

IH 94: STH 67 TO CTH C (WAUKESHA COUNTY) OFF-PEAK DAY CLOSURE DIVERSION ROUTE: STH 67 - USH 18 - CTH C	MAY
	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	222	0.0	25	0.0	OFF	222	0	25	0.00	0	66.0	66.0	66.0	29.6	29.6
1-2 AM	164	0.0	19	0.0	OFF	164	0	19	0.00	0	66.1	66.1	66.1	29.6	29.6
2-3 AM	131	0.0	15	0.0	OFF	131	0	15	0.00	0	66.1	66.1	66.1	29.7	29.7
3-4 AM	163	0.0	19	0.0	OFF	163	0	19	0.00	0	66.1	66.1	66.1	29.6	29.6
4-5 AM	277	0.0	31	0.0	OFF	277	0	31	0.00	0	65.9	65.9	65.9	29.5	29.5
5-6 AM	637	0.0	72	0.0	OFF	637	0	72	0.00	0	65.2	65.2	65.2	29.1	29.1
6-7 AM	1442	0.0	162	0.0	OFF	1442	0	162	0.00	0	63.7	63.7	63.7	28.3	28.3
7-8 AM	2050	0.0	231	0.0	OFF	2050	0	231	0.00	0	62.6	62.6	62.6	27.6	27.6
8-9 AM	1921	0.0	217	0.0	OFF	1921	0	217	0.00	0	62.8	62.8	62.8	27.8	27.8
9-10 AM	1637	0.0	184	0.0	1499	1637	0	184	3.68	77	63.3	30.4	30.8	28.1	28.1
10-11 AM	1612	0.0	182	0.0	1500	1612	0	182	7.98	190	63.4	18.9	30.8	28.1	28.1
11A-NOON	1705	0.0	193	0.0	1500	1705	0	193	13.51	344	63.2	12.8	30.8	28.0	28.0
NOON-1PM	1843	0.0	207	0.0	1499	1551	292	499	19.16	490	63.0	10.1	30.8	27.8	25.3
1-2 PM	1795	0.0	202	0.0	1499	1494	301	503	19.19	490	63.0	10.1	30.8	27.9	25.3
2-3 PM	2162	0.0	244	0.0	1500	1634	528	772	21.84	564	62.3	9.4	30.8	27.5	23.0
3-4 PM	2783	0.0	314	0.0	1500	1788	996	1310+	29.29	777	58.0	8.3	30.8	26.8	18.5
4-5 PM	3205	0.0	361	0.0	OFF	3205	0	361	8.56	522	53.7	17.1	17.1	26.4	26.4
5-6 PM	3164	0.0	357	0.0	OFF	3164	0	357	0.24	9	54.1	51.0	51.0	26.4	26.4
6-7 PM	2074	0.0	233	0.0	OFF	2074	0	233	0.00	0	62.5	62.5	62.5	27.6	27.6
7-8 PM	1329	0.0	150	0.0	OFF	1329	0	150	0.00	0	63.9	63.9	63.9	28.4	28.4
8-9 PM	1146	0.0	129	0.0	OFF	1146	0	129	0.00	0	64.3	64.3	64.3	28.6	28.6
9-10 PM	931	0.0	105	0.0	OFF	931	0	105	0.00	0	64.6	64.6	64.6	28.8	28.8
10-11 PM	589	0.0	66	0.0	OFF	589	0	66	0.00	0	65.3	65.3	65.3	29.2	29.2
11PM-MID	472	0.0	53	0.0	OFF	472	0	53	0.00	0	65.5	65.5	65.5	29.3	29.3

"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	0.0192
MAIN ROUTE WITH WORKS	0.0172
DIVERSION	0.0650

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$57,012
CONGESTED HOURS PER DAY*	4

