

**IH 94: STH 181 TO USH 41 (MILWAUKEE COUNTY)
NIGHTTIME 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	1499	1061	0	6.57	230	69.4	16.7	36.0	
1-2 AM	662	0.0	1500	662	0	0.55	0	69.9	55.1	42.9	
2-3 AM	590	0.0	1500	590	0	0.54	0	70.0	55.4	43.2	
3-4 AM	461	0.0	1500	461	0	0.53	0	70.2	55.8	43.7	
4-5 AM	784	0.0	1500	784	0	0.56	0	69.7	54.8	42.5	
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	OFF	4020	0	0.00	0	63.4	63.4	63.4	
11AM-NOON	4790	0.0	OFF	4790	0	0.00	0	58.1	58.1	58.1	
NOON-1PM	5289	0.0	OFF	5289	0	0.00	0	54.7	54.7	54.7	
1-2 PM	5150	0.0	OFF	5150	0	0.00	0	55.6	55.6	55.6	
2-3 PM	5677	0.0	OFF	5677	0	0.00	0	52.1	52.1	52.1	
3-4 PM	5649	0.0	OFF	5649	0	0.00	0	52.3	52.3	52.3	
4-5 PM	5301	0.0	OFF	5301	0	0.00	0	54.6	54.6	54.6	
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	1499	1560	1661	16.79+	419	66.8	8.1	36.6	
8-9 PM	2680	0.0	1499	1690	989	14.01+	367	67.4	9.3	35.4	
9-10 PM	3257	0.0	1499	1550	1707	16.30+	403	66.7	8.2	33.4	
10-11 PM	3667	0.0	1500	1510	2156	16.42+	407	65.8	8.1	33.0	
11PM-MID	2275	0.0	1500	1587	688	16.18+	397	67.9	8.3	31.5	

"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	0.0290
'DIVERSION'	0.0064
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$59,219
CONGESTED HOURS PER DAY*	5

