

<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>AUGUST</b>
	Analyzed for 2009 Construction Season

**SUMMARY OF TRAFFIC MODEL OUTPUT**

FRIDAY      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	134	0.0	1500	134	0	0.44	0	66.1	61.7	45.0
1-2 AM	115	0.0	1500	115	0	0.43	0	66.2	61.8	45.0
2-3 AM	112	0.0	1500	112	0	0.43	0	66.2	61.8	45.0
3-4 AM	332	0.0	1500	332	0	0.45	0	65.8	61.2	44.2
4-5 AM	743	0.0	OFF	743	0	0.00	0	65.0	65.0	65.0
5-6 AM	1434	0.0	OFF	1434	0	0.00	0	63.7	63.7	63.7
6-7 AM	2047	0.0	OFF	2047	0	0.00	0	62.6	62.6	62.6
7-8 AM	1543	0.0	OFF	1543	0	0.00	0	63.5	63.5	63.5
8-9 AM	1296	0.0	OFF	1296	0	0.00	0	64.0	64.0	64.0
9-10 AM	1351	0.0	OFF	1351	0	0.00	0	63.8	63.8	63.8
10-11 AM	1564	0.0	OFF	1564	0	0.00	0	63.5	63.5	63.5
11AM-NOON	1610	0.0	OFF	1610	0	0.00	0	63.4	63.4	63.4
NOON-1PM	1862	0.0	OFF	1862	0	0.00	0	62.9	62.9	62.9
1-2 PM	2259	0.0	OFF	2259	0	0.00	0	62.2	62.2	62.2
2-3 PM	2495	0.0	OFF	2495	0	0.00	0	60.9	60.9	60.9
3-4 PM	2767	0.0	OFF	2767	0	0.00	0	58.2	58.2	58.2
4-5 PM	2636	0.0	OFF	2636	0	0.00	0	59.5	59.5	59.5
5-6 PM	1965	0.0	OFF	1965	0	0.00	0	62.7	62.7	62.7
6-7 PM	1413	0.0	1499	1413	0	0.95	1	63.8	55.4	32.9
7-8 PM	1183	0.0	1500	1183	0	0.62	0	64.1	58.4	39.0
8-9 PM	1218	0.0	1500	1218	0	0.66	0	64.1	58.0	37.9
9-10 PM	1099	0.0	1500	1099	0	0.53	0	64.3	59.3	41.4
10-11 PM	795	0.0	1500	795	0	0.50	0	64.9	60.1	42.4
11PM-MID	243	0.0	1500	243	0	0.45	0	66.0	61.4	44.5

**"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

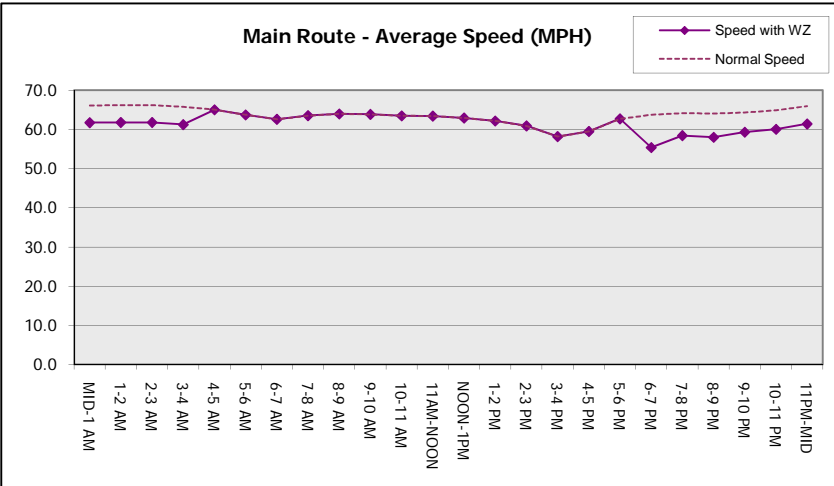
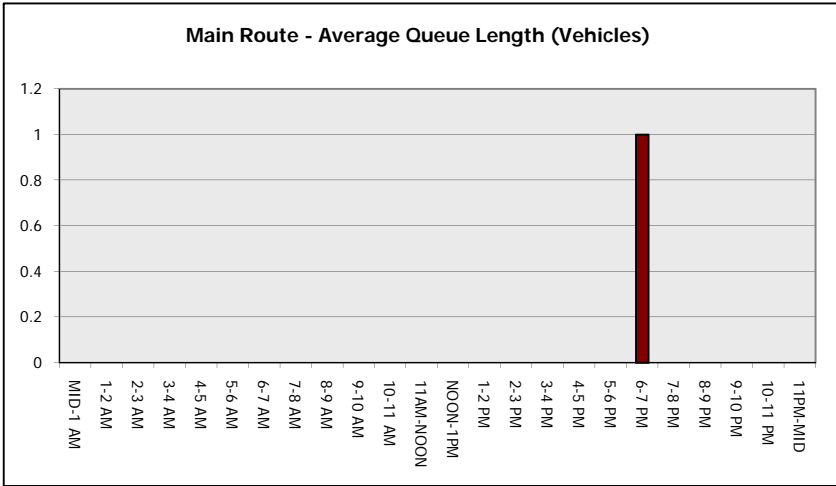
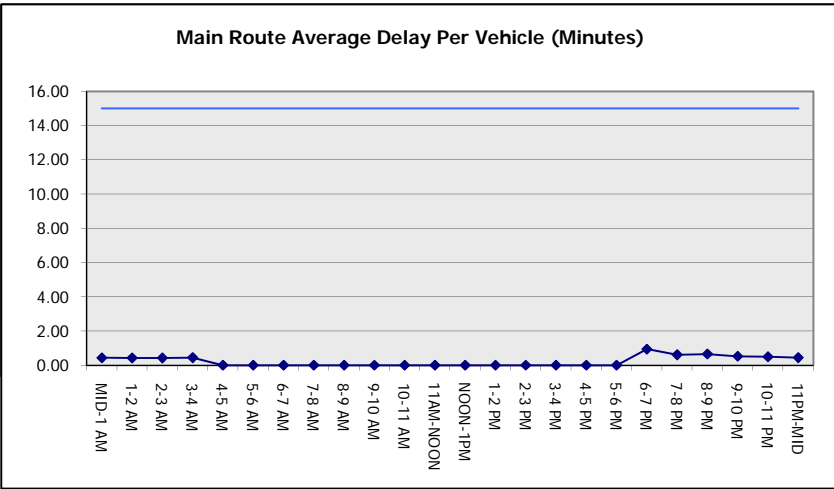
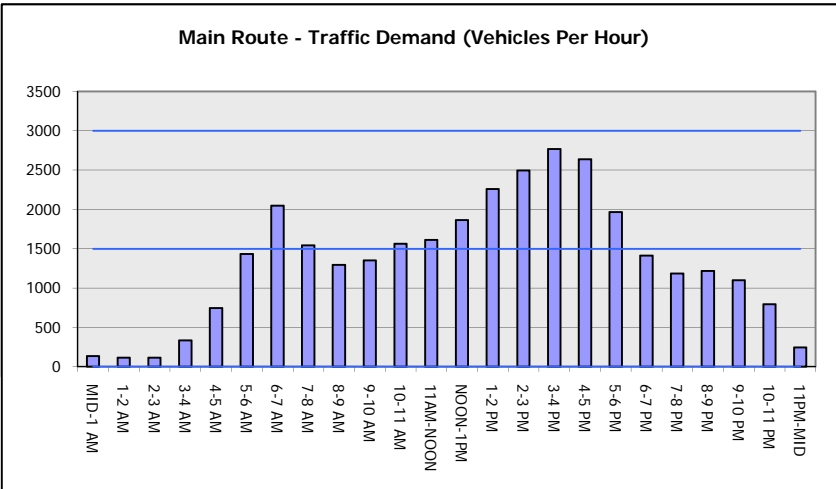
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0343
MAIN ROUTE WITH WORKS	0.0339
'DIVERSION'	0.0000
<small>PIA: Personal Injury Accidents</small>	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$910
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding User-Specified Maximum

