

IH 43: CTH Y TO HALE INTERCHANGE (WAUKESHA AND MILWAUKEE COUNTIES) NIGHTTIME CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	AUGUST
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

SUNDAY SOUTHBOUND 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	334	0.0	1500	334	0	0.45	0	65.8	61.2	44.2
1-2 AM	216	0.0	1500	216	0	0.44	0	66.0	61.5	44.6
2-3 AM	153	0.0	1500	153	0	0.44	0	66.1	61.7	44.9
3-4 AM	143	0.0	1500	143	0	0.44	0	66.1	61.7	44.9
4-5 AM	226	0.0	1500	226	0	0.44	0	66.0	61.5	44.6
5-6 AM	398	0.0	1500	398	0	0.46	0	65.6	61.0	43.9
6-7 AM	533	0.0	1500	533	0	0.47	0	65.4	60.7	43.4
7-8 AM	577	0.0	1500	577	0	0.48	0	65.3	60.6	43.2
8-9 AM	993	0.0	OFF	993	0	0.00	0	64.5	64.5	64.5
9-10 AM	1263	0.0	OFF	1263	0	0.00	0	64.0	64.0	64.0
10-11 AM	1462	0.0	OFF	1462	0	0.00	0	63.7	63.7	63.7
11AM-NOON	1648	0.0	OFF	1648	0	0.00	0	63.3	63.3	63.3
NOON-1PM	1729	0.0	OFF	1729	0	0.00	0	63.2	63.2	63.2
1-2 PM	1662	0.0	OFF	1662	0	0.00	0	63.3	63.3	63.3
2-3 PM	1802	0.0	OFF	1802	0	0.00	0	63.0	63.0	63.0
3-4 PM	1840	0.0	OFF	1840	0	0.00	0	63.0	63.0	63.0
4-5 PM	1553	0.0	OFF	1553	0	0.00	0	63.5	63.5	63.5
5-6 PM	1431	0.0	OFF	1431	0	0.00	0	63.7	63.7	63.7
6-7 PM	1285	0.0	1500	1285	0	0.75	0	64.0	57.2	35.9
7-8 PM	1089	0.0	1500	1089	0	0.53	0	64.3	59.4	41.4
8-9 PM	812	0.0	1500	812	0	0.50	0	64.9	60.0	42.4
9-10 PM	613	0.0	1500	613	0	0.48	0	65.3	60.5	43.1
10-11 PM	382	0.0	1500	382	0	0.46	0	65.7	61.1	44.0
11PM-MID	592	0.0	1500	592	0	0.48	0	65.3	60.5	43.2

