

IH 43: CTH Y TO HALE INTERCHANGE (WAUKESHA AND MILWAUKEE COUNTIES) CONTINUOUS (24 HOUR) 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	528	0.0	1500	528	0	0.47	0	65.4	60.7	43.4	
1-2 AM	284	0.0	1500	284	0	0.45	0	65.8	61.4	44.3	
2-3 AM	212	0.0	1500	212	0	0.44	0	66.0	61.5	44.6	
3-4 AM	172	0.0	1500	172	0	0.44	0	66.1	61.6	44.8	
4-5 AM	195	0.0	1500	195	0	0.44	0	66.0	61.5	44.7	
5-6 AM	334	0.0	1500	334	0	0.45	0	65.8	61.2	44.2	
6-7 AM	559	0.0	1500	559	0	0.48	0	65.3	60.7	43.3	
7-8 AM	806	0.0	1500	806	0	0.50	0	64.9	60.1	42.4	
8-9 AM	1010	0.0	1500	1010	0	0.52	0	64.5	59.6	41.7	
9-10 AM	1193	0.0	1500	1193	0	0.63	0	64.1	58.3	38.7	
10-11 AM	1369	0.0	1499	1369	0	0.85	0	63.8	56.2	33.8	
11AM-NOON	1594	0.0	1499	1594	0	2.17	33	63.4	47.2	30.8	
NOON-1PM	1789	0.0	1500	1789	0	9.08	232	63.0	26.0	30.8	
1-2 PM	1783	0.0	1499	1500	283	15.80+	399	63.1	18.1	30.8	
2-3 PM	1830	0.0	1500	1500	330	15.79+	400	63.0	18.1	30.8	
3-4 PM	1802	0.0	1500	1500	302	15.80+	400	63.0	18.1	30.8	
4-5 PM	1686	0.0	1500	1500	186	15.82+	400	63.2	18.1	30.8	
5-6 PM	1543	0.0	1500	1513	31	15.70+	396	63.5	18.3	30.8	
6-7 PM	1346	0.0	1499	1346	0	13.11+	329	63.9	20.7	30.8	
7-8 PM	1200	0.0	1499	1200	0	3.83	103	64.1	39.8	34.8	
8-9 PM	1116	0.0	1500	1116	0	0.53	0	64.3	59.2	41.3	
9-10 PM	947	0.0	1500	947	0	0.51	0	64.6	59.7	41.9	
10-11 PM	980	0.0	1500	980	0	0.52	0	64.6	59.6	41.7	
11PM-MID	827	0.0	1500	827	0	0.50	0	64.8	60.0	42.3	

+ 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

