

IH 94: USH 41 AND IH 43 (MILWAUKEE COUNTY) OFF-PEAK DAY 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	2999	2396	0	0.42	0	67.8	55.3	46.4	
10-11 AM	3476	0.0	2999	3476	0	3.22	181	66.4	25.0	37.3	
11AM-NOON	4191	0.0	3000	3439	752	15.56+	840	62.2	10.6	37.3	
NOON-1PM	4467	0.0	2999	3018	1448	17.31+	932	60.4	10.1	37.3	
1-2 PM	4104	0.0	3000	2965	1139	16.87+	900	62.8	10.2	37.3	
2-3 PM	4149	0.0	2999	3002	1147	16.84+	899	62.5	10.2	37.3	
3-4 PM	4086	0.0	3000	2996	1090	16.79+	895	63.0	10.2	37.3	
4-5 PM	3971	0.0	3000	2999	972	16.79+	894	63.7	10.2	37.3	
5-6 PM	3559	0.0	3000	2998	561	16.85+	890	66.3	10.2	37.3	
6-7 PM	3396	0.0	3000	2998	398	16.83+	888	66.5	10.2	37.3	
7-8 PM	3140	0.0	OFF	3140	0	1.49	138	66.8	37.3	37.3	
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	0.0157
'DIVERSION'	0.0058
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$149,928
CONGESTED HOURS PER DAY*	8

