

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

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	OFF	1061	0	0.00	0	69.4	69.4	69.4
1-2 AM	662	0.0	OFF	662	0	0.00	0	69.9	69.9	69.9
2-3 AM	590	0.0	OFF	590	0	0.00	0	70.0	70.0	70.0
3-4 AM	461	0.0	OFF	461	0	0.00	0	70.2	70.2	70.2
4-5 AM	784	0.0	OFF	784	0	0.00	0	69.7	69.7	69.7
5-6 AM	2186	0.0	OFF	2186	0	0.00	0	68.0	68.0	68.0
6-7 AM	4498	0.0	OFF	4498	0	0.00	0	60.1	60.1	60.1
7-8 AM	5856	0.0	OFF	5856	0	0.00	0	50.9	50.9	50.9
8-9 AM	5197	0.0	OFF	5197	0	0.00	0	55.3	55.3	55.3
9-10 AM	4140	0.0	OFF	4140	0	0.00	0	62.6	62.6	62.6
10-11 AM	4020	0.0	2999	4020	0	8.04+	489	63.4	15.8	37.3
11AM-NOON	4790	0.0	2999	2905	1885	17.02+	925	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	17.00+	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	OFF	5649	0	7.63	750	52.3	13.8	13.8
4-5 PM	5301	0.0	OFF	5301	0	2.57	236	54.6	27.6	27.6
5-6 PM	4752	0.0	OFF	4752	0	0.00	0	58.4	58.4	58.4
6-7 PM	3875	0.0	OFF	3875	0	0.00	0	64.4	64.4	64.4
7-8 PM	3221	0.0	OFF	3221	0	0.00	0	66.8	66.8	66.8
8-9 PM	2680	0.0	OFF	2680	0	0.00	0	67.4	67.4	67.4
9-10 PM	3257	0.0	OFF	3257	0	0.00	0	66.7	66.7	66.7
10-11 PM	3667	0.0	OFF	3667	0	0.00	0	65.8	65.8	65.8
11PM-MID	2275	0.0	OFF	2275	0	0.00	0	67.9	67.9	67.9

"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

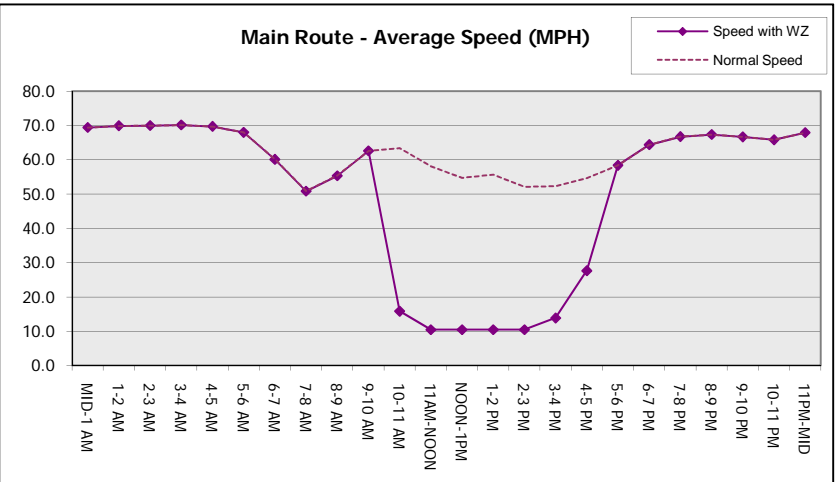
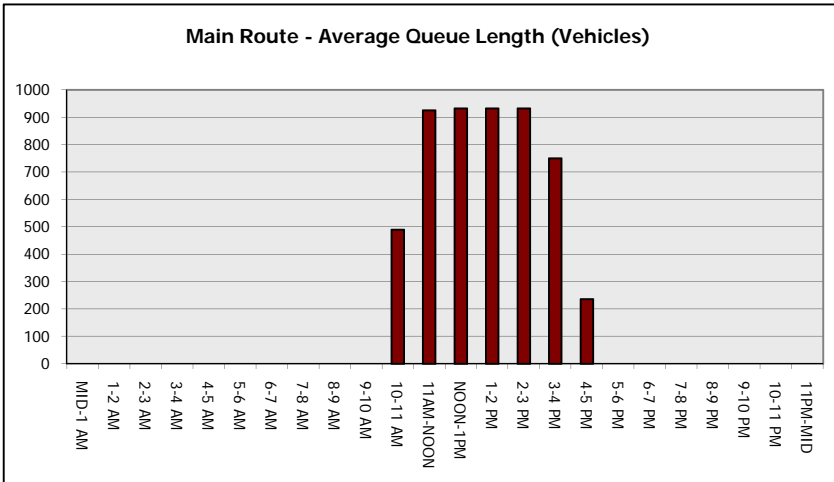
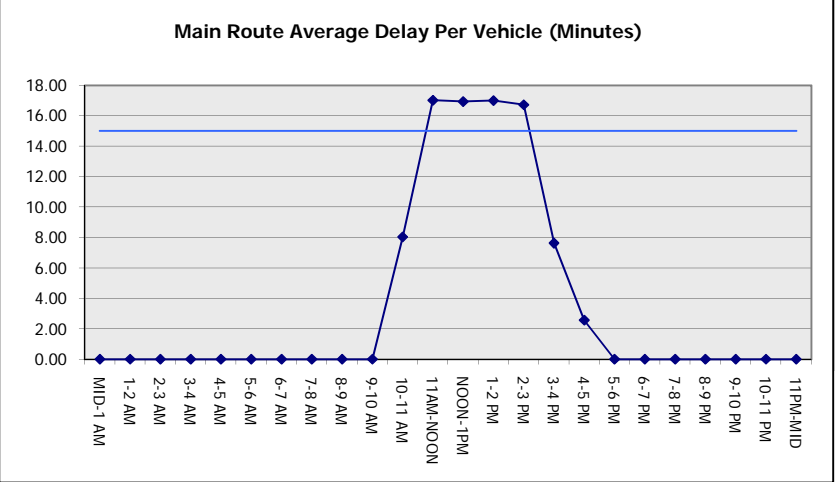
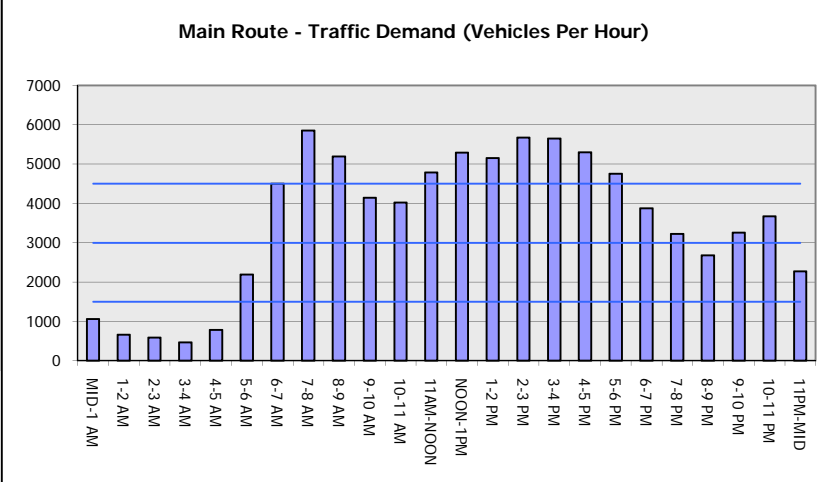
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0325
MAIN ROUTE WITH WORKS	0.0280
'DIVERSION'	0.0080
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$88,754
CONGESTED HOURS PER DAY*	5

