

IH 43: CTH Y TO HALE INTERCHANGE (WAUKESHA AND MILWAUKEE COUNTIES) CONTINUOUS (24 HOUR) 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	1500	157	0	0.44	0	66.1	61.7	44.8	
1-2 AM	127	0.0	1500	127	0	0.43	0	66.1	61.7	45.0	
2-3 AM	160	0.0	1500	160	0	0.44	0	66.1	61.7	44.8	
3-4 AM	314	0.0	1500	314	0	0.45	0	65.8	61.2	44.2	
4-5 AM	700	0.0	1500	700	0	0.49	0	65.1	60.3	42.8	
5-6 AM	1452	0.0	1499	1452	0	1.34	13	63.7	52.5	33.2	
6-7 AM	1974	0.0	1500	1874	100	9.98+	268	62.7	24.5	30.8	
7-8 AM	1717	0.0	1500	1468	249	15.68+	396	63.2	18.3	30.8	
8-9 AM	1273	0.0	1499	1273	0	11.85+	300	64.0	22.2	31.0	
9-10 AM	1201	0.0	1499	1201	0	2.13	48	64.1	47.9	36.3	
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	1500	1500	1296	15.23+	400	57.9	18.1	30.8	
4-5 PM	2623	0.0	1500	1500	1123	15.43+	400	59.6	18.1	30.8	
5-6 PM	1995	0.0	1500	1500	495	15.76+	400	62.7	18.1	30.8	
6-7 PM	1319	0.0	1499	1319	0	13.64+	345	63.9	20.2	30.8	
7-8 PM	1054	0.0	1499	1054	0	2.32	64	64.4	46.9	38.7	
8-9 PM	894	0.0	1500	894	0	0.51	0	64.7	59.8	42.0	
9-10 PM	709	0.0	1500	709	0	0.49	0	65.1	60.3	42.7	
10-11 PM	468	0.0	1500	468	0	0.47	0	65.5	60.9	43.7	
11PM-MID	273	0.0	1500	273	0	0.45	0	65.9	61.4	44.4	

+ 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

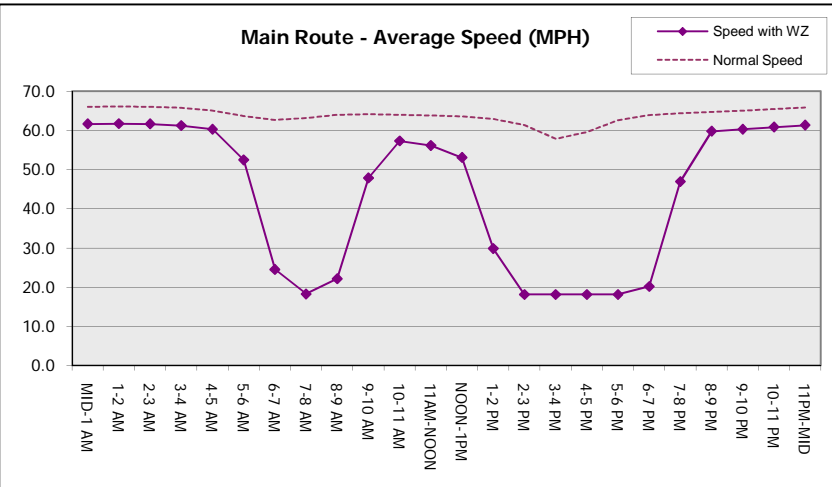
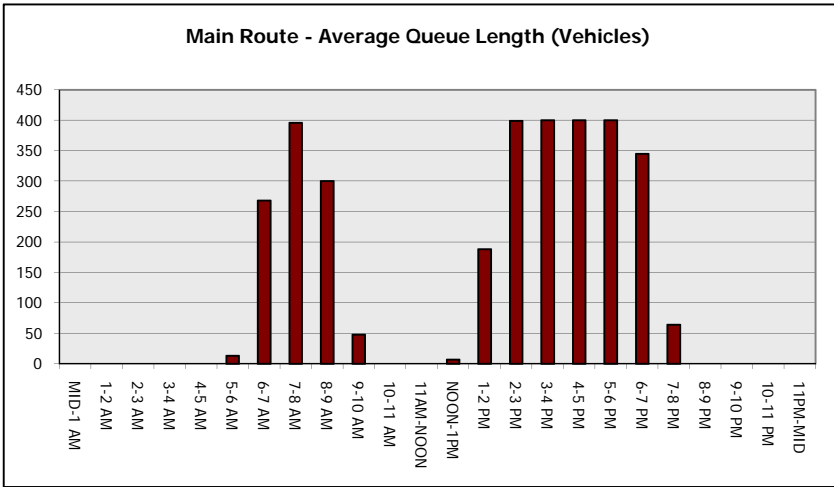
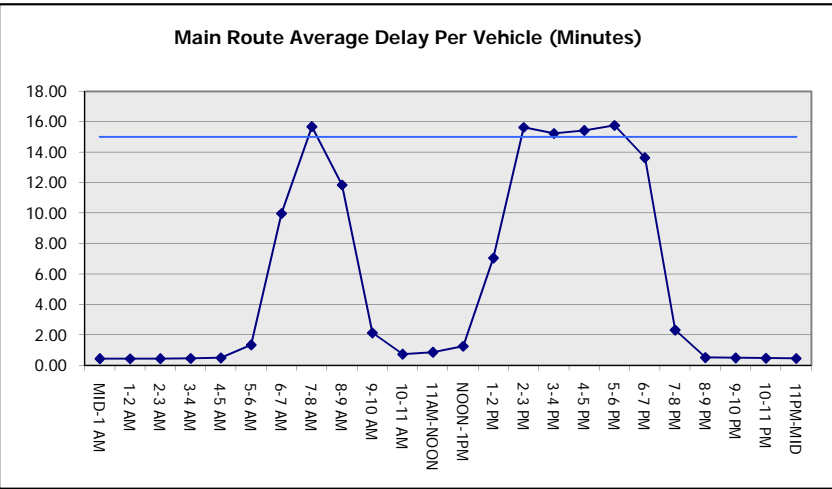
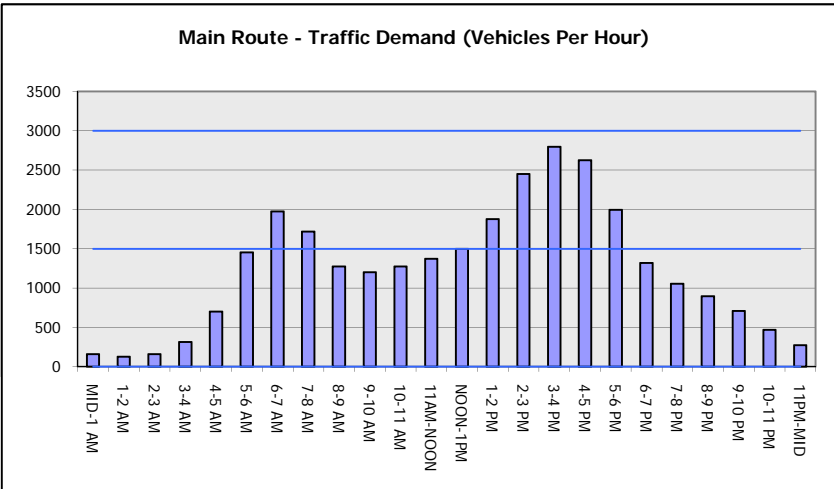
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0316
MAIN ROUTE WITH WORKS	0.0255
'DIVERSION'	0.0104
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$54,919
CONGESTED HOURS PER DAY*	8

