

<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>OCTOBER</b>
	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	267	0.0	1500	267	0	0.45	0	65.9	61.4	44.4
1-2 AM	205	0.0	1500	205	0	0.44	0	66.0	61.5	44.6
2-3 AM	163	0.0	1500	163	0	0.44	0	66.1	61.7	44.8
3-4 AM	199	0.0	1500	199	0	0.44	0	66.0	61.5	44.7
4-5 AM	372	0.0	1500	372	0	0.46	0	65.7	61.1	44.0
5-6 AM	552	0.0	1500	552	0	0.48	0	65.3	60.7	43.3
6-7 AM	809	0.0	1500	809	0	0.50	0	64.9	60.1	42.4
7-8 AM	1086	0.0	OFF	1086	0	0.00	0	64.3	64.3	64.3
8-9 AM	1302	0.0	OFF	1302	0	0.00	0	64.0	64.0	64.0
9-10 AM	1469	0.0	OFF	1469	0	0.00	0	63.7	63.7	63.7
10-11 AM	1555	0.0	OFF	1555	0	0.00	0	63.5	63.5	63.5
11AM-NOON	1693	0.0	OFF	1693	0	0.00	0	63.2	63.2	63.2
NOON-1PM	1727	0.0	OFF	1727	0	0.00	0	63.2	63.2	63.2
1-2 PM	1775	0.0	OFF	1775	0	0.00	0	63.1	63.1	63.1
2-3 PM	1852	0.0	OFF	1852	0	0.00	0	62.9	62.9	62.9
3-4 PM	1959	0.0	OFF	1959	0	0.00	0	62.7	62.7	62.7
4-5 PM	1905	0.0	OFF	1905	0	0.00	0	62.8	62.8	62.8
5-6 PM	1643	0.0	1499	1643	0	4.33	93	63.3	37.6	30.8
6-7 PM	1188	0.0	1499	1188	0	1.97	44	64.1	48.8	37.1
7-8 PM	958	0.0	1500	958	0	0.52	0	64.6	59.7	41.8
8-9 PM	919	0.0	1500	919	0	0.51	0	64.6	59.7	42.0
9-10 PM	842	0.0	1500	842	0	0.50	0	64.8	59.9	42.2
10-11 PM	651	0.0	1500	651	0	0.49	0	65.1	60.4	42.9
11PM-MID	437	0.0	1500	437	0	0.46	0	65.6	60.9	43.7

"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	0.0272
MAIN ROUTE WITH WORKS	0.0266
'DIVERSION'	0.0000
<small>PIA: Personal Injury Accidents</small>	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$3,198
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding User-Specified Maximum

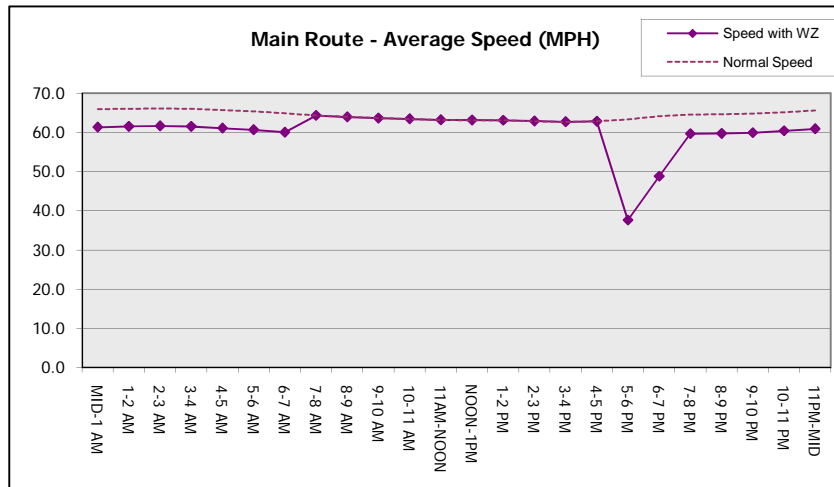
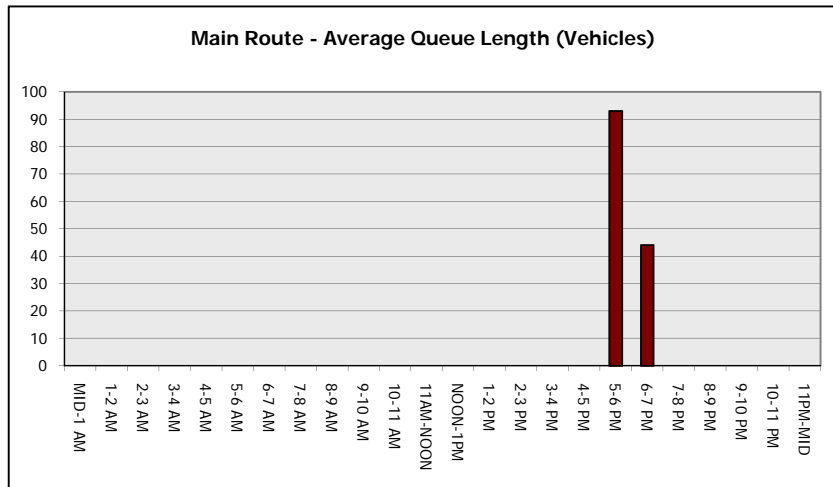
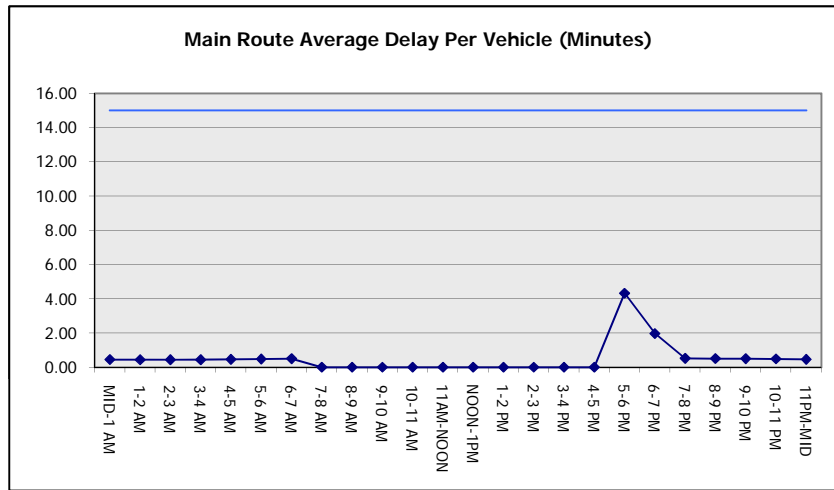
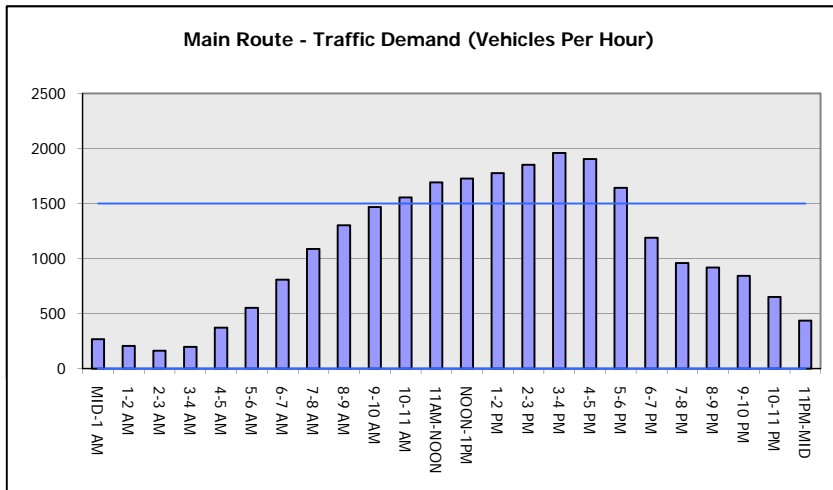
**IH 43: CTH Y TO HALE INTERCHANGE (WAUKESHA AND MILWAUKEE COUNTIES)**  
**NIGHTTIME CLOSURE**  
**NO DIVERSION ROUTE (MAX QUEUE METHOD)**