"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

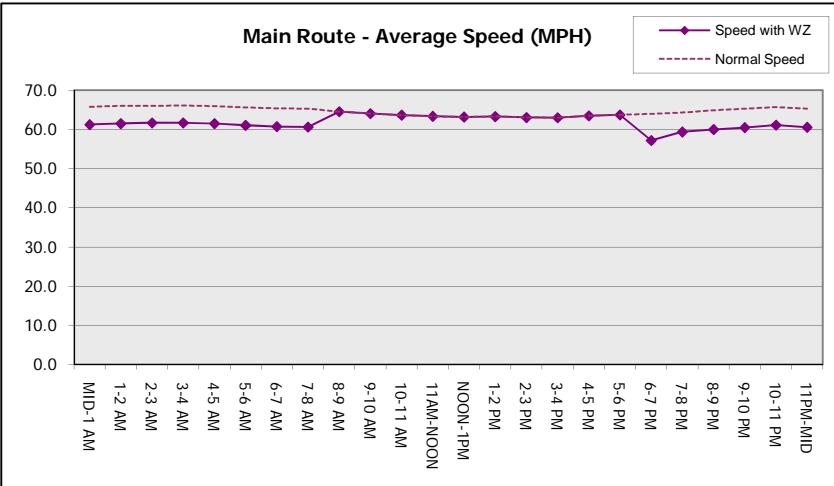
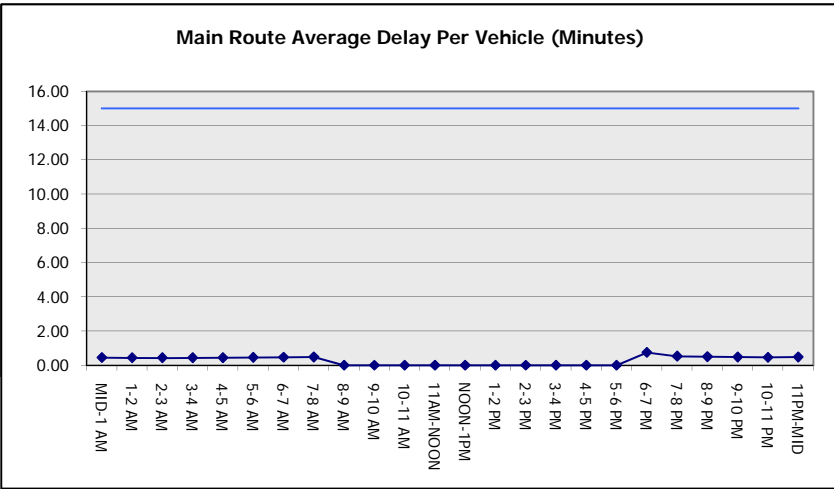
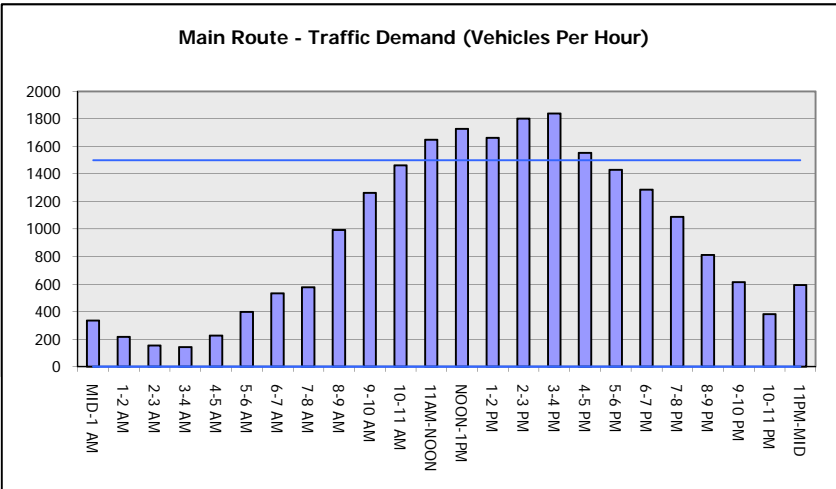
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0242
MAIN ROUTE WITH WORKS	0.0237
'DIVERSION'	0.0000
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$946
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY SOUTHBOUND DIRECTION



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SUMMARY OF TRAFFIC MODEL OUTPUT

SUNDAY NORTHBOUND 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	243	0.0	1500	243	0	0.45	0	66.0	61.4	44.5
1-2 AM	173	0.0	1500	173	0	0.44	0	66.1	61.6	44.8
2-3 AM	142	0.0	1500	142	0	0.44	0	66.1	61.7	44.9
3-4 AM	158	0.0	1500	158	0	0.44	0	66.1	61.7	44.8
4-5 AM	267	0.0	1500	267	0	0.45	0	65.9	61.4	44.4
5-6 AM	404	0.0	1500	404	0	0.46	0	65.6	61.0	43.9
6-7 AM	480	0.0	1500	480	0	0.47	0	65.5	60.9	43.6
7-8 AM	651	0.0	1500	651	0	0.49	0	65.1	60.4	42.9
8-9 AM	1052	0.0	OFF	1052	0	0.00	0	64.4	64.4	64.4
9-10 AM	1392	0.0	OFF	1392	0	0.00	0	63.8	63.8	63.8
10-11 AM	1665	0.0	OFF	1665	0	0.00	0	63.3	63.3	63.3
11AM-NOON	1694	0.0	OFF	1694	0	0.00	0	63.2	63.2	63.2
NOON-1PM	1684	0.0	OFF	1684	0	0.00	0	63.2	63.2	63.2
1-2 PM	1552	0.0	OFF	1552	0	0.00	0	63.5	63.5	63.5
2-3 PM	1527	0.0	OFF	1527	0	0.00	0	63.5	63.5	63.5
3-4 PM	1576	0.0	OFF	1576	0	0.00	0	63.5	63.5	63.5
4-5 PM	1484	0.0	OFF	1484	0	0.00	0	63.6	63.6	63.6
5-6 PM	1444	0.0	OFF	1444	0	0.00	0	63.7	63.7	63.7
6-7 PM	1289	0.0	1500	1289	0	0.75	0	64.0	57.1	35.8
7-8 PM	1225	0.0	1500	1225	0	0.67	0	64.1	57.9	37.6
8-9 PM	917	0.0	1500	917	0	0.51	0	64.7	59.7	42.0
9-10 PM	599	0.0	1500	599	0	0.48	0	65.3	60.5	43.2
10-11 PM	349	0.0	1500	349	0	0.46	0	65.8	61.2	44.1
11PM-MID	513	0.0	1500	513	0	0.47	0	65.5	60.7	43.5

"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	0.0240
MAIN ROUTE WITH WORKS	0.0235
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$1,001
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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