

<b>IH 94: STH 181 TO USH 41 (MILWAUKEE COUNTY)</b> <b>NIGHTTIME CLOSURE</b> <b>NO DIVERSION ROUTE (MAX QUEUE METHOD)</b>	<b>MAY</b>
	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	0.47	11	69.4	56.7	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	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	2999	3221	0	3.22	147	66.8	26.8	37.3	
8-9 PM	2680	0.0	2999	2680	0	1.56	75	67.4	38.9	40.8	
9-10 PM	3257	0.0	2999	3257	0	2.19	97	66.7	33.1	37.3	
10-11 PM	3667	0.0	3000	3667	0	11.44+	621	65.8	12.7	37.3	
11PM-MID	2275	0.0	2999	2275	0	11.48+	642	67.9	12.9	41.6	

"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

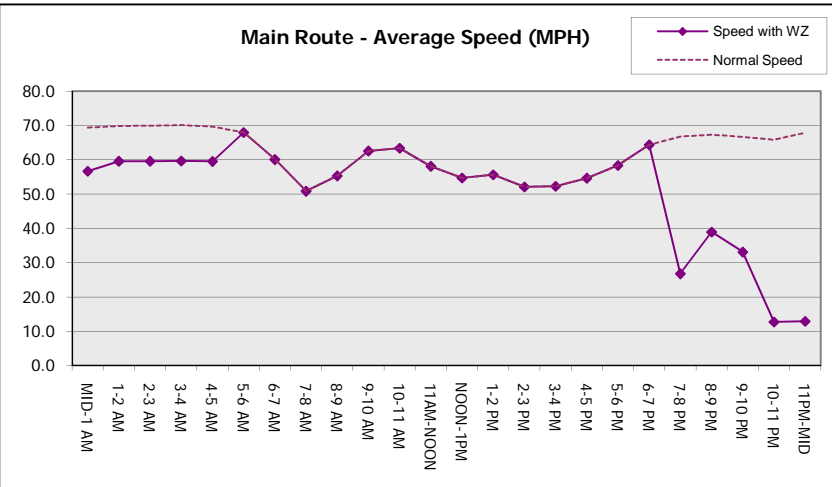
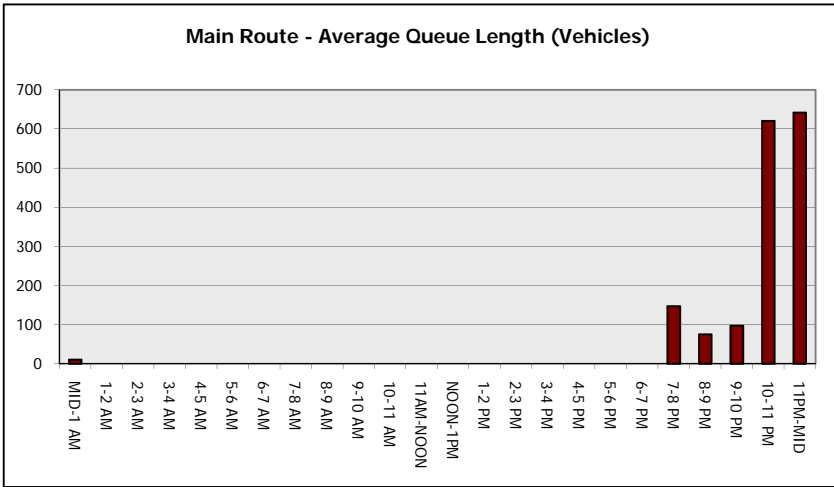
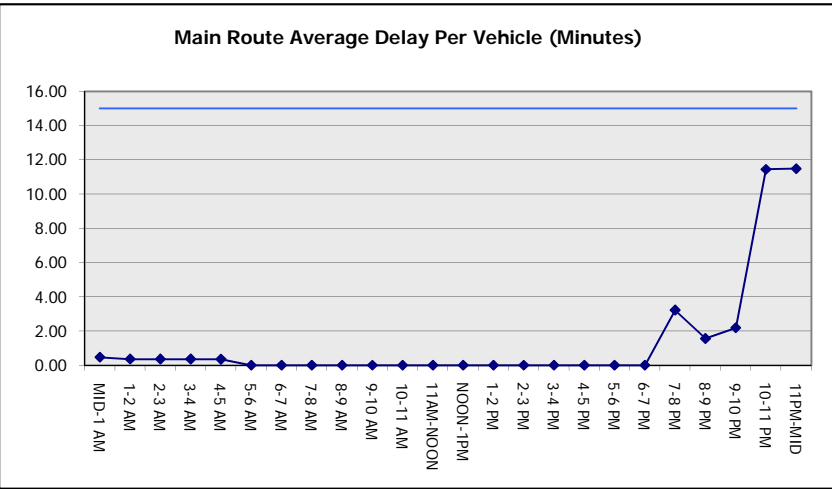
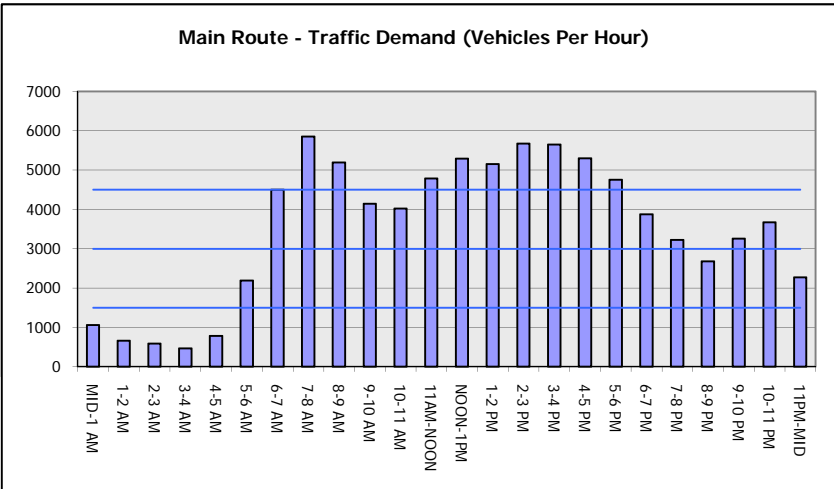
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0325
MAIN ROUTE WITH WORKS	0.0312
'DIVERSION'	0.0000
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$22,742
CONGESTED HOURS PER DAY*	2

