

**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
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	1500	1433	48	15.54+	379	68.9	8.4	30.8	
1-2 AM	1026	0.0	1499	1026	0	2.86	117	69.4	29.1	37.9	
2-3 AM	1020	0.0	1500	1020	0	0.59	0	69.5	54.1	41.6	
3-4 AM	551	0.0	1500	551	0	0.54	0	70.0	55.5	43.3	
4-5 AM	609	0.0	1500	609	0	0.54	0	70.0	55.3	43.1	
5-6 AM	930	0.0	1499	930	0	0.58	0	69.6	54.3	41.9	
6-7 AM	1695	0.0	1499	1695	0	2.47	53	68.6	31.5	30.8	
7-8 AM	2339	0.0	1500	1745	594	15.18+	378	67.8	8.7	31.9	
8-9 AM	2948	0.0	OFF	2948	0	0.34	31	67.1	58.0	58.0	
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	1499	1560	1634	16.79+	419	66.8	8.1	36.6	
7-8 PM	2055	0.0	1499	1810	245	11.79+	309	68.2	10.6	30.8	
8-9 PM	2687	0.0	1500	1507	1179	16.56+	406	67.4	8.1	30.8	
9-10 PM	3639	0.0	1499	1500	2139	16.59+	408	66.0	8.1	30.8	
10-11 PM	2844	0.0	1500	1506	1338	16.57+	406	67.2	8.1	30.8	
11PM-MID	2133	0.0	1500	1501	632	16.55+	405	68.1	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

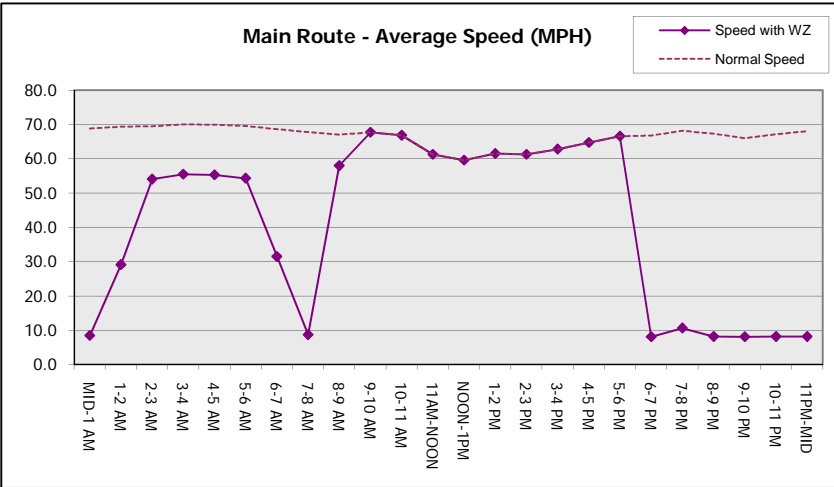
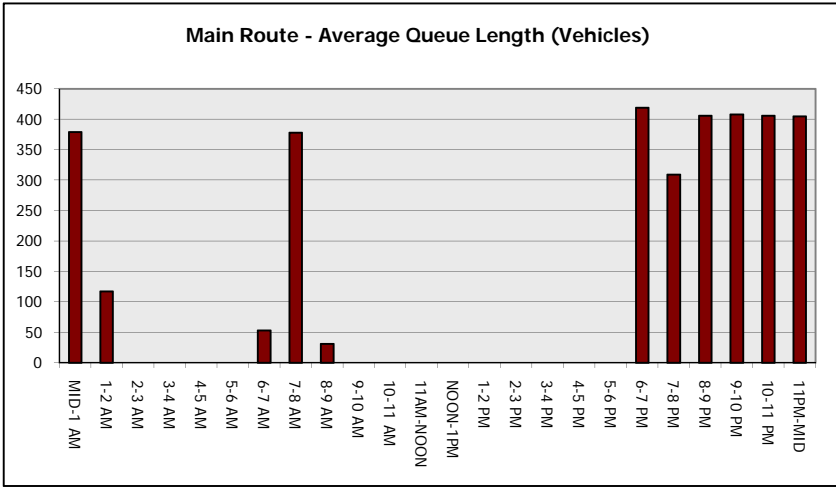
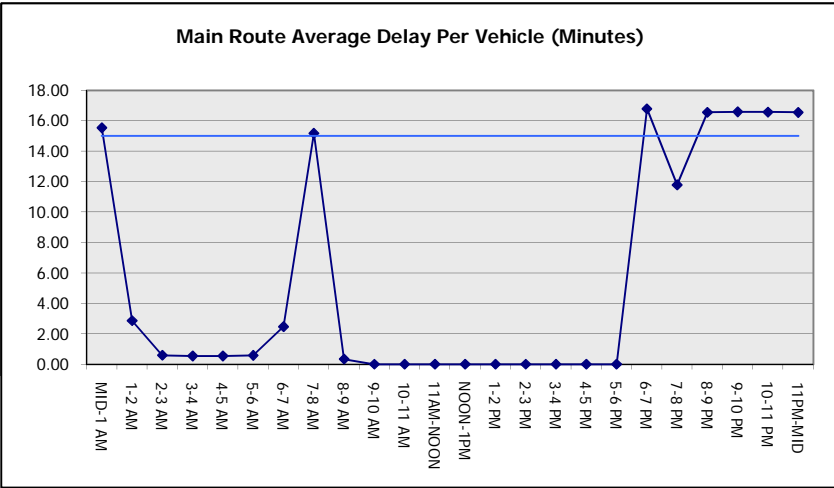
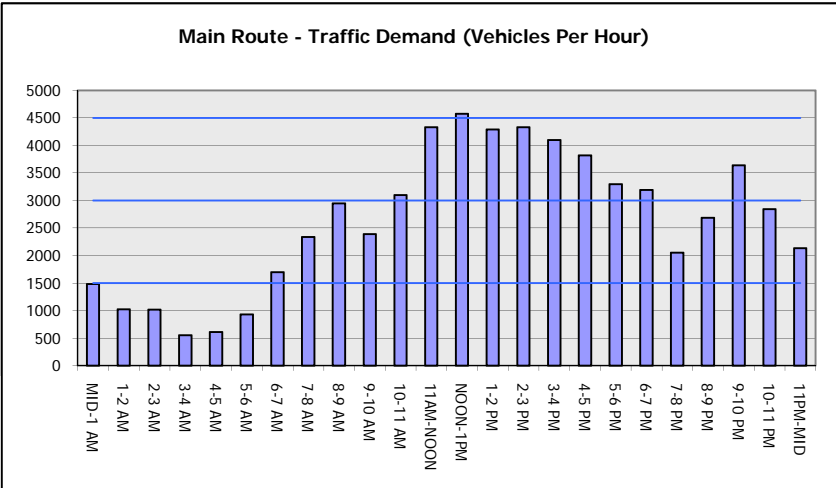
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0242
MAIN ROUTE WITH WORKS	0.0200
'DIVERSION'	0.0069
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$84,268
CONGESTED HOURS PER DAY*	8

