

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

FRIDAY 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	258	0.0	29	0.0	1500	258	0	29	0.45	0	65.9	58.0	44.5	29.6	29.6
1-2 AM	199	0.0	22	0.0	1500	199	0	22	0.44	0	66.0	58.1	44.7	29.6	29.6
2-3 AM	174	0.0	20	0.0	1500	174	0	20	0.44	0	66.1	58.2	44.8	29.6	29.6
3-4 AM	180	0.0	20	0.0	1500	180	0	20	0.44	0	66.1	58.2	44.8	29.6	29.6
4-5 AM	312	0.0	36	0.0	1500	312	0	36	0.45	0	65.8	57.8	44.2	29.5	29.5
5-6 AM	657	0.0	74	0.0	OFF	657	0	74	0.00	0	65.1	65.1	65.1	29.1	29.1
6-7 AM	1464	0.0	165	0.0	OFF	1464	0	165	0.00	0	63.7	63.7	63.7	28.3	28.3
7-8 AM	1949	0.0	220	0.0	OFF	1949	0	220	0.00	0	62.8	62.8	62.8	27.7	27.7
8-9 AM	1988	0.0	224	0.0	OFF	1988	0	224	0.00	0	62.7	62.7	62.7	27.7	27.7
9-10 AM	1792	0.0	202	0.0	OFF	1792	0	202	0.00	0	63.0	63.0	63.0	27.9	27.9
10-11 AM	1996	0.0	225	0.0	OFF	1996	0	225	0.00	0	62.7	62.7	62.7	27.7	27.7
11A-NOON	2166	0.0	244	0.0	OFF	2166	0	244	0.00	0	62.3	62.3	62.3	27.5	27.5
NOON-1PM	2399	0.0	271	0.0	OFF	2399	0	271	0.00	0	61.9	61.9	61.9	27.3	27.3
1-2 PM	2582	0.0	291	0.0	OFF	2582	0	291	0.00	0	60.1	60.1	60.1	27.1	27.1
2-3 PM	2993	0.0	337	0.0	OFF	2993	0	337	0.00	0	55.8	55.8	55.8	26.6	26.6
3-4 PM	3590	0.0	405	0.0	OFF	3590	0	405	0.00	0	49.7	49.7	49.7	26.0	26.0
4-5 PM	3430	0.0	387	0.0	OFF	3430	0	387	0.00	0	51.4	51.4	51.4	26.1	26.1
5-6 PM	3442	0.0	388	0.0	OFF	3442	0	388	0.00	0	51.2	51.2	51.2	26.1	26.1
6-7 PM	2735	0.0	309	0.0	OFF	2735	0	309	0.00	0	58.5	58.5	58.5	26.9	26.9
7-8 PM	2093	0.0	236	0.0	1499	2010	82	319	11.65	328	62.5	14.5	30.8	27.6	26.9
8-9 PM	1343	0.0	152	0.0	1499	1266	76	228	15.51	396	63.9	11.6	30.8	28.4	27.7
9-10 PM	1182	0.0	133	0.0	1500	1182	0	133	4.37	132	64.2	27.9	34.5	28.6	28.6
10-11 PM	935	0.0	106	0.0	1500	935	0	106	0.51	0	64.6	56.0	41.9	28.8	28.8
11PM-MID	599	0.0	68	0.0	1500	599	0	68	0.48	0	65.3	57.0	43.2	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	0.0232
MAIN ROUTE WITH WORKS	0.0226
DIVERSION	0.0522

