

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

SUNDAY 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	194	0.0	1500	194	0	0.44	0	66.0	61.5	44.7	
1-2 AM	160	0.0	1500	160	0	0.44	0	66.1	61.7	44.8	
2-3 AM	130	0.0	1500	130	0	0.44	0	66.1	61.7	45.0	
3-4 AM	186	0.0	1500	186	0	0.44	0	66.0	61.6	44.7	
4-5 AM	332	0.0	1500	332	0	0.45	0	65.8	61.2	44.2	
5-6 AM	493	0.0	1500	493	0	0.47	0	65.5	60.8	43.5	
6-7 AM	684	0.0	1500	684	0	0.49	0	65.1	60.4	42.8	
7-8 AM	927	0.0	1500	927	0	0.51	0	64.6	59.7	41.9	
8-9 AM	1224	0.0	OFF	1224	0	0.00	0	64.1	64.1	64.1	
9-10 AM	1395	0.0	OFF	1395	0	0.00	0	63.8	63.8	63.8	
10-11 AM	1626	0.0	OFF	1626	0	0.00	0	63.3	63.3	63.3	
11AM-NOON	1646	0.0	OFF	1646	0	0.00	0	63.3	63.3	63.3	
NOON-1PM	1596	0.0	OFF	1596	0	0.00	0	63.4	63.4	63.4	
1-2 PM	1691	0.0	OFF	1691	0	0.00	0	63.2	63.2	63.2	
2-3 PM	1685	0.0	OFF	1685	0	0.00	0	63.2	63.2	63.2	
3-4 PM	1586	0.0	OFF	1586	0	0.00	0	63.4	63.4	63.4	
4-5 PM	1337	0.0	OFF	1337	0	0.00	0	63.9	63.9	63.9	
5-6 PM	1181	0.0	OFF	1181	0	0.00	0	64.2	64.2	64.2	
6-7 PM	967	0.0	1500	967	0	0.52	0	64.6	59.6	41.8	
7-8 PM	722	0.0	1500	722	0	0.49	0	65.0	60.2	42.7	
8-9 PM	500	0.0	1500	500	0	0.47	0	65.5	60.8	43.5	
9-10 PM	349	0.0	1500	349	0	0.46	0	65.8	61.2	44.1	
10-11 PM	194	0.0	1500	194	0	0.44	0	66.0	61.5	44.7	
11PM-MID	268	0.0	1500	268	0	0.45	0	65.9	61.4	44.4	

"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

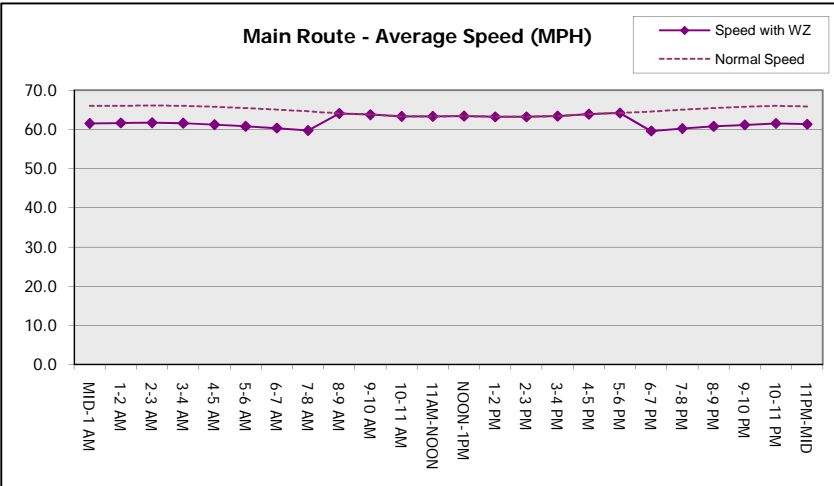
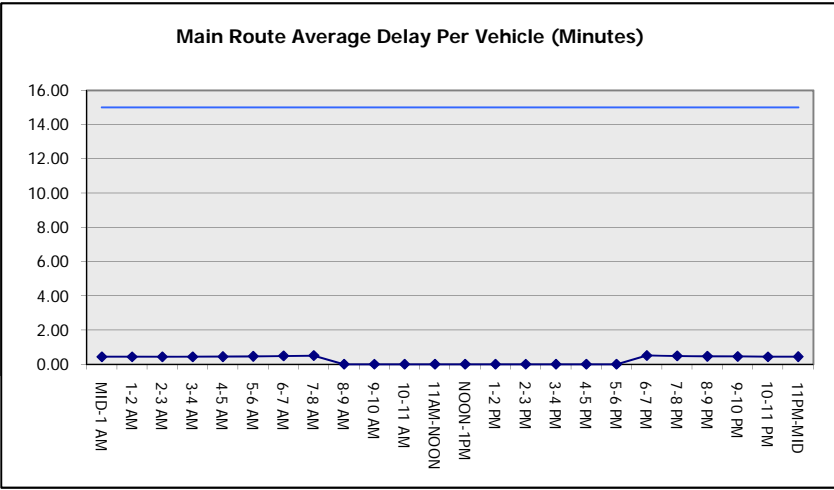
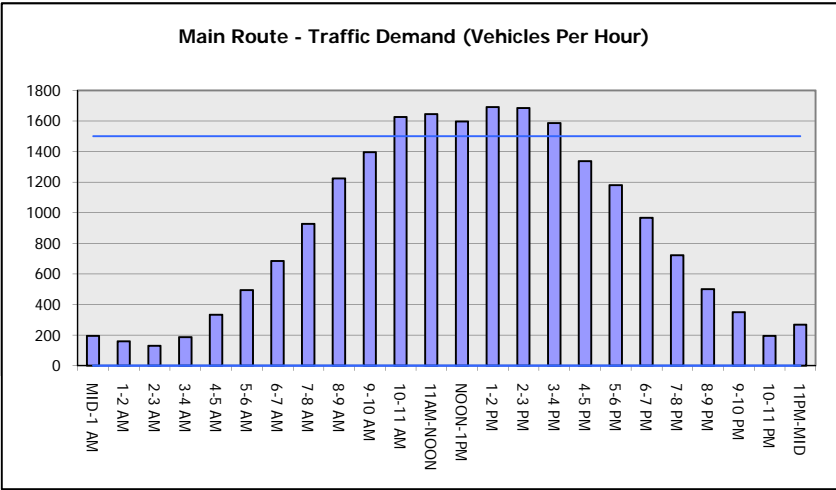
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0225
MAIN ROUTE WITH WORKS	0.0221
'DIVERSION'	0.0000
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$689
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY SOUTHBOUND DIRECTION