*Delays Exceeding User-Specified Maximum

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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	1500	143	0	0.44	0	66.1	61.7	44.9
1-2 AM	125	0.0	1500	125	0	0.43	0	66.1	61.7	45.0
2-3 AM	187	0.0	1500	187	0	0.44	0	66.0	61.6	44.7
3-4 AM	467	0.0	1500	467	0	0.47	0	65.5	60.9	43.7
4-5 AM	1391	0.0	1499	1391	0	1.35	18	63.8	52.5	35.8
5-6 AM	2553	0.0	1500	1896	657	12.97+	344	60.4	20.5	32.1
6-7 AM	2746	0.0	1499	1500	1246	15.29+	399	58.4	18.1	30.8
7-8 AM	2182	0.0	1500	1457	725	15.57+	395	62.3	18.3	30.8
8-9 AM	1644	0.0	1499	1459	185	15.65+	395	63.3	18.3	30.8
9-10 AM	1409	0.0	1499	1409	0	14.01+	351	63.8	19.7	30.8
10-11 AM	1359	0.0	1499	1359	0	9.37	228	63.8	25.6	30.8
11AM-NOON	1361	0.0	1499	1361	0	3.92	83	63.8	39.3	31.4
NOON-1PM	1454	0.0	1500	1454	0	1.05	2	63.7	54.6	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	1499	1500	603	15.74+	399	62.5	18.1	30.8
4-5 PM	2123	0.0	1500	1500	623	15.74+	400	62.4	18.1	30.8
5-6 PM	1616	0.0	1500	1503	112	15.28+	385	63.4	18.6	30.8
6-7 PM	1137	0.0	1499	1137	0	7.62	211	64.3	28.9	34.1
7-8 PM	910	0.0	1500	910	0	0.51	0	64.7	59.7	42.0
8-9 PM	776	0.0	1500	776	0	0.50	0	65.0	60.1	42.5
9-10 PM	591	0.0	1500	591	0	0.48	0	65.3	60.5	43.2
10-11 PM	393	0.0	1500	393	0	0.46	0	65.6	61.0	43.9
11PM-MID	236	0.0	1500	236	0	0.45	0	66.0	61.5	44.5

+ 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	0.0323
MAIN ROUTE WITH WORKS	0.0261
'DIVERSION'	0.0102

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$62,536
CONGESTED HOURS PER DAY*	8

*Delays Exceeding User-Specified Maximum

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