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SATURDAY 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

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	1499	1238	47	13.15+	329	69.1	9.6	31.5
1-2 AM	731	0.0	1500	731	0	0.96	22	69.8	47.7	42.5
2-3 AM	570	0.0	1500	570	0	0.54	0	70.0	55.5	43.2
3-4 AM	351	0.0	1500	351	0	0.52	0	70.2	56.1	44.1
4-5 AM	401	0.0	1500	401	0	0.52	0	70.2	56.0	43.9
5-6 AM	790	0.0	1500	790	0	0.56	0	69.7	54.8	42.4
6-7 AM	1400	0.0	1499	1400	0	1.13	6	69.0	44.8	33.8
7-8 AM	2002	0.0	1500	1995	7	8.22+	237	68.2	14.2	30.8
8-9 AM	2606	0.0	OFF	2606	0	0.42	39	67.5	56.4	56.4
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	1499	1563	2736	16.69+	422	61.5	8.1	36.6
7-8 PM	2806	0.0	1499	1620	1186	14.46+	382	67.3	9.1	35.8
8-9 PM	2447	0.0	1499	1771	675	15.31+	381	67.7	8.6	31.6
9-10 PM	3065	0.0	1499	1490	1575	16.59+	407	66.9	8.1	30.8
10-11 PM	2757	0.0	1499	1492	1265	16.57+	406	67.3	8.1	30.8
11PM-MID	2071	0.0	1499	1499	572	16.55+	405	68.2	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	0.0
(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	0
(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	0.0200
'DIVERSION'	0.0071

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$80,455
CONGESTED HOURS PER DAY*	8

*Delays Exceeding User-Specified Maximum

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SATURDAY EASTBOUND DIRECTION

