

IH 94: CTH BB/RAWSON AVE TO STH 100/Ryan RD (MILWAUKEE COUNTY) NIGHTTIME 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	716	0.0	3000	716	0	0.36	0	70.2	61.5	49.7
1-2 AM	427	0.0	3000	427	0	0.36	0	70.2	61.5	49.7
2-3 AM	375	0.0	3000	375	0	0.36	0	70.2	61.5	49.7
3-4 AM	425	0.0	3000	425	0	0.36	0	70.2	61.5	49.7
4-5 AM	672	0.0	3000	672	0	0.36	0	70.2	61.5	49.7
5-6 AM	1826	0.0	OFF	1826	0	0.00	0	69.7	69.7	69.7
6-7 AM	3577	0.0	OFF	3577	0	0.00	0	67.6	67.6	67.6
7-8 AM	4078	0.0	OFF	4078	0	0.00	0	64.3	64.3	64.3
8-9 AM	3402	0.0	OFF	3402	0	0.00	0	67.8	67.8	67.8
9-10 AM	2907	0.0	OFF	2907	0	0.00	0	68.4	68.4	68.4
10-11 AM	2974	0.0	OFF	2974	0	0.00	0	68.4	68.4	68.4
11AM-NOON	3045	0.0	OFF	3045	0	0.00	0	68.2	68.2	68.2
NOON-1PM	2969	0.0	OFF	2969	0	0.00	0	68.4	68.4	68.4
1-2 PM	2918	0.0	OFF	2918	0	0.00	0	68.4	68.4	68.4
2-3 PM	3406	0.0	OFF	3406	0	0.00	0	67.8	67.8	67.8
3-4 PM	3658	0.0	OFF	3658	0	0.00	0	67.2	67.2	67.2
4-5 PM	3545	0.0	OFF	3545	0	0.00	0	67.6	67.6	67.6
5-6 PM	3323	0.0	OFF	3323	0	0.00	0	67.9	67.9	67.9
6-7 PM	2744	0.0	OFF	2744	0	0.00	0	68.6	68.6	68.6
7-8 PM	2182	0.0	3000	2182	0	0.35	0	69.3	61.1	49.7
8-9 PM	1822	0.0	3000	1822	0	0.35	0	69.8	61.4	49.7
9-10 PM	1785	0.0	3000	1785	0	0.35	0	69.8	61.4	49.7
10-11 PM	1485	0.0	3000	1485	0	0.36	0	70.2	61.5	49.7
11PM-MID	1133	0.0	3000	1133	0	0.36	0	70.2	61.5	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

