

IH 94: STH 181 TO USH 41 (MILWAUKEE COUNTY) CONTINUOUS (24 HOUR) CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	MAY
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

FRIDAY 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	1061	0.0	3000	1061	0	0.40	4	69.4	58.1	49.7	
1-2 AM	662	0.0	3000	662	0	0.36	0	69.9	59.6	49.7	
2-3 AM	590	0.0	3000	590	0	0.36	0	70.0	59.6	49.7	
3-4 AM	461	0.0	3000	461	0	0.36	0	70.2	59.7	49.7	
4-5 AM	784	0.0	3000	784	0	0.35	0	69.7	59.6	49.7	
5-6 AM	2186	0.0	2999	2186	0	0.42	0	68.0	56.8	46.6	
6-7 AM	4498	0.0	2999	3991	507	8.85+	551	60.1	14.9	37.3	
7-8 AM	5856	0.0	3000	3000	2856	16.62+	932	50.9	10.4	37.3	
8-9 AM	5197	0.0	3000	2969	2228	16.93+	930	55.3	10.4	37.3	
9-10 AM	4140	0.0	2999	2934	1206	16.77+	896	62.6	10.6	37.3	
10-11 AM	4020	0.0	2999	2990	1030	16.57+	882	63.4	10.6	37.3	
11AM-NOON	4790	0.0	2999	3039	1751	17.06+	927	58.1	10.4	37.3	
NOON-1PM	5289	0.0	3000	3000	2289	16.93+	932	54.7	10.4	37.3	
1-2 PM	5150	0.0	3000	3000	2150	16.99+	932	55.6	10.4	37.3	
2-3 PM	5677	0.0	3000	3000	2677	16.72+	932	52.1	10.4	37.3	
3-4 PM	5649	0.0	3000	3000	2649	16.74+	932	52.3	10.4	37.3	
4-5 PM	5301	0.0	3000	3000	2301	16.92+	932	54.6	10.4	37.3	
5-6 PM	4752	0.0	3000	3003	1749	17.12+	929	58.4	10.4	37.3	
6-7 PM	3875	0.0	3000	2964	911	16.66+	884	64.4	10.6	37.3	
7-8 PM	3221	0.0	2999	2985	236	16.59+	874	66.8	10.7	37.3	
8-9 PM	2680	0.0	2999	2680	0	13.63+	714	67.4	11.6	37.3	
9-10 PM	3257	0.0	3000	3257	0	12.51+	653	66.7	12.0	37.3	
10-11 PM	3667	0.0	2999	3039	628	16.65+	880	65.8	10.7	37.3	
11PM-MID	2275	0.0	2999	2275	0	9.93+	570	67.9	14.0	42.4	

+ 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

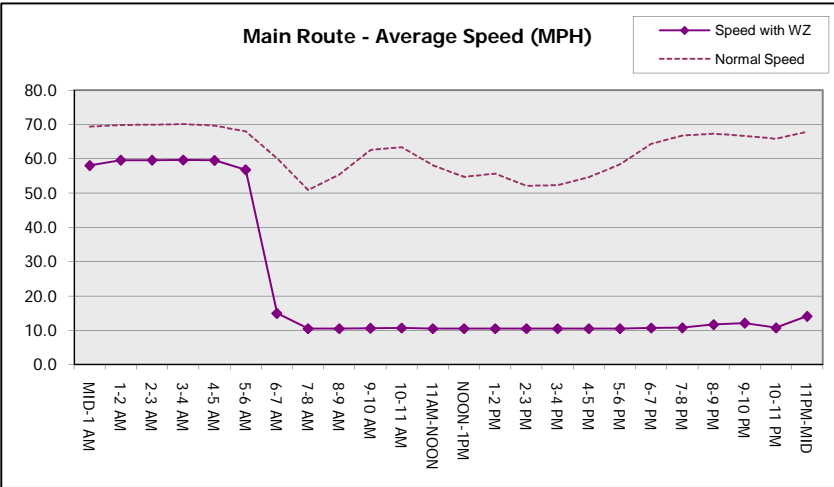
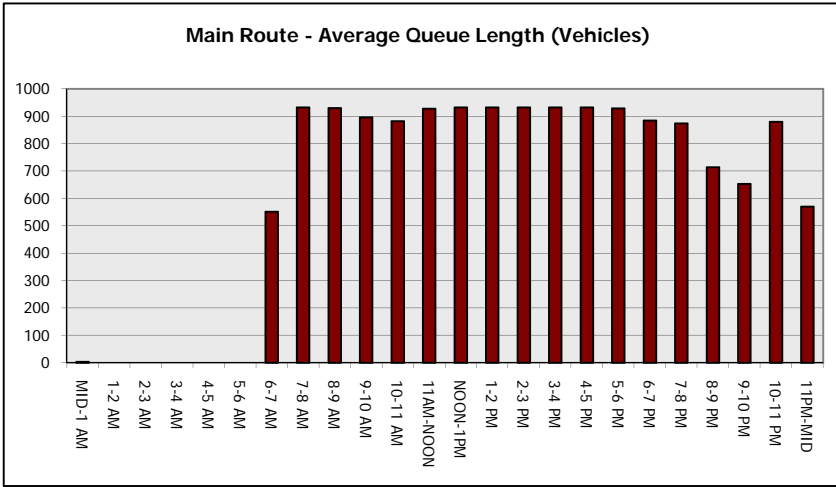
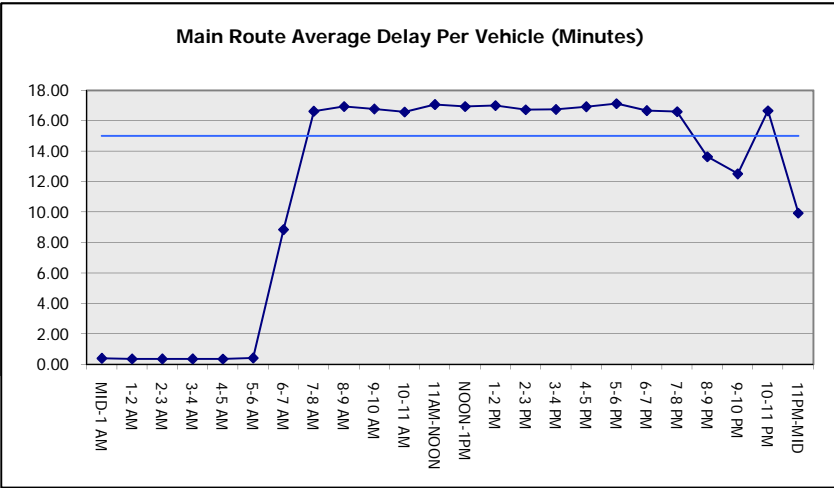
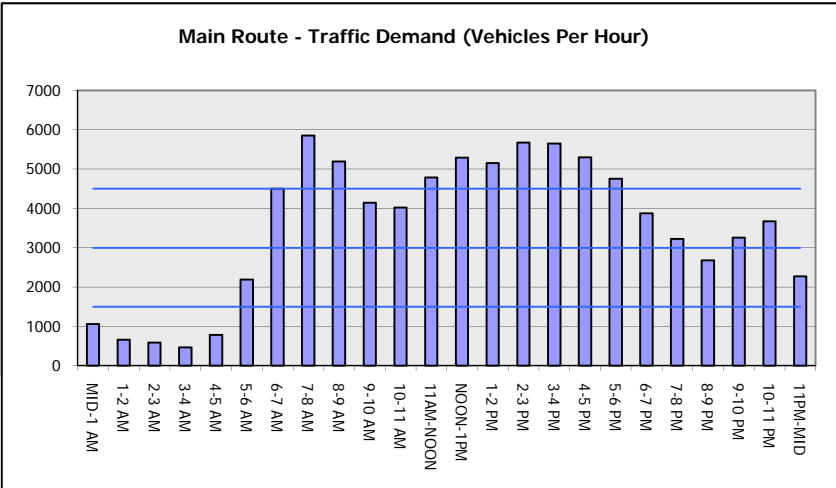
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0325
MAIN ROUTE WITH WORKS	0.0189
'DIVERSION'	0.0222
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$285,509
CONGESTED HOURS PER DAY*	18

