

IH 94: STH 181 TO USH 41 (MILWAUKEE COUNTY) OFF-PEAK DAY 2 LANE CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	MAY Analyzed for 2009 Construction Season
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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	1499	1623	1325	14.98+	378	67.1	8.7	36.1
9-10 AM	2389	0.0	1499	1750	639	14.26+	362	67.8	9.1	33.0
10-11 AM	3099	0.0	1499	1506	1593	16.59+	407	66.9	8.1	30.8
11AM-NOON	4329	0.0	1500	1500	2829	16.41+	408	61.3	8.1	30.8
NOON-1PM	4573	0.0	1500	1500	3073	16.34+	408	59.6	8.1	30.8
1-2 PM	4292	0.0	1500	1500	2792	16.42+	408	61.5	8.1	30.8
2-3 PM	4332	0.0	1500	1500	2832	16.41+	408	61.3	8.1	30.8
3-4 PM	4099	0.0	1500	1500	2599	16.48+	408	62.8	8.1	30.8
4-5 PM	3819	0.0	1500	1500	2319	16.55+	408	64.8	8.1	30.8
5-6 PM	3297	0.0	1500	1502	1795	16.61+	407	66.6	8.1	30.8
6-7 PM	3194	0.0	OFF	3194	0	0.27	25	66.8	59.2	59.2
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

