

IH 43: CTH Y TO HALE INTERCHANGE (WAUKESHA AND MILWAUKEE COUNTIES) NIGHTTIME CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	MAY
	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	170	0.0	1500	170	0	0.44	0	66.1	61.6	44.8
1-2 AM	171	0.0	1500	171	0	0.44	0	66.1	61.6	44.8
2-3 AM	306	0.0	1500	306	0	0.45	0	65.8	61.3	44.3
3-4 AM	646	0.0	1500	646	0	0.49	0	65.2	60.4	43.0
4-5 AM	1396	0.0	OFF	1396	0	0.00	0	63.8	63.8	63.8
5-6 AM	1972	0.0	OFF	1972	0	0.00	0	62.7	62.7	62.7
6-7 AM	1781	0.0	OFF	1781	0	0.00	0	63.1	63.1	63.1
7-8 AM	1385	0.0	OFF	1385	0	0.00	0	63.8	63.8	63.8
8-9 AM	1302	0.0	OFF	1302	0	0.00	0	64.0	64.0	64.0
9-10 AM	1442	0.0	OFF	1442	0	0.00	0	63.7	63.7	63.7
10-11 AM	1580	0.0	OFF	1580	0	0.00	0	63.5	63.5	63.5
11AM-NOON	1758	0.0	OFF	1758	0	0.00	0	63.1	63.1	63.1
NOON-1PM	2067	0.0	OFF	2067	0	0.00	0	62.5	62.5	62.5
1-2 PM	2567	0.0	OFF	2567	0	0.00	0	60.2	60.2	60.2
2-3 PM	2912	0.0	OFF	2912	0	0.00	0	56.7	56.7	56.7
3-4 PM	2730	0.0	OFF	2730	0	0.00	0	58.6	58.6	58.6
4-5 PM	2112	0.0	OFF	2112	0	0.00	0	62.5	62.5	62.5
5-6 PM	1449	0.0	OFF	1449	0	0.00	0	63.7	63.7	63.7
6-7 PM	1083	0.0	1500	1083	0	0.53	0	64.4	59.4	41.4
7-8 PM	1047	0.0	1500	1047	0	0.52	0	64.5	59.4	41.5
8-9 PM	974	0.0	1500	974	0	0.52	0	64.6	59.6	41.8
9-10 PM	725	0.0	1500	725	0	0.49	0	65.0	60.2	42.7
10-11 PM	446	0.0	1500	446	0	0.47	0	65.6	60.9	43.7
11PM-MID	197	0.0	1500	197	0	0.44	0	66.0	61.5	44.7

"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

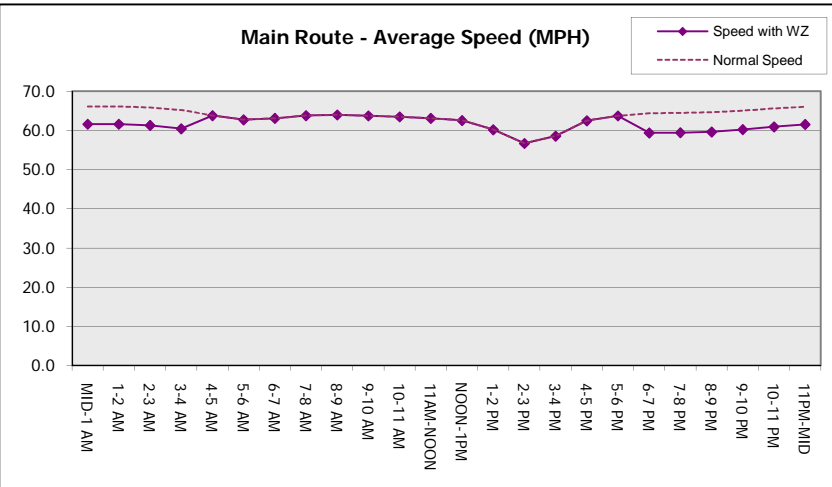
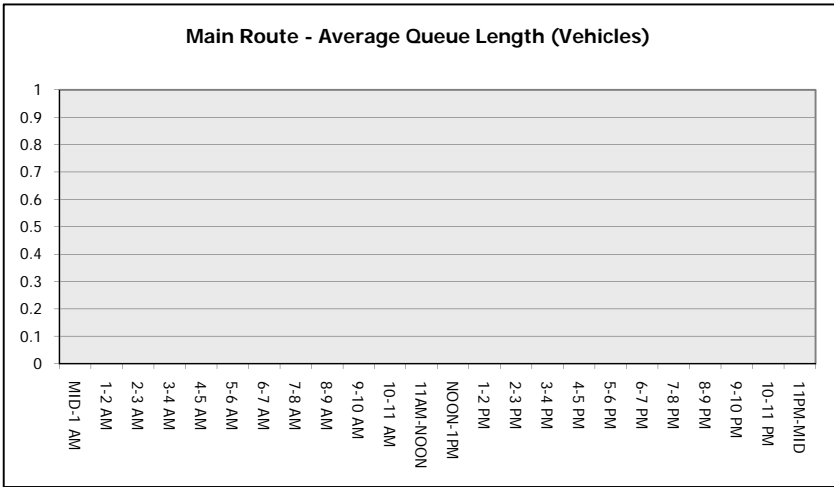
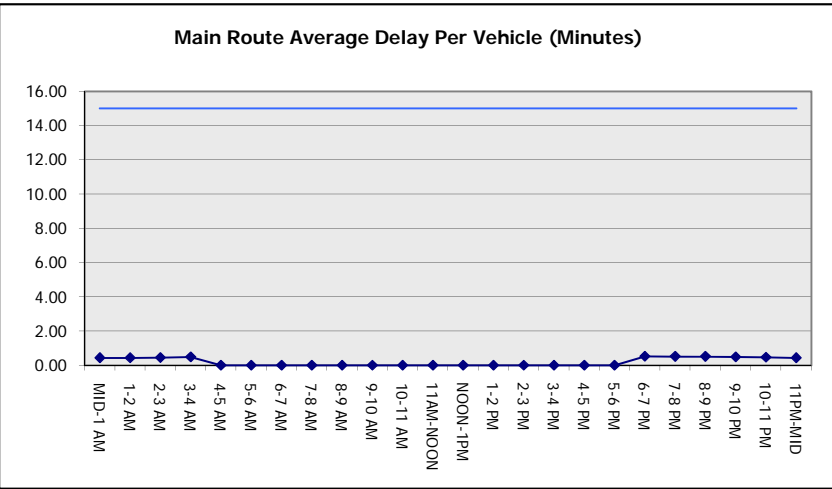
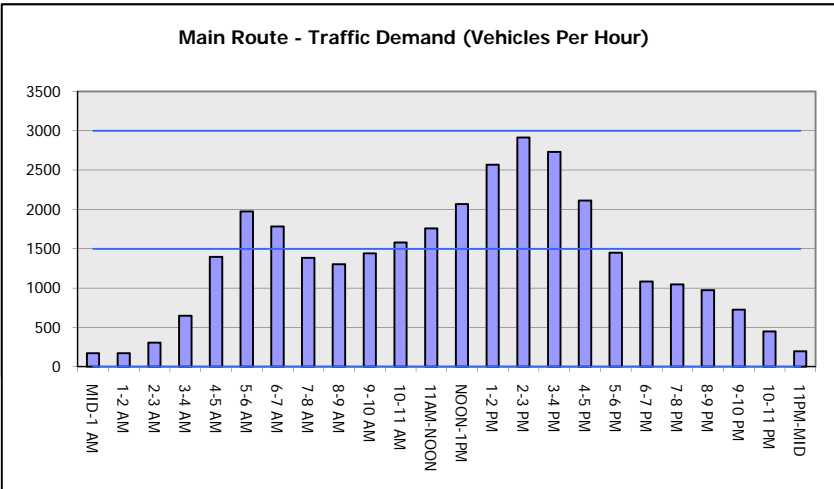
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0343
MAIN ROUTE WITH WORKS	0.0340
'DIVERSION'	0.0000
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$584
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY SOUTHBOUND DIRECTION



