

**IH 94: STH 181 TO USH 41 (MILWAUKEE COUNTY)
CONTINUOUS (24 HOUR) 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	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	3000	2948	0	0.69	0	67.1	50.7	38.1	
9-10 AM	2389	0.0	2999	2389	0	0.34	0	67.8	58.5	49.4	
10-11 AM	3099	0.0	2999	3099	0	1.26	42	66.9	42.2	38.4	
11AM-NOON	4329	0.0	3000	3684	645	11.93+	680	61.3	12.5	37.3	
NOON-1PM	4573	0.0	3000	3072	1500	17.01+	919	59.6	10.5	37.3	
1-2 PM	4292	0.0	3000	2970	1321	16.82+	902	61.5	10.6	37.3	
2-3 PM	4332	0.0	2999	3004	1327	16.82+	903	61.3	10.6	37.3	
3-4 PM	4099	0.0	3000	2985	1114	16.60+	886	62.8	10.6	37.3	
4-5 PM	3819	0.0	3000	2997	822	16.59+	880	64.8	10.7	37.3	
5-6 PM	3297	0.0	3000	2997	300	16.61+	875	66.6	10.7	37.3	
6-7 PM	3194	0.0	2999	2996	198	16.60+	874	66.8	10.7	37.3	
7-8 PM	2055	0.0	2999	2055	0	5.59+	422	68.2	20.6	44.3	
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	

+ 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

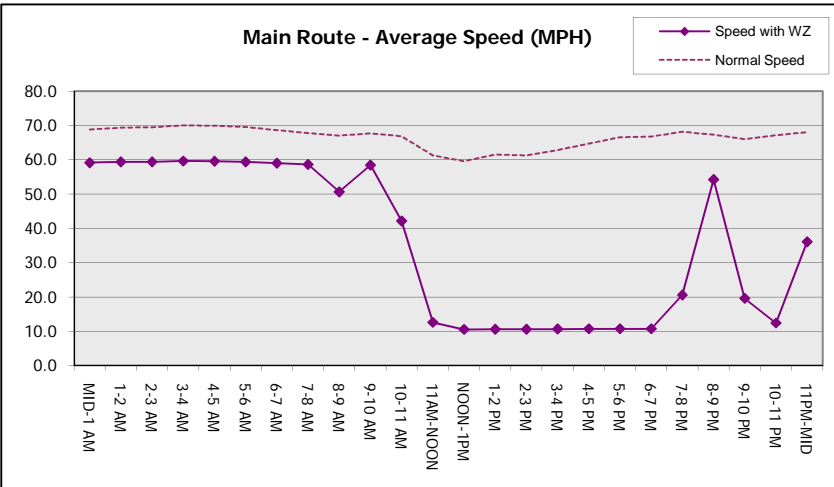
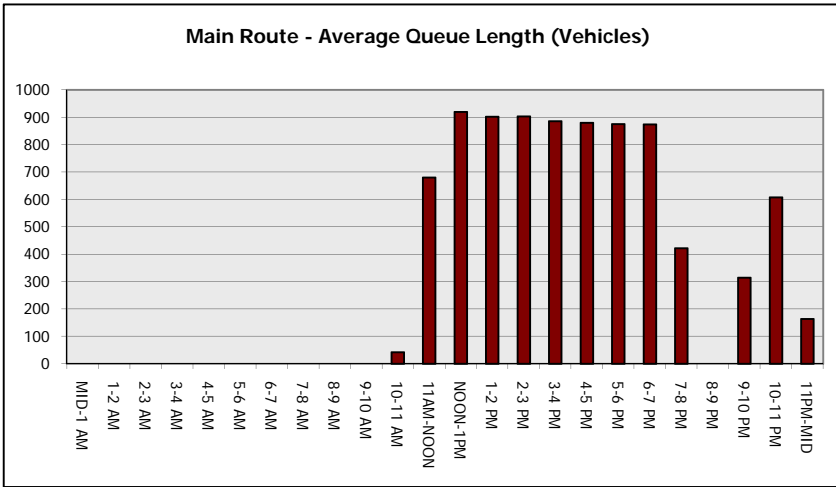
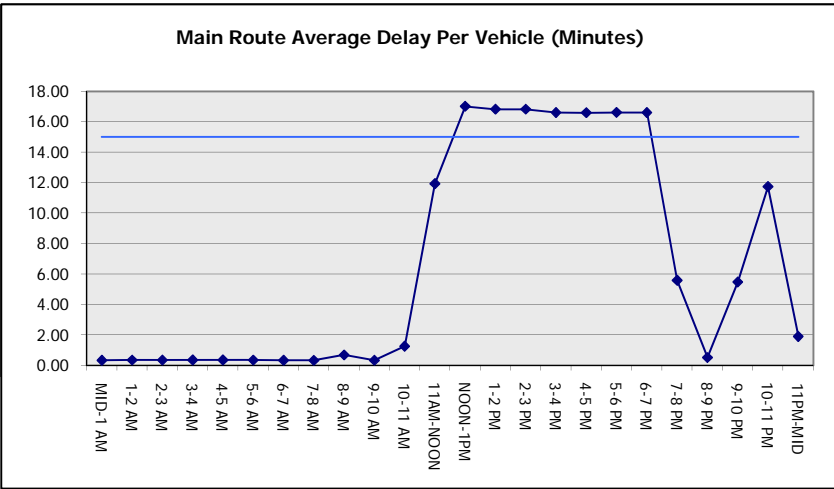
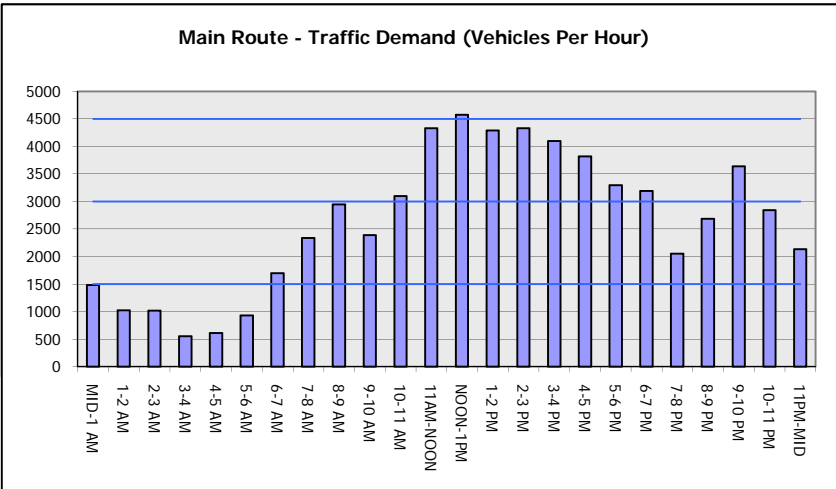
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0242
MAIN ROUTE WITH WORKS	0.0177
'DIVERSION'	0.0064
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$167,023
CONGESTED HOURS PER DAY*	9

