

<b>IH 43: CTH Y TO HALE INTERCHANGE (WAUKESHA AND MILWAUKEE COUNTIES)</b> <b>NIGHTTIME CLOSURE</b> <b>NO DIVERSION ROUTE (MAX QUEUE METHOD)</b>	<b>MAY</b>
	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	127	0.0	1500	127	0	0.43	0	66.1	61.7	45.0	
1-2 AM	160	0.0	1500	160	0	0.44	0	66.1	61.7	44.8	
2-3 AM	314	0.0	1500	314	0	0.45	0	65.8	61.2	44.2	
3-4 AM	700	0.0	1500	700	0	0.49	0	65.1	60.3	42.8	
4-5 AM	1452	0.0	OFF	1452	0	0.00	0	63.7	63.7	63.7	
5-6 AM	1974	0.0	OFF	1974	0	0.00	0	62.7	62.7	62.7	
6-7 AM	1717	0.0	OFF	1717	0	0.00	0	63.2	63.2	63.2	
7-8 AM	1273	0.0	OFF	1273	0	0.00	0	64.0	64.0	64.0	
8-9 AM	1201	0.0	OFF	1201	0	0.00	0	64.1	64.1	64.1	
9-10 AM	1273	0.0	OFF	1273	0	0.00	0	64.0	64.0	64.0	
10-11 AM	1373	0.0	OFF	1373	0	0.00	0	63.8	63.8	63.8	
11AM-NOON	1499	0.0	OFF	1499	0	0.00	0	63.6	63.6	63.6	
NOON-1PM	1875	0.0	OFF	1875	0	0.00	0	62.9	62.9	62.9	
1-2 PM	2450	0.0	OFF	2450	0	0.00	0	61.4	61.4	61.4	
2-3 PM	2796	0.0	OFF	2796	0	0.00	0	57.9	57.9	57.9	
3-4 PM	2623	0.0	OFF	2623	0	0.00	0	59.6	59.6	59.6	
4-5 PM	1995	0.0	OFF	1995	0	0.00	0	62.7	62.7	62.7	
5-6 PM	1319	0.0	OFF	1319	0	0.00	0	63.9	63.9	63.9	
6-7 PM	1054	0.0	1500	1054	0	0.52	0	64.4	59.4	41.5	
7-8 PM	894	0.0	1500	894	0	0.51	0	64.7	59.8	42.0	
8-9 PM	709	0.0	1500	709	0	0.49	0	65.1	60.3	42.7	
9-10 PM	468	0.0	1500	468	0	0.47	0	65.5	60.9	43.7	
10-11 PM	273	0.0	1500	273	0	0.45	0	65.9	61.4	44.4	
11PM-MID	157	0.0	1500	157	0	0.44	0	66.1	61.7	44.8	

