

**IH 94: STH 26 TO STH 67 (JEFFERSON AND WAUKESHA COUNTIES)
CONTINUOUS (24 HOUR) 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	1499	1304	0	154	0.77	0	64.0	60.7	35.7	42.5	42.5
10-11 AM	1792	0.0	211	0.0	1499	1792	0	211	5.08	122	63.0	46.5	30.8	41.7	41.7
11A-NOON	2072	0.0	245	0.0	1500	2042	30	275	21.07	569	62.5	25.4	30.8	41.2	40.8
NOON-1PM	2002	0.0	237	0.0	1500	1584	417	654	33.93	893	62.7	18.6	30.8	41.4	35.4
1-2 PM	1860	0.0	220	0.0	1500	1439	421	641	33.74	887	62.9	18.8	30.8	41.6	35.6
2-3 PM	1815	0.0	215	0.0	1500	1473	343	557	32.20	844	63.0	19.4	30.8	41.7	36.8
3-4 PM	1733	0.0	204	0.0	1500	1461	272	476	30.82	806	63.2	19.9	30.8	41.8	37.9
4-5 PM	1775	0.0	209	0.0	1500	1518	256	466	30.63	801	63.1	20.1	30.8	41.7	38.1
5-6 PM	1754	0.0	207	0.0	1500	1478	275	482	30.92	809	63.1	19.9	30.8	41.7	37.8
6-7 PM	1364	0.0	161	0.0	1500	1294	71	232	26.34	684	63.8	22.2	30.8	42.4	41.4
7-8 PM	1164	0.0	137	0.0	1499	1164	0	137	16.43	424	64.2	29.6	31.1	42.8	42.8
8-9 PM	968	0.0	114	0.0	1499	968	0	114	2.50	62	64.6	54.8	40.0	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

----- 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	0.0567
MAIN ROUTE WITH WORKS	0.0503
DIVERSION	0.0514

PIA: Personal Injury Accidents

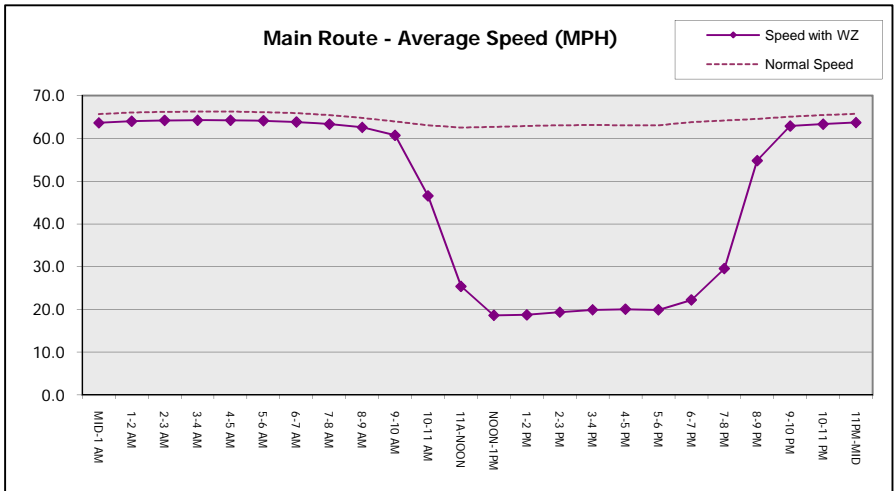
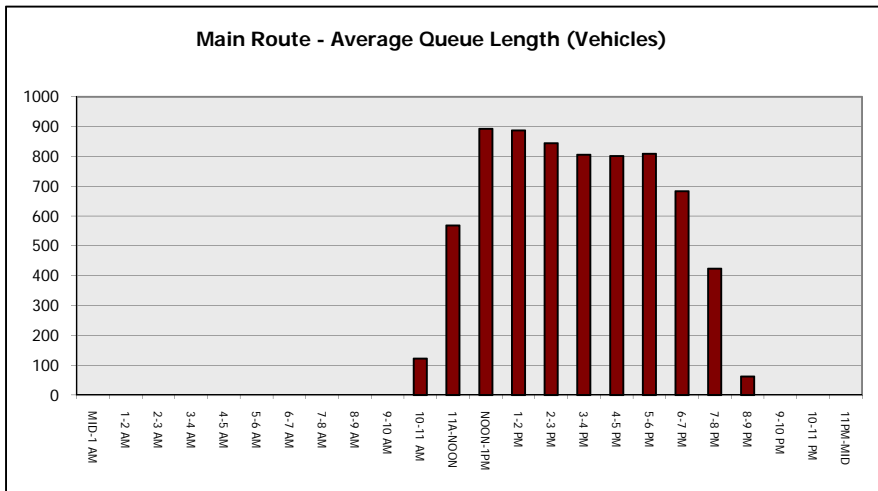
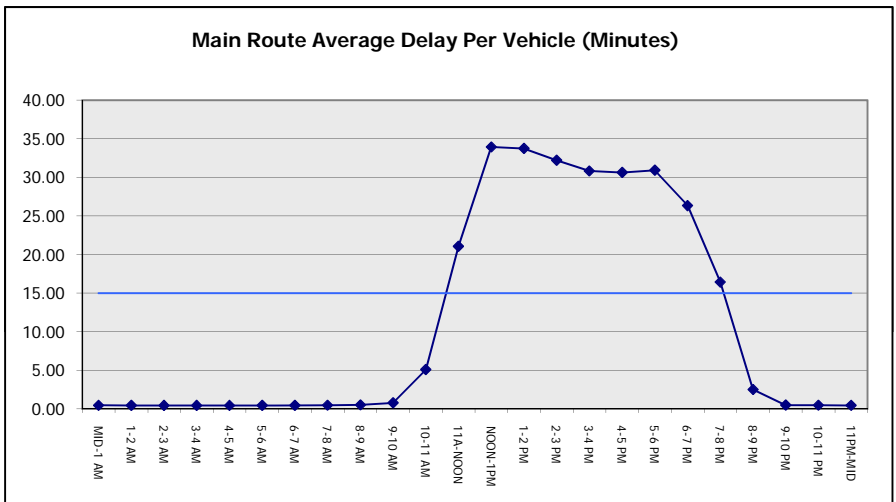
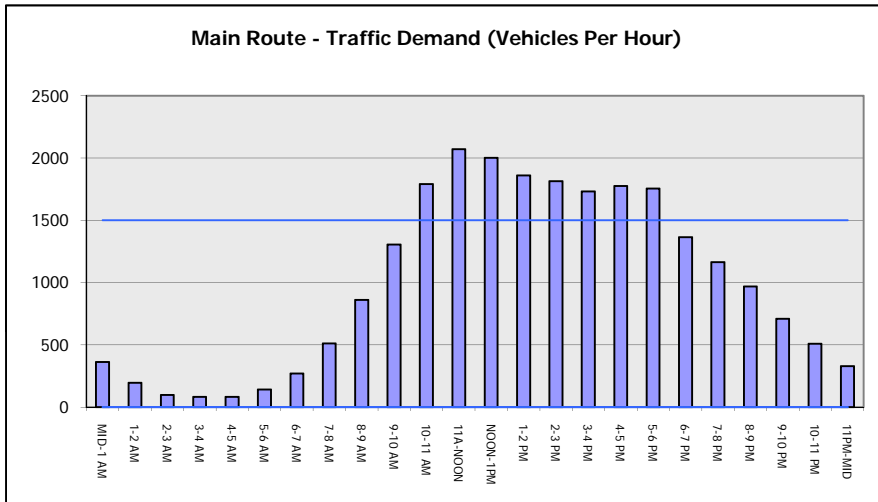
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$146,085
CONGESTED HOURS PER DAY*	9

