

IH 43: CTH Y TO HALE INTERCHANGE (WAUKESHA AND MILWAUKEE COUNTIES) NIGHTTIME CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	AUGUST
	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	284	0.0	1500	284	0	0.45	0	65.8	61.4	44.3
1-2 AM	212	0.0	1500	212	0	0.44	0	66.0	61.5	44.6
2-3 AM	172	0.0	1500	172	0	0.44	0	66.1	61.6	44.8
3-4 AM	195	0.0	1500	195	0	0.44	0	66.0	61.5	44.7
4-5 AM	334	0.0	1500	334	0	0.45	0	65.8	61.2	44.2
5-6 AM	559	0.0	1500	559	0	0.48	0	65.3	60.7	43.3
6-7 AM	806	0.0	1500	806	0	0.50	0	64.9	60.1	42.4
7-8 AM	1010	0.0	OFF	1010	0	0.00	0	64.5	64.5	64.5
8-9 AM	1193	0.0	OFF	1193	0	0.00	0	64.1	64.1	64.1
9-10 AM	1369	0.0	OFF	1369	0	0.00	0	63.8	63.8	63.8
10-11 AM	1594	0.0	OFF	1594	0	0.00	0	63.4	63.4	63.4
11AM-NOON	1789	0.0	OFF	1789	0	0.00	0	63.0	63.0	63.0
NOON-1PM	1783	0.0	OFF	1783	0	0.00	0	63.1	63.1	63.1
1-2 PM	1830	0.0	OFF	1830	0	0.00	0	63.0	63.0	63.0
2-3 PM	1802	0.0	OFF	1802	0	0.00	0	63.0	63.0	63.0
3-4 PM	1686	0.0	OFF	1686	0	0.00	0	63.2	63.2	63.2
4-5 PM	1543	0.0	OFF	1543	0	0.00	0	63.5	63.5	63.5
5-6 PM	1346	0.0	1500	1346	0	0.82	0	63.9	56.4	34.3
6-7 PM	1200	0.0	1500	1200	0	0.64	0	64.1	58.2	38.4
7-8 PM	1116	0.0	1500	1116	0	0.53	0	64.3	59.2	41.3
8-9 PM	947	0.0	1500	947	0	0.51	0	64.6	59.7	41.9
9-10 PM	980	0.0	1500	980	0	0.52	0	64.6	59.6	41.7
10-11 PM	827	0.0	1500	827	0	0.50	0	64.8	60.0	42.3
11PM-MID	528	0.0	1500	528	0	0.47	0	65.4	60.7	43.4

