

IH 94: STH 181 TO USH 41 (MILWAUKEE COUNTY) OFF-PEAK DAY 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	OFF	1481	0	0.00	0	68.9	68.9	68.9
1-2 AM	1026	0.0	OFF	1026	0	0.00	0	69.4	69.4	69.4
2-3 AM	1020	0.0	OFF	1020	0	0.00	0	69.5	69.5	69.5
3-4 AM	551	0.0	OFF	551	0	0.00	0	70.0	70.0	70.0
4-5 AM	609	0.0	OFF	609	0	0.00	0	70.0	70.0	70.0
5-6 AM	930	0.0	OFF	930	0	0.00	0	69.6	69.6	69.6
6-7 AM	1695	0.0	OFF	1695	0	0.00	0	68.6	68.6	68.6
7-8 AM	2339	0.0	OFF	2339	0	0.00	0	67.8	67.8	67.8
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	OFF	3194	0	1.51	138	66.8	39.2	39.2
7-8 PM	2055	0.0	OFF	2055	0	0.00	0	68.2	68.2	68.2
8-9 PM	2687	0.0	OFF	2687	0	0.00	0	67.4	67.4	67.4
9-10 PM	3639	0.0	OFF	3639	0	0.00	0	66.0	66.0	66.0
10-11 PM	2844	0.0	OFF	2844	0	0.00	0	67.2	67.2	67.2
11PM-MID	2133	0.0	OFF	2133	0	0.00	0	68.1	68.1	68.1

"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

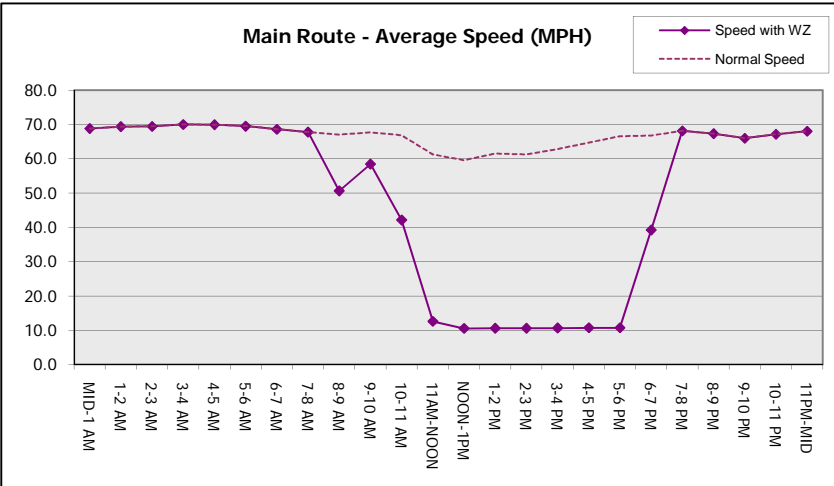
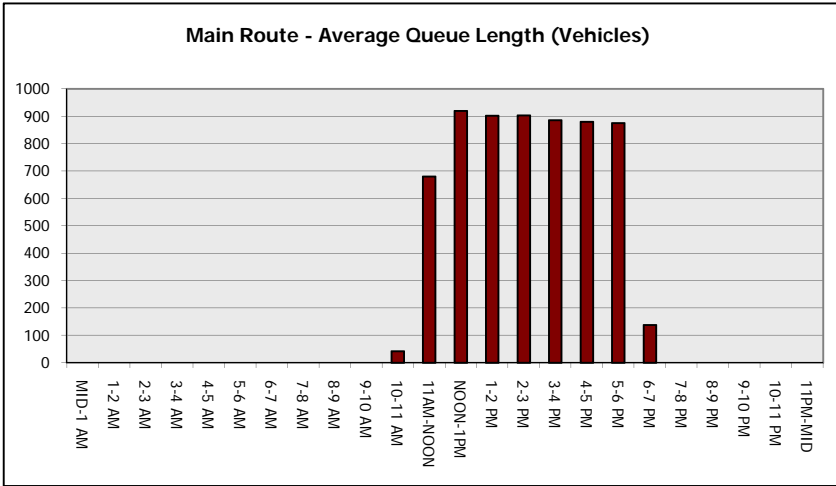
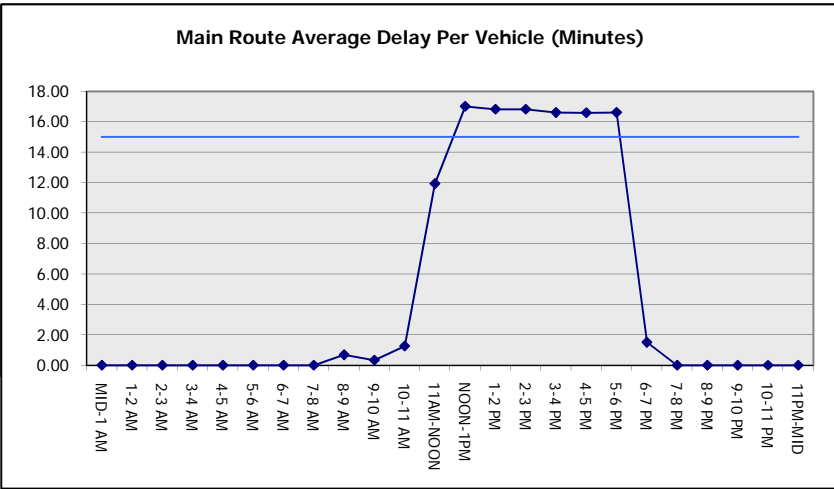
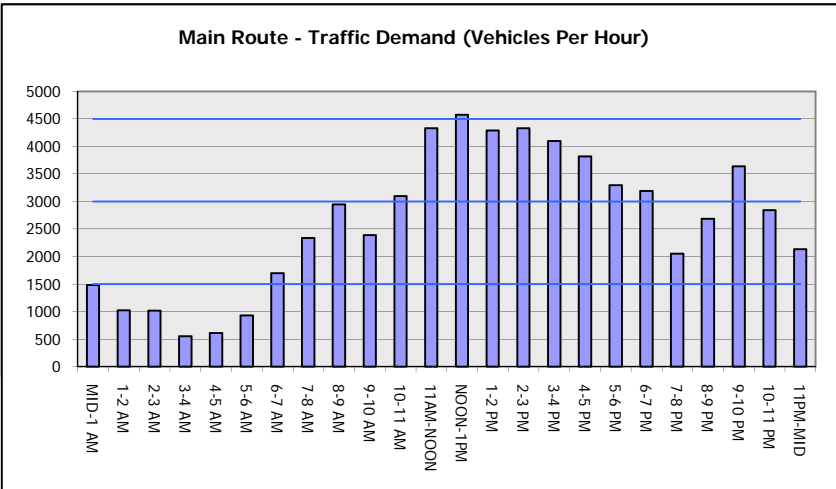
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0242
MAIN ROUTE WITH WORKS	0.0195
'DIVERSION'	0.0062
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$127,568
CONGESTED HOURS PER DAY*	7

