

IH 94: USH 41 AND IH 43 (MILWAUKEE COUNTY) OFF-PEAK DAY CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	MAY
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

SATURDAY 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	1404	0.0	OFF	1404	0	0.00	0	69.0	69.0	69.0	
1-2 AM	1331	0.0	OFF	1331	0	0.00	0	69.1	69.1	69.1	
2-3 AM	945	0.0	OFF	945	0	0.00	0	69.6	69.6	69.6	
3-4 AM	694	0.0	OFF	694	0	0.00	0	69.9	69.9	69.9	
4-5 AM	929	0.0	OFF	929	0	0.00	0	69.6	69.6	69.6	
5-6 AM	1492	0.0	OFF	1492	0	0.00	0	68.9	68.9	68.9	
6-7 AM	2162	0.0	OFF	2162	0	0.00	0	68.1	68.1	68.1	
7-8 AM	2800	0.0	OFF	2800	0	0.00	0	67.3	67.3	67.3	
8-9 AM	3469	0.0	2999	3469	0	3.57	197	66.4	23.5	37.3	
9-10 AM	3976	0.0	3000	3431	545	14.79+	792	63.7	10.8	37.3	
10-11 AM	4247	0.0	2999	3019	1228	16.96+	908	61.9	10.2	37.3	
11AM-NOON	4574	0.0	2999	3032	1541	17.44+	942	59.6	10.1	37.3	
NOON-1PM	4716	0.0	3000	3000	1716	17.58+	953	58.6	10.0	37.3	
1-2 PM	4770	0.0	3000	3000	1770	17.56+	953	58.2	10.0	37.3	
2-3 PM	4843	0.0	3000	3000	1843	17.53+	953	57.8	10.0	37.3	
3-4 PM	4732	0.0	3000	3000	1732	17.57+	953	58.6	10.0	37.3	
4-5 PM	4323	0.0	3000	2951	1371	17.21+	924	61.4	10.1	37.3	
5-6 PM	3546	0.0	3000	2994	552	16.85+	890	66.3	10.2	37.3	
6-7 PM	2983	0.0	OFF	2983	0	1.41	133	67.0	38.3	38.3	
7-8 PM	2715	0.0	OFF	2715	0	0.00	0	67.4	67.4	67.4	
8-9 PM	2952	0.0	OFF	2952	0	0.00	0	67.1	67.1	67.1	
9-10 PM	3166	0.0	OFF	3166	0	0.00	0	66.8	66.8	66.8	
10-11 PM	2788	0.0	OFF	2788	0	0.00	0	67.3	67.3	67.3	
11PM-MID	1976	0.0	OFF	1976	0	0.00	0	68.2	68.2	68.2	

"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

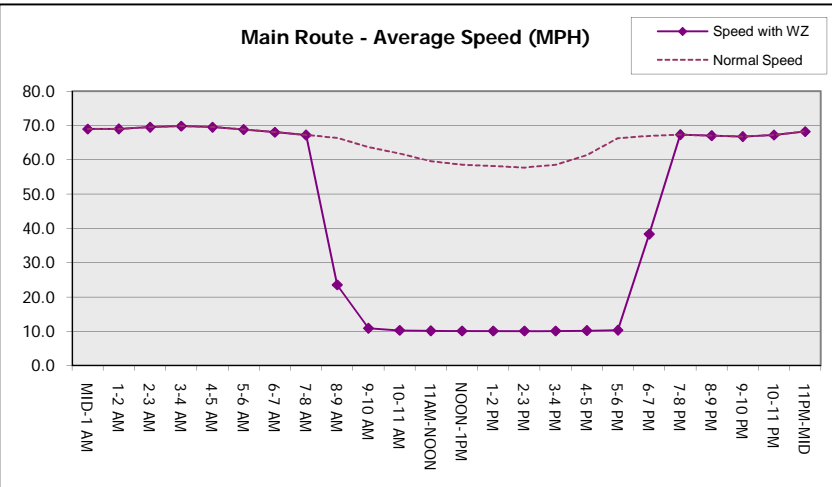
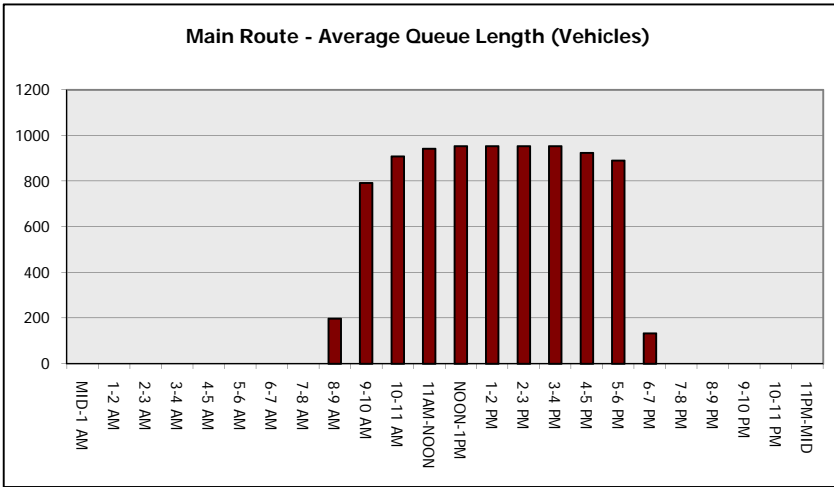
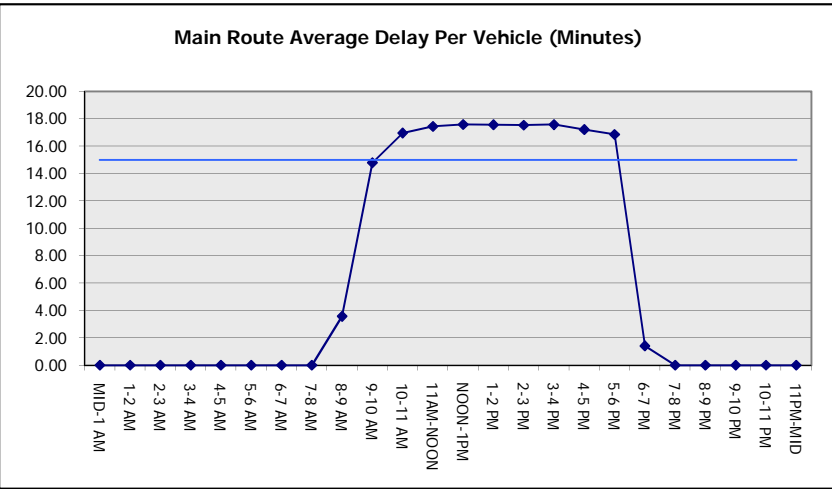
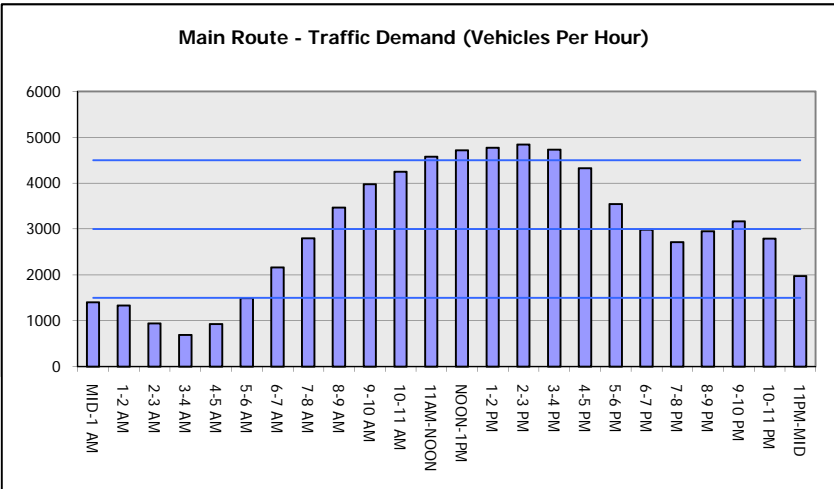
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0239
MAIN ROUTE WITH WORKS	0.0178
'DIVERSION'	0.0095
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$189,780
CONGESTED HOURS PER DAY*	9