PIA: Personal Injury Accidents

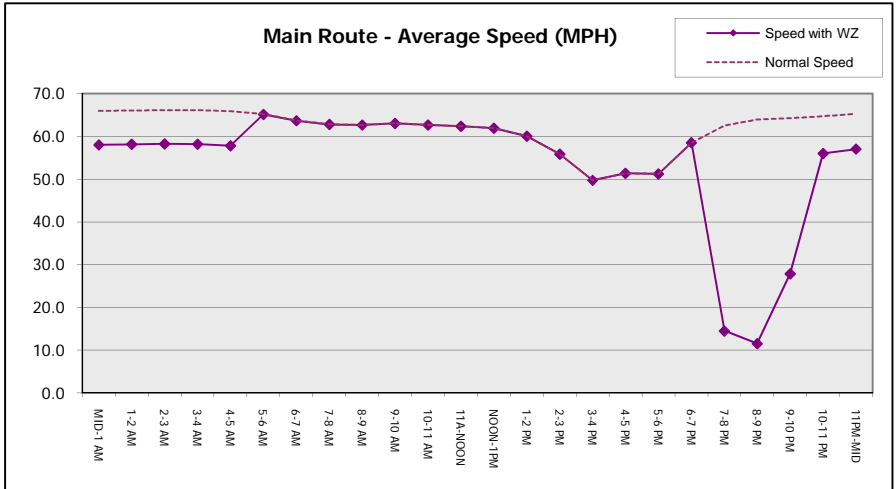
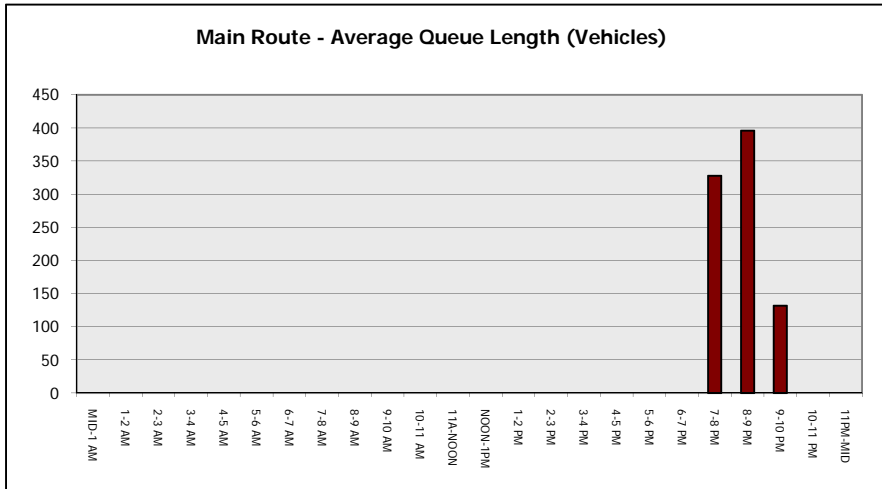
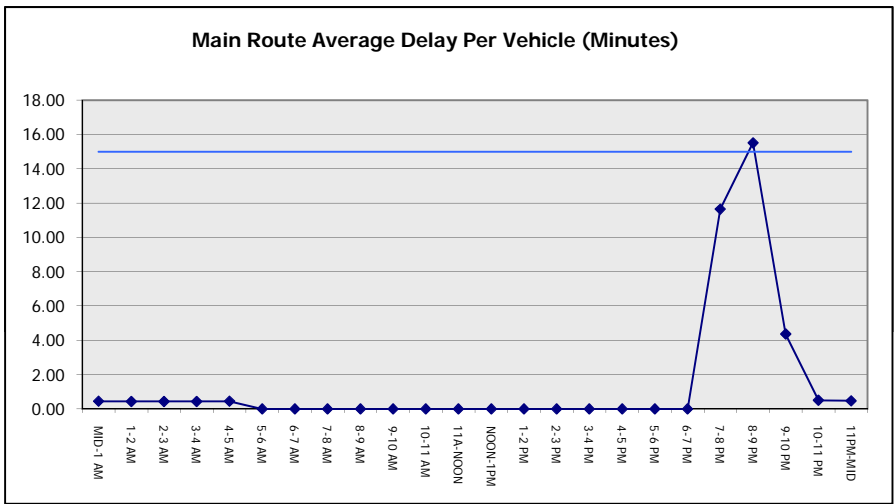
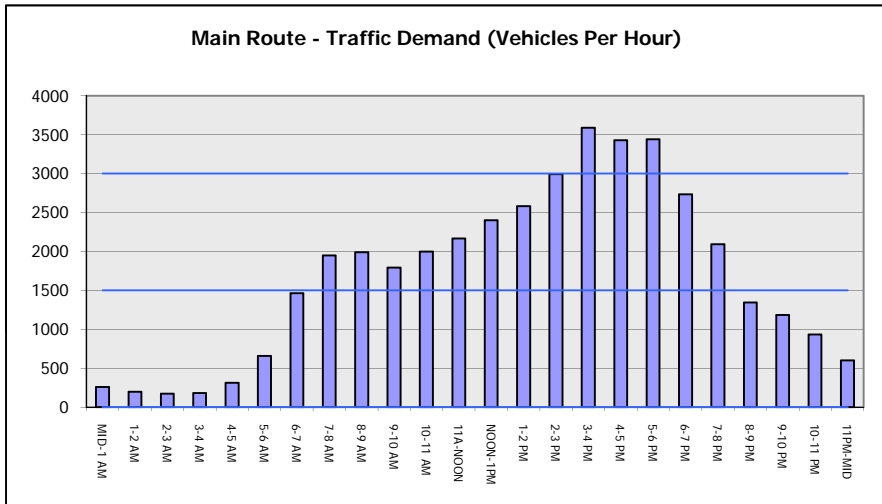
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$13,398
CONGESTED HOURS PER DAY*	1

