

<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**

SATURDAY 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	1481	0.0	3000	1481	0	0.34	0	68.9	59.2	49.7	
1-2 AM	1026	0.0	3000	1026	0	0.35	0	69.4	59.4	49.7	
2-3 AM	1020	0.0	3000	1020	0	0.35	0	69.5	59.4	49.7	
3-4 AM	551	0.0	3000	551	0	0.36	0	70.0	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	930	0.0	3000	930	0	0.35	0	69.6	59.4	49.7	
6-7 AM	1695	0.0	3000	1695	0	0.34	0	68.6	59.1	49.7	
7-8 AM	2339	0.0	3000	2339	0	0.33	0	67.8	58.7	49.7	
8-9 AM	2948	0.0	OFF	2948	0	0.00	0	67.1	67.1	67.1	
9-10 AM	2389	0.0	OFF	2389	0	0.00	0	67.8	67.8	67.8	
10-11 AM	3099	0.0	OFF	3099	0	0.00	0	66.9	66.9	66.9	
11AM-NOON	4329	0.0	OFF	4329	0	0.00	0	61.3	61.3	61.3	
NOON-1PM	4573	0.0	OFF	4573	0	0.00	0	59.6	59.6	59.6	
1-2 PM	4292	0.0	OFF	4292	0	0.00	0	61.5	61.5	61.5	
2-3 PM	4332	0.0	OFF	4332	0	0.00	0	61.3	61.3	61.3	
3-4 PM	4099	0.0	OFF	4099	0	0.00	0	62.8	62.8	62.8	
4-5 PM	3819	0.0	OFF	3819	0	0.00	0	64.8	64.8	64.8	
5-6 PM	3297	0.0	OFF	3297	0	0.00	0	66.6	66.6	66.6	
6-7 PM	3194	0.0	2999	3194	0	3.05	135	66.8	27.6	37.3	
7-8 PM	2055	0.0	3000	2055	0	0.57	21	68.2	53.7	49.7	
8-9 PM	2687	0.0	2999	2687	0	0.52	0	67.4	54.3	43.1	
9-10 PM	3639	0.0	2999	3639	0	5.48	314	66.0	19.6	37.3	
10-11 PM	2844	0.0	2999	2844	0	11.74	608	67.2	12.4	37.3	
11PM-MID	2133	0.0	2999	2133	0	1.90	163	68.1	36.1	46.0	

"OFF" INDICATES NO ROAD WORK (ALL LANES OPEN TO TRAFFIC)

*----- 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

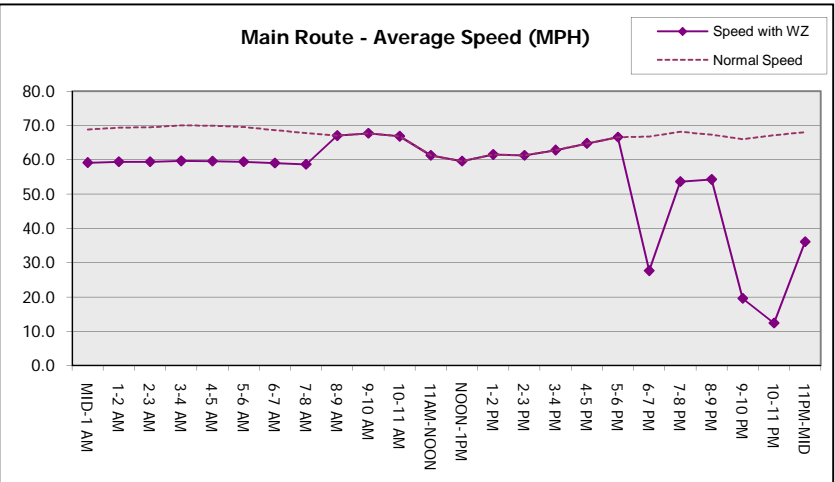
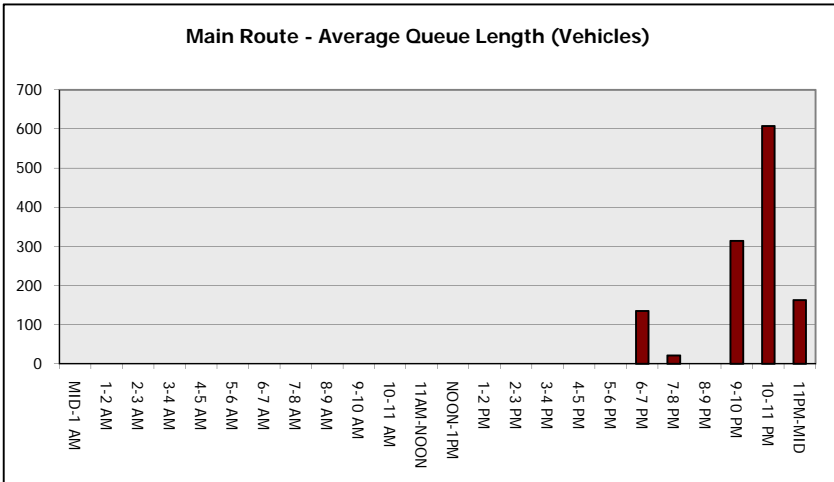
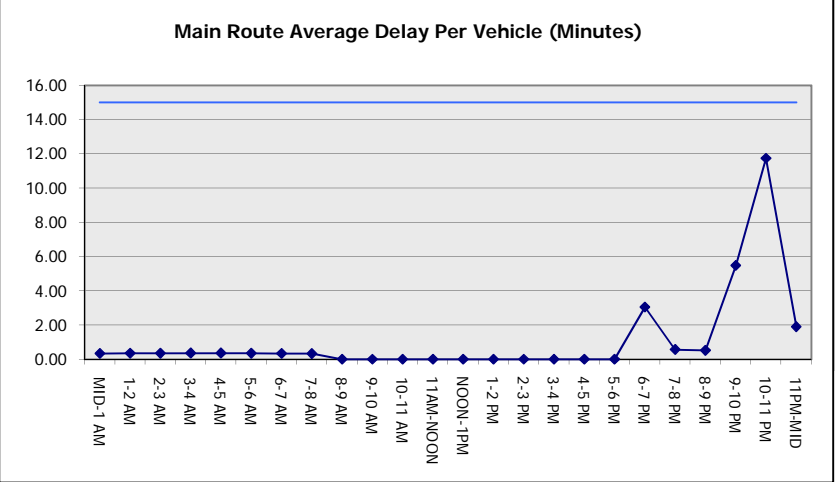
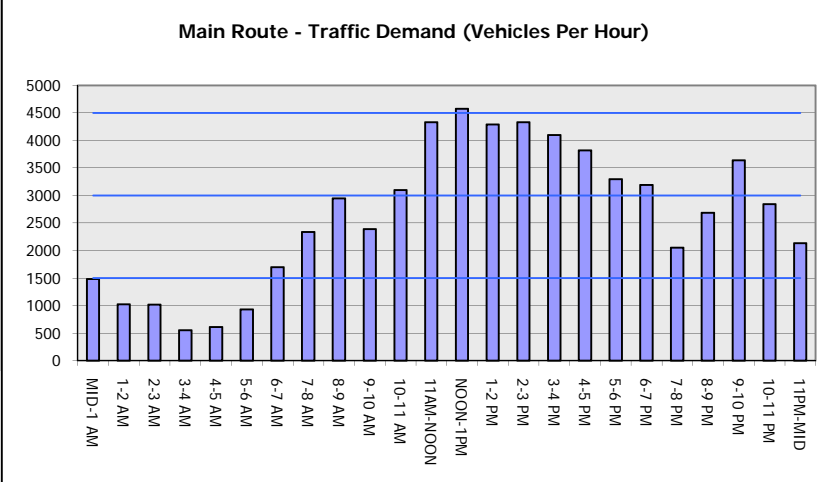
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0242
MAIN ROUTE WITH WORKS	0.0225
'DIVERSION'	0.0000
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$20,163
CONGESTED HOURS PER DAY*	0