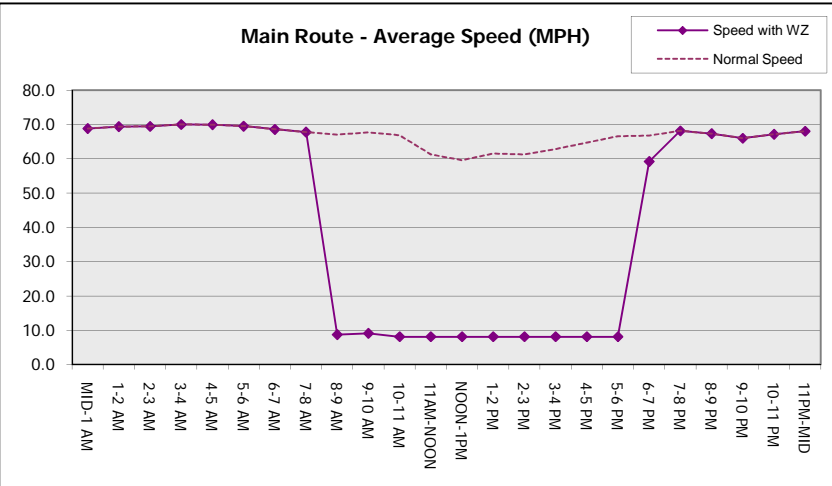
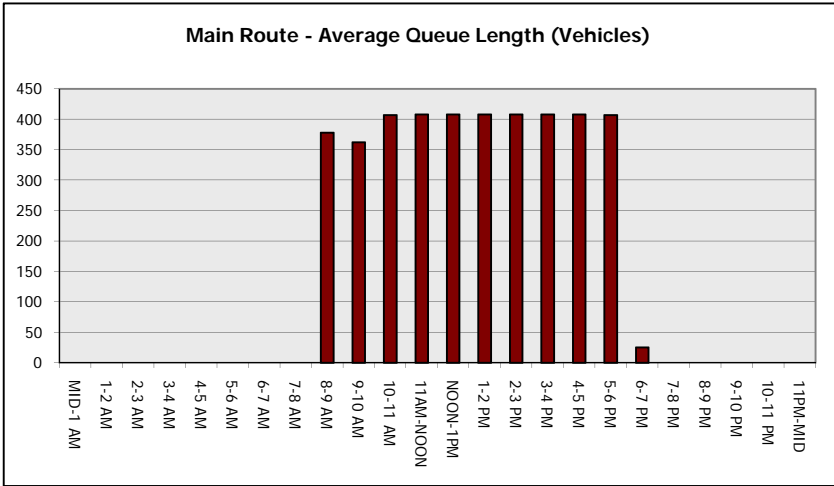
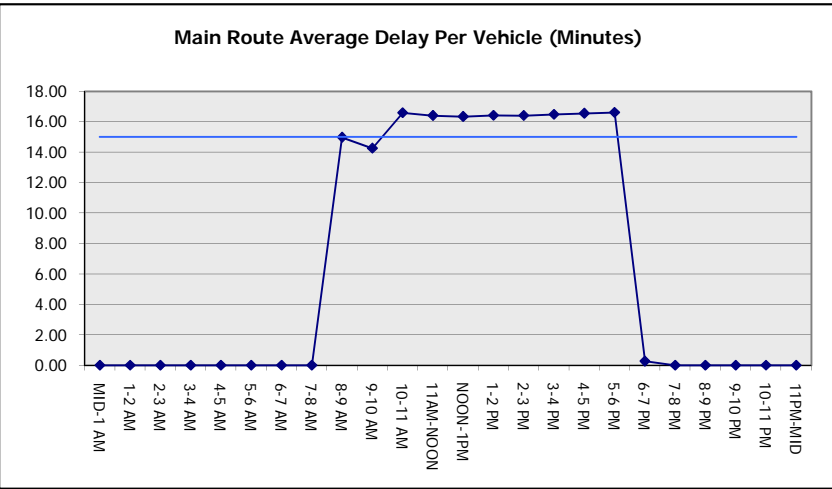
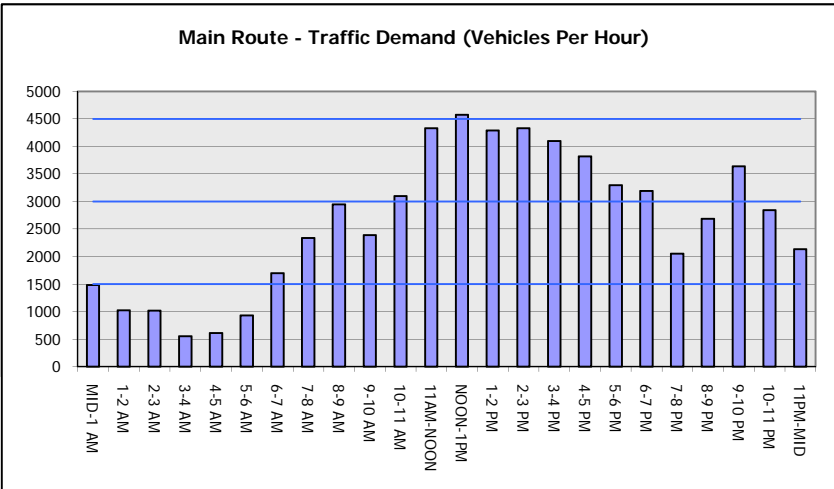
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0242
MAIN ROUTE WITH WORKS	0.0149
'DIVERSION'	0.0193
<small>PIA: Personal Injury Accidents</small>	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$165,245
CONGESTED HOURS PER DAY*	10

*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 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	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	1499	1930	676	13.35+	331	67.5	9.5	32.5
9-10 AM	2179	0.0	1499	1499	680	16.54+	405	68.0	8.1	30.8
10-11 AM	2765	0.0	1499	1495	1270	16.57+	406	67.3	8.1	30.8
11AM-NOON	3940	0.0	1499	1500	2440	16.52+	408	64.0	8.1	30.8
NOON-1PM	4270	0.0	1500	1500	2770	16.43+	408	61.7	8.1	30.8
1-2 PM	4247	0.0	1500	1500	2747	16.44+	408	61.9	8.1	30.8
2-3 PM	4747	0.0	1500	1500	3247	16.29+	408	58.4	8.1	30.8
3-4 PM	4760	0.0	1500	1500	3260	16.29+	408	58.3	8.1	30.8
4-5 PM	4581	0.0	1500	1500	3081	16.34+	408	59.6	8.1	30.8
5-6 PM	4391	0.0	1500	1500	2891	16.40+	408	60.9	8.1	30.8
6-7 PM	4299	0.0	OFF	4299	0	0.65	53	61.5	48.2	48.2
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 (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	0.0144
'DIVERSION'	0.0204

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$171,516
CONGESTED HOURS PER DAY*	10

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SATURDAY EASTBOUND DIRECTION

