

**IH 94: STH 26 TO STH 67 (JEFFERSON AND WAUKESHA COUNTIES)
NIGHTTIME CLOSURE
DIVERSION ROUTE: STH 26 - USH 18 - STH 67**

AUGUST
Analyzed for 2009
Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT
SUNDAY 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	361	0.0	43	0.0	1500	361	0	43	0.46	0	65.7	63.6	44.0	44.1	44.1
1-2 AM	195	0.0	23	0.0	1500	195	0	23	0.44	0	66.0	64.0	44.7	44.4	44.4
2-3 AM	98	0.0	12	0.0	1500	98	0	12	0.43	0	66.2	64.1	45.1	44.5	44.5
3-4 AM	81	0.0	9	0.0	1500	81	0	9	0.43	0	66.3	64.2	45.1	44.6	44.6
4-5 AM	83	0.0	9	0.0	1500	83	0	9	0.43	0	66.3	64.2	45.1	44.6	44.6
5-6 AM	141	0.0	17	0.0	1500	141	0	17	0.44	0	66.1	64.1	44.9	44.5	44.5
6-7 AM	269	0.0	31	0.0	1500	269	0	31	0.45	0	65.9	63.8	44.4	44.3	44.3
7-8 AM	512	0.0	61	0.0	1500	512	0	61	0.47	0	65.5	63.3	43.5	43.8	43.8
8-9 AM	860	0.0	102	0.0	1500	860	0	102	0.51	0	64.8	62.5	42.2	43.3	43.3
9-10 AM	1304	0.0	154	0.0	OFF	1304	0	154	0.00	0	64.0	64.0	64.0	42.5	42.5
10-11 AM	1792	0.0	211	0.0	OFF	1792	0	211	0.00	0	63.0	63.0	63.0	41.7	41.7
11A-NOON	2072	0.0	245	0.0	OFF	2072	0	245	0.00	0	62.5	62.5	62.5	41.2	41.2
NOON-1PM	2002	0.0	237	0.0	OFF	2002	0	237	0.00	0	62.7	62.7	62.7	41.4	41.4
1-2 PM	1860	0.0	220	0.0	OFF	1860	0	220	0.00	0	62.9	62.9	62.9	41.6	41.6
2-3 PM	1815	0.0	215	0.0	OFF	1815	0	215	0.00	0	63.0	63.0	63.0	41.7	41.7
3-4 PM	1733	0.0	204	0.0	OFF	1733	0	204	0.00	0	63.2	63.2	63.2	41.8	41.8
4-5 PM	1775	0.0	209	0.0	OFF	1775	0	209	0.00	0	63.1	63.1	63.1	41.7	41.7
5-6 PM	1754	0.0	207	0.0	OFF	1754	0	207	0.00	0	63.1	63.1	63.1	41.7	41.7
6-7 PM	1364	0.0	161	0.0	OFF	1364	0	161	0.00	0	63.8	63.8	63.8	42.4	42.4
7-8 PM	1164	0.0	137	0.0	1500	1164	0	137	0.59	0	64.2	61.6	39.7	42.8	42.8
8-9 PM	968	0.0	114	0.0	1500	968	0	114	0.52	0	64.6	62.3	41.8	43.1	43.1
9-10 PM	708	0.0	84	0.0	1500	708	0	84	0.49	0	65.1	62.8	42.7	43.5	43.5
10-11 PM	509	0.0	60	0.0	1500	509	0	60	0.47	0	65.5	63.3	43.5	43.8	43.8
11PM-MID	329	0.0	39	0.0	1500	329	0	39	0.45	0	65.8	63.7	44.2	44.2	44.2

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

----- 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	0.0567
MAIN ROUTE WITH WORKS	0.0563
DIVERSION	0.0294