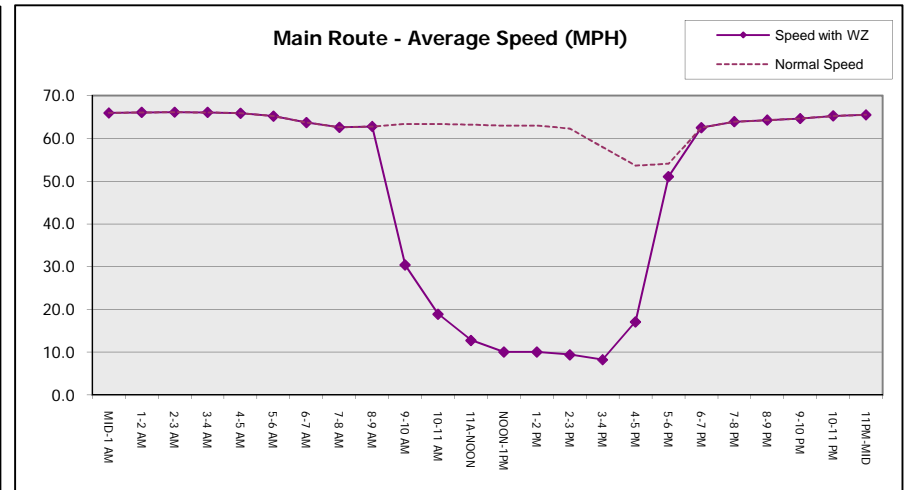
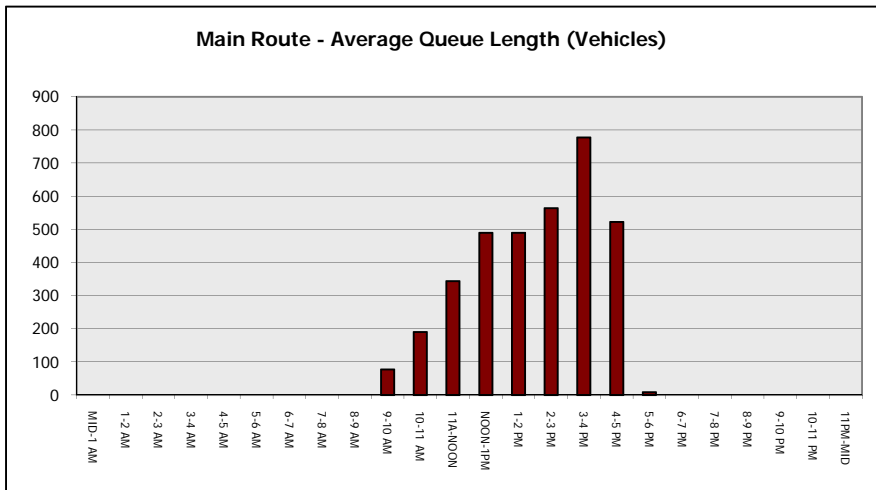
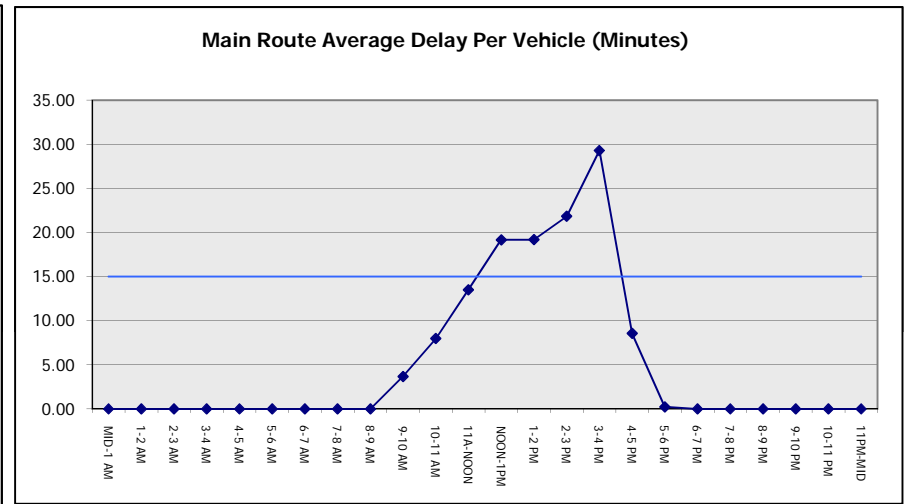
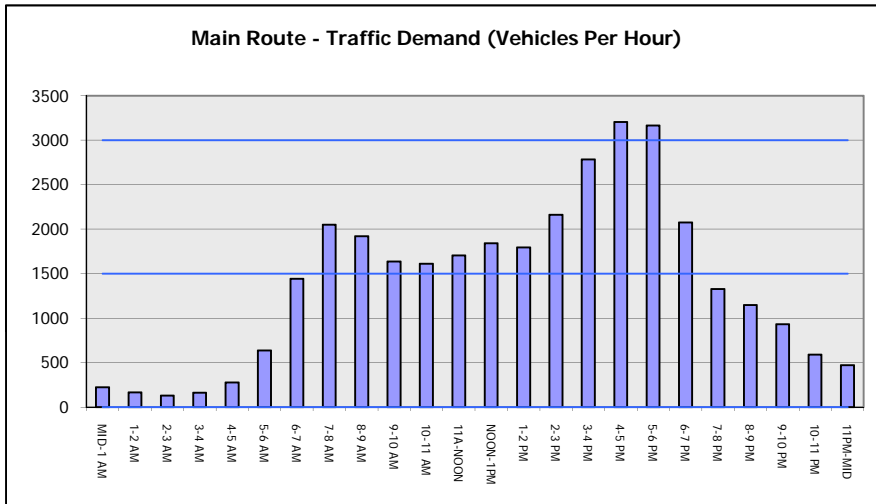
*Delays Exceeding 15 Minutes