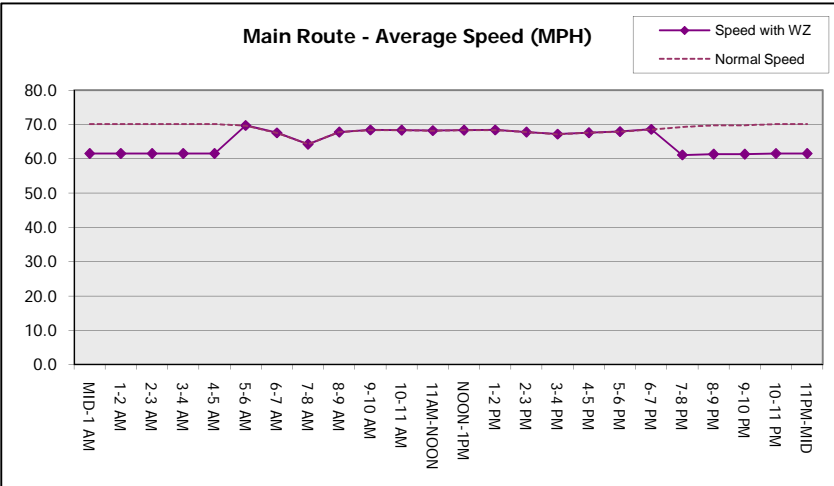
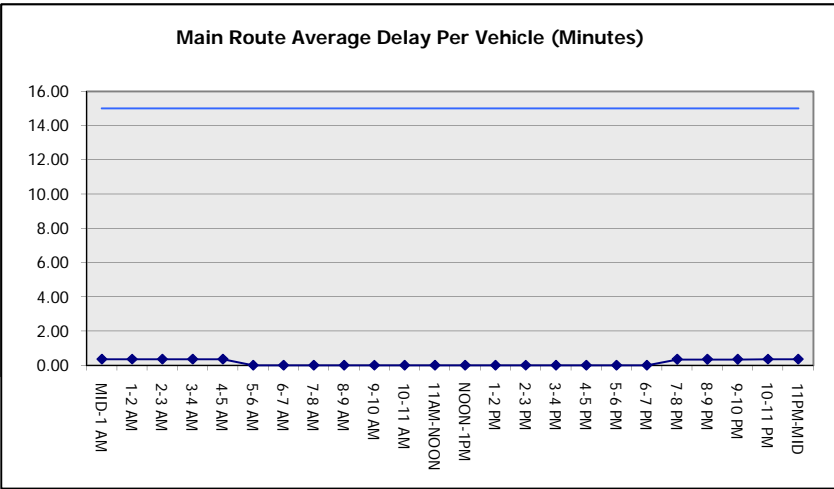
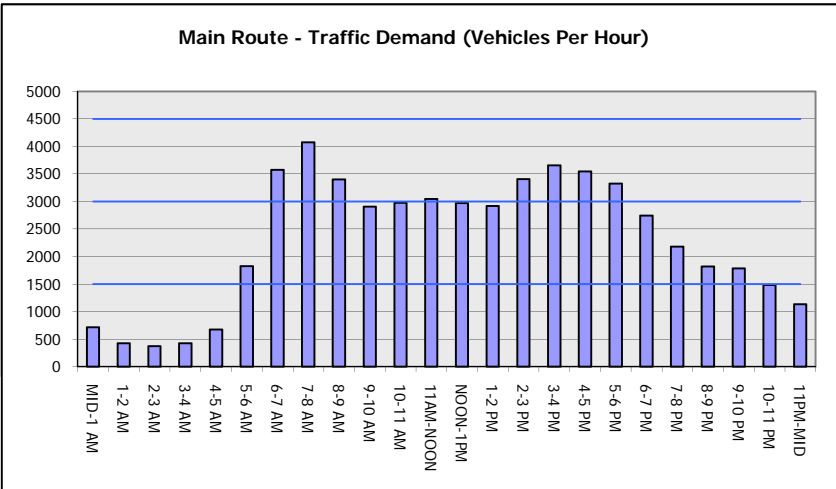
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0265
MAIN ROUTE WITH WORKS	0.0257
'DIVERSION'	0.0000
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$770
CONGESTED HOURS PER DAY*	0

*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	638	0.0	3000	638	0	0.36	0	70.2	61.5	49.7
1-2 AM	420	0.0	3000	420	0	0.36	0	70.2	61.5	49.7
2-3 AM	391	0.0	3000	391	0	0.36	0	70.2	61.5	49.7
3-4 AM	471	0.0	3000	471	0	0.36	0	70.2	61.5	49.7
4-5 AM	994	0.0	3000	994	0	0.36	0	70.2	61.5	49.7
5-6 AM	2160	0.0	OFF	2160	0	0.00	0	69.4	69.4	69.4
6-7 AM	3087	0.0	OFF	3087	0	0.00	0	68.2	68.2	68.2
7-8 AM	3172	0.0	OFF	3172	0	0.00	0	68.1	68.1	68.1
8-9 AM	2918	0.0	OFF	2918	0	0.00	0	68.4	68.4	68.4
9-10 AM	2829	0.0	OFF	2829	0	0.00	0	68.5	68.5	68.5
10-11 AM	2662	0.0	OFF	2662	0	0.00	0	68.7	68.7	68.7
11AM-NOON	2822	0.0	OFF	2822	0	0.00	0	68.6	68.6	68.6
NOON-1PM	3029	0.0	OFF	3029	0	0.00	0	68.2	68.2	68.2
1-2 PM	3049	0.0	OFF	3049	0	0.00	0	68.2	68.2	68.2
2-3 PM	3687	0.0	OFF	3687	0	0.00	0	66.9	66.9	66.9
3-4 PM	4024	0.0	OFF	4024	0	0.00	0	64.6	64.6	64.6
4-5 PM	4387	0.0	OFF	4387	0	0.00	0	62.2	62.2	62.2
5-6 PM	4356	0.0	OFF	4356	0	0.00	0	62.4	62.4	62.4
6-7 PM	3335	0.0	OFF	3335	0	0.00	0	67.9	67.9	67.9
7-8 PM	2413	0.0	3000	2413	0	0.38	0	69.1	60.3	48.4
8-9 PM	2071	0.0	3000	2071	0	0.35	0	69.5	61.2	49.7
9-10 PM	1929	0.0	3000	1929	0	0.35	0	69.6	61.3	49.7
10-11 PM	1583	0.0	3000	1583	0	0.36	0	70.0	61.5	49.7
11PM-MID	1110	0.0	3000	1110	0	0.36	0	70.2	61.5	49.7