**OCTOBER**

Analyzed for 2009  
 Construction Season

**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**

**SATURDAY 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>OCTOBER</b>
	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	203	0.0	1500	203	0	0.44	0	66.0	61.5	44.6
1-2 AM	170	0.0	1500	170	0	0.44	0	66.1	61.6	44.8
2-3 AM	156	0.0	1500	156	0	0.44	0	66.1	61.7	44.8
3-4 AM	259	0.0	1500	259	0	0.45	0	65.9	61.4	44.5
4-5 AM	563	0.0	1500	563	0	0.48	0	65.3	60.6	43.3
5-6 AM	790	0.0	1500	790	0	0.50	0	64.9	60.1	42.4
6-7 AM	988	0.0	1500	988	0	0.52	0	64.5	59.6	41.7
7-8 AM	1312	0.0	OFF	1312	0	0.00	0	64.0	64.0	64.0
8-9 AM	1464	0.0	OFF	1464	0	0.00	0	63.7	63.7	63.7
9-10 AM	1609	0.0	OFF	1609	0	0.00	0	63.4	63.4	63.4
10-11 AM	1619	0.0	OFF	1619	0	0.00	0	63.3	63.3	63.3
11AM-NOON	1697	0.0	OFF	1697	0	0.00	0	63.2	63.2	63.2
NOON-1PM	1593	0.0	OFF	1593	0	0.00	0	63.4	63.4	63.4
1-2 PM	1650	0.0	OFF	1650	0	0.00	0	63.3	63.3	63.3
2-3 PM	1539	0.0	OFF	1539	0	0.00	0	63.5	63.5	63.5
3-4 PM	1762	0.0	OFF	1762	0	0.00	0	63.1	63.1	63.1
4-5 PM	1737	0.0	OFF	1737	0	0.00	0	63.2	63.2	63.2
5-6 PM	1562	0.0	1499	1562	0	2.70	46	63.5	44.5	30.8
6-7 PM	1253	0.0	1500	1253	0	1.07	10	64.0	54.7	36.5
7-8 PM	1038	0.0	1500	1038	0	0.52	0	64.5	59.5	41.5
8-9 PM	866	0.0	1500	866	0	0.51	0	64.8	59.9	42.2
9-10 PM	869	0.0	1500	869	0	0.51	0	64.8	59.9	42.2
10-11 PM	888	0.0	1500	888	0	0.51	0	64.7	59.8	42.1
11PM-MID	416	0.0	1500	416	0	0.46	0	65.6	61.0	43.8

"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	0.0277
MAIN ROUTE WITH WORKS	0.0271
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$2,329
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding User-Specified Maximum

**IH 43: CTH Y TO HALE INTERCHANGE (WAUKESHA AND MILWAUKEE COUNTIES)**  
**NIGHTTIME CLOSURE**  
**NO DIVERSION ROUTE (MAX QUEUE METHOD)**

**OCTOBER**  
 Analyzed for 2009  
 Construction Season

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