\*Delays Exceeding User-Specified Maximum

**IH 94: STH 181 TO USH 41 (MILWAUKEE COUNTY)**  
**NIGHTTIME CLOSURE**  
**NO DIVERSION ROUTE (MAX QUEUE METHOD)**

**MAY**  
 Analyzed for 2009  
 Construction Season

**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**FRIDAY WESTBOUND DIRECTION**



<b>IH 94: STH 181 TO USH 41 (MILWAUKEE COUNTY)</b> <b>NIGHTTIME CLOSURE</b> <b>NO DIVERSION ROUTE (MAX QUEUE METHOD)</b>	<b>MAY</b>
	Analyzed for 2009 Construction Season

**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	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	2999	3824	0	7.60	440	64.7	16.1	37.3
8-9 PM	3172	0.0	2999	3041	130	16.51+	870	66.8	10.7	37.3
9-10 PM	3291	0.0	3000	3004	287	16.61+	875	66.6	10.7	37.3
10-11 PM	2936	0.0	3000	2902	33	16.11+	847	67.1	10.8	37.3
11PM-MID	2227	0.0	2999	2227	0	7.15	449	67.9	17.2	43.0

"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	0.0310
'DIVERSION'	0.0004

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$49,985
CONGESTED HOURS PER DAY*	3

\*Delays Exceeding User-Specified Maximum

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NIGHTTIME CLOSURE  
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**MAY**  
Analyzed for 2009  
Construction Season

**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**FRIDAY EASTBOUND DIRECTION**

