

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

SATURDAY 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	269	0.0	1500	269	0	0.45	0	65.9	61.4	44.4
1-2 AM	219	0.0	1500	219	0	0.44	0	66.0	61.5	44.6
2-3 AM	178	0.0	1500	178	0	0.44	0	66.1	61.6	44.8
3-4 AM	202	0.0	1500	202	0	0.44	0	66.0	61.5	44.6
4-5 AM	318	0.0	1500	318	0	0.45	0	65.8	61.2	44.2
5-6 AM	548	0.0	1500	548	0	0.48	0	65.4	60.7	43.3
6-7 AM	834	0.0	1500	834	0	0.50	0	64.8	60.0	42.3
7-8 AM	1086	0.0	1500	1086	0	0.53	0	64.3	59.4	41.4
8-9 AM	1184	0.0	1500	1184	0	0.62	0	64.1	58.4	38.9
9-10 AM	1316	0.0	1499	1316	0	0.79	0	64.0	56.8	35.1
10-11 AM	1483	0.0	1499	1483	0	1.10	3	63.7	54.2	31.4
11AM-NOON	1671	0.0	1500	1671	0	4.21	93	63.3	38.1	30.8
NOON-1PM	1668	0.0	1499	1668	0	10.84	270	63.3	23.3	30.8
1-2 PM	1619	0.0	1499	1560	59	15.50+	391	63.3	18.4	30.8
2-3 PM	1640	0.0	1499	1500	140	15.83+	399	63.3	18.1	30.8
3-4 PM	1626	0.0	1500	1499	127	15.82+	399	63.3	18.1	30.8
4-5 PM	1464	0.0	1499	1440	24	15.22+	383	63.7	18.6	30.8
5-6 PM	1274	0.0	1499	1274	0	9.90	248	64.0	24.8	31.2
6-7 PM	1115	0.0	1500	1115	0	1.27	23	64.3	53.5	39.4
7-8 PM	909	0.0	1500	909	0	0.51	0	64.7	59.8	42.0
8-9 PM	934	0.0	1500	934	0	0.51	0	64.6	59.7	41.9
9-10 PM	948	0.0	1500	948	0	0.51	0	64.6	59.7	41.9
10-11 PM	667	0.0	1500	667	0	0.49	0	65.1	60.4	42.8
11PM-MID	425	0.0	1500	425	0	0.46	0	65.6	61.0	43.8

+ 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

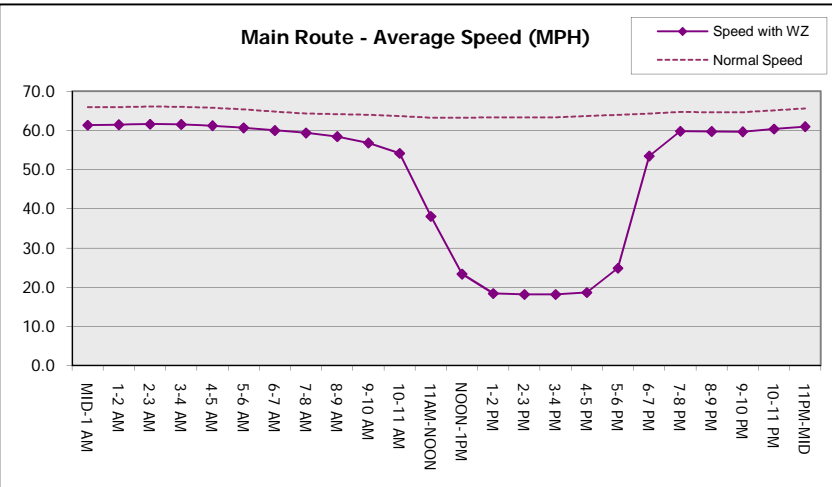
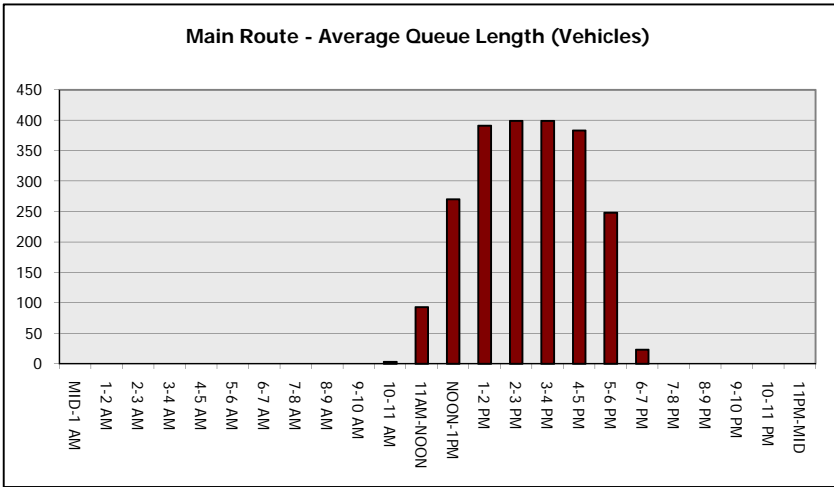
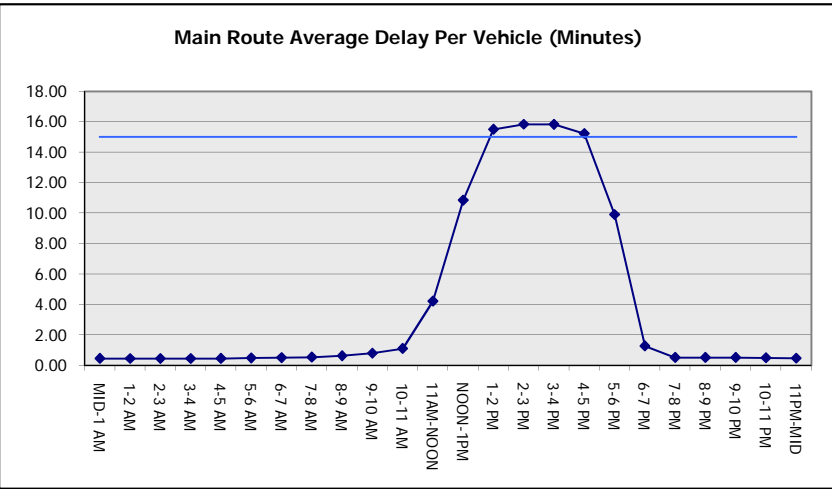
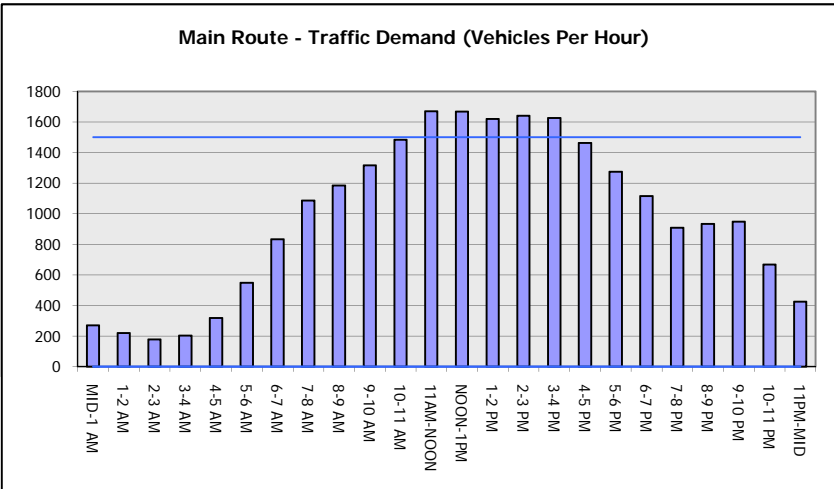
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0252
MAIN ROUTE WITH WORKS	0.0232
'DIVERSION'	0.0009
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$40,313
CONGESTED HOURS PER DAY*	4

