

IH 94: USH 41 AND IH 43 (MILWAUKEE COUNTY) NIGHTTIME 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	1499	909	0	2.20	99	69.6	31.4	39.4
1-2 AM	634	0.0	1500	634	0	0.55	0	69.9	53.7	43.0
2-3 AM	480	0.0	1500	480	0	0.53	0	70.1	54.2	43.6
3-4 AM	423	0.0	1500	423	0	0.52	0	70.2	54.3	43.8
4-5 AM	750	0.0	1500	750	0	0.56	0	69.8	53.3	42.6
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	OFF	4097	0	0.00	0	62.8	62.8	62.8
11AM-NOON	4654	0.0	OFF	4654	0	0.00	0	59.1	59.1	59.1
NOON-1PM	4699	0.0	OFF	4699	0	0.00	0	58.7	58.7	58.7
1-2 PM	4778	0.0	OFF	4778	0	0.00	0	58.2	58.2	58.2
2-3 PM	5437	0.0	OFF	5437	0	0.00	0	53.7	53.7	53.7
3-4 PM	5186	0.0	OFF	5186	0	0.00	0	55.5	55.5	55.5
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	1499	1571	1628	17.11+	428	66.8	7.6	36.6
8-9 PM	2688	0.0	1499	1618	1070	14.77+	388	67.4	8.4	35.8
9-10 PM	2580	0.0	1499	1787	794	15.91+	393	67.5	7.9	30.8
10-11 PM	1948	0.0	1499	1452	497	16.60+	406	68.3	7.7	30.8
11PM-MID	1442	0.0	1499	1387	55	15.72+	383	68.9	7.9	30.8

"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

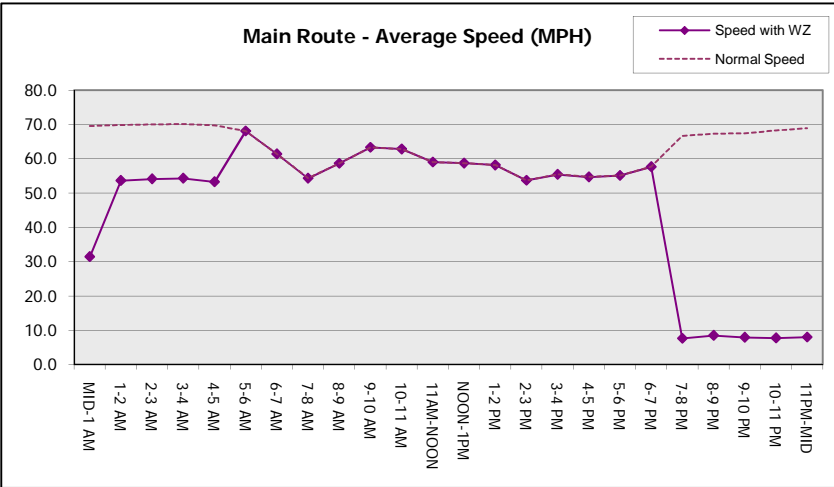
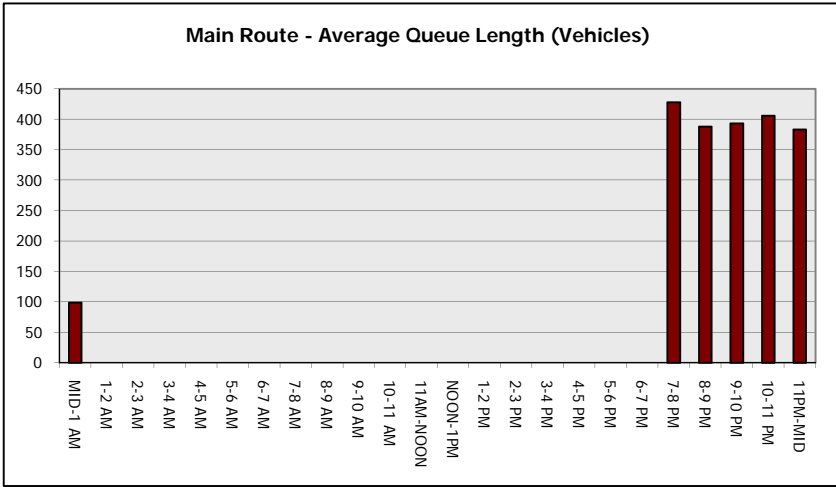
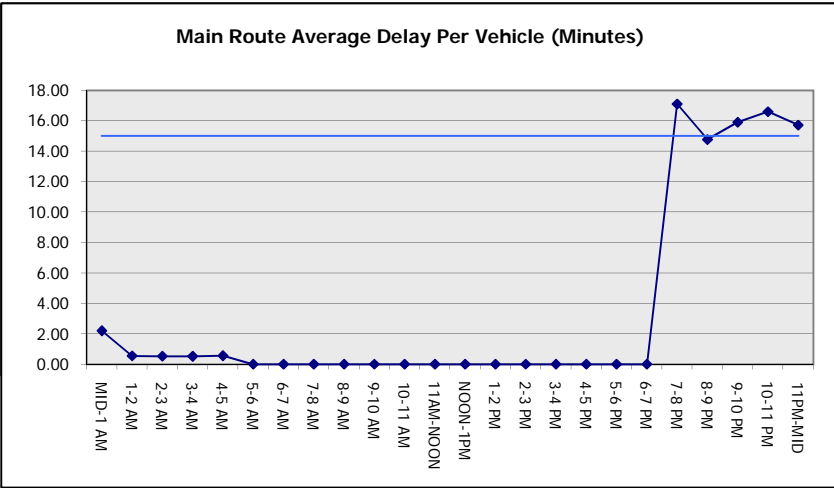
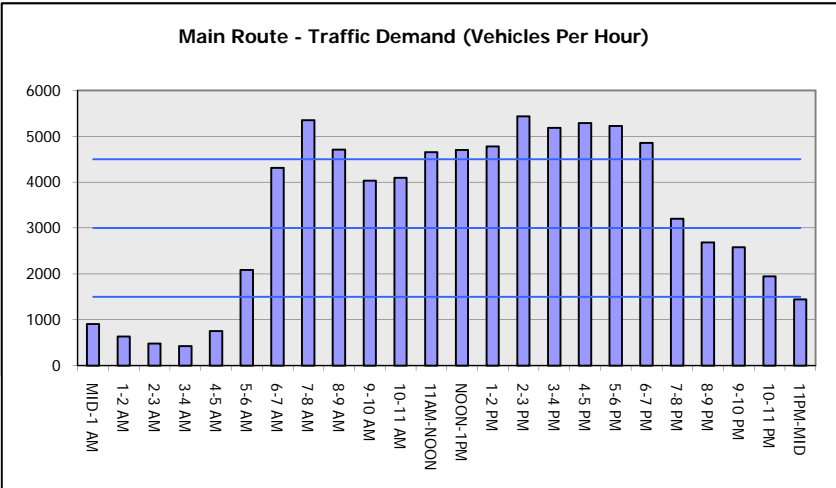
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0267
MAIN ROUTE WITH WORKS	0.0246
'DIVERSION'	0.0031
<small>PIA: Personal Injury Accidents</small>	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$44,571
CONGESTED HOURS PER DAY*	5

