

IH 43: CTH Y TO HALE INTERCHANGE (WAUKESHA AND MILWAUKEE COUNTIES) OFF-PEAK DAY 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	197	0.0	OFF	197	0	0.00	0	66.0	66.0	66.0
1-2 AM	170	0.0	OFF	170	0	0.00	0	66.1	66.1	66.1
2-3 AM	171	0.0	OFF	171	0	0.00	0	66.1	66.1	66.1
3-4 AM	306	0.0	OFF	306	0	0.00	0	65.8	65.8	65.8
4-5 AM	646	0.0	OFF	646	0	0.00	0	65.2	65.2	65.2
5-6 AM	1396	0.0	OFF	1396	0	0.00	0	63.8	63.8	63.8
6-7 AM	1972	0.0	OFF	1972	0	0.00	0	62.7	62.7	62.7
7-8 AM	1781	0.0	OFF	1781	0	0.00	0	63.1	63.1	63.1
8-9 AM	1385	0.0	OFF	1385	0	0.00	0	63.8	63.8	63.8
9-10 AM	1302	0.0	OFF	1302	0	0.00	0	64.0	64.0	64.0
10-11 AM	1442	0.0	1499	1442	0	0.95	0	63.7	55.4	32.0
11AM-NOON	1580	0.0	1499	1580	0	2.07	30	63.5	47.8	30.8
NOON-1PM	1758	0.0	1500	1758	0	7.73	193	63.1	28.5	30.8
1-2 PM	2067	0.0	1499	1519	547	15.67+	397	62.5	18.2	30.8
2-3 PM	2567	0.0	1500	1500	1067	15.50+	400	60.2	18.1	30.8
3-4 PM	2912	0.0	OFF	2912	0	1.37	58	56.7	47.5	47.5
4-5 PM	2730	0.0	OFF	2730	0	0.00	0	58.6	58.6	58.6
5-6 PM	2112	0.0	OFF	2112	0	0.00	0	62.5	62.5	62.5
6-7 PM	1449	0.0	OFF	1449	0	0.00	0	63.7	63.7	63.7
7-8 PM	1083	0.0	OFF	1083	0	0.00	0	64.4	64.4	64.4
8-9 PM	1047	0.0	OFF	1047	0	0.00	0	64.5	64.5	64.5
9-10 PM	974	0.0	OFF	974	0	0.00	0	64.6	64.6	64.6
10-11 PM	725	0.0	OFF	725	0	0.00	0	65.0	65.0	65.0
11PM-MID	446	0.0	OFF	446	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

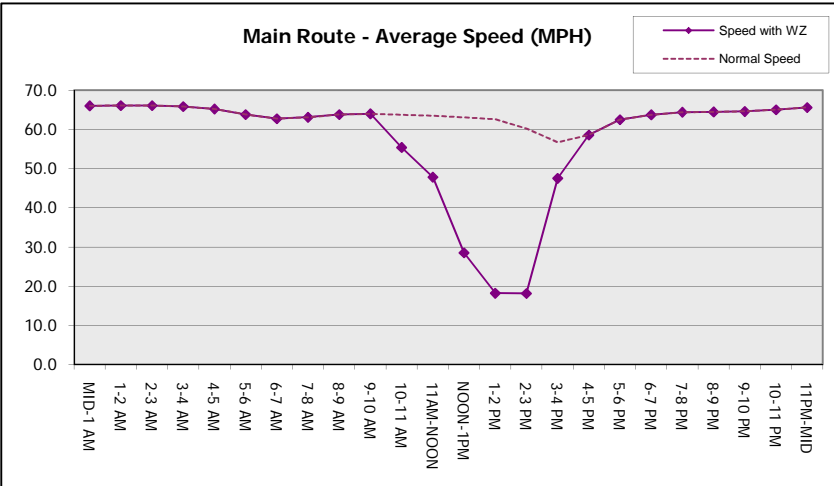
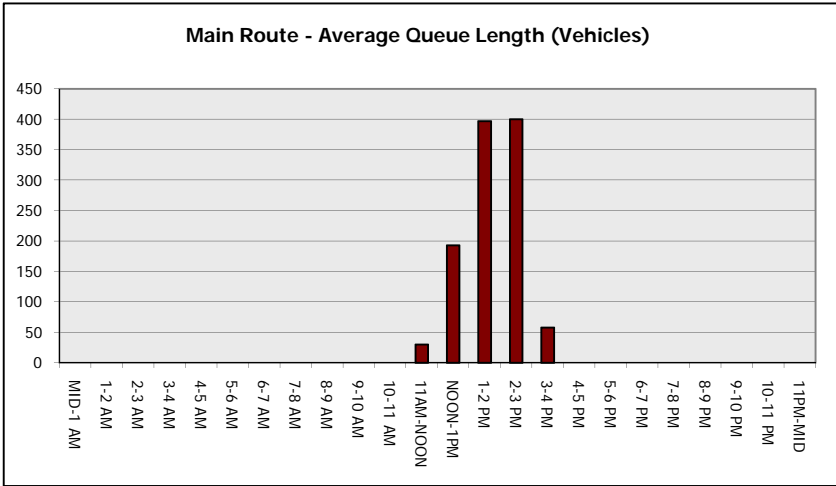
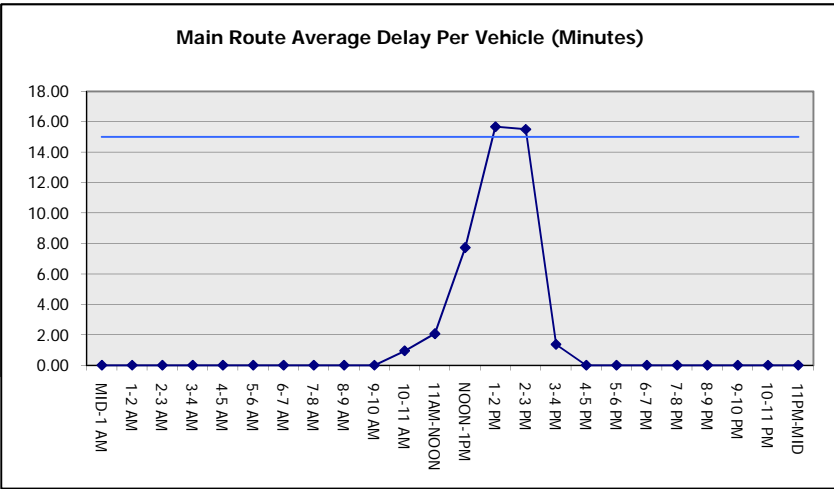
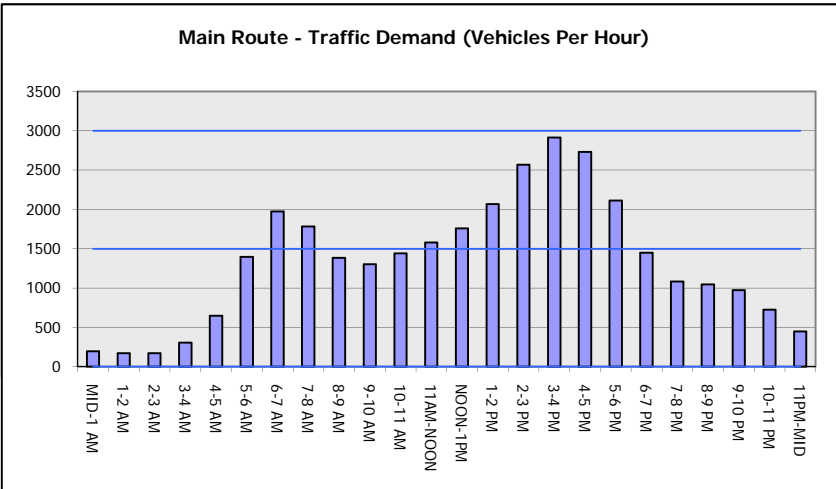
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0343
MAIN ROUTE WITH WORKS	0.0321
'DIVERSION'	0.0040
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$19,317
CONGESTED HOURS PER DAY*	2