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SATURDAY SOUTHBOUND DIRECTION



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SUMMARY OF TRAFFIC MODEL OUTPUT

SATURDAY 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	205	0.0	1500	205	0	0.44	0	66.0	61.5	44.6	
1-2 AM	162	0.0	1500	162	0	0.44	0	66.1	61.7	44.8	
2-3 AM	164	0.0	1500	164	0	0.44	0	66.1	61.6	44.8	
3-4 AM	241	0.0	1500	241	0	0.45	0	66.0	61.4	44.5	
4-5 AM	431	0.0	1500	431	0	0.46	0	65.6	61.0	43.8	
5-6 AM	703	0.0	1500	703	0	0.49	0	65.1	60.3	42.7	
6-7 AM	907	0.0	1500	907	0	0.51	0	64.7	59.8	42.0	
7-8 AM	1142	0.0	1500	1142	0	0.56	0	64.3	59.0	40.4	
8-9 AM	1341	0.0	1500	1341	0	0.82	0	63.9	56.5	34.4	
9-10 AM	1450	0.0	1499	1450	0	0.96	0	63.7	55.3	31.9	
10-11 AM	1488	0.0	1499	1488	0	1.02	0	63.6	54.8	31.1	
11AM-NOON	1570	0.0	1500	1570	0	2.26	34	63.5	46.8	30.8	
NOON-1PM	1527	0.0	1499	1527	0	4.18	85	63.5	38.3	30.8	
1-2 PM	1533	0.0	1499	1533	0	5.11	110	63.5	35.1	30.8	
2-3 PM	1631	0.0	1500	1631	0	7.96	190	63.3	28.1	30.8	
3-4 PM	1702	0.0	1500	1628	75	13.92+	352	63.2	19.8	30.8	
4-5 PM	1657	0.0	1499	1500	157	15.82+	399	63.3	18.1	30.8	
5-6 PM	1420	0.0	1500	1420	0	14.50+	364	63.7	19.3	30.8	
6-7 PM	1172	0.0	1499	1172	0	5.76	159	64.2	33.4	34.1	
7-8 PM	962	0.0	1500	962	0	0.52	0	64.6	59.7	41.8	
8-9 PM	978	0.0	1500	978	0	0.52	0	64.6	59.6	41.7	
9-10 PM	704	0.0	1500	704	0	0.49	0	65.1	60.3	42.7	
10-11 PM	555	0.0	1500	555	0	0.48	0	65.3	60.7	43.3	
11PM-MID	336	0.0	1500	336	0	0.46	0	65.8	61.2	44.2	

+ 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	0.0256
MAIN ROUTE WITH WORKS	0.0237
'DIVERSION'	0.0006

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$32,110
CONGESTED HOURS PER DAY*	3

*Delays Exceeding User-Specified Maximum

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