*Delays Exceeding User-Specified Maximum

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 NIGHTTIME 2 LANE CLOSURE
 NO DIVERSION ROUTE (MAX QUEUE METHOD)**

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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) NIGHTTIME 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	1500	675	0	0.55	0	69.9	53.5	42.8
1-2 AM	388	0.0	1500	388	0	0.52	0	70.2	54.4	44.0
2-3 AM	300	0.0	1500	300	0	0.51	0	70.2	54.6	44.3
3-4 AM	328	0.0	1500	328	0	0.51	0	70.2	54.6	44.2
4-5 AM	582	0.0	1500	582	0	0.54	0	70.0	53.8	43.2
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	OFF	3278	0	0.00	0	66.6	66.6	66.6
11AM-NOON	3471	0.0	OFF	3471	0	0.00	0	66.4	66.4	66.4
NOON-1PM	3341	0.0	OFF	3341	0	0.00	0	66.6	66.6	66.6
1-2 PM	3505	0.0	OFF	3505	0	0.00	0	66.4	66.4	66.4
2-3 PM	3741	0.0	OFF	3741	0	0.00	0	65.3	65.3	65.3
3-4 PM	3650	0.0	OFF	3650	0	0.00	0	66.0	66.0	66.0
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	1499	1626	1167	15.31+	385	67.3	8.1	36.1
8-9 PM	2164	0.0	1499	1818	346	14.11+	354	68.1	8.6	30.8
9-10 PM	2361	0.0	1499	1498	863	16.76+	410	67.8	7.6	30.8
10-11 PM	1752	0.0	1499	1457	294	16.60+	406	68.6	7.7	30.8
11PM-MID	1096	0.0	1499	1096	0	7.52	230	69.4	13.8	35.3

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

+ INDICATES QUEUEING EXCEEDS USER-SPECIFIED MAXIMUM LIMIT

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

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

MAIN ROUTE WITHOUT WORKS	0.0213
MAIN ROUTE WITH WORKS	0.0198
'DIVERSION'	0.0021

PIA: Personal Injury Accidents

ROAD USER COSTS PER DAY	\$34,835
CONGESTED HOURS PER DAY*	4

*Delays Exceeding User-Specified Maximum

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MON-THUR EASTBOUND DIRECTION

