

IH 94: USH 41 AND IH 43 (MILWAUKEE COUNTY) NIGHTTIME 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	3000	694	0	0.36	0	69.9	58.4	49.7
1-2 AM	524	0.0	3000	524	0	0.36	0	70.1	58.4	49.7
2-3 AM	457	0.0	3000	457	0	0.36	0	70.2	58.4	49.7
3-4 AM	820	0.0	3000	820	0	0.35	0	69.7	58.3	49.7
4-5 AM	2048	0.0	2999	2048	0	0.36	0	68.2	57.1	48.7
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	OFF	4501	0	0.00	0	60.1	60.1	60.1
11AM-NOON	4699	0.0	OFF	4699	0	0.00	0	58.7	58.7	58.7
NOON-1PM	4876	0.0	OFF	4876	0	0.00	0	57.6	57.6	57.6
1-2 PM	5502	0.0	OFF	5502	0	0.00	0	53.3	53.3	53.3
2-3 PM	5560	0.0	OFF	5560	0	0.00	0	52.8	52.8	52.8
3-4 PM	5417	0.0	OFF	5417	0	0.00	0	53.8	53.8	53.8
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	2999	3186	0	2.81	123	66.8	26.8	37.3
8-9 PM	2896	0.0	2999	2896	0	3.52	156	67.1	23.3	37.4
9-10 PM	2467	0.0	3000	2467	0	0.53	9	67.7	52.7	46.5
10-11 PM	1654	0.0	3000	1654	0	0.34	0	68.7	57.9	49.7
11PM-MID	1056	0.0	3000	1056	0	0.35	0	69.4	58.2	49.7

"OFF" INDICATES NO ROAD WORK (ALL LANES OPEN TO TRAFFIC)