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY WESTBOUND DIRECTION



IH 94: STH 181 TO USH 41 (MILWAUKEE COUNTY) CONTINUOUS (24 HOUR) CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	MAY
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SUMMARY OF TRAFFIC MODEL OUTPUT

FRIDAY 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	903	0.0	3000	903	0	0.35	0	69.6	59.5	49.7	
1-2 AM	556	0.0	3000	556	0	0.36	0	70.0	59.7	49.7	
2-3 AM	406	0.0	3000	406	0	0.36	0	70.2	59.7	49.7	
3-4 AM	332	0.0	3000	332	0	0.36	0	70.2	59.7	49.7	
4-5 AM	609	0.0	3000	609	0	0.36	0	70.0	59.6	49.7	
5-6 AM	2285	0.0	2999	2285	0	0.48	0	67.9	55.3	44.5	
6-7 AM	5338	0.0	2999	3921	1418	12.04+	696	54.4	12.2	37.3	
7-8 AM	6263	0.0	3000	3000	3263	16.38+	933	48.1	10.4	37.3	
8-9 AM	5218	0.0	3000	3000	2218	16.96+	932	55.2	10.4	37.3	
9-10 AM	4301	0.0	3000	2967	1334	16.85+	904	61.5	10.6	37.3	
10-11 AM	3870	0.0	3000	2997	872	16.58+	880	64.4	10.7	37.3	
11AM-NOON	4398	0.0	2999	3036	1362	16.85+	906	60.8	10.6	37.3	
NOON-1PM	4722	0.0	2999	3004	1718	17.18+	932	58.6	10.4	37.3	
1-2 PM	4723	0.0	3000	3000	1722	17.19+	932	58.6	10.4	37.3	
2-3 PM	5004	0.0	3000	3000	2004	17.06+	932	56.7	10.4	37.3	
3-4 PM	5355	0.0	2999	3000	2355	16.89+	932	54.3	10.4	37.3	
4-5 PM	5571	0.0	3000	3000	2571	16.78+	932	52.8	10.4	37.3	
5-6 PM	5369	0.0	3000	3000	2369	16.89+	932	54.2	10.4	37.3	
6-7 PM	4075	0.0	3000	2969	1107	16.71+	891	63.0	10.6	37.3	
7-8 PM	3824	0.0	2999	2994	830	16.59+	880	64.7	10.7	37.3	
8-9 PM	3172	0.0	3000	2995	177	16.60+	874	66.8	10.7	37.3	
9-10 PM	3291	0.0	2999	2997	294	16.61+	875	66.6	10.7	37.3	
10-11 PM	2936	0.0	3000	2900	36	16.18+	851	67.1	10.8	37.3	
11PM-MID	2227	0.0	2999	2227	0	7.33	456	67.9	17.0	43.0	

+ 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	0.0323
MAIN ROUTE WITH WORKS	0.0187
'DIVERSION'	0.0227

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$292,654
CONGESTED HOURS PER DAY*	17

*Delays Exceeding User-Specified Maximum

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FRIDAY EASTBOUND DIRECTION

