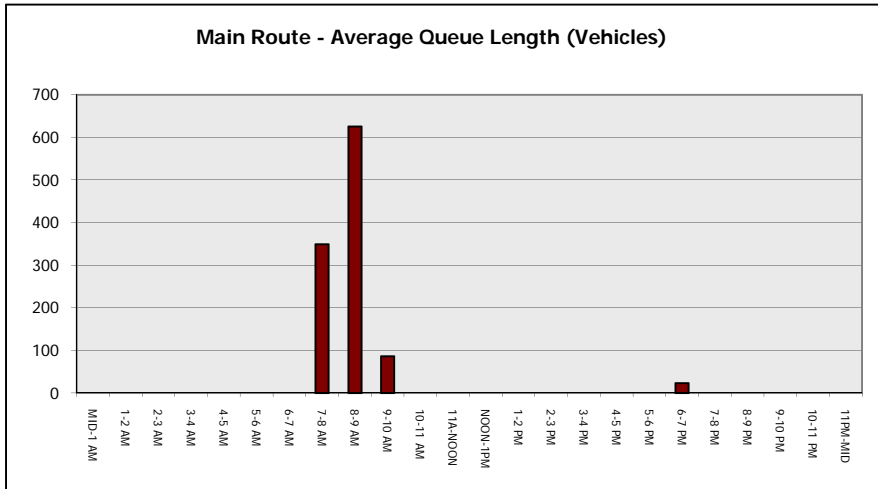
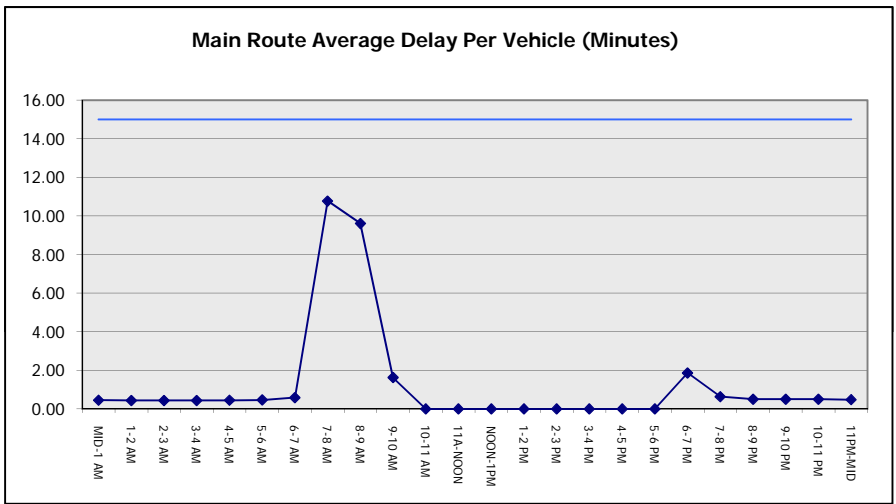
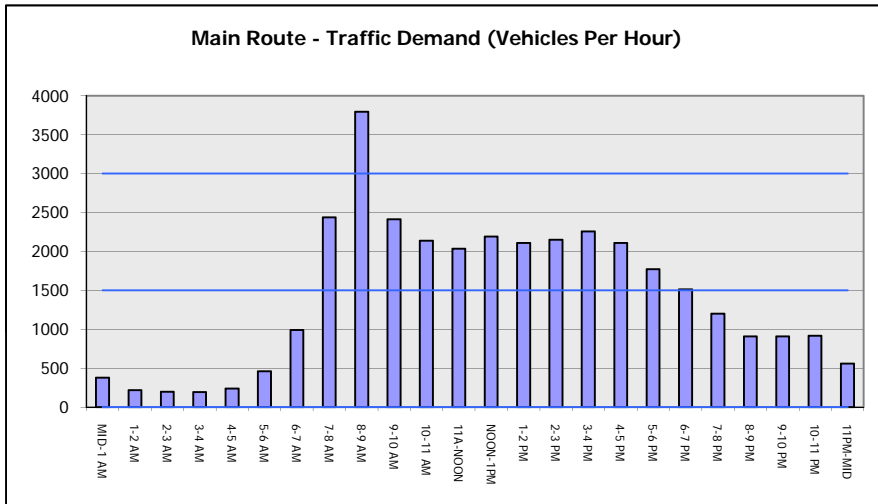
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$14,151
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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

OCTOBER
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 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SATURDAY WESTBOUND DIRECTION



IH 94: STH 67 TO CTH C (WAUKESHA COUNTY) NIGHTTIME 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	OFF	1271	0	143	0.00	0	64.0	64.0	64.0	28.4	28.4
9-10 AM	1601	0.0	180	0.0	OFF	1601	0	180	0.00	0	63.4	63.4	63.4	28.1	28.1
10-11 AM	1842	0.0	207	0.0	OFF	1842	0	207	0.00	0	63.0	63.0	63.0	27.8	27.8
11A-NOON	1968	0.0	222	0.0	OFF	1968	0	222	0.00	0	62.7	62.7	62.7	27.7	27.7
NOON-1PM	2076	0.0	234	0.0	OFF	2076	0	234	0.00	0	62.5	62.5	62.5	27.6	27.6
1-2 PM	2075	0.0	234	0.0	OFF	2075	0	234	0.00	0	62.5	62.5	62.5	27.6	27.6
2-3 PM	2114	0.0	239	0.0	OFF	2114	0	239	0.00	0	62.5	62.5	62.5	27.6	27.6
3-4 PM	2955	0.0	333	0.0	OFF	2955	0	333	0.00	0	56.2	56.2	56.2	26.6	26.6
4-5 PM	3275	0.0	369	0.0	OFF	3275	0	369	0.00	0	53.0	53.0	53.0	26.3	26.3
5-6 PM	2942	0.0	332	0.0	OFF	2942	0	332	0.00	0	56.4	56.4	56.4	26.6	26.6
6-7 PM	2285	0.0	257	0.0	1499	2070	215	472	13.86	386	62.1	13.0	30.8	27.4	25.5
7-8 PM	1573	0.0	177	0.0	1499	1331	241	418	18.44	472	63.5	10.3	30.8	28.1	26.0
8-9 PM	1190	0.0	134	0.0	1499	1190	0	134	9.86	262	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

"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	0.0186
MAIN ROUTE WITH WORKS	0.0177
DIVERSION	0.0455

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$14,545
CONGESTED HOURS PER DAY*	1

*Delays Exceeding 15 Minutes

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NIGHTTIME CLOSURE
DIVERSION ROUTE: STH 67 - USH 18 - CTH C

OCTOBER
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 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SATURDAY EASTBOUND DIRECTION