----- 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

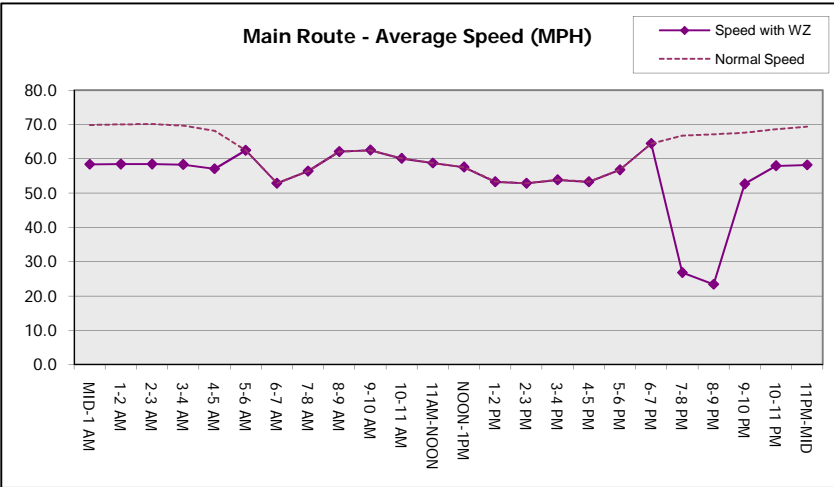
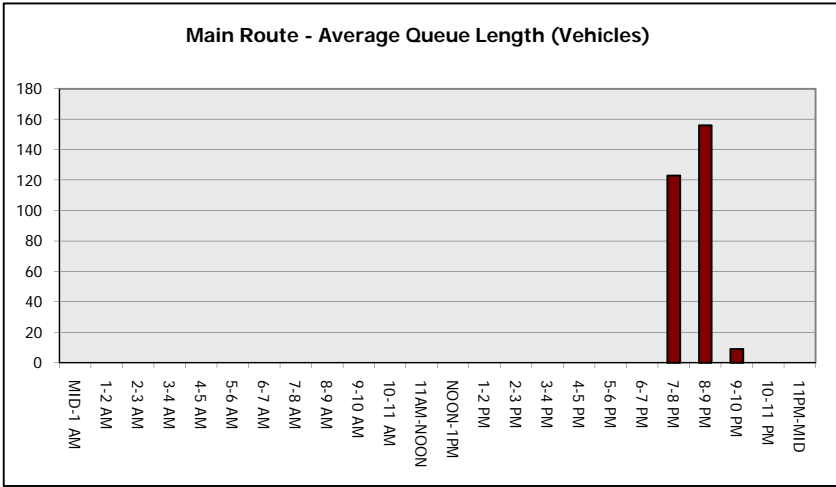
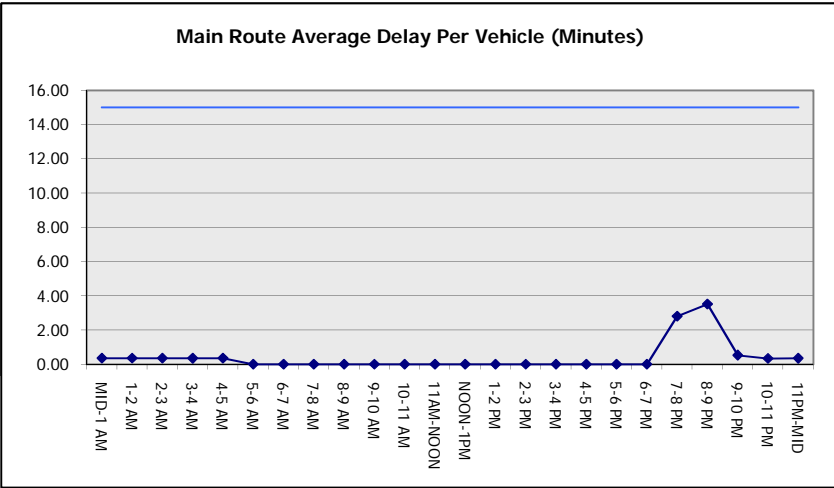
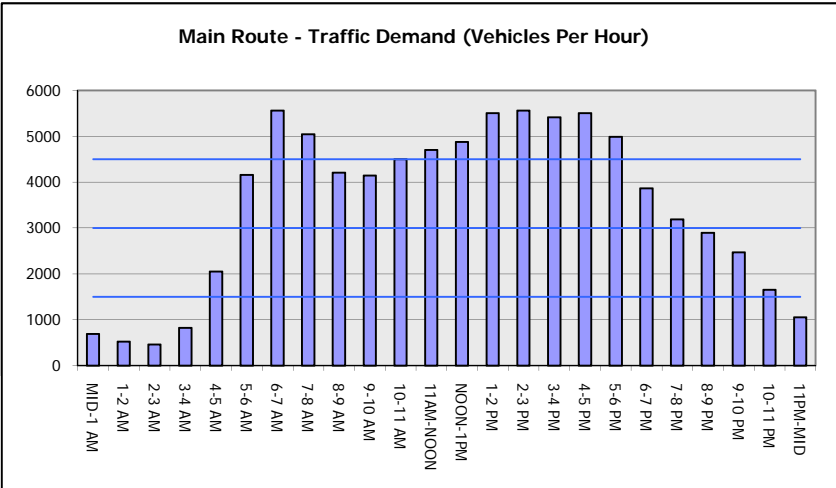
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0280
MAIN ROUTE WITH WORKS	0.0270
'DIVERSION'	0.0000
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$5,094
CONGESTED HOURS PER DAY*	0

*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	3000	630	0	0.36	0	69.9	58.4	49.7
1-2 AM	519	0.0	3000	519	0	0.36	0	70.1	58.4	49.7
2-3 AM	546	0.0	3000	546	0	0.36	0	70.0	58.4	49.7
3-4 AM	810	0.0	3000	810	0	0.35	0	69.7	58.3	49.7
4-5 AM	2119	0.0	2999	2119	0	0.38	0	68.1	56.4	47.7
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	OFF	3694	0	0.00	0	65.6	65.6	65.6
11AM-NOON	3784	0.0	OFF	3784	0	0.00	0	65.0	65.0	65.0
NOON-1PM	3806	0.0	OFF	3806	0	0.00	0	64.8	64.8	64.8
1-2 PM	3913	0.0	OFF	3913	0	0.00	0	64.1	64.1	64.1
2-3 PM	4132	0.0	OFF	4132	0	0.00	0	62.6	62.6	62.6
3-4 PM	4270	0.0	OFF	4270	0	0.00	0	61.7	61.7	61.7
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	3000	2830	0	0.62	0	67.2	50.5	40.0
8-9 PM	2605	0.0	3000	2605	0	0.47	0	67.5	53.9	44.4
9-10 PM	2270	0.0	3000	2270	0	0.33	0	67.9	57.6	49.7
10-11 PM	1487	0.0	3000	1487	0	0.34	0	68.9	58.0	49.7
11PM-MID	939	0.0	3000	939	0	0.35	0	69.6	58.2	49.7

"OFF" INDICATES NO ROAD WORK (ALL LANES OPEN TO TRAFFIC)

----- 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	0.0229
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$1,386
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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

