

**IH 94: STH 181 TO USH 41 (MILWAUKEE COUNTY)
CONTINUOUS (24 HOUR) 2 LANE CLOSURE
NO DIVERSION ROUTE (MAX QUEUE METHOD)**

AUGUST

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		SITE CAPA CITY	FLOW		AV.DEL PER VEH (MINS)	AVERAGE QUEUE (VEH)	MAIN ROUTE		SITE	
	DEMAND FLOW	PCT HEAVY		MAIN ROUTE	'DIVER TED'			WITHOUT WORK ZONE	WITH WORK ZONE		
MID-1 AM	872	0.0	1499	872	0	2.00	82	69.7	35.4	40.2	
1-2 AM	509	0.0	1500	509	0	0.53	0	70.1	55.6	43.5	
2-3 AM	396	0.0	1500	396	0	0.52	0	70.2	56.0	43.9	
3-4 AM	412	0.0	1500	412	0	0.52	0	70.2	55.9	43.8	
4-5 AM	752	0.0	1500	752	0	0.56	0	69.8	54.9	42.5	
5-6 AM	2167	0.0	1499	2143	24	5.57+	208	68.1	19.1	30.8	
6-7 AM	4580	0.0	1500	1217	3362	15.63+	398	59.6	8.4	35.4	
7-8 AM	5686	0.0	1500	1500	4186	15.97+	408	52.0	8.1	30.8	
8-9 AM	5188	0.0	1500	1500	3688	16.15+	408	55.4	8.1	30.8	
9-10 AM	4054	0.0	1500	1500	2554	16.49+	408	63.2	8.1	30.8	
10-11 AM	3955	0.0	1500	1500	2455	16.51+	408	63.8	8.1	30.8	
11AM-NOON	4298	0.0	1500	1500	2798	16.42+	408	61.5	8.1	30.8	
NOON-1PM	4472	0.0	1500	1500	2972	16.37+	408	60.3	8.1	30.8	
1-2 PM	4478	0.0	1500	1500	2978	16.37+	408	60.2	8.1	30.8	
2-3 PM	5466	0.0	1500	1500	3966	16.05+	408	53.5	8.1	30.8	
3-4 PM	5767	0.0	1500	1500	4267	15.94+	408	51.5	8.1	30.8	
4-5 PM	5221	0.0	1500	1500	3721	16.14+	408	55.2	8.1	30.8	
5-6 PM	4918	0.0	1500	1500	3418	16.24+	408	57.3	8.1	30.8	
6-7 PM	4434	0.0	1500	1500	2934	16.38+	408	60.5	8.1	30.8	
7-8 PM	3088	0.0	1500	1508	1580	16.59+	407	66.9	8.1	30.8	
8-9 PM	2669	0.0	1500	1507	1162	16.56+	406	67.4	8.1	30.8	
9-10 PM	2543	0.0	1500	1504	1039	16.55+	405	67.6	8.1	30.8	
10-11 PM	2098	0.0	1500	1501	597	16.55+	405	68.1	8.1	30.8	
11PM-MID	1414	0.0	1500	1413	2	15.35+	374	69.0	8.5	30.8	

+ INDICATES QUEUEING EXCEEDS USER-SPECIFIED MAXIMUM LIMIT

----- SITE BREAKDOWN DELAYS -----	
BREAKDOWN DURATION (MINS)	0
RANGE OF QUEUE DELAY - MIN (VEH-H) MAX	0.0
AV BREAKDOWNS PER DAY	0.00
AV QUEUE DELAY/DAY (VEH-H)	0.0
AV TOTAL DELAY/DAY (VEH-H)	0.0

----- SITE ACCIDENT DELAYS -----	
BREAKDOWN DURATION (MINS)	0
RANGE OF QUEUE DELAY - MIN (VEH-H) MAX	0
AV BREAKDOWNS PER DAY	0
AV QUEUE DELAY/DAY (VEH-H)	0
AV TOTAL DELAY/DAY (VEH-H)	0

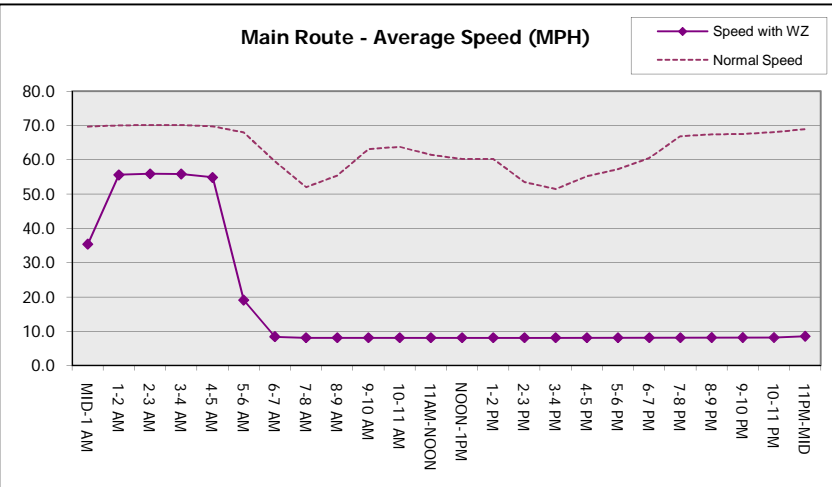
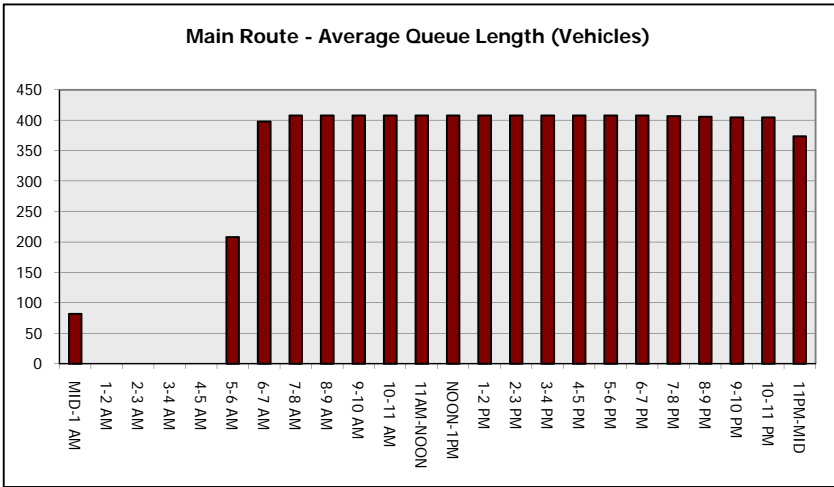
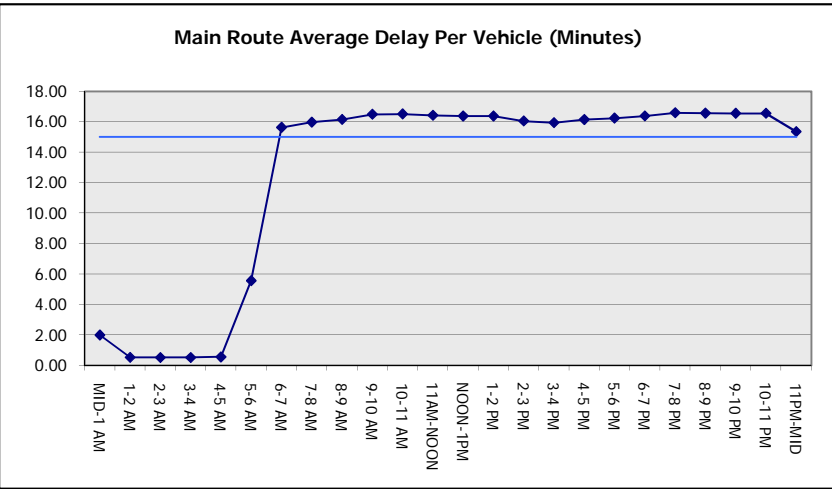
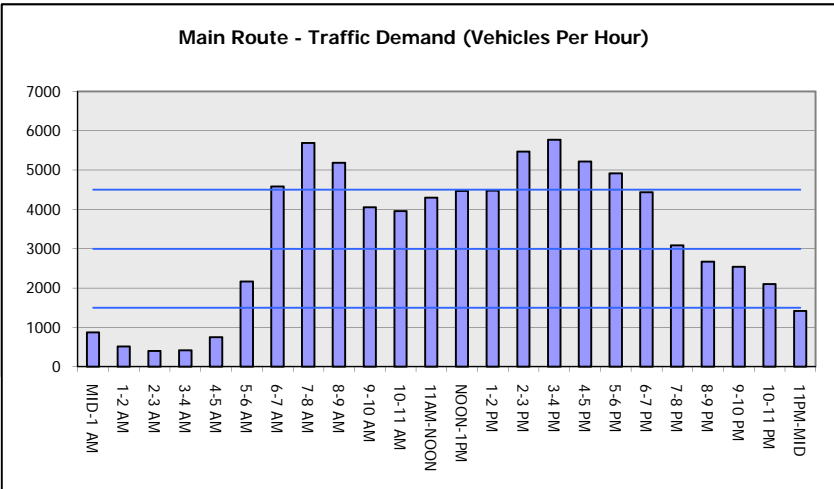
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0303
MAIN ROUTE WITH WORKS	0.0100
'DIVERSION'	0.0422
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$267,447
CONGESTED HOURS PER DAY*	19

*Delays Exceeding User-Specified Maximum

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



IH 94: STH 181 TO USH 41 (MILWAUKEE COUNTY) CONTINUOUS (24 HOUR) 2 LANE CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	AUGUST
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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 ROUTE		SITE CAPA CITY	FLOW		AV.DEL PER VEH (MINS)	AVERAGE QUEUE (VEH)	MAIN ROUTE		SITE	
	DEMAND FLOW	PCT HEAVY		MAIN ROUTE	'DIVER TED'			WITHOUT WORK ZONE	WITH WORK ZONE		
MID-1 AM	755	0.0	1499	755	0	2.72	142	69.8	30.1	39.9	
1-2 AM	452	0.0	1500	452	0	0.53	0	70.2	55.8	43.7	
2-3 AM	395	0.0	1500	395	0	0.52	0	70.2	56.0	43.9	
3-4 AM	367	0.0	1500	367	0	0.52	0	70.2	56.0	44.0	
4-5 AM	611	0.0	1500	611	0	0.54	0	70.0	55.3	43.1	
5-6 AM	2488	0.0	1499	1930	558	7.65+	234	67.6	15.0	30.8	
6-7 AM	5542	0.0	1500	1500	4042	16.02+	408	53.0	8.1	30.8	
7-8 AM	5934	0.0	1500	1500	4434	15.87+	408	50.3	8.1	30.8	
8-9 AM	5403	0.0	1500	1500	3903	16.07+	408	54.0	8.1	30.8	
9-10 AM	4297	0.0	1500	1500	2797	16.42+	408	61.5	8.1	30.8	
10-11 AM	4133	0.0	1500	1500	2633	16.47+	408	62.6	8.1	30.8	
11AM-NOON	4268	0.0	1500	1500	2768	16.43+	408	61.7	8.1	30.8	
NOON-1PM	4283	0.0	1500	1500	2783	16.43+	408	61.6	8.1	30.8	
1-2 PM	4267	0.0	1500	1500	2767	16.43+	408	61.7	8.1	30.8	
2-3 PM	4864	0.0	1500	1500	3364	16.26+	408	57.6	8.1	30.8	
3-4 PM	5128	0.0	1500	1500	3628	16.17+	408	55.8	8.1	30.8	
4-5 PM	5149	0.0	1500	1500	3649	16.16+	408	55.7	8.1	30.8	
5-6 PM	5210	0.0	1500	1500	3710	16.14+	408	55.3	8.1	30.8	
6-7 PM	4434	0.0	1500	1500	2934	16.38+	408	60.5	8.1	30.8	
7-8 PM	3522	0.0	1500	1500	2022	16.61+	408	66.4	8.1	30.8	
8-9 PM	3138	0.0	1499	1496	1642	16.60+	407	66.8	8.1	30.8	
9-10 PM	3125	0.0	1499	1496	1629	16.61+	407	66.8	8.1	30.8	
10-11 PM	2426	0.0	1500	1499	928	16.54+	405	67.7	8.1	30.8	
11PM-MID	1814	0.0	1500	1492	321	16.52+	404	68.5	8.1	30.8	

+ INDICATES QUEUEING EXCEEDS USER-SPECIFIED MAXIMUM LIMIT

BREAKDOWN DURATION (MINS)	0
RANGE OF QUEUE DELAY - MIN (VEH-H) MAX	0.0
AV BREAKDOWNS PER DAY	0.00
AV QUEUE DELAY/DAY (VEH-H)	0.0
AV TOTAL DELAY/DAY (VEH-H)	0.0

BREAKDOWN DURATION (MINS)	0
RANGE OF QUEUE DELAY - MIN (VEH-H) MAX	0
AV BREAKDOWNS PER DAY	0
AV QUEUE DELAY/DAY (VEH-H)	0
AV TOTAL DELAY/DAY (VEH-H)	0

MAIN ROUTE WITHOUT WORKS	0.0313
MAIN ROUTE WITH WORKS	0.0099
'DIVERSION'	0.0447

PIA: Personal Injury Accidents

ROAD USER COSTS PER DAY	\$279,474
CONGESTED HOURS PER DAY*	19

*Delays Exceeding User-Specified Maximum

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MON-THUR EASTBOUND DIRECTION

