

IH 94: USH 41 AND IH 43 (MILWAUKEE COUNTY) OFF-PEAK DAY 2 LANE CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	AUGUST
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

MON-THUR 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	909	0.0	OFF	909	0	0.00	0	69.6	69.6	69.6
1-2 AM	634	0.0	OFF	634	0	0.00	0	69.9	69.9	69.9
2-3 AM	480	0.0	OFF	480	0	0.00	0	70.1	70.1	70.1
3-4 AM	423	0.0	OFF	423	0	0.00	0	70.2	70.2	70.2
4-5 AM	750	0.0	OFF	750	0	0.00	0	69.8	69.8	69.8
5-6 AM	2083	0.0	OFF	2083	0	0.00	0	68.1	68.1	68.1
6-7 AM	4309	0.0	OFF	4309	0	0.00	0	61.4	61.4	61.4
7-8 AM	5349	0.0	OFF	5349	0	0.00	0	54.3	54.3	54.3
8-9 AM	4711	0.0	OFF	4711	0	0.00	0	58.7	58.7	58.7
9-10 AM	4031	0.0	OFF	4031	0	0.00	0	63.3	63.3	63.3
10-11 AM	4097	0.0	1499	1572	2526	17.00+	428	62.8	7.6	36.5
11AM-NOON	4654	0.0	1499	1938	2716	15.40+	399	59.1	8.1	34.6
NOON-1PM	4699	0.0	1499	1500	3199	16.64+	417	58.7	7.6	31.3
1-2 PM	4778	0.0	1500	1500	3278	16.61+	417	58.2	7.6	31.3
2-3 PM	5437	0.0	1500	1500	3937	16.41+	417	53.7	7.6	31.3
3-4 PM	5186	0.0	OFF	5186	0	1.75	159	55.5	31.3	31.3
4-5 PM	5290	0.0	OFF	5290	0	0.00	0	54.7	54.7	54.7
5-6 PM	5228	0.0	OFF	5228	0	0.00	0	55.1	55.1	55.1
6-7 PM	4855	0.0	OFF	4855	0	0.00	0	57.7	57.7	57.7
7-8 PM	3199	0.0	OFF	3199	0	0.00	0	66.8	66.8	66.8
8-9 PM	2688	0.0	OFF	2688	0	0.00	0	67.4	67.4	67.4
9-10 PM	2580	0.0	OFF	2580	0	0.00	0	67.5	67.5	67.5
10-11 PM	1948	0.0	OFF	1948	0	0.00	0	68.3	68.3	68.3
11PM-MID	1442	0.0	OFF	1442	0	0.00	0	68.9	68.9	68.9

"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

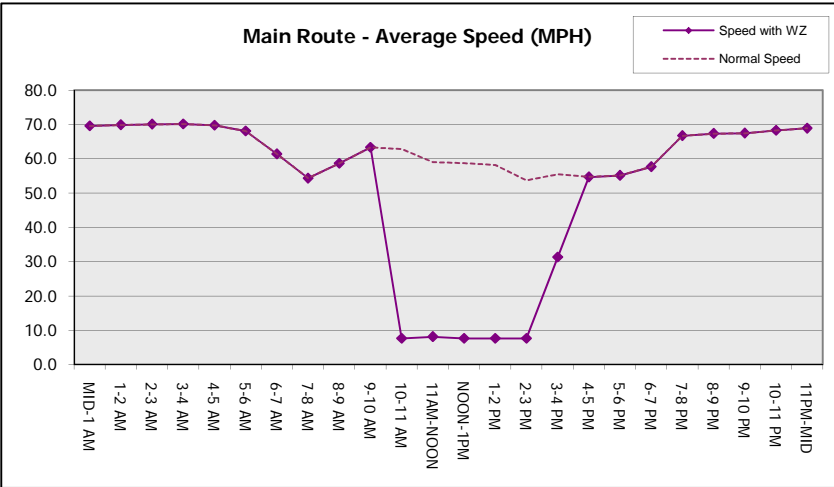
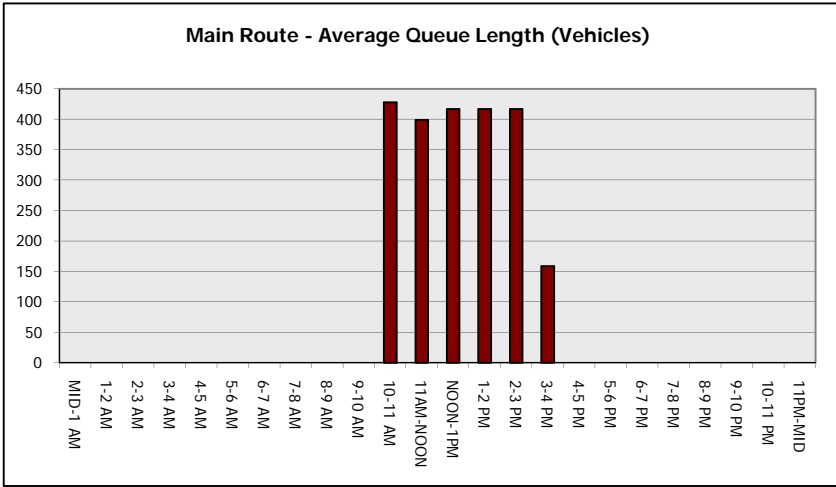
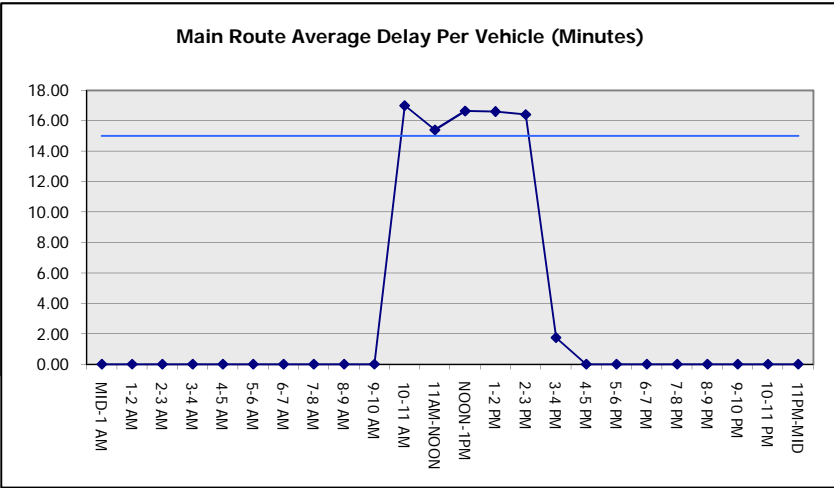
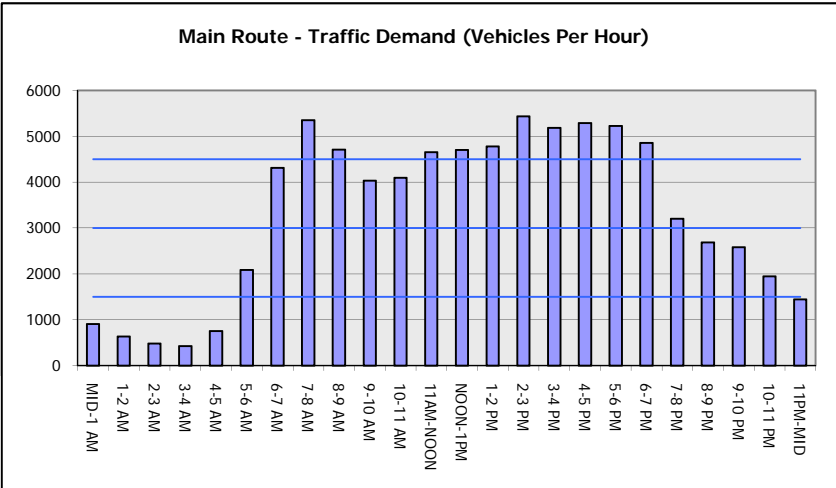
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0267
MAIN ROUTE WITH WORKS	0.0209
'DIVERSION'	0.0121
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$86,209
CONGESTED HOURS PER DAY*	5