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SATURDAY WESTBOUND DIRECTION



IH 94: USH 41 AND IH 43 (MILWAUKEE COUNTY) OFF-PEAK DAY CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	MAY
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SUMMARY OF TRAFFIC MODEL OUTPUT

SATURDAY 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	905	0.0	OFF	905	0	0.00	0	69.6	69.6	69.6
1-2 AM	716	0.0	OFF	716	0	0.00	0	69.9	69.9	69.9
2-3 AM	576	0.0	OFF	576	0	0.00	0	70.0	70.0	70.0
3-4 AM	540	0.0	OFF	540	0	0.00	0	70.0	70.0	70.0
4-5 AM	835	0.0	OFF	835	0	0.00	0	69.7	69.7	69.7
5-6 AM	1304	0.0	OFF	1304	0	0.00	0	69.1	69.1	69.1
6-7 AM	1904	0.0	OFF	1904	0	0.00	0	68.4	68.4	68.4
7-8 AM	2533	0.0	OFF	2533	0	0.00	0	67.6	67.6	67.6
8-9 AM	3040	0.0	2999	3040	0	0.98	17	66.9	44.0	37.7
9-10 AM	3307	0.0	3000	3307	0	4.19	208	66.6	20.9	37.3
10-11 AM	3438	0.0	3000	3438	0	11.01+	579	66.4	12.2	37.3
11AM-NOON	3764	0.0	2999	3051	713	16.86+	893	65.1	10.2	37.3
NOON-1PM	3828	0.0	3000	3014	814	16.82+	892	64.7	10.2	37.3
1-2 PM	3782	0.0	3000	3007	775	16.82+	892	65.0	10.2	37.3
2-3 PM	3728	0.0	3000	3003	725	16.83+	891	65.4	10.2	37.3
3-4 PM	3545	0.0	3000	3001	544	16.85+	889	66.3	10.2	37.3
4-5 PM	3276	0.0	3000	2999	277	16.82+	887	66.6	10.2	37.3
5-6 PM	3480	0.0	2999	3001	480	16.84+	889	66.4	10.2	37.3
6-7 PM	3573	0.0	OFF	3573	0	1.81	162	66.3	33.9	33.9
7-8 PM	2956	0.0	OFF	2956	0	0.00	0	67.1	67.1	67.1
8-9 PM	3112	0.0	OFF	3112	0	0.00	0	66.9	66.9	66.9
9-10 PM	3086	0.0	OFF	3086	0	0.00	0	66.9	66.9	66.9
10-11 PM	2235	0.0	OFF	2235	0	0.00	0	67.9	67.9	67.9
11PM-MID	1569	0.0	OFF	1569	0	0.00	0	68.8	68.8	68.8

"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	0.0
(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	0
(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	0.0204
MAIN ROUTE WITH WORKS	0.0169
'DIVERSION'	0.0033

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$133,272
CONGESTED HOURS PER DAY*	8

*Delays Exceeding User-Specified Maximum

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SATURDAY EASTBOUND DIRECTION