*Delays Exceeding 15 Minutes

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CONTINUOUS (24 HOUR) CLOSURE
DIVERSION ROUTE: STH 26 - USH 18 - STH 67

AUGUST
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 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY WESTBOUND DIRECTION



IH 94: STH 26 TO STH 67 (JEFFERSON AND WAUKESHA COUNTIES) CONTINUOUS (24 HOUR) CLOSURE DIVERSION ROUTE: STH 26 - USH 18 - STH 67	AUGUST
	Analyzed for 2009 Construction Season

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	1499	1064	0	126	0.57	0	64.4	61.9	40.4	42.9	42.9
10-11 AM	1628	0.0	193	0.0	1499	1628	0	193	2.10	32	63.3	55.2	30.8	42.0	42.0
11A-NOON	2113	0.0	249	0.0	1500	2113	0	249	15.03	416	62.5	30.6	30.8	41.2	41.2
NOON-1PM	2258	0.0	267	0.0	1499	1814	444	711	34.96	927	62.2	18.2	30.8	40.9	34.6
1-2 PM	2316	0.0	273	0.0	1499	1592	723	997	41.52	1101	62.1	16.1	30.8	40.8	30.5
2-3 PM	2501	0.0	295	0.0	1499	1644	857	1152	45.63	1220	60.9	14.9	30.8	40.5	28.3
3-4 PM	2618	0.0	309	0.0	1499	1621	997	1306+	50.40	1356	59.7	13.7	30.8	40.3	26.1
4-5 PM	2600	0.0	307	0.0	1499	1530	1070	1377+	53.08	1427	59.9	13.2	30.8	40.4	25.1
5-6 PM	2678	0.0	316	0.0	1499	1560	1117	1433+	55.13	1488	59.1	12.8	30.8	40.2	24.3
6-7 PM	2264	0.0	267	0.0	1499	1219	1045	1312+	51.23	1366	62.2	13.7	30.8	40.9	26.0
7-8 PM	2073	0.0	245	0.0	1499	1295	778	1023	42.32	1122	62.5	15.8	30.8	41.2	30.1
8-9 PM	1686	0.0	199	0.0	1499	1245	441	640	33.80	890	63.2	18.8	30.8	41.9	35.6
9-10 PM	1193	0.0	140	0.0	1499	1162	31	171	23.58	614	64.1	23.9	30.8	42.7	42.3
10-11 PM	763	0.0	90	0.0	1499	763	0	90	4.43	139	65.0	49.2	40.6	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

+ INDICATES DIVERSION FLOW EXCEEDS USER-SPECIFIED WARNING LIMIT

----- 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	0.0727
MAIN ROUTE WITH WORKS	0.0533
DIVERSION	0.1166

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$325,949
CONGESTED HOURS PER DAY*	11

*Delays Exceeding 15 Minutes

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CONTINUOUS (24 HOUR) CLOSURE
DIVERSION ROUTE: STH 26 - USH 18 - STH 67

AUGUST
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY EASTBOUND DIRECTION