"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

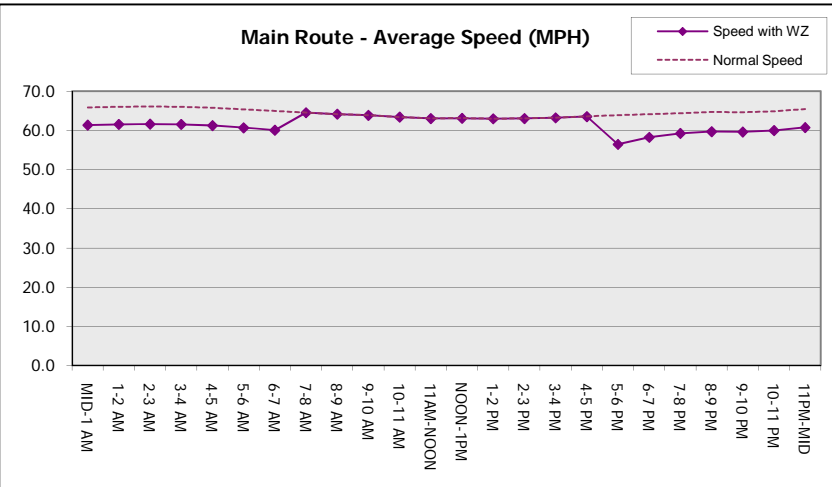
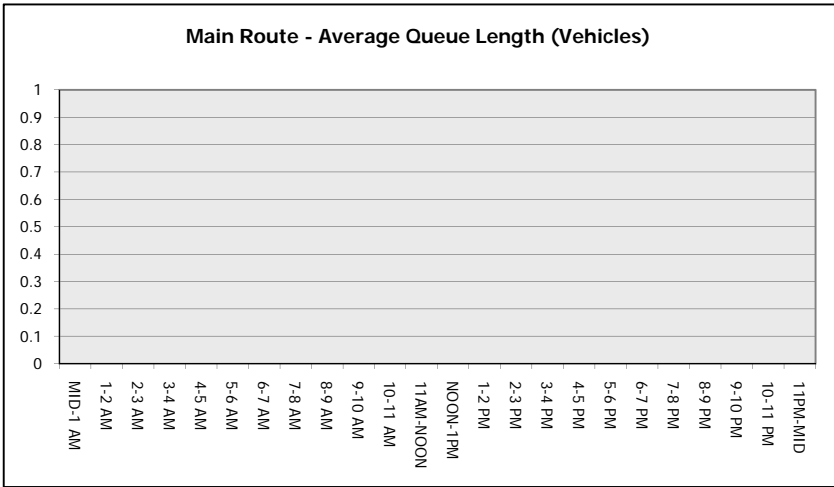
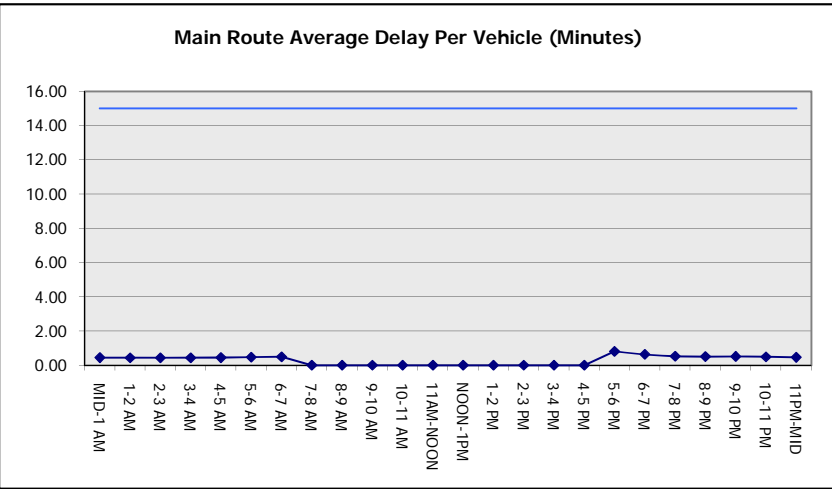
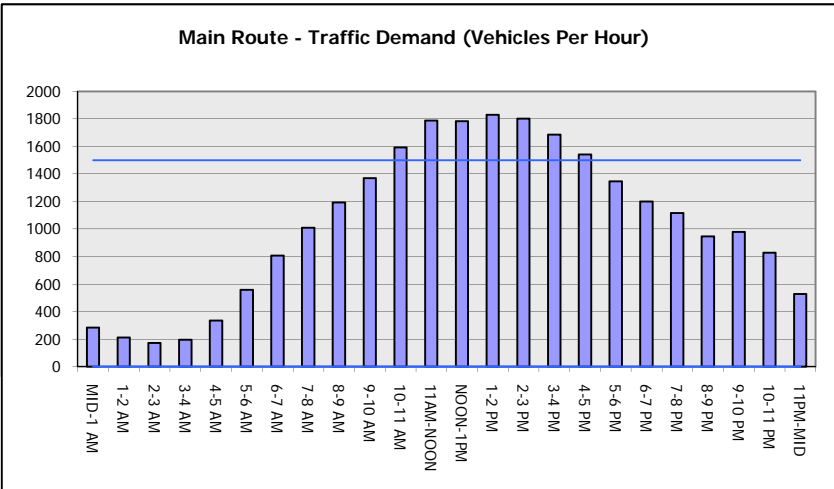
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0268
MAIN ROUTE WITH WORKS	0.0261
'DIVERSION'	0.0000
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$1,291
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SATURDAY SOUTHBOUND DIRECTION



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NIGHTTIME CLOSURE	Analyzed for 2009
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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	229	0.0	1500	229	0	0.44	0	66.0	61.5	44.6
1-2 AM	187	0.0	1500	187	0	0.44	0	66.0	61.6	44.7
2-3 AM	182	0.0	1500	182	0	0.44	0	66.1	61.6	44.8
3-4 AM	294	0.0	1500	294	0	0.45	0	65.8	61.3	44.3
4-5 AM	520	0.0	1500	520	0	0.47	0	65.4	60.7	43.4
5-6 AM	792	0.0	1500	792	0	0.50	0	64.9	60.1	42.4
6-7 AM	938	0.0	1500	938	0	0.51	0	64.6	59.7	41.9
7-8 AM	1190	0.0	OFF	1190	0	0.00	0	64.1	64.1	64.1
8-9 AM	1404	0.0	OFF	1404	0	0.00	0	63.8	63.8	63.8
9-10 AM	1649	0.0	OFF	1649	0	0.00	0	63.3	63.3	63.3
10-11 AM	1695	0.0	OFF	1695	0	0.00	0	63.2	63.2	63.2
11AM-NOON	1759	0.0	OFF	1759	0	0.00	0	63.1	63.1	63.1
NOON-1PM	1786	0.0	OFF	1786	0	0.00	0	63.0	63.0	63.0
1-2 PM	1716	0.0	OFF	1716	0	0.00	0	63.2	63.2	63.2
2-3 PM	1647	0.0	OFF	1647	0	0.00	0	63.3	63.3	63.3
3-4 PM	1659	0.0	OFF	1659	0	0.00	0	63.3	63.3	63.3
4-5 PM	1608	0.0	OFF	1608	0	0.00	0	63.4	63.4	63.4
5-6 PM	1439	0.0	1500	1439	0	0.95	0	63.7	55.4	32.1
6-7 PM	1140	0.0	1500	1140	0	0.56	0	64.3	59.0	40.5
7-8 PM	1123	0.0	1500	1123	0	0.54	0	64.3	59.2	41.1
8-9 PM	835	0.0	1500	835	0	0.50	0	64.8	60.0	42.3
9-10 PM	709	0.0	1500	709	0	0.49	0	65.1	60.3	42.7
10-11 PM	694	0.0	1500	694	0	0.49	0	65.1	60.3	42.8
11PM-MID	385	0.0	1500	385	0	0.46	0	65.6	61.1	44.0

"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	0.0273
MAIN ROUTE WITH WORKS	0.0266
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$1,312
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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