

IH 94: STH 181 TO USH 41 (MILWAUKEE COUNTY) OFF-PEAK DAY 2 LANE 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	1499	1560	2460	16.68+	420	63.4	8.1	36.6	
11AM-NOON	4790	0.0	1499	1902	2888	14.89+	390	58.1	8.7	35.3	
NOON-1PM	5289	0.0	1499	1500	3789	16.12+	408	54.7	8.1	30.8	
1-2 PM	5150	0.0	1500	1500	3650	16.16+	408	55.6	8.1	30.8	
2-3 PM	5677	0.0	1500	1500	4177	15.97+	408	52.1	8.1	30.8	
3-4 PM	5649	0.0	OFF	5649	0	3.00	287	52.3	25.0	25.0	
4-5 PM	5301	0.0	OFF	5301	0	0.13	8	54.6	52.1	52.1	
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	0.0255
'DIVERSION'	0.0150
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$90,511
CONGESTED HOURS PER DAY*	5

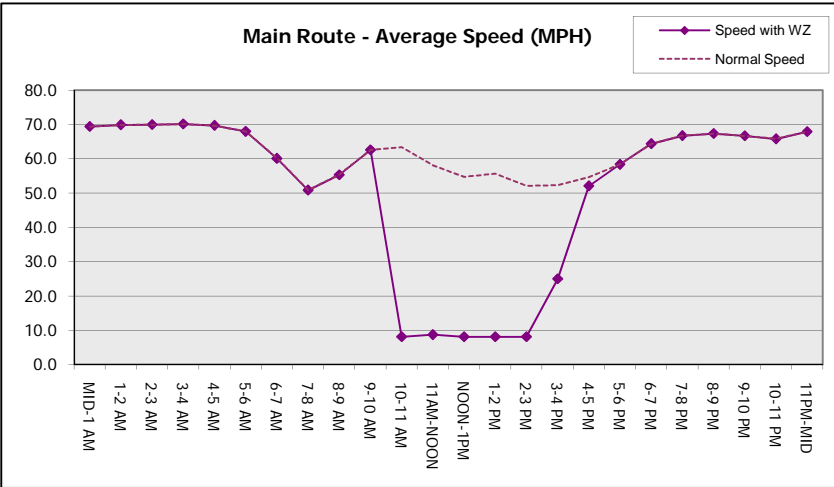
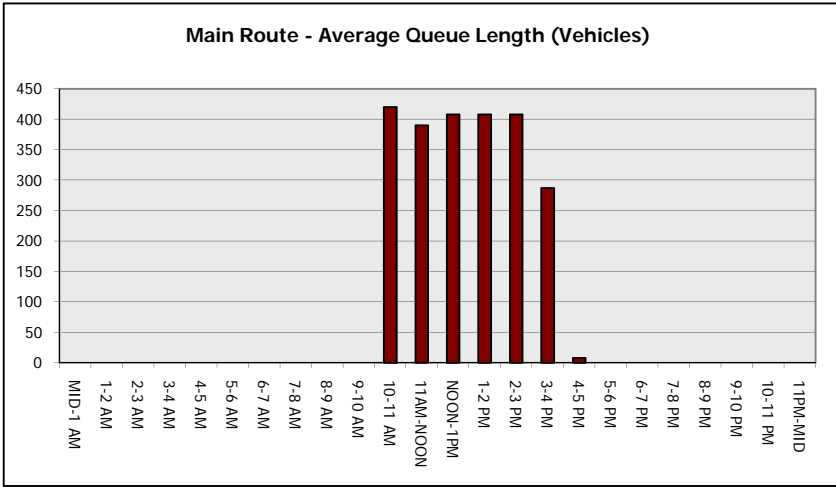
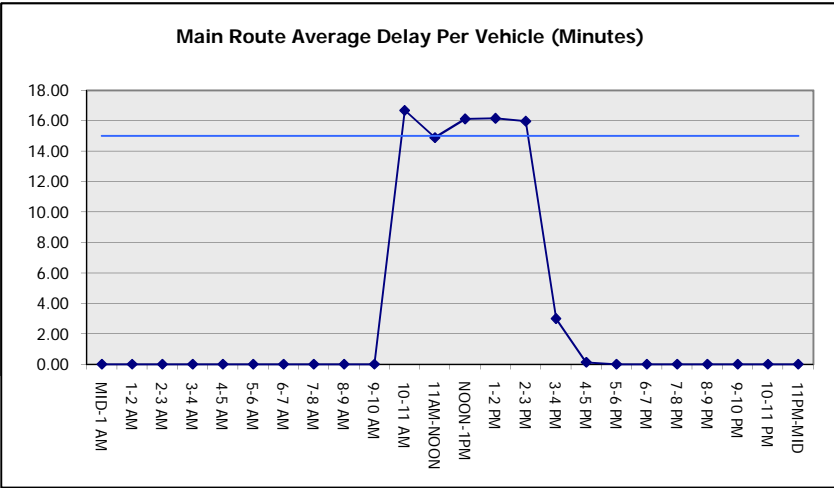
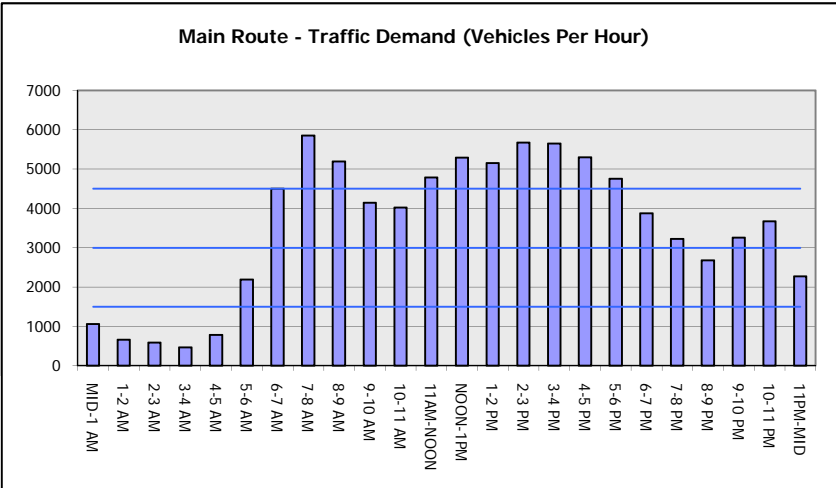
*Delays Exceeding User-Specified Maximum

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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 2 LANE 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	1499	1560	2309	16.72+	420	64.4	8.1	36.6
11AM-NOON	4398	0.0	1499	1825	2573	14.81+	387	60.8	8.8	35.4
NOON-1PM	4722	0.0	1499	1500	3222	16.30+	408	58.6	8.1	30.8
1-2 PM	4723	0.0	1499	1500	3223	16.30+	408	58.6	8.1	30.8
2-3 PM	5004	0.0	1500	1500	3504	16.21+	408	56.7	8.1	30.8
3-4 PM	5355	0.0	OFF	5355	0	1.28	114	54.3	36.6	36.6
4-5 PM	5571	0.0	OFF	5571	0	0.00	0	52.8	52.8	52.8
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	0.0262
'DIVERSION'	0.0131

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$81,050
CONGESTED HOURS PER DAY*	5

*Delays Exceeding User-Specified Maximum

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FRIDAY EASTBOUND DIRECTION