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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	158	0.0	1500	158	0	0.44	0	66.1	61.7	44.8	
1-2 AM	207	0.0	1500	207	0	0.44	0	66.0	61.5	44.6	
2-3 AM	411	0.0	1500	411	0	0.46	0	65.6	61.0	43.8	
3-4 AM	1258	0.0	1499	1258	0	0.79	1	64.0	56.8	36.2	
4-5 AM	2416	0.0	OFF	2416	0	0.00	0	61.7	61.7	61.7	
5-6 AM	2707	0.0	OFF	2707	0	0.00	0	58.7	58.7	58.7	
6-7 AM	2260	0.0	OFF	2260	0	0.00	0	62.2	62.2	62.2	
7-8 AM	1723	0.0	OFF	1723	0	0.00	0	63.2	63.2	63.2	
8-9 AM	1582	0.0	OFF	1582	0	0.00	0	63.5	63.5	63.5	
9-10 AM	1504	0.0	OFF	1504	0	0.00	0	63.6	63.6	63.6	
10-11 AM	1533	0.0	OFF	1533	0	0.00	0	63.5	63.5	63.5	
11AM-NOON	1673	0.0	OFF	1673	0	0.00	0	63.3	63.3	63.3	
NOON-1PM	1710	0.0	OFF	1710	0	0.00	0	63.2	63.2	63.2	
1-2 PM	1979	0.0	OFF	1979	0	0.00	0	62.7	62.7	62.7	
2-3 PM	2248	0.0	OFF	2248	0	0.00	0	62.2	62.2	62.2	
3-4 PM	2316	0.0	OFF	2316	0	0.00	0	62.1	62.1	62.1	
4-5 PM	1944	0.0	OFF	1944	0	0.00	0	62.8	62.8	62.8	
5-6 PM	1412	0.0	OFF	1412	0	0.00	0	63.8	63.8	63.8	
6-7 PM	1019	0.0	1500	1019	0	0.52	0	64.5	59.5	41.6	
7-8 PM	945	0.0	1500	945	0	0.51	0	64.6	59.7	41.9	
8-9 PM	787	0.0	1500	787	0	0.50	0	64.9	60.1	42.4	
9-10 PM	626	0.0	1500	626	0	0.48	0	65.2	60.5	43.0	
10-11 PM	419	0.0	1500	419	0	0.46	0	65.6	61.0	43.8	
11PM-MID	210	0.0	1500	210	0	0.44	0	66.0	61.5	44.6	

"OFF" INDICATES NO ROAD WORK (ALL LANES OPEN TO TRAFFIC)

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

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

MAIN ROUTE WITHOUT WORKS	0.0352
MAIN ROUTE WITH WORKS	0.0348
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ROAD USER COSTS PER DAY	\$676
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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