*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) CONTINUOUS (24 HOUR) 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	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	3000	2606	0	0.47	0	67.5	55.3	44.4
9-10 AM	2179	0.0	3000	2179	0	0.33	0	68.0	58.8	49.7
10-11 AM	2765	0.0	2999	2765	0	0.57	0	67.3	53.2	41.6
11AM-NOON	3940	0.0	2999	3940	0	6.81+	422	64.0	17.5	37.3
NOON-1PM	4270	0.0	2999	2962	1308	16.81+	901	61.7	10.6	37.3
1-2 PM	4247	0.0	3000	3000	1248	16.71+	895	61.9	10.6	37.3
2-3 PM	4747	0.0	2999	3019	1727	17.13+	930	58.4	10.4	37.3
3-4 PM	4760	0.0	3000	3000	1760	17.17+	932	58.3	10.4	37.3
4-5 PM	4581	0.0	3000	3003	1578	17.15+	927	59.6	10.4	37.3
5-6 PM	4391	0.0	3000	2982	1409	16.93+	910	60.9	10.5	37.3
6-7 PM	4299	0.0	2999	2985	1314	16.84+	903	61.5	10.6	37.3
7-8 PM	2806	0.0	2999	2763	43	15.49+	815	67.3	11.0	37.3
8-9 PM	2447	0.0	2999	2447	0	6.65	369	67.7	17.3	39.2
9-10 PM	3065	0.0	3000	3065	0	2.95	123	66.9	28.3	37.3
10-11 PM	2757	0.0	2999	2757	0	1.80	82	67.3	36.6	40.0
11PM-MID	2071	0.0	3000	2071	0	0.33	0	68.2	58.9	49.7

+ 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	0.0168
'DIVERSION'	0.0092

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$179,525
CONGESTED HOURS PER DAY*	9

*Delays Exceeding User-Specified Maximum

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SATURDAY EASTBOUND DIRECTION

