

IH 43: CTH Y TO HALE INTERCHANGE (WAUKESHA AND MILWAUKEE COUNTIES) OFF-PEAK DAY CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	MAY
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

MON-THUR 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	157	0.0	OFF	157	0	0.00	0	66.1	66.1	66.1	
1-2 AM	127	0.0	OFF	127	0	0.00	0	66.1	66.1	66.1	
2-3 AM	160	0.0	OFF	160	0	0.00	0	66.1	66.1	66.1	
3-4 AM	314	0.0	OFF	314	0	0.00	0	65.8	65.8	65.8	
4-5 AM	700	0.0	OFF	700	0	0.00	0	65.1	65.1	65.1	
5-6 AM	1452	0.0	OFF	1452	0	0.00	0	63.7	63.7	63.7	
6-7 AM	1974	0.0	OFF	1974	0	0.00	0	62.7	62.7	62.7	
7-8 AM	1717	0.0	OFF	1717	0	0.00	0	63.2	63.2	63.2	
8-9 AM	1273	0.0	OFF	1273	0	0.00	0	64.0	64.0	64.0	
9-10 AM	1201	0.0	OFF	1201	0	0.00	0	64.1	64.1	64.1	
10-11 AM	1273	0.0	1500	1273	0	0.73	0	64.0	57.3	36.3	
11AM-NOON	1373	0.0	1499	1373	0	0.86	0	63.8	56.1	33.7	
NOON-1PM	1499	0.0	1499	1499	0	1.25	7	63.6	53.1	31.5	
1-2 PM	1875	0.0	1500	1875	0	7.05	188	62.9	29.9	30.8	
2-3 PM	2450	0.0	1499	1500	950	15.63+	399	61.4	18.1	30.8	
3-4 PM	2796	0.0	OFF	2796	0	1.57	68	57.9	47.2	47.2	
4-5 PM	2623	0.0	OFF	2623	0	0.00	0	59.6	59.6	59.6	
5-6 PM	1995	0.0	OFF	1995	0	0.00	0	62.7	62.7	62.7	
6-7 PM	1319	0.0	OFF	1319	0	0.00	0	63.9	63.9	63.9	
7-8 PM	1054	0.0	OFF	1054	0	0.00	0	64.4	64.4	64.4	
8-9 PM	894	0.0	OFF	894	0	0.00	0	64.7	64.7	64.7	
9-10 PM	709	0.0	OFF	709	0	0.00	0	65.1	65.1	65.1	
10-11 PM	468	0.0	OFF	468	0	0.00	0	65.5	65.5	65.5	
11PM-MID	273	0.0	OFF	273	0	0.00	0	65.9	65.9	65.9	

