

IH 94: USH 41 AND IH 43 (MILWAUKEE COUNTY) OFF-PEAK DAY 2 LANE CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	MAY
	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	694	0.0	OFF	694	0	0.00	0	69.9	69.9	69.9	
1-2 AM	524	0.0	OFF	524	0	0.00	0	70.1	70.1	70.1	
2-3 AM	457	0.0	OFF	457	0	0.00	0	70.2	70.2	70.2	
3-4 AM	820	0.0	OFF	820	0	0.00	0	69.7	69.7	69.7	
4-5 AM	2048	0.0	OFF	2048	0	0.00	0	68.2	68.2	68.2	
5-6 AM	4158	0.0	OFF	4158	0	0.00	0	62.5	62.5	62.5	
6-7 AM	5559	0.0	OFF	5559	0	0.00	0	52.8	52.8	52.8	
7-8 AM	5043	0.0	OFF	5043	0	0.00	0	56.4	56.4	56.4	
8-9 AM	4206	0.0	OFF	4206	0	0.00	0	62.1	62.1	62.1	
9-10 AM	4145	0.0	OFF	4145	0	0.00	0	62.5	62.5	62.5	
10-11 AM	4501	0.0	1499	1576	2926	17.01+	431	60.1	7.6	36.5	
11AM-NOON	4699	0.0	1499	1986	2713	15.54+	402	58.7	8.0	34.0	
NOON-1PM	4876	0.0	1499	1484	3392	16.39+	416	57.6	7.7	34.2	
1-2 PM	5502	0.0	1499	1500	4002	16.26+	417	53.3	7.6	33.5	
2-3 PM	5560	0.0	1500	1500	4060	16.24+	417	52.8	7.6	33.5	
3-4 PM	5417	0.0	OFF	5417	0	2.74	256	53.8	24.8	24.8	
4-5 PM	5502	0.0	OFF	5502	0	0.00	0	53.3	53.3	53.3	
5-6 PM	4988	0.0	OFF	4988	0	0.00	0	56.8	56.8	56.8	
6-7 PM	3863	0.0	OFF	3863	0	0.00	0	64.5	64.5	64.5	
7-8 PM	3186	0.0	OFF	3186	0	0.00	0	66.8	66.8	66.8	
8-9 PM	2896	0.0	OFF	2896	0	0.00	0	67.1	67.1	67.1	
9-10 PM	2467	0.0	OFF	2467	0	0.00	0	67.7	67.7	67.7	
10-11 PM	1654	0.0	OFF	1654	0	0.00	0	68.7	68.7	68.7	
11PM-MID	1056	0.0	OFF	1056	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

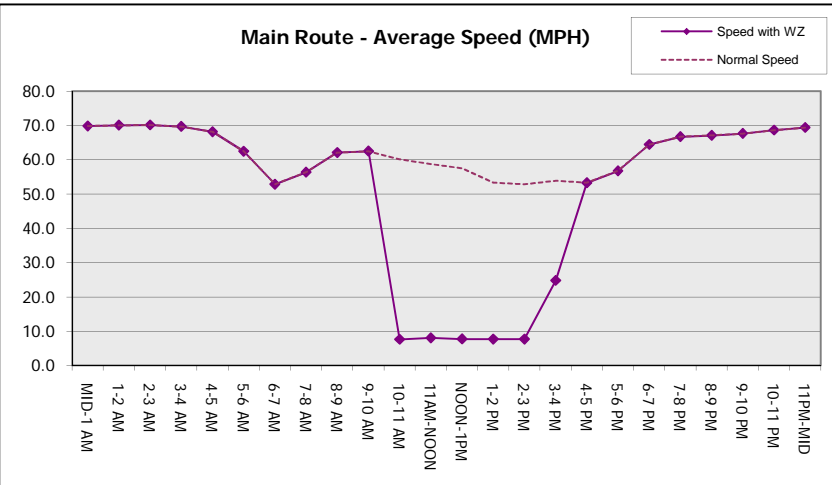
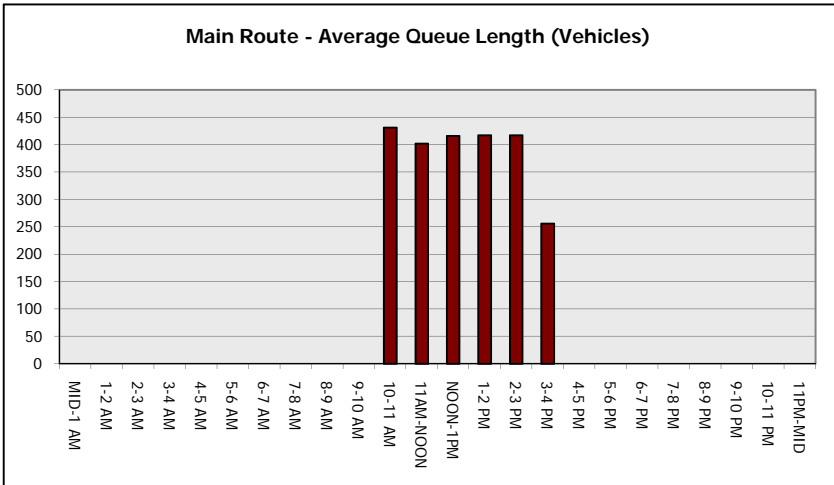
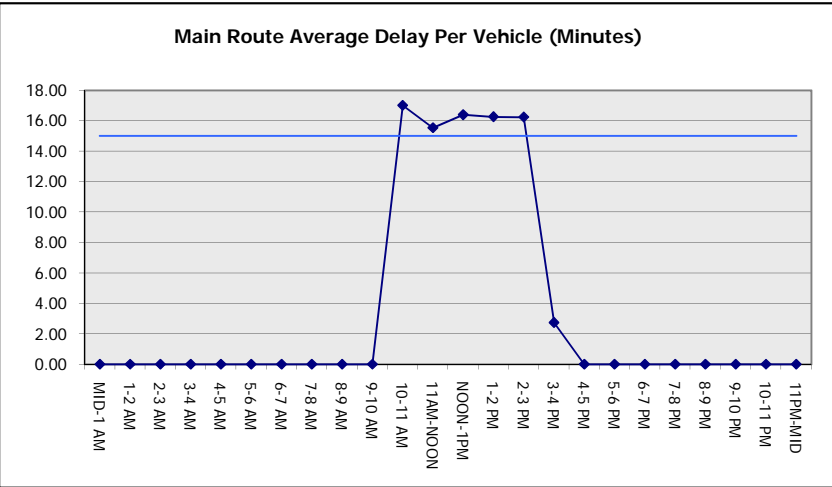
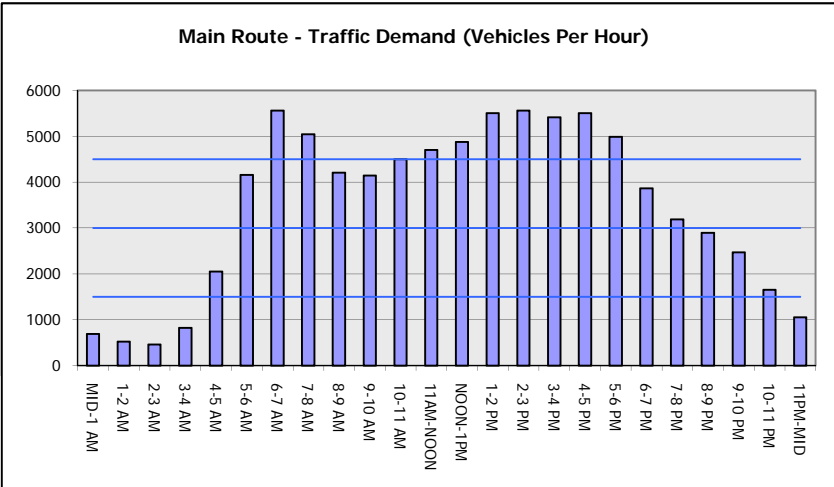
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0280
MAIN ROUTE WITH WORKS	0.0218
'DIVERSION'	0.0132
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$91,400
CONGESTED HOURS PER DAY*	5

