

IH 94: USH 41 AND IH 43 (MILWAUKEE COUNTY) OFF-PEAK DAY 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	2999	3851	651	10.97+	639	60.1	12.5	37.3	
11AM-NOON	4699	0.0	3000	3089	1611	17.36+	941	58.7	10.1	37.3	
NOON-1PM	4876	0.0	3000	3000	1876	17.51+	953	57.6	10.0	37.3	
1-2 PM	5502	0.0	3000	3000	2502	17.22+	953	53.3	10.0	37.3	
2-3 PM	5560	0.0	3000	3000	2560	17.19+	953	52.8	10.0	37.3	
3-4 PM	5417	0.0	OFF	5417	0	6.67	647	53.8	14.0	14.0	
4-5 PM	5502	0.0	OFF	5502	0	1.39	127	53.3	33.6	33.6	
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

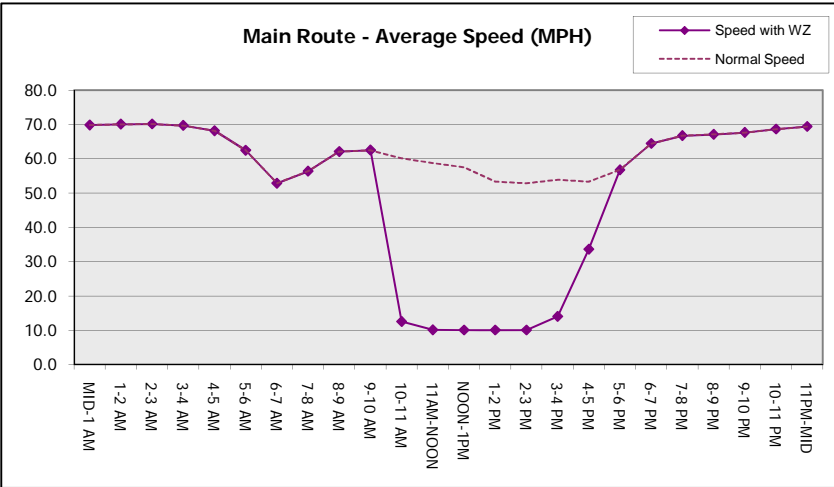
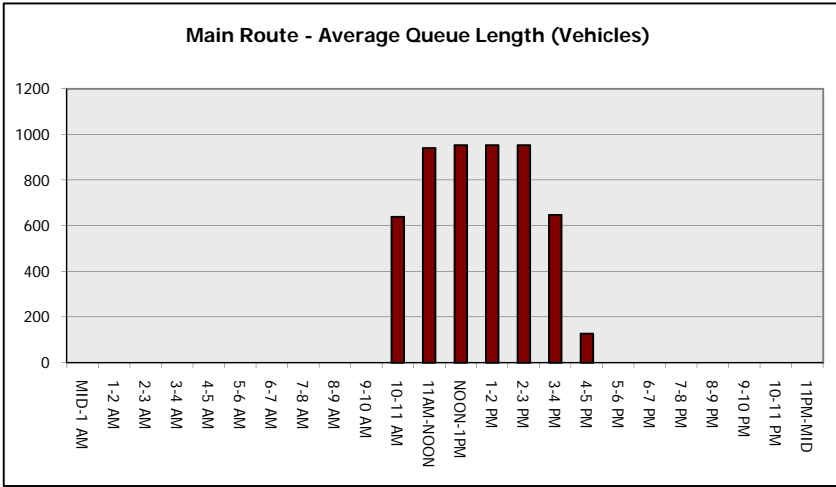
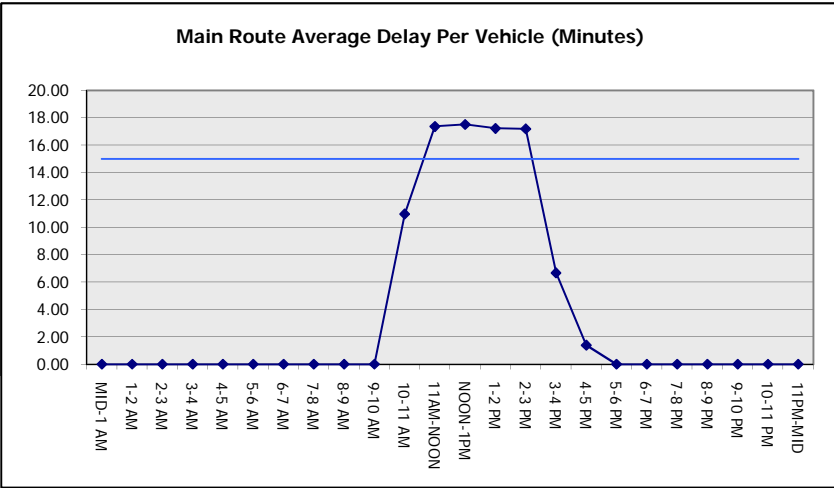
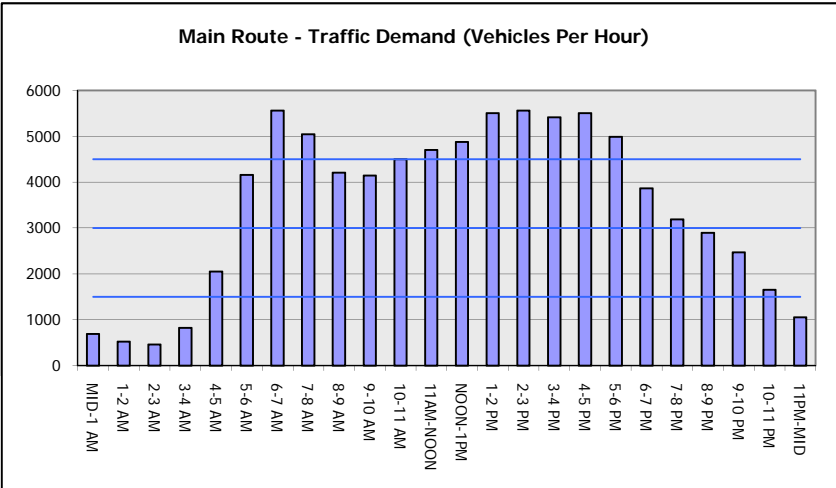
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0280
MAIN ROUTE WITH WORKS	0.0239
'DIVERSION'	0.0071
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$92,013
CONGESTED HOURS PER DAY*	5

*Delays Exceeding User-Specified Maximum

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Construction Season

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	2999	3694	0	5.99	344	65.6	17.4	37.3
11AM-NOON	3784	0.0	2999	3211	572	16.34+	866	65.0	10.4	37.3
NOON-1PM	3806	0.0	2999	2994	812	16.82+	892	64.8	10.2	37.3
1-2 PM	3913	0.0	2999	2997	916	16.80+	893	64.1	10.2	37.3
2-3 PM	4132	0.0	2999	3006	1126	16.82+	898	62.6	10.2	37.3
3-4 PM	4270	0.0	OFF	4270	0	2.58	235	61.7	27.2	27.2
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 (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	0.0239
MAIN ROUTE WITH WORKS	0.0217
'DIVERSION'	0.0027

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$60,105
CONGESTED HOURS PER DAY*	4

*Delays Exceeding User-Specified Maximum

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