"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

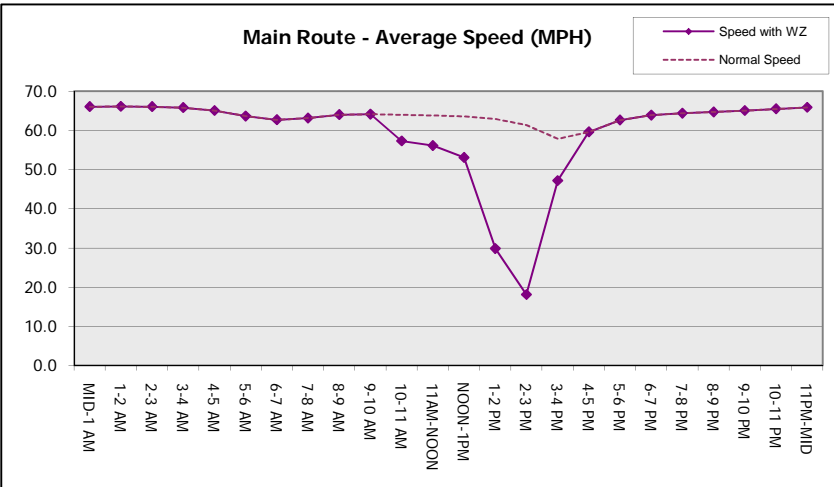
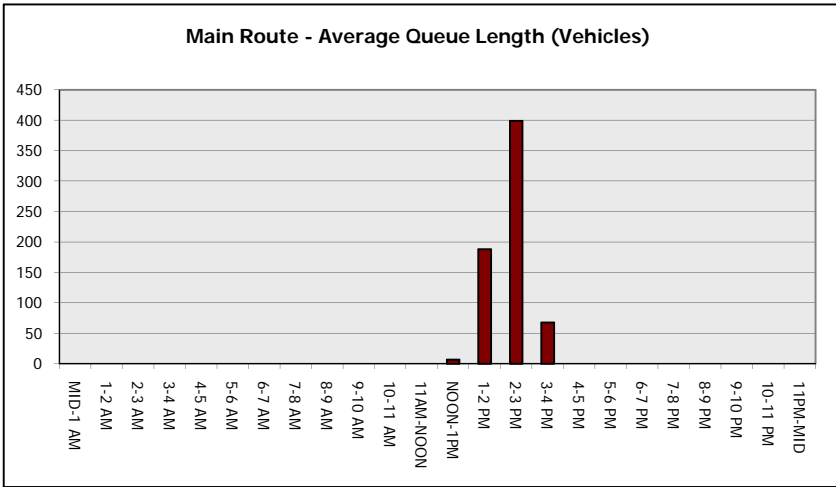
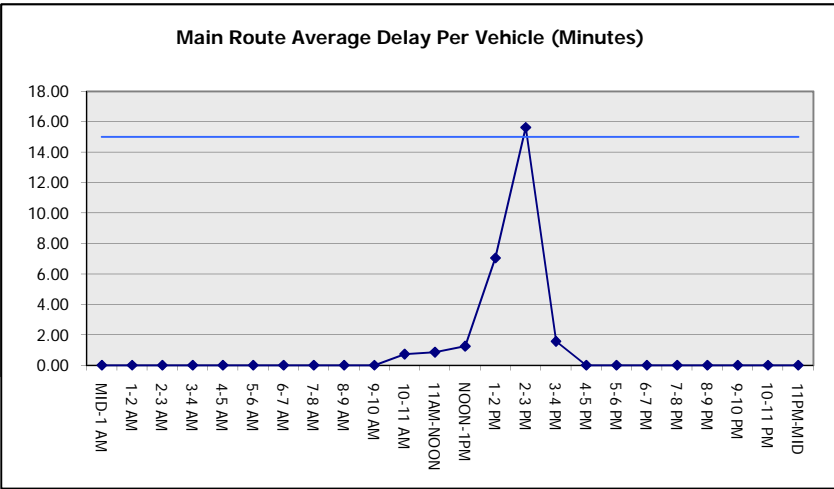
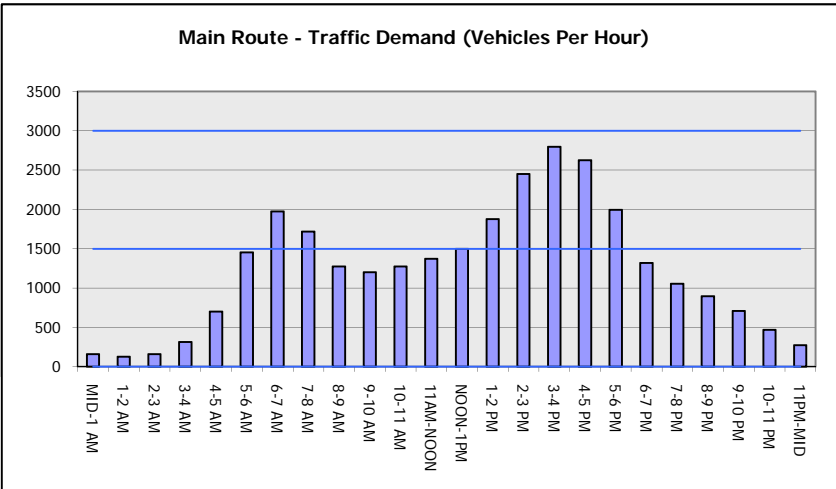
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0316
MAIN ROUTE WITH WORKS	0.0301
'DIVERSION'	0.0023
<small>PIA: Personal Injury Accidents</small>	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$10,978
CONGESTED HOURS PER DAY*	1

*Delays Exceeding User-Specified Maximum

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 Construction Season

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



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SUMMARY OF TRAFFIC MODEL OUTPUT

MON-THUR 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	143	0.0	OFF	143	0	0.00	0	66.1	66.1	66.1
1-2 AM	125	0.0	OFF	125	0	0.00	0	66.1	66.1	66.1
2-3 AM	187	0.0	OFF	187	0	0.00	0	66.0	66.0	66.0
3-4 AM	467	0.0	OFF	467	0	0.00	0	65.5	65.5	65.5
4-5 AM	1391	0.0	OFF	1391	0	0.00	0	63.8	63.8	63.8
5-6 AM	2553	0.0	OFF	2553	0	0.00	0	60.4	60.4	60.4
6-7 AM	2746	0.0	OFF	2746	0	0.00	0	58.4	58.4	58.4
7-8 AM	2182	0.0	OFF	2182	0	0.00	0	62.3	62.3	62.3
8-9 AM	1644	0.0	OFF	1644	0	0.00	0	63.3	63.3	63.3
9-10 AM	1409	0.0	OFF	1409	0	0.00	0	63.8	63.8	63.8
10-11 AM	1359	0.0	1500	1359	0	0.84	0	63.8	56.3	34.0
11AM-NOON	1361	0.0	1500	1361	0	0.85	0	63.8	56.3	33.9
NOON-1PM	1454	0.0	1499	1454	0	0.97	0	63.7	55.2	31.7
1-2 PM	1562	0.0	1499	1562	0	1.72	20	63.5	49.9	30.8
2-3 PM	1805	0.0	1500	1805	0	7.70	197	63.0	28.5	30.8
3-4 PM	2103	0.0	OFF	2103	0	0.67	35	62.5	56.6	56.6
4-5 PM	2123	0.0	OFF	2123	0	0.00	0	62.4	62.4	62.4
5-6 PM	1616	0.0	OFF	1616	0	0.00	0	63.4	63.4	63.4
6-7 PM	1137	0.0	OFF	1137	0	0.00	0	64.3	64.3	64.3
7-8 PM	910	0.0	OFF	910	0	0.00	0	64.7	64.7	64.7
8-9 PM	776	0.0	OFF	776	0	0.00	0	65.0	65.0	65.0
9-10 PM	591	0.0	OFF	591	0	0.00	0	65.3	65.3	65.3
10-11 PM	393	0.0	OFF	393	0	0.00	0	65.6	65.6	65.6
11PM-MID	236	0.0	OFF	236	0	0.00	0	66.0	66.0	66.0

"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	0.0323
MAIN ROUTE WITH WORKS	0.0318
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$3,979
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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