PIA: Personal Injury Accidents

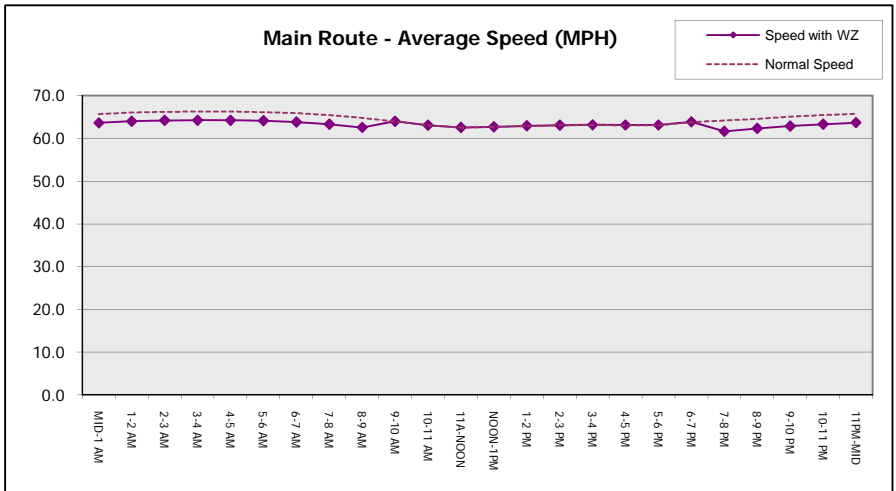
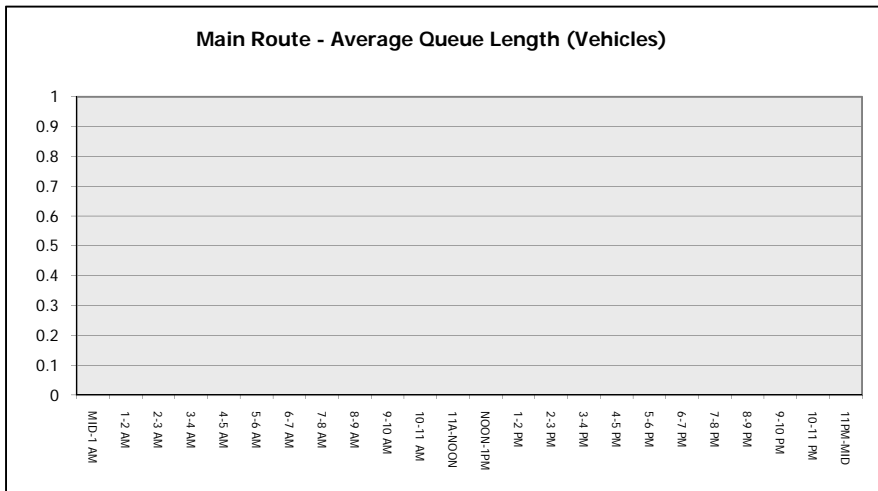
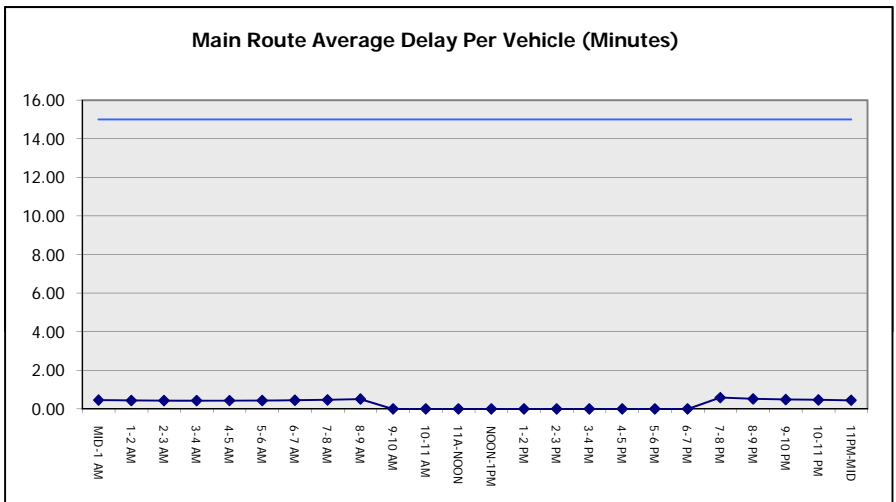
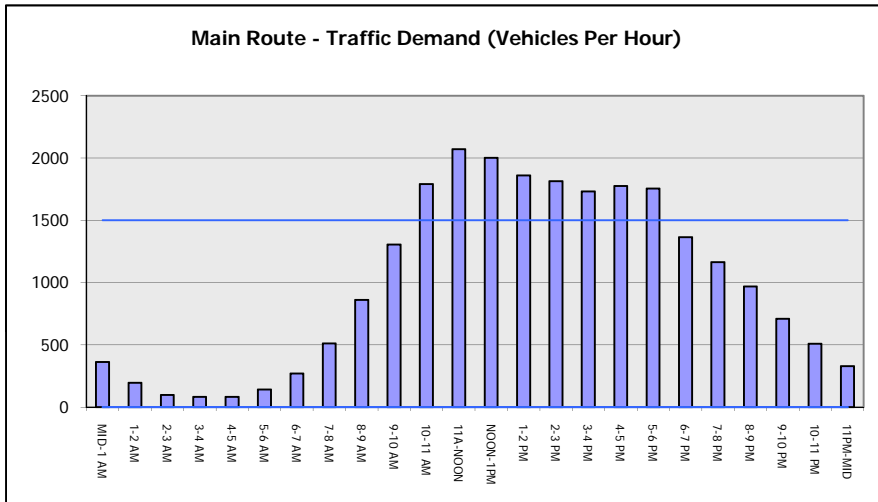
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$837
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY WESTBOUND DIRECTION