*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) OFF-PEAK DAY 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	OFF	903	0	0.00	0	69.6	69.6	69.6
1-2 AM	556	0.0	OFF	556	0	0.00	0	70.0	70.0	70.0
2-3 AM	406	0.0	OFF	406	0	0.00	0	70.2	70.2	70.2
3-4 AM	332	0.0	OFF	332	0	0.00	0	70.2	70.2	70.2
4-5 AM	609	0.0	OFF	609	0	0.00	0	70.0	70.0	70.0
5-6 AM	2285	0.0	OFF	2285	0	0.00	0	67.9	67.9	67.9
6-7 AM	5338	0.0	OFF	5338	0	0.00	0	54.4	54.4	54.4
7-8 AM	6263	0.0	OFF	6263	0	0.00	0	48.1	48.1	48.1
8-9 AM	5218	0.0	OFF	5218	0	0.00	0	55.2	55.2	55.2
9-10 AM	4301	0.0	OFF	4301	0	0.00	0	61.5	61.5	61.5
10-11 AM	3870	0.0	2999	3870	0	7.26	431	64.4	16.7	37.3
11AM-NOON	4398	0.0	2999	3051	1347	16.83+	905	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	OFF	5355	0	6.26	602	54.3	16.1	16.1
4-5 PM	5571	0.0	OFF	5571	0	1.02	91	52.8	38.4	38.4
5-6 PM	5369	0.0	OFF	5369	0	0.00	0	54.2	54.2	54.2
6-7 PM	4075	0.0	OFF	4075	0	0.00	0	63.0	63.0	63.0
7-8 PM	3824	0.0	OFF	3824	0	0.00	0	64.7	64.7	64.7
8-9 PM	3172	0.0	OFF	3172	0	0.00	0	66.8	66.8	66.8
9-10 PM	3291	0.0	OFF	3291	0	0.00	0	66.6	66.6	66.6
10-11 PM	2936	0.0	OFF	2936	0	0.00	0	67.1	67.1	67.1
11PM-MID	2227	0.0	OFF	2227	0	0.00	0	67.9	67.9	67.9

"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	0.0323
MAIN ROUTE WITH WORKS	0.0287
'DIVERSION'	0.0060

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$78,008
CONGESTED HOURS PER DAY*	4

*Delays Exceeding User-Specified Maximum

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FRIDAY EASTBOUND DIRECTION

