

<b>IH 43: CTH Y TO HALE INTERCHANGE (WAUKESHA AND MILWAUKEE COUNTIES)</b> <b>OFF-PEAK DAY CLOSURE</b> <b>NO DIVERSION ROUTE (MAX QUEUE METHOD)</b>	<b>MAY</b> Analyzed for 2009 Construction Season
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**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	OFF	269	0	0.00	0	65.9	65.9	65.9	
1-2 AM	219	0.0	OFF	219	0	0.00	0	66.0	66.0	66.0	
2-3 AM	178	0.0	OFF	178	0	0.00	0	66.1	66.1	66.1	
3-4 AM	202	0.0	OFF	202	0	0.00	0	66.0	66.0	66.0	
4-5 AM	318	0.0	OFF	318	0	0.00	0	65.8	65.8	65.8	
5-6 AM	548	0.0	OFF	548	0	0.00	0	65.4	65.4	65.4	
6-7 AM	834	0.0	OFF	834	0	0.00	0	64.8	64.8	64.8	
7-8 AM	1086	0.0	OFF	1086	0	0.00	0	64.3	64.3	64.3	
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	OFF	1115	0	0.06	2	64.3	63.7	63.7	
7-8 PM	909	0.0	OFF	909	0	0.00	0	64.7	64.7	64.7	
8-9 PM	934	0.0	OFF	934	0	0.00	0	64.6	64.6	64.6	
9-10 PM	948	0.0	OFF	948	0	0.00	0	64.6	64.6	64.6	
10-11 PM	667	0.0	OFF	667	0	0.00	0	65.1	65.1	65.1	
11PM-MID	425	0.0	OFF	425	0	0.00	0	65.6	65.6	65.6	

"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

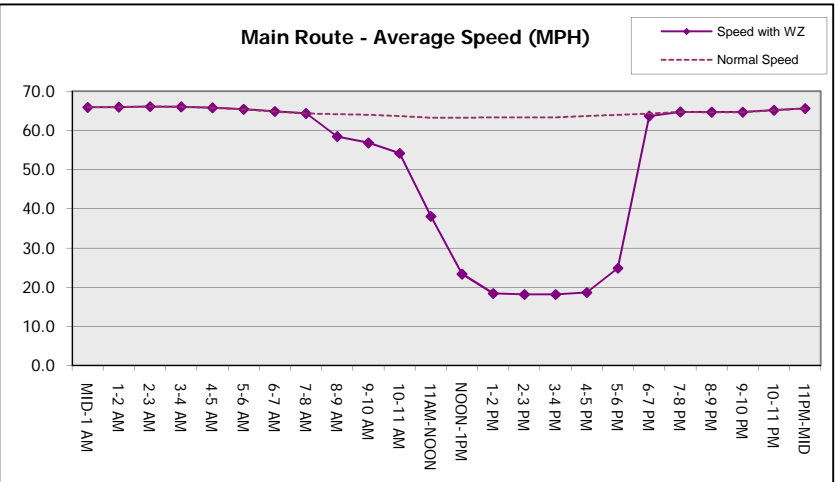
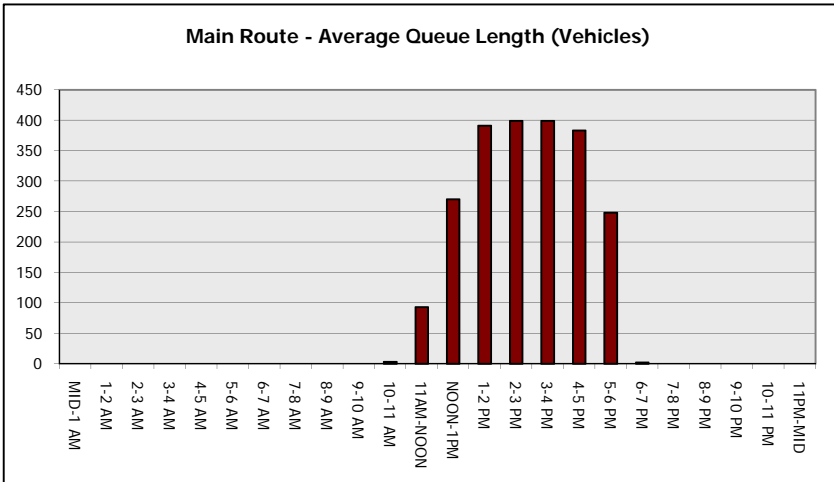
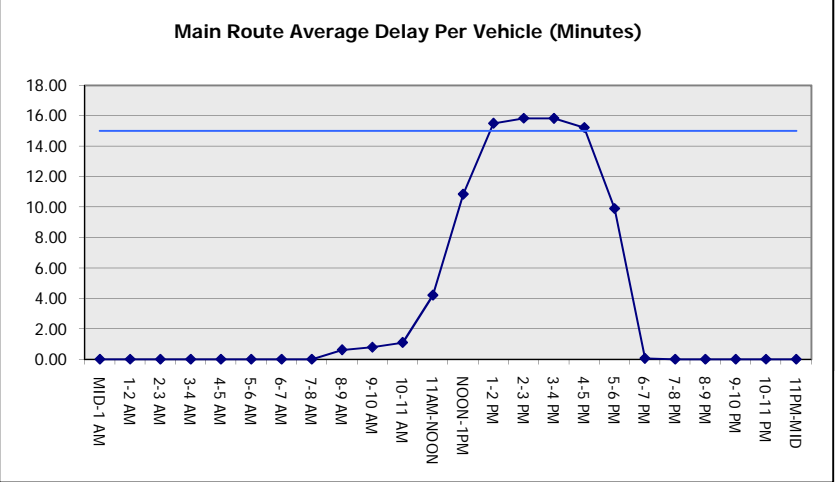
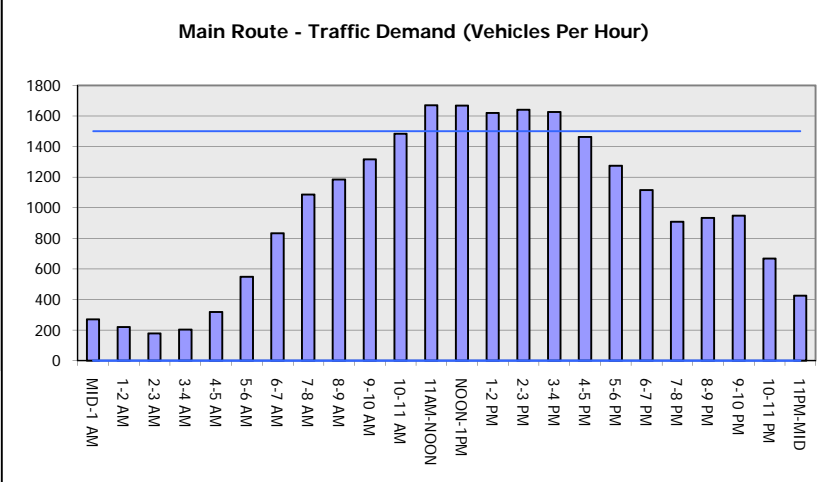
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0252
MAIN ROUTE WITH WORKS	0.0238
'DIVERSION'	0.0009
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$38,150
CONGESTED HOURS PER DAY*	4

