

IH 94: STH 181 TO USH 41 (MILWAUKEE COUNTY) OFF-PEAK DAY CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	MAY
	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	1409	0.0	OFF	1409	0	0.00	0	69.0	69.0	69.0
1-2 AM	1072	0.0	OFF	1072	0	0.00	0	69.4	69.4	69.4
2-3 AM	1135	0.0	OFF	1135	0	0.00	0	69.3	69.3	69.3
3-4 AM	528	0.0	OFF	528	0	0.00	0	70.0	70.0	70.0
4-5 AM	409	0.0	OFF	409	0	0.00	0	70.2	70.2	70.2
5-6 AM	522	0.0	OFF	522	0	0.00	0	70.1	70.1	70.1
6-7 AM	888	0.0	OFF	888	0	0.00	0	69.6	69.6	69.6
7-8 AM	1130	0.0	OFF	1130	0	0.00	0	69.3	69.3	69.3
8-9 AM	1548	0.0	OFF	1548	0	0.00	0	68.8	68.8	68.8
9-10 AM	2313	0.0	2999	2313	0	0.36	0	67.9	58.0	48.4
10-11 AM	2918	0.0	2999	2918	0	0.80	9	67.1	48.9	39.2
11AM-NOON	3557	0.0	3000	3557	0	5.04	282	66.3	20.6	37.3
NOON-1PM	3956	0.0	2999	3320	636	15.92+	849	63.8	10.9	37.3
1-2 PM	3799	0.0	2999	2986	813	16.60+	880	64.9	10.7	37.3
2-3 PM	3951	0.0	2999	2992	959	16.57+	881	63.8	10.6	37.3
3-4 PM	4056	0.0	2999	2992	1064	16.56+	882	63.2	10.6	37.3
4-5 PM	4369	0.0	2999	3016	1353	16.85+	905	61.0	10.6	37.3
5-6 PM	3419	0.0	3000	2991	428	16.62+	876	66.5	10.7	37.3
6-7 PM	2716	0.0	2999	2716	0	14.84+	780	67.4	11.2	37.3
7-8 PM	2378	0.0	OFF	2378	0	0.53	50	67.8	54.2	54.2
8-9 PM	2010	0.0	OFF	2010	0	0.00	0	68.2	68.2	68.2
9-10 PM	1810	0.0	OFF	1810	0	0.00	0	68.5	68.5	68.5
10-11 PM	1398	0.0	OFF	1398	0	0.00	0	69.0	69.0	69.0
11PM-MID	906	0.0	OFF	906	0	0.00	0	69.6	69.6	69.6

"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

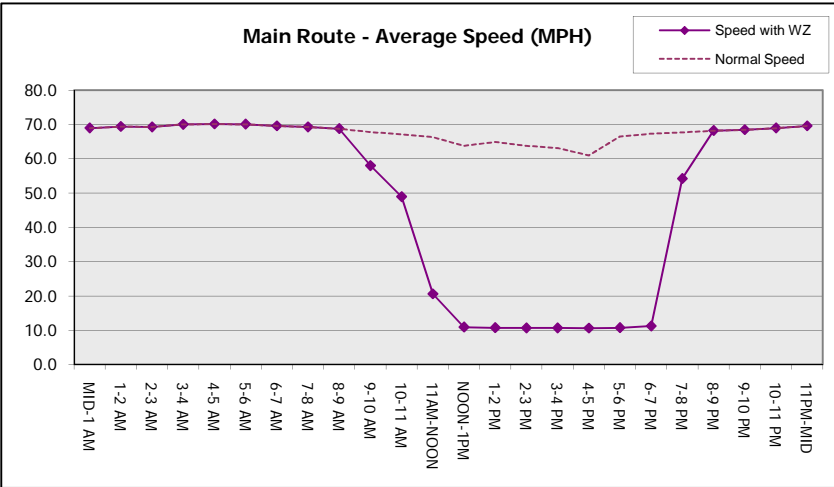
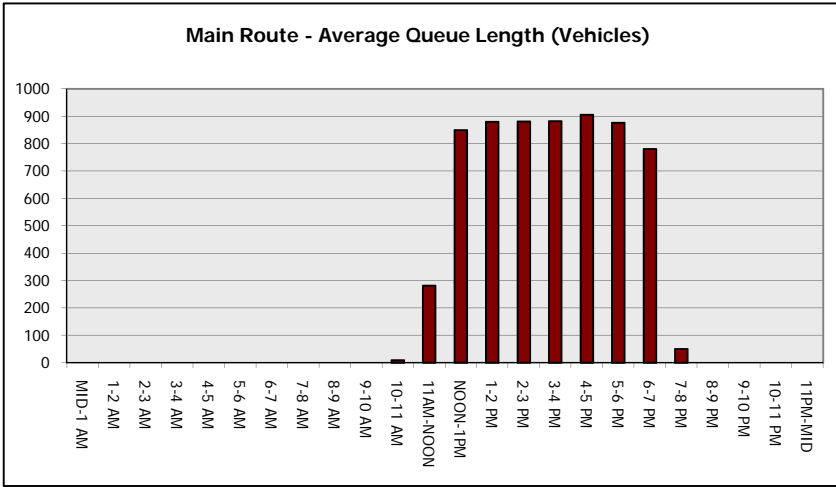
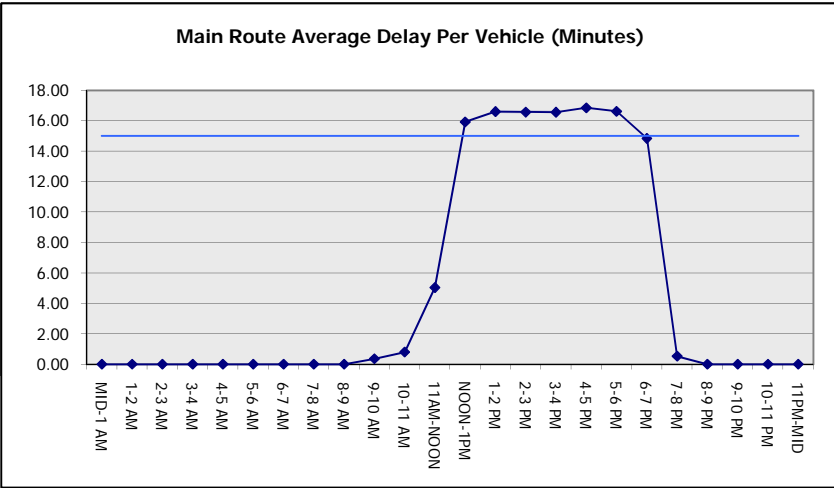
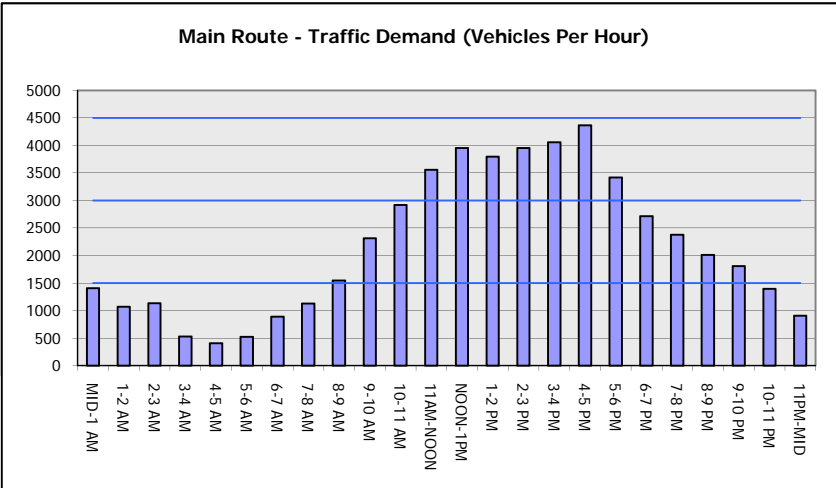
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0199
MAIN ROUTE WITH WORKS	0.0160
'DIVERSION'	0.0046
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$124,497
CONGESTED HOURS PER DAY*	7