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

----- 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	0.0275
MAIN ROUTE WITH WORKS	0.0267
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$853
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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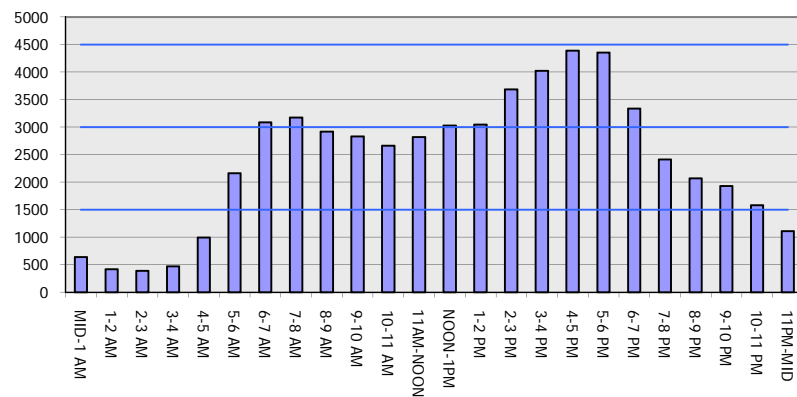
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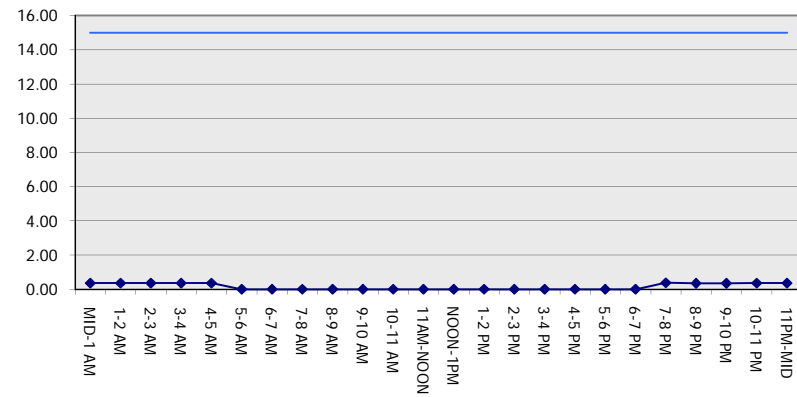
GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT

MON-THUR EASTBOUND DIRECTION

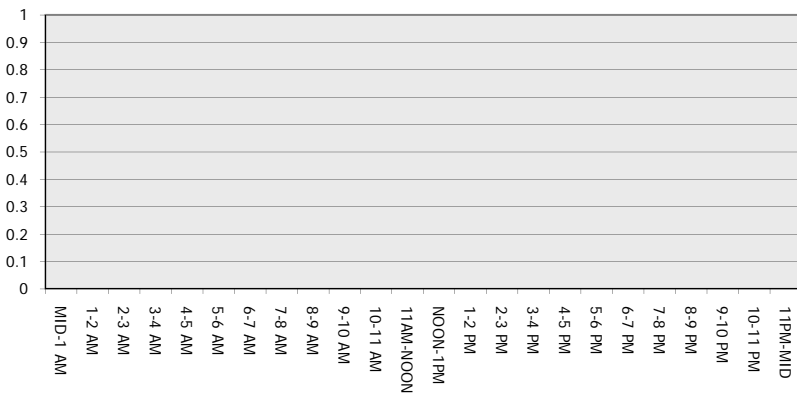
Main Route - Traffic Demand (Vehicles Per Hour)



Main Route Average Delay Per Vehicle (Minutes)



Main Route - Average Queue Length (Vehicles)



Main Route - Average Speed (MPH)