IH 94: STH 26 TO STH 67 (JEFFERSON AND WAUKESHA COUNTIES) NIGHTTIME CLOSURE DIVERSION ROUTE: STH 26 - USH 18 - STH 67	AUGUST Analyzed for 2009 Construction Season
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SUMMARY OF TRAFFIC MODEL OUTPUT

SUNDAY 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	409	0.0	48	0.0	1500	409	0	48	0.46	0	65.6	63.5	43.8	44.0	44.0
1-2 AM	195	0.0	23	0.0	1500	195	0	23	0.44	0	66.0	64.0	44.7	44.4	44.4
2-3 AM	142	0.0	17	0.0	1500	142	0	17	0.44	0	66.1	64.1	44.9	44.5	44.5
3-4 AM	117	0.0	14	0.0	1500	117	0	14	0.43	0	66.1	64.1	45.0	44.5	44.5
4-5 AM	107	0.0	13	0.0	1500	107	0	13	0.43	0	66.2	64.1	45.1	44.5	44.5
5-6 AM	141	0.0	17	0.0	1500	141	0	17	0.44	0	66.1	64.1	44.9	44.5	44.5
6-7 AM	208	0.0	24	0.0	1500	208	0	24	0.44	0	66.0	63.9	44.6	44.3	44.3
7-8 AM	345	0.0	41	0.0	1500	345	0	41	0.46	0	65.8	63.6	44.1	44.2	44.2
8-9 AM	635	0.0	75	0.0	1500	635	0	75	0.48	0	65.2	63.0	43.0	43.7	43.7
9-10 AM	1064	0.0	126	0.0	OFF	1064	0	126	0.00	0	64.4	64.4	64.4	42.9	42.9
10-11 AM	1628	0.0	193	0.0	OFF	1628	0	193	0.00	0	63.3	63.3	63.3	42.0	42.0
11A-NOON	2113	0.0	249	0.0	OFF	2113	0	249	0.00	0	62.5	62.5	62.5	41.2	41.2
NOON-1PM	2258	0.0	267	0.0	OFF	2258	0	267	0.00	0	62.2	62.2	62.2	40.9	40.9
1-2 PM	2316	0.0	273	0.0	OFF	2316	0	273	0.00	0	62.1	62.1	62.1	40.8	40.8
2-3 PM	2501	0.0	295	0.0	OFF	2501	0	295	0.00	0	60.9	60.9	60.9	40.5	40.5
3-4 PM	2618	0.0	309	0.0	OFF	2618	0	309	0.00	0	59.7	59.7	59.7	40.3	40.3
4-5 PM	2600	0.0	307	0.0	OFF	2600	0	307	0.00	0	59.9	59.9	59.9	40.4	40.4
5-6 PM	2678	0.0	316	0.0	OFF	2678	0	316	0.00	0	59.1	59.1	59.1	40.2	40.2
6-7 PM	2264	0.0	267	0.0	OFF	2264	0	267	0.00	0	62.2	62.2	62.2	40.9	40.9
7-8 PM	2073	0.0	245	0.0	1499	2073	0	245	11.06	304	62.5	35.3	30.8	41.2	41.2
8-9 PM	1686	0.0	199	0.0	1499	1644	42	241	26.19	681	63.2	22.2	30.8	41.9	41.3
9-10 PM	1193	0.0	140	0.0	1499	1193	0	140	22.77	591	64.1	24.5	30.8	42.7	42.7
10-11 PM	763	0.0	90	0.0	1499	763	0	90	4.17	129	65.0	49.9	40.7	43.4	43.4
11PM-MID	393	0.0	46	0.0	1500	393	0	46	0.46	0	65.6	63.5	43.9	44.0	44.0

"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	0.0727
MAIN ROUTE WITH WORKS	0.0720
DIVERSION	0.0382

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$26,196
CONGESTED HOURS PER DAY*	2

*Delays Exceeding 15 Minutes

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SUNDAY EASTBOUND DIRECTION