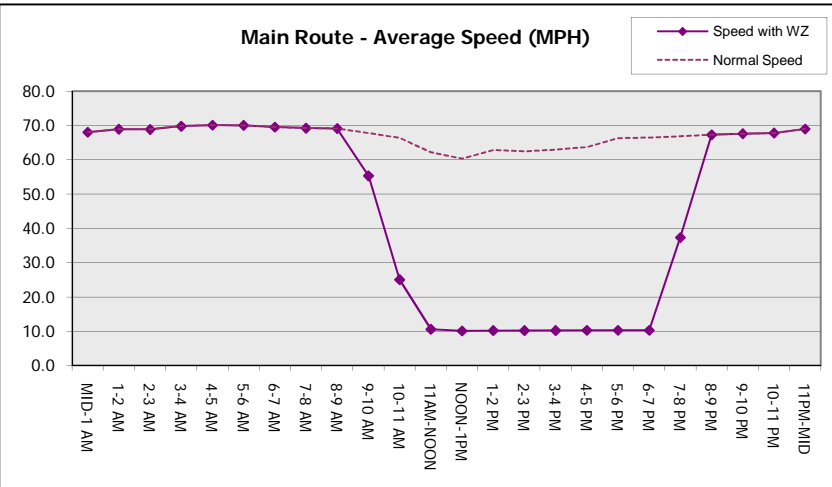
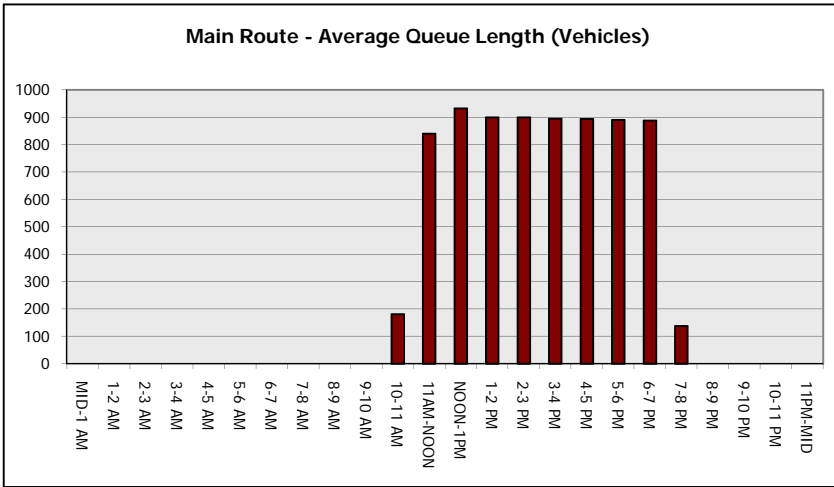
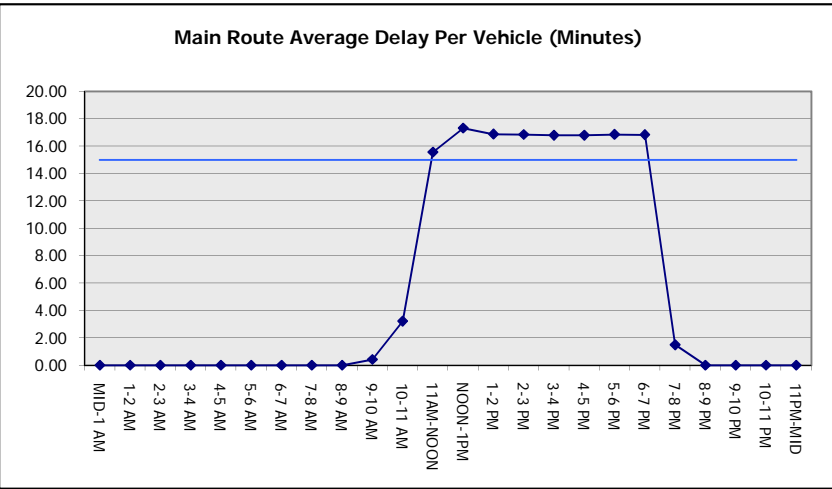
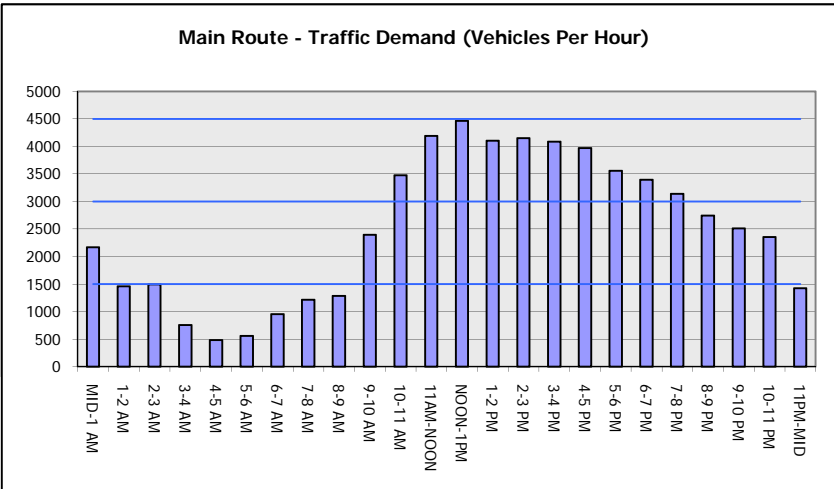
*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT

SUNDAY WESTBOUND DIRECTION



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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	3000	2222	0	0.33	0	68.0	57.7	49.7
10-11 AM	2509	0.0	3000	2509	0	0.41	0	67.6	55.5	46.6
11AM-NOON	2686	0.0	3000	2686	0	0.52	0	67.4	52.7	42.7
NOON-1PM	2767	0.0	2999	2767	0	0.57	0	67.3	51.5	41.2
1-2 PM	3503	0.0	2999	3503	0	4.16	230	66.4	21.5	37.3
2-3 PM	3427	0.0	2999	3427	0	13.51+	714	66.4	11.2	37.3
3-4 PM	3584	0.0	2999	2981	602	16.86+	890	66.3	10.2	37.3
4-5 PM	3710	0.0	2999	2991	720	16.84+	891	65.5	10.2	37.3
5-6 PM	3494	0.0	2999	2994	500	16.84+	889	66.4	10.2	37.3
6-7 PM	3426	0.0	2999	2997	429	16.83+	888	66.4	10.2	37.3
7-8 PM	2959	0.0	OFF	2959	0	1.38	131	67.1	38.6	38.6
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	0.0138
'DIVERSION'	0.0017

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$84,117
CONGESTED HOURS PER DAY*	5

*Delays Exceeding User-Specified Maximum

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SUNDAY EASTBOUND DIRECTION