*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	1153	0.0	OFF	1153	0	0.00	0	69.3	69.3	69.3
1-2 AM	692	0.0	OFF	692	0	0.00	0	69.9	69.9	69.9
2-3 AM	547	0.0	OFF	547	0	0.00	0	70.0	70.0	70.0
3-4 AM	345	0.0	OFF	345	0	0.00	0	70.2	70.2	70.2
4-5 AM	264	0.0	OFF	264	0	0.00	0	70.2	70.2	70.2
5-6 AM	413	0.0	OFF	413	0	0.00	0	70.2	70.2	70.2
6-7 AM	789	0.0	OFF	789	0	0.00	0	69.7	69.7	69.7
7-8 AM	1160	0.0	OFF	1160	0	0.00	0	69.3	69.3	69.3
8-9 AM	1823	0.0	OFF	1823	0	0.00	0	68.5	68.5	68.5
9-10 AM	2431	0.0	2999	2431	0	0.39	0	67.7	57.1	47.2
10-11 AM	3094	0.0	2999	3094	0	1.21	35	66.9	42.8	38.0
11AM-NOON	3980	0.0	3000	3804	176	10.36+	590	63.7	13.4	37.3
NOON-1PM	3644	0.0	3000	2970	674	16.63+	879	66.0	10.7	37.3
1-2 PM	3830	0.0	2999	2984	847	16.59+	880	64.7	10.7	37.3
2-3 PM	3753	0.0	2999	2991	763	16.61+	879	65.2	10.7	37.3
3-4 PM	3733	0.0	2999	2995	738	16.61+	879	65.3	10.7	37.3
4-5 PM	3700	0.0	2999	2997	703	16.61+	879	65.6	10.7	37.3
5-6 PM	3549	0.0	3000	2998	552	16.63+	877	66.3	10.7	37.3
6-7 PM	3496	0.0	2999	2998	497	16.62+	877	66.4	10.7	37.3
7-8 PM	3102	0.0	OFF	3102	0	1.44	133	66.9	40.0	40.0
8-9 PM	2649	0.0	OFF	2649	0	0.00	0	67.4	67.4	67.4
9-10 PM	2377	0.0	OFF	2377	0	0.00	0	67.8	67.8	67.8
10-11 PM	1819	0.0	OFF	1819	0	0.00	0	68.5	68.5	68.5
11PM-MID	1036	0.0	OFF	1036	0	0.00	0	69.4	69.4	69.4

"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	0.0204
MAIN ROUTE WITH WORKS	0.0165
'DIVERSION'	0.0044

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$131,572
CONGESTED HOURS PER DAY*	8

*Delays Exceeding User-Specified Maximum

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SUNDAY EASTBOUND DIRECTION