*Delays Exceeding User-Specified Maximum

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



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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	630	0.0	OFF	630	0	0.00	0	69.9	69.9	69.9
1-2 AM	519	0.0	OFF	519	0	0.00	0	70.1	70.1	70.1
2-3 AM	546	0.0	OFF	546	0	0.00	0	70.0	70.0	70.0
3-4 AM	810	0.0	OFF	810	0	0.00	0	69.7	69.7	69.7
4-5 AM	2119	0.0	OFF	2119	0	0.00	0	68.1	68.1	68.1
5-6 AM	4219	0.0	OFF	4219	0	0.00	0	62.0	62.0	62.0
6-7 AM	4887	0.0	OFF	4887	0	0.00	0	57.4	57.4	57.4
7-8 AM	4550	0.0	OFF	4550	0	0.00	0	59.8	59.8	59.8
8-9 AM	4032	0.0	OFF	4032	0	0.00	0	63.3	63.3	63.3
9-10 AM	3706	0.0	OFF	3706	0	0.00	0	65.5	65.5	65.5
10-11 AM	3694	0.0	1499	1571	2123	17.08+	428	65.6	7.6	36.6
11AM-NOON	3784	0.0	1499	1776	2007	15.10+	390	65.0	8.3	35.3
NOON-1PM	3806	0.0	1499	1500	2306	16.88+	417	64.8	7.6	31.1
1-2 PM	3913	0.0	1500	1500	2413	16.85+	417	64.1	7.6	31.1
2-3 PM	4132	0.0	1500	1500	2632	16.80+	417	62.6	7.6	31.1
3-4 PM	4270	0.0	OFF	4270	0	0.43	34	61.7	50.9	50.9
4-5 PM	4409	0.0	OFF	4409	0	0.00	0	60.7	60.7	60.7
5-6 PM	4019	0.0	OFF	4019	0	0.00	0	63.4	63.4	63.4
6-7 PM	3301	0.0	OFF	3301	0	0.00	0	66.6	66.6	66.6
7-8 PM	2830	0.0	OFF	2830	0	0.00	0	67.2	67.2	67.2
8-9 PM	2605	0.0	OFF	2605	0	0.00	0	67.5	67.5	67.5
9-10 PM	2270	0.0	OFF	2270	0	0.00	0	67.9	67.9	67.9
10-11 PM	1487	0.0	OFF	1487	0	0.00	0	68.9	68.9	68.9
11PM-MID	939	0.0	OFF	939	0	0.00	0	69.6	69.6	69.6

"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	0.0239
MAIN ROUTE WITH WORKS	0.0195
'DIVERSION'	0.0089

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$69,323
CONGESTED HOURS PER DAY*	5

*Delays Exceeding User-Specified Maximum

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