\*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**  
**SATURDAY 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**

SATURDAY 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	1285	0.0	3000	1285	0	0.35	0	69.1	59.2	49.7
1-2 AM	731	0.0	3000	731	0	0.35	0	69.8	59.6	49.7
2-3 AM	570	0.0	3000	570	0	0.36	0	70.0	59.6	49.7
3-4 AM	351	0.0	3000	351	0	0.36	0	70.2	59.7	49.7
4-5 AM	401	0.0	3000	401	0	0.36	0	70.2	59.7	49.7
5-6 AM	790	0.0	3000	790	0	0.35	0	69.7	59.6	49.7
6-7 AM	1400	0.0	3000	1400	0	0.34	0	69.0	59.2	49.7
7-8 AM	2002	0.0	3000	2002	0	0.33	0	68.2	58.9	49.7
8-9 AM	2606	0.0	OFF	2606	0	0.00	0	67.5	67.5	67.5
9-10 AM	2179	0.0	OFF	2179	0	0.00	0	68.0	68.0	68.0
10-11 AM	2765	0.0	OFF	2765	0	0.00	0	67.3	67.3	67.3
11AM-NOON	3940	0.0	OFF	3940	0	0.00	0	64.0	64.0	64.0
NOON-1PM	4270	0.0	OFF	4270	0	0.00	0	61.7	61.7	61.7
1-2 PM	4247	0.0	OFF	4247	0	0.00	0	61.9	61.9	61.9
2-3 PM	4747	0.0	OFF	4747	0	0.00	0	58.4	58.4	58.4
3-4 PM	4760	0.0	OFF	4760	0	0.00	0	58.3	58.3	58.3
4-5 PM	4581	0.0	OFF	4581	0	0.00	0	59.6	59.6	59.6
5-6 PM	4391	0.0	OFF	4391	0	0.00	0	60.9	60.9	60.9
6-7 PM	4299	0.0	2999	3866	433	11.11+	638	61.5	12.9	37.3
7-8 PM	2806	0.0	3000	2794	13	15.56+	818	67.3	11.0	37.3
8-9 PM	2447	0.0	2999	2447	0	6.76	374	67.7	17.1	39.2
9-10 PM	3065	0.0	3000	3065	0	3.04	128	66.9	27.7	37.3
10-11 PM	2757	0.0	2999	2757	0	1.86	87	67.3	36.0	39.9
11PM-MID	2071	0.0	3000	2071	0	0.33	0	68.2	58.9	49.7

"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	0.0242
MAIN ROUTE WITH WORKS	0.0224
'DIVERSION'	0.0004

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$34,713
CONGESTED HOURS PER DAY*	2

\*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**  
**SATURDAY EASTBOUND DIRECTION**