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SUMMARY OF TRAFFIC MODEL OUTPUT

SUNDAY 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	139	0.0	1500	139	0	0.44	0	66.1	61.7	44.9
1-2 AM	131	0.0	1500	131	0	0.44	0	66.1	61.7	45.0
2-3 AM	135	0.0	1500	135	0	0.44	0	66.1	61.7	45.0
3-4 AM	213	0.0	1500	213	0	0.44	0	66.0	61.5	44.6
4-5 AM	356	0.0	1500	356	0	0.46	0	65.7	61.2	44.1
5-6 AM	495	0.0	1500	495	0	0.47	0	65.5	60.8	43.5
6-7 AM	671	0.0	1500	671	0	0.49	0	65.1	60.4	42.8
7-8 AM	986	0.0	1500	986	0	0.52	0	64.5	59.6	41.7
8-9 AM	1267	0.0	OFF	1267	0	0.00	0	64.0	64.0	64.0
9-10 AM	1528	0.0	OFF	1528	0	0.00	0	63.5	63.5	63.5
10-11 AM	1635	0.0	OFF	1635	0	0.00	0	63.3	63.3	63.3
11AM-NOON	1590	0.0	OFF	1590	0	0.00	0	63.4	63.4	63.4
NOON-1PM	1516	0.0	OFF	1516	0	0.00	0	63.6	63.6	63.6
1-2 PM	1545	0.0	OFF	1545	0	0.00	0	63.5	63.5	63.5
2-3 PM	1552	0.0	OFF	1552	0	0.00	0	63.5	63.5	63.5
3-4 PM	1510	0.0	OFF	1510	0	0.00	0	63.6	63.6	63.6
4-5 PM	1414	0.0	OFF	1414	0	0.00	0	63.8	63.8	63.8
5-6 PM	1350	0.0	OFF	1350	0	0.00	0	63.9	63.9	63.9
6-7 PM	1155	0.0	1500	1155	0	0.58	0	64.2	58.8	39.9
7-8 PM	894	0.0	1500	894	0	0.51	0	64.7	59.8	42.0
8-9 PM	628	0.0	1500	628	0	0.48	0	65.2	60.5	43.0
9-10 PM	377	0.0	1500	377	0	0.46	0	65.7	61.1	44.0
10-11 PM	210	0.0	1500	210	0	0.44	0	66.0	61.5	44.6
11PM-MID	198	0.0	1500	198	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	0.0229
MAIN ROUTE WITH WORKS	0.0225
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$771
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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