*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
FRIDAY 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

FRIDAY 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	20	0.0	1500	181	0	20	0.44	0	66.1	58.2	44.8	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	163	0.0	19	0.0	1500	163	0	19	0.44	0	66.1	58.2	44.8	29.6	29.6	
3-4 AM	152	0.0	17	0.0	1500	152	0	17	0.44	0	66.1	58.3	44.9	29.6	29.6	
4-5 AM	365	0.0	41	0.0	1500	365	0	41	0.46	0	65.7	57.7	44.0	29.4	29.4	
5-6 AM	1090	0.0	122	0.0	OFF	1090	0	122	0.00	0	64.3	64.3	64.3	28.6	28.6	
6-7 AM	2346	0.0	265	0.0	OFF	2346	0	265	0.00	0	62.0	62.0	62.0	27.3	27.3	
7-8 AM	3110	0.0	351	0.0	OFF	3110	0	351	0.00	0	54.6	54.6	54.6	26.5	26.5	
8-9 AM	2461	0.0	277	0.0	OFF	2461	0	277	0.00	0	61.3	61.3	61.3	27.2	27.2	
9-10 AM	1801	0.0	203	0.0	OFF	1801	0	203	0.00	0	63.0	63.0	63.0	27.9	27.9	
10-11 AM	1805	0.0	204	0.0	OFF	1805	0	204	0.00	0	63.0	63.0	63.0	27.9	27.9	
11A-NOON	1842	0.0	207	0.0	OFF	1842	0	207	0.00	0	63.0	63.0	63.0	27.8	27.8	
NOON-1PM	1834	0.0	207	0.0	OFF	1834	0	207	0.00	0	63.0	63.0	63.0	27.8	27.8	
1-2 PM	2052	0.0	231	0.0	OFF	2052	0	231	0.00	0	62.5	62.5	62.5	27.6	27.6	
2-3 PM	2267	0.0	255	0.0	OFF	2267	0	255	0.00	0	62.2	62.2	62.2	27.4	27.4	
3-4 PM	2498	0.0	281	0.0	OFF	2498	0	281	0.00	0	60.9	60.9	60.9	27.1	27.1	
4-5 PM	2656	0.0	299	0.0	OFF	2656	0	299	0.00	0	59.3	59.3	59.3	27.0	27.0	
5-6 PM	2739	0.0	309	0.0	OFF	2739	0	309	0.00	0	58.4	58.4	58.4	26.9	26.9	
6-7 PM	2051	0.0	231	0.0	OFF	2051	0	231	0.00	0	62.5	62.5	62.5	27.6	27.6	
7-8 PM	1372	0.0	155	0.0	1500	1372	0	155	0.86	0	63.8	50.9	33.7	28.3	28.3	
8-9 PM	1099	0.0	123	0.0	1500	1099	0	123	0.53	0	64.3	55.6	41.4	28.6	28.6	
9-10 PM	1001	0.0	113	0.0	1500	1001	0	113	0.52	0	64.5	55.8	41.7	28.8	28.8	
10-11 PM	785	0.0	89	0.0	1500	785	0	89	0.50	0	64.9	56.4	42.5	28.9	28.9	
11PM-MID	579	0.0	65	0.0	1500	579	0	65	0.48	0	65.3	57.1	43.2	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	0.0208
MAIN ROUTE WITH WORKS	0.0205
DIVERSION	0.0453

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$884
CONGESTED HOURS PER DAY*	0

*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
FRIDAY EASTBOUND DIRECTION