*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) OFF-PEAK DAY 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	OFF	1285	0	0.00	0	69.1	69.1	69.1
1-2 AM	731	0.0	OFF	731	0	0.00	0	69.8	69.8	69.8
2-3 AM	570	0.0	OFF	570	0	0.00	0	70.0	70.0	70.0
3-4 AM	351	0.0	OFF	351	0	0.00	0	70.2	70.2	70.2
4-5 AM	401	0.0	OFF	401	0	0.00	0	70.2	70.2	70.2
5-6 AM	790	0.0	OFF	790	0	0.00	0	69.7	69.7	69.7
6-7 AM	1400	0.0	OFF	1400	0	0.00	0	69.0	69.0	69.0
7-8 AM	2002	0.0	OFF	2002	0	0.00	0	68.2	68.2	68.2
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	OFF	4299	0	2.67	241	61.5	28.7	28.7
7-8 PM	2806	0.0	OFF	2806	0	0.00	0	67.3	67.3	67.3
8-9 PM	2447	0.0	OFF	2447	0	0.00	0	67.7	67.7	67.7
9-10 PM	3065	0.0	OFF	3065	0	0.00	0	66.9	66.9	66.9
10-11 PM	2757	0.0	OFF	2757	0	0.00	0	67.3	67.3	67.3
11PM-MID	2071	0.0	OFF	2071	0	0.00	0	68.2	68.2	68.2

"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	0.0188
'DIVERSION'	0.0080

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$135,213
CONGESTED HOURS PER DAY*	7

*Delays Exceeding User-Specified Maximum

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SATURDAY EASTBOUND DIRECTION