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OFF-PEAK DAY CLOSURE
DIVERSION ROUTE: STH 67 - USH 18 - CTH C

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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	MAY
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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						
	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	181	0.0	21	0.0	OFF	181	0	21	0.00	0	66.1	66.1	66.1	29.6	29.6
1-2 AM	146	0.0	17	0.0	OFF	146	0	17	0.00	0	66.1	66.1	66.1	29.6	29.6
2-3 AM	158	0.0	18	0.0	OFF	158	0	18	0.00	0	66.1	66.1	66.1	29.6	29.6
3-4 AM	170	0.0	19	0.0	OFF	170	0	19	0.00	0	66.1	66.1	66.1	29.6	29.6
4-5 AM	362	0.0	41	0.0	OFF	362	0	41	0.00	0	65.7	65.7	65.7	29.4	29.4
5-6 AM	1135	0.0	128	0.0	OFF	1135	0	128	0.00	0	64.3	64.3	64.3	28.6	28.6
6-7 AM	2491	0.0	280	0.0	OFF	2491	0	280	0.00	0	61.0	61.0	61.0	27.1	27.1
7-8 AM	3385	0.0	382	0.0	OFF	3385	0	382	0.00	0	51.8	51.8	51.8	26.2	26.2
8-9 AM	2558	0.0	289	0.0	OFF	2558	0	289	0.00	0	60.3	60.3	60.3	27.1	27.1
9-10 AM	1812	0.0	204	0.0	1499	1812	0	204	7.12	185	63.0	20.4	30.8	27.9	27.9
10-11 AM	1621	0.0	183	0.0	1499	1621	0	183	15.01	379	63.3	11.7	30.8	28.1	28.1
11A-NOON	1589	0.0	179	0.0	1499	1506	84	263	17.27	438	63.4	10.6	30.8	28.1	27.4
NOON-1PM	1605	0.0	181	0.0	1500	1507	98	279	17.39	441	63.4	10.6	30.8	28.1	27.3
1-2 PM	1716	0.0	194	0.0	1500	1530	186	380	18.16	462	63.2	10.4	30.8	27.9	26.4
2-3 PM	1873	0.0	211	0.0	1500	1544	329	540	19.52	500	62.9	10.0	30.8	27.8	25.0
3-4 PM	2073	0.0	233	0.0	1500	1559	514	747	21.56	556	62.5	9.5	30.8	27.6	23.2
4-5 PM	2132	0.0	241	0.0	OFF	2132	0	241	1.57	89	62.4	43.0	43.0	27.5	27.5
5-6 PM	2233	0.0	252	0.0	OFF	2233	0	252	0.00	0	62.2	62.2	62.2	27.4	27.4
6-7 PM	1530	0.0	173	0.0	OFF	1530	0	173	0.00	0	63.5	63.5	63.5	28.2	28.2
7-8 PM	1098	0.0	123	0.0	OFF	1098	0	123	0.00	0	64.3	64.3	64.3	28.6	28.6
8-9 PM	923	0.0	104	0.0	OFF	923	0	104	0.00	0	64.6	64.6	64.6	28.8	28.8
9-10 PM	800	0.0	90	0.0	OFF	800	0	90	0.00	0	64.9	64.9	64.9	28.9	28.9
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	344	0.0	39	0.0	OFF	344	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	0.0186
MAIN ROUTE WITH WORKS	0.0172
DIVERSION	0.0538

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$44,222
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

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 Construction Season

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