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

**AUGUST**  
 Analyzed for 2009  
 Construction Season

**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**FRIDAY 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>AUGUST</b>
	Analyzed for 2009 Construction Season

**SUMMARY OF TRAFFIC MODEL OUTPUT**

FRIDAY 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	116	0.0	1500	116	0	0.43	0	66.2	61.7	45.0
1-2 AM	115	0.0	1500	115	0	0.43	0	66.2	61.8	45.0
2-3 AM	152	0.0	1500	152	0	0.44	0	66.1	61.7	44.9
3-4 AM	478	0.0	1500	478	0	0.47	0	65.5	60.9	43.6
4-5 AM	1422	0.0	OFF	1422	0	0.00	0	63.7	63.7	63.7
5-6 AM	2615	0.0	OFF	2615	0	0.00	0	59.7	59.7	59.7
6-7 AM	2752	0.0	OFF	2752	0	0.00	0	58.3	58.3	58.3
7-8 AM	2172	0.0	OFF	2172	0	0.00	0	62.3	62.3	62.3
8-9 AM	1740	0.0	OFF	1740	0	0.00	0	63.2	63.2	63.2
9-10 AM	1687	0.0	OFF	1687	0	0.00	0	63.2	63.2	63.2
10-11 AM	1723	0.0	OFF	1723	0	0.00	0	63.2	63.2	63.2
11AM-NOON	1652	0.0	OFF	1652	0	0.00	0	63.3	63.3	63.3
NOON-1PM	1721	0.0	OFF	1721	0	0.00	0	63.2	63.2	63.2
1-2 PM	1895	0.0	OFF	1895	0	0.00	0	62.8	62.8	62.8
2-3 PM	2149	0.0	OFF	2149	0	0.00	0	62.4	62.4	62.4
3-4 PM	2258	0.0	OFF	2258	0	0.00	0	62.2	62.2	62.2
4-5 PM	2353	0.0	OFF	2353	0	0.00	0	62.0	62.0	62.0
5-6 PM	1934	0.0	OFF	1934	0	0.00	0	62.8	62.8	62.8
6-7 PM	1313	0.0	1500	1313	0	0.78	0	64.0	56.8	35.1
7-8 PM	1065	0.0	1500	1065	0	0.53	0	64.4	59.4	41.4
8-9 PM	926	0.0	1500	926	0	0.51	0	64.6	59.7	41.9
9-10 PM	761	0.0	1500	761	0	0.50	0	65.0	60.1	42.5
10-11 PM	637	0.0	1500	637	0	0.48	0	65.2	60.4	43.0
11PM-MID	173	0.0	1500	173	0	0.44	0	66.1	61.6	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	0.0360
MAIN ROUTE WITH WORKS	0.0357
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$684
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding User-Specified Maximum

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**AUGUST**  
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**FRIDAY NORTHBOUND DIRECTION**