*Delays Exceeding User-Specified Maximum

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AUGUST
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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
MON-THUR WESTBOUND DIRECTION



IH 94: USH 41 AND IH 43 (MILWAUKEE COUNTY) OFF-PEAK DAY 2 LANE CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	AUGUST
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SUMMARY OF TRAFFIC MODEL OUTPUT

MON-THUR 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	675	0.0	OFF	675	0	0.00	0	69.9	69.9	69.9
1-2 AM	388	0.0	OFF	388	0	0.00	0	70.2	70.2	70.2
2-3 AM	300	0.0	OFF	300	0	0.00	0	70.2	70.2	70.2
3-4 AM	328	0.0	OFF	328	0	0.00	0	70.2	70.2	70.2
4-5 AM	582	0.0	OFF	582	0	0.00	0	70.0	70.0	70.0
5-6 AM	2080	0.0	OFF	2080	0	0.00	0	68.1	68.1	68.1
6-7 AM	4187	0.0	OFF	4187	0	0.00	0	62.2	62.2	62.2
7-8 AM	4506	0.0	OFF	4506	0	0.00	0	60.1	60.1	60.1
8-9 AM	4356	0.0	OFF	4356	0	0.00	0	61.1	61.1	61.1
9-10 AM	3648	0.0	OFF	3648	0	0.00	0	66.0	66.0	66.0
10-11 AM	3278	0.0	1499	1570	1708	17.09+	427	66.6	7.6	36.6
11AM-NOON	3471	0.0	1499	1724	1746	14.99+	389	66.4	8.3	35.5
NOON-1PM	3341	0.0	1499	1525	1816	16.73+	414	66.6	7.6	33.1
1-2 PM	3505	0.0	1500	1520	1986	16.82+	415	66.4	7.6	31.7
2-3 PM	3741	0.0	1500	1503	2237	16.86+	416	65.3	7.6	31.4
3-4 PM	3650	0.0	OFF	3650	0	0.32	25	66.0	56.4	56.4
4-5 PM	4043	0.0	OFF	4043	0	0.00	0	63.2	63.2	63.2
5-6 PM	4113	0.0	OFF	4113	0	0.00	0	62.8	62.8	62.8
6-7 PM	3430	0.0	OFF	3430	0	0.00	0	66.4	66.4	66.4
7-8 PM	2794	0.0	OFF	2794	0	0.00	0	67.3	67.3	67.3
8-9 PM	2164	0.0	OFF	2164	0	0.00	0	68.1	68.1	68.1
9-10 PM	2361	0.0	OFF	2361	0	0.00	0	67.8	67.8	67.8
10-11 PM	1752	0.0	OFF	1752	0	0.00	0	68.6	68.6	68.6
11PM-MID	1096	0.0	OFF	1096	0	0.00	0	69.4	69.4	69.4

"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	0.0213
MAIN ROUTE WITH WORKS	0.0176
'DIVERSION'	0.0073

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$62,326
CONGESTED HOURS PER DAY*	5

*Delays Exceeding User-Specified Maximum

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MON-THUR EASTBOUND DIRECTION**