"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

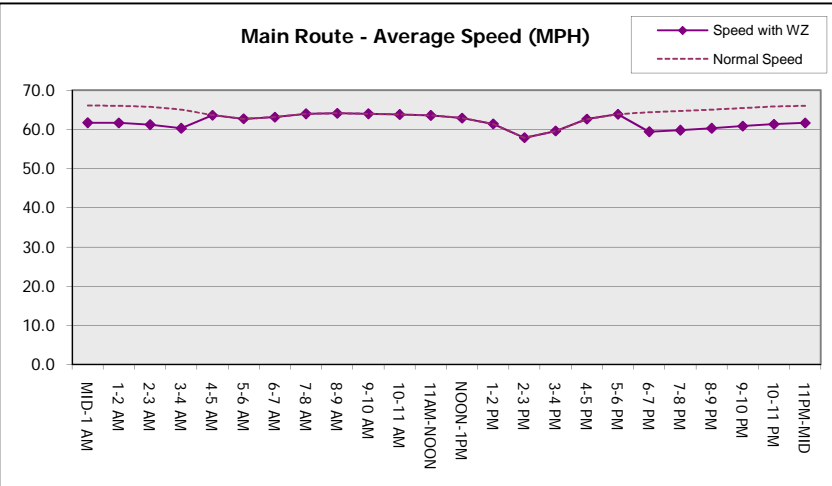
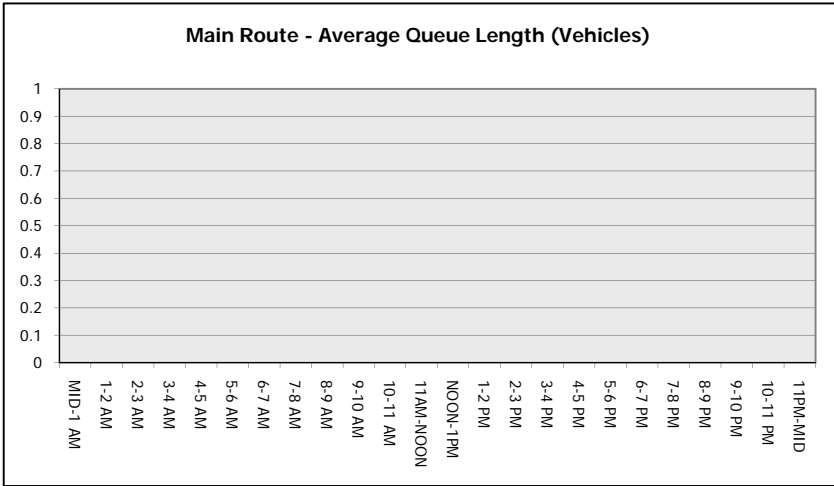
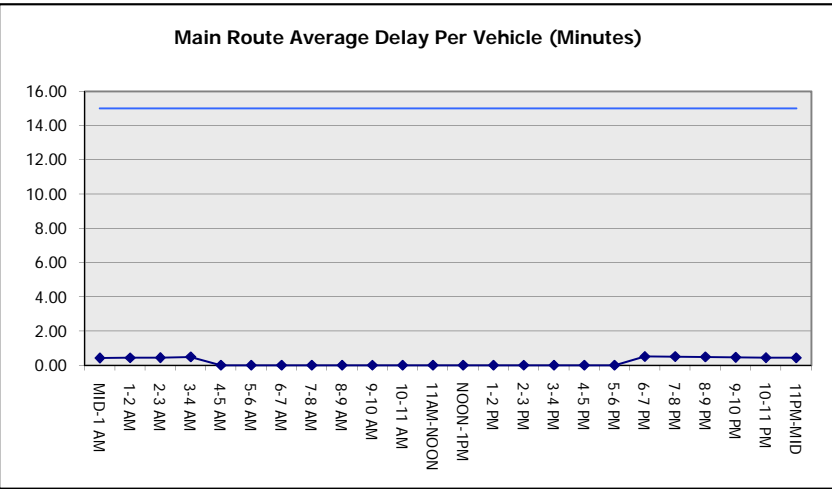
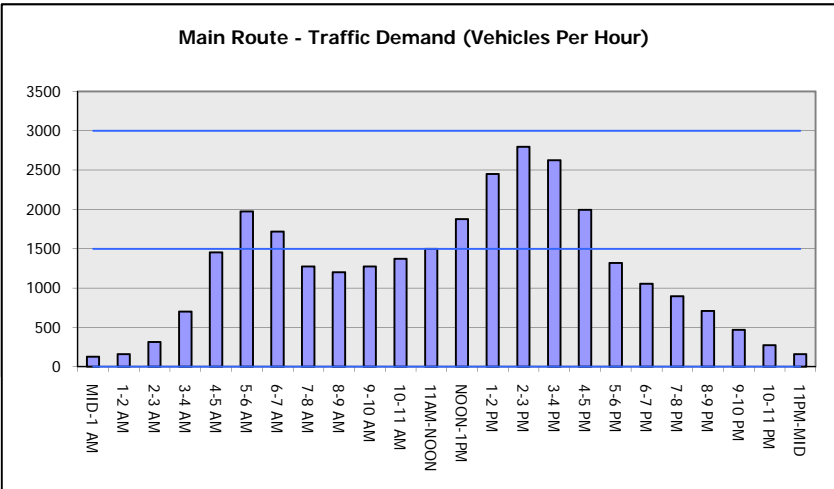
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0316
MAIN ROUTE WITH WORKS	0.0313
'DIVERSION'	0.0000
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$414
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding User-Specified Maximum

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**NIGHTTIME CLOSURE**  
**NO DIVERSION ROUTE (MAX QUEUE METHOD)**

**MAY**  
 Analyzed for 2009  
 Construction Season

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



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

**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	125	0.0	1500	125	0	0.43	0	66.1	61.7	45.0
1-2 AM	187	0.0	1500	187	0	0.44	0	66.0	61.6	44.7
2-3 AM	467	0.0	1500	467	0	0.47	0	65.5	60.9	43.7
3-4 AM	1391	0.0	1499	1391	0	1.35	18	63.8	52.5	35.8
4-5 AM	2553	0.0	OFF	2553	0	0.12	1	60.4	59.3	59.3
5-6 AM	2746	0.0	OFF	2746	0	0.00	0	58.4	58.4	58.4
6-7 AM	2182	0.0	OFF	2182	0	0.00	0	62.3	62.3	62.3
7-8 AM	1644	0.0	OFF	1644	0	0.00	0	63.3	63.3	63.3
8-9 AM	1409	0.0	OFF	1409	0	0.00	0	63.8	63.8	63.8
9-10 AM	1359	0.0	OFF	1359	0	0.00	0	63.8	63.8	63.8
10-11 AM	1361	0.0	OFF	1361	0	0.00	0	63.8	63.8	63.8
11AM-NOON	1454	0.0	OFF	1454	0	0.00	0	63.7	63.7	63.7
NOON-1PM	1562	0.0	OFF	1562	0	0.00	0	63.5	63.5	63.5
1-2 PM	1805	0.0	OFF	1805	0	0.00	0	63.0	63.0	63.0
2-3 PM	2103	0.0	OFF	2103	0	0.00	0	62.5	62.5	62.5
3-4 PM	2123	0.0	OFF	2123	0	0.00	0	62.4	62.4	62.4
4-5 PM	1616	0.0	OFF	1616	0	0.00	0	63.4	63.4	63.4
5-6 PM	1137	0.0	OFF	1137	0	0.00	0	64.3	64.3	64.3
6-7 PM	910	0.0	1500	910	0	0.51	0	64.7	59.8	42.0
7-8 PM	776	0.0	1500	776	0	0.50	0	65.0	60.1	42.5
8-9 PM	591	0.0	1500	591	0	0.48	0	65.3	60.5	43.2
9-10 PM	393	0.0	1500	393	0	0.46	0	65.6	61.0	43.9
10-11 PM	236	0.0	1500	236	0	0.45	0	66.0	61.5	44.5
11PM-MID	143	0.0	1500	143	0	0.44	0	66.1	61.7	44.9

"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	0.0319
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$702
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding User-Specified Maximum

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**MAY**  
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 Construction Season

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