*Delays Exceeding User-Specified Maximum

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MAY
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Construction Season

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	210	0.0	OFF	210	0	0.00	0	66.0	66.0	66.0
1-2 AM	158	0.0	OFF	158	0	0.00	0	66.1	66.1	66.1
2-3 AM	207	0.0	OFF	207	0	0.00	0	66.0	66.0	66.0
3-4 AM	411	0.0	OFF	411	0	0.00	0	65.6	65.6	65.6
4-5 AM	1258	0.0	OFF	1258	0	0.00	0	64.0	64.0	64.0
5-6 AM	2416	0.0	OFF	2416	0	0.00	0	61.7	61.7	61.7
6-7 AM	2707	0.0	OFF	2707	0	0.00	0	58.7	58.7	58.7
7-8 AM	2260	0.0	OFF	2260	0	0.00	0	62.2	62.2	62.2
8-9 AM	1723	0.0	OFF	1723	0	0.00	0	63.2	63.2	63.2
9-10 AM	1582	0.0	OFF	1582	0	0.00	0	63.5	63.5	63.5
10-11 AM	1504	0.0	1499	1504	0	1.15	3	63.6	53.8	30.8
11AM-NOON	1533	0.0	1500	1533	0	1.56	14	63.5	51.0	30.8
NOON-1PM	1673	0.0	1500	1673	0	5.12	117	63.3	35.0	30.8
1-2 PM	1710	0.0	1499	1710	0	12.06+	305	63.2	21.8	30.8
2-3 PM	1979	0.0	1499	1500	479	15.76+	399	62.7	18.1	30.8
3-4 PM	2248	0.0	OFF	2248	0	1.08	50	62.2	53.3	53.3
4-5 PM	2316	0.0	OFF	2316	0	0.00	0	62.1	62.1	62.1
5-6 PM	1944	0.0	OFF	1944	0	0.00	0	62.8	62.8	62.8
6-7 PM	1412	0.0	OFF	1412	0	0.00	0	63.8	63.8	63.8
7-8 PM	1019	0.0	OFF	1019	0	0.00	0	64.5	64.5	64.5
8-9 PM	945	0.0	OFF	945	0	0.00	0	64.6	64.6	64.6
9-10 PM	787	0.0	OFF	787	0	0.00	0	64.9	64.9	64.9
10-11 PM	626	0.0	OFF	626	0	0.00	0	65.2	65.2	65.2
11PM-MID	419	0.0	OFF	419	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	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	0.0352
MAIN ROUTE WITH WORKS	0.0342
'DIVERSION'	0.0012

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$13,695
CONGESTED HOURS PER DAY*	2

*Delays Exceeding User-Specified Maximum

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