\*Delays Exceeding User-Specified Maximum

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OFF-PEAK DAY CLOSURE  
NO DIVERSION ROUTE (MAX QUEUE METHOD)**

**MAY**  
Analyzed for 2009  
Construction Season

**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**SATURDAY SOUTHBOUND DIRECTION**



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	Analyzed for 2009 Construction Season

**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	OFF	205	0	0.00	0	66.0	66.0	66.0
1-2 AM	162	0.0	OFF	162	0	0.00	0	66.1	66.1	66.1
2-3 AM	164	0.0	OFF	164	0	0.00	0	66.1	66.1	66.1
3-4 AM	241	0.0	OFF	241	0	0.00	0	66.0	66.0	66.0
4-5 AM	431	0.0	OFF	431	0	0.00	0	65.6	65.6	65.6
5-6 AM	703	0.0	OFF	703	0	0.00	0	65.1	65.1	65.1
6-7 AM	907	0.0	OFF	907	0	0.00	0	64.7	64.7	64.7
7-8 AM	1142	0.0	OFF	1142	0	0.00	0	64.3	64.3	64.3
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	OFF	1172	0	0.31	16	64.2	61.2	61.2
7-8 PM	962	0.0	OFF	962	0	0.00	0	64.6	64.6	64.6
8-9 PM	978	0.0	OFF	978	0	0.00	0	64.6	64.6	64.6
9-10 PM	704	0.0	OFF	704	0	0.00	0	65.1	65.1	65.1
10-11 PM	555	0.0	OFF	555	0	0.00	0	65.3	65.3	65.3
11PM-MID	336	0.0	OFF	336	0	0.00	0	65.8	65.8	65.8

"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	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	0.0256
MAIN ROUTE WITH WORKS	0.0243
'DIVERSION'	0.0006

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$28,727
CONGESTED HOURS PER DAY*	3

\*Delays Exceeding User-Specified Maximum

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**SATURDAY NORTHBOUND DIRECTION**

