

IH 94: USH 41 AND IH 43 (MILWAUKEE COUNTY) OFF-PEAK DAY 2 LANE CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	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		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	2170	0.0	OFF	2170	0	0.00	0	68.1	68.1	68.1	
1-2 AM	1458	0.0	OFF	1458	0	0.00	0	68.9	68.9	68.9	
2-3 AM	1497	0.0	OFF	1497	0	0.00	0	68.9	68.9	68.9	
3-4 AM	755	0.0	OFF	755	0	0.00	0	69.8	69.8	69.8	
4-5 AM	481	0.0	OFF	481	0	0.00	0	70.1	70.1	70.1	
5-6 AM	558	0.0	OFF	558	0	0.00	0	70.0	70.0	70.0	
6-7 AM	954	0.0	OFF	954	0	0.00	0	69.6	69.6	69.6	
7-8 AM	1216	0.0	OFF	1216	0	0.00	0	69.2	69.2	69.2	
8-9 AM	1284	0.0	OFF	1284	0	0.00	0	69.1	69.1	69.1	
9-10 AM	2396	0.0	1499	1825	571	10.40+	284	67.8	10.9	31.5	
10-11 AM	3476	0.0	1500	1516	1960	16.84+	415	66.4	7.6	31.5	
11AM-NOON	4191	0.0	1499	1500	2691	16.76+	417	62.2	7.6	31.5	
NOON-1PM	4467	0.0	1500	1500	2967	16.69+	417	60.4	7.6	31.5	
1-2 PM	4104	0.0	1499	1500	2604	16.78+	417	62.8	7.6	31.5	
2-3 PM	4149	0.0	1500	1500	2649	16.77+	417	62.5	7.6	31.5	
3-4 PM	4086	0.0	1500	1500	2586	16.79+	417	63.0	7.6	31.5	
4-5 PM	3971	0.0	1500	1500	2471	16.81+	417	63.7	7.6	31.5	
5-6 PM	3559	0.0	1500	1510	2048	16.89+	416	66.3	7.6	31.1	
6-7 PM	3396	0.0	1500	1512	1884	16.90+	415	66.5	7.6	30.8	
7-8 PM	3140	0.0	OFF	3140	0	0.24	23	66.8	59.2	59.2	
8-9 PM	2745	0.0	OFF	2745	0	0.00	0	67.3	67.3	67.3	
9-10 PM	2513	0.0	OFF	2513	0	0.00	0	67.6	67.6	67.6	
10-11 PM	2354	0.0	OFF	2354	0	0.00	0	67.8	67.8	67.8	
11PM-MID	1424	0.0	OFF	1424	0	0.00	0	69.0	69.0	69.0	

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

+ 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	0.0202
MAIN ROUTE WITH WORKS	0.0117
'DIVERSION'	0.0174
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$172,478
CONGESTED HOURS PER DAY*	10

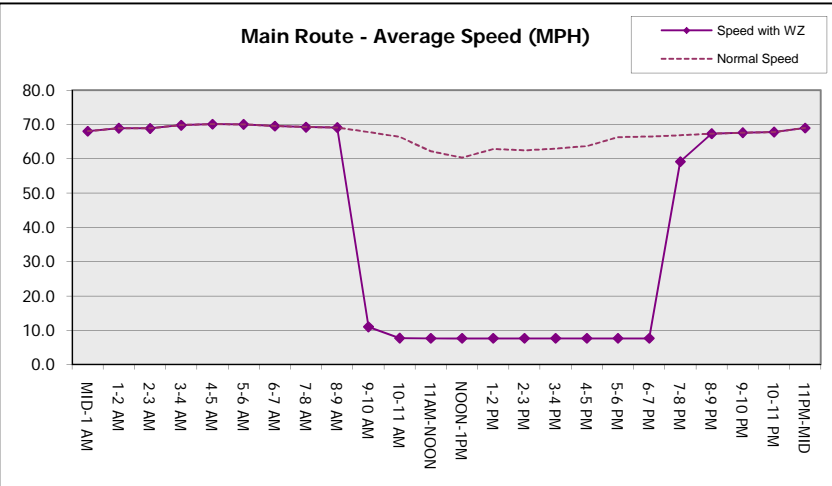
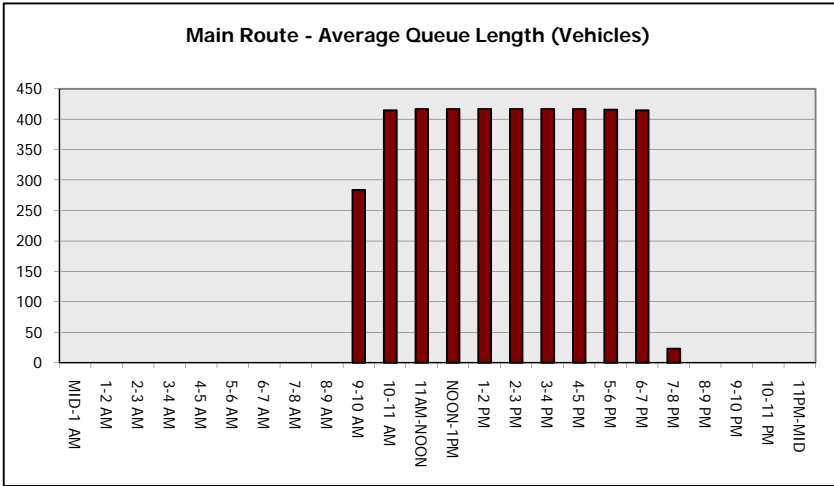
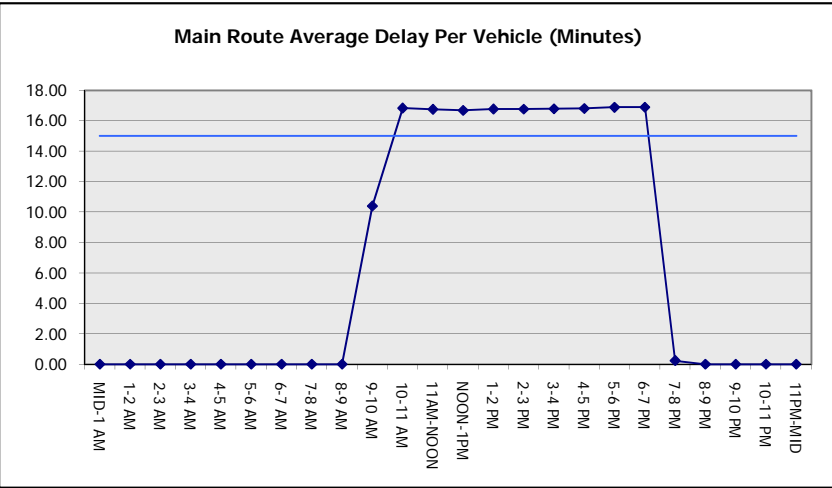
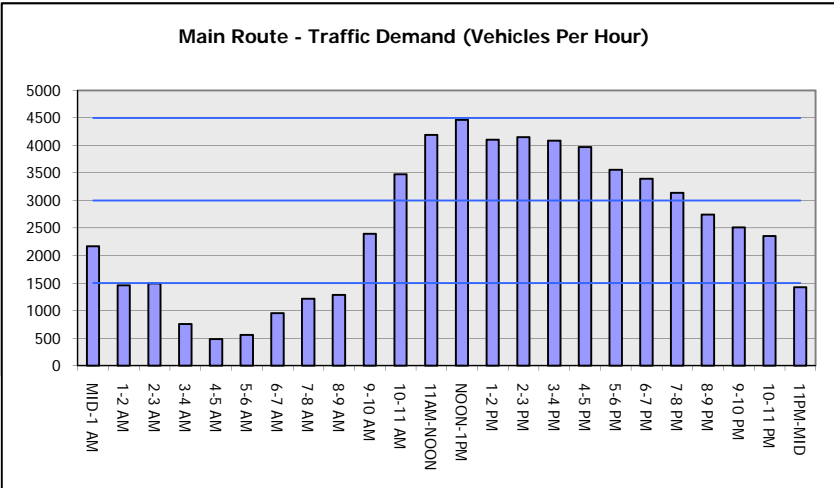
*Delays Exceeding User-Specified Maximum

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AUGUST
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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT

SUNDAY WESTBOUND DIRECTION



IH 94: USH 41 AND IH 43 (MILWAUKEE COUNTY) OFF-PEAK DAY 2 LANE CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	AUGUST
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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 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	1416	0.0	OFF	1416	0	0.00	0	69.0	69.0	69.0
1-2 AM	758	0.0	OFF	758	0	0.00	0	69.8	69.8	69.8
2-3 AM	575	0.0	OFF	575	0	0.00	0	70.0	70.0	70.0
3-4 AM	507	0.0	OFF	507	0	0.00	0	70.1	70.1	70.1
4-5 AM	331	0.0	OFF	331	0	0.00	0	70.2	70.2	70.2
5-6 AM	448	0.0	OFF	448	0	0.00	0	70.2	70.2	70.2
6-7 AM	739	0.0	OFF	739	0	0.00	0	69.8	69.8	69.8
7-8 AM	1048	0.0	OFF	1048	0	0.00	0	69.4	69.4	69.4
8-9 AM	1286	0.0	OFF	1286	0	0.00	0	69.1	69.1	69.1
9-10 AM	2222	0.0	1499	1872	351	9.76+	268	68.0	11.4	30.8
10-11 AM	2509	0.0	1499	1509	1000	16.79+	411	67.6	7.6	30.8
11AM-NOON	2686	0.0	1500	1512	1174	16.81+	412	67.4	7.6	30.8
NOON-1PM	2767	0.0	1500	1509	1257	16.82+	412	67.3	7.6	30.8
1-2 PM	3503	0.0	1499	1500	2003	16.95+	417	66.4	7.6	30.8
2-3 PM	3427	0.0	1500	1500	1927	16.96+	417	66.4	7.6	30.8
3-4 PM	3584	0.0	1500	1500	2084	16.95+	417	66.3	7.6	30.8
4-5 PM	3710	0.0	1500	1500	2210	16.93+	417	65.5	7.6	30.8
5-6 PM	3494	0.0	1500	1500	1994	16.95+	417	66.4	7.6	30.8
6-7 PM	3426	0.0	1500	1500	1926	16.96+	417	66.4	7.6	30.8
7-8 PM	2959	0.0	OFF	2959	0	0.28	26	67.1	58.4	58.4
8-9 PM	2748	0.0	OFF	2748	0	0.00	0	67.3	67.3	67.3
9-10 PM	2483	0.0	OFF	2483	0	0.00	0	67.6	67.6	67.6
10-11 PM	1680	0.0	OFF	1680	0	0.00	0	68.6	68.6	68.6
11PM-MID	994	0.0	OFF	994	0	0.00	0	69.5	69.5	69.5

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

+ 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	0.0165
MAIN ROUTE WITH WORKS	0.0101
'DIVERSION'	0.0123

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$143,119
CONGESTED HOURS PER DAY*	10

*Delays Exceeding User-Specified Maximum

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SUNDAY EASTBOUND DIRECTION