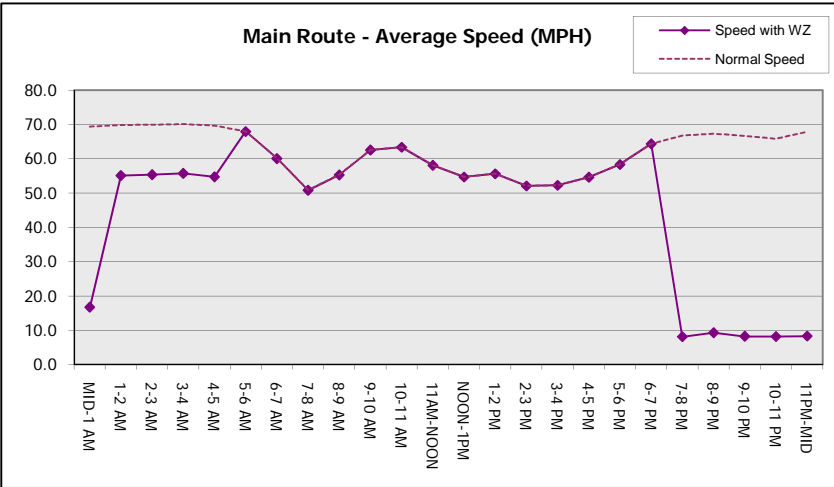
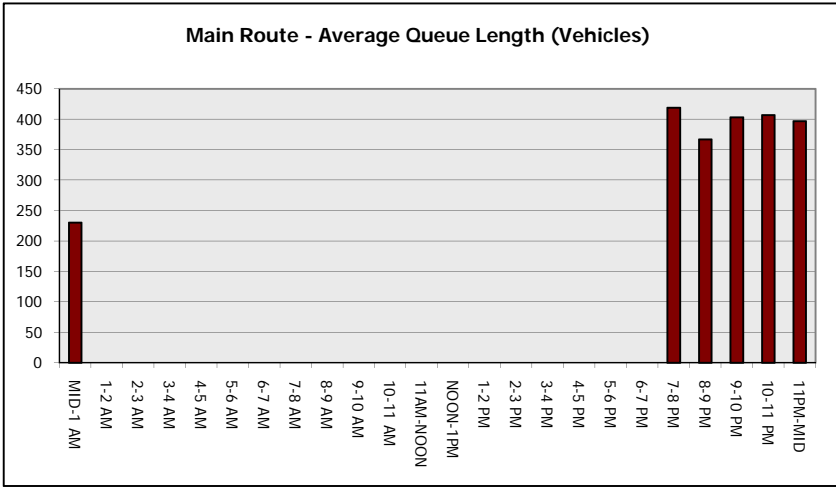
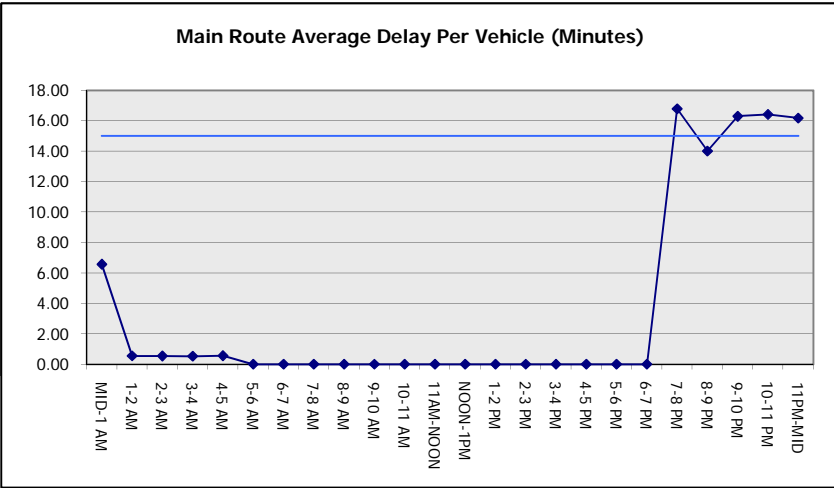
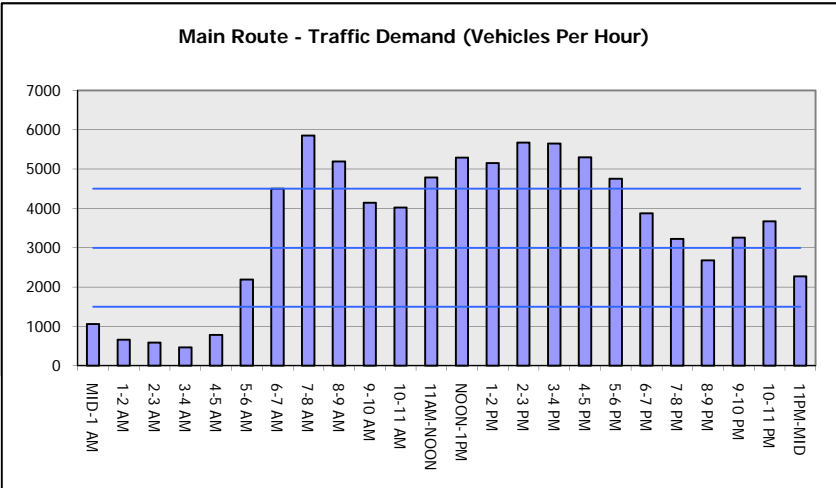
*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT

FRIDAY WESTBOUND DIRECTION



IH 94: STH 181 TO USH 41 (MILWAUKEE COUNTY) NIGHTTIME 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	1499	903	0	3.28	153	69.6	26.9	37.4
1-2 AM	556	0.0	1500	556	0	0.54	0	70.0	55.5	43.3
2-3 AM	406	0.0	1500	406	0	0.52	0	70.2	56.0	43.8
3-4 AM	332	0.0	1500	332	0	0.51	0	70.2	56.1	44.2
4-5 AM	609	0.0	1500	609	0	0.54	0	70.0	55.3	43.1
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	OFF	3870	0	0.00	0	64.4	64.4	64.4
11AM-NOON	4398	0.0	OFF	4398	0	0.00	0	60.8	60.8	60.8
NOON-1PM	4722	0.0	OFF	4722	0	0.00	0	58.6	58.6	58.6
1-2 PM	4723	0.0	OFF	4723	0	0.00	0	58.6	58.6	58.6
2-3 PM	5004	0.0	OFF	5004	0	0.00	0	56.7	56.7	56.7
3-4 PM	5355	0.0	OFF	5355	0	0.00	0	54.3	54.3	54.3
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	1499	1560	2264	16.73+	420	64.7	8.1	36.6
8-9 PM	3172	0.0	1499	1651	1520	14.55+	383	66.8	9.0	35.8
9-10 PM	3291	0.0	1499	1640	1651	16.20+	398	66.6	8.2	30.8
10-11 PM	2936	0.0	1500	1512	1424	16.58+	406	67.1	8.1	30.8
11PM-MID	2227	0.0	1500	1503	724	16.55+	405	67.9	8.1	30.8

"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 (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'	0.0067

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$59,899
CONGESTED HOURS PER DAY*	5

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY EASTBOUND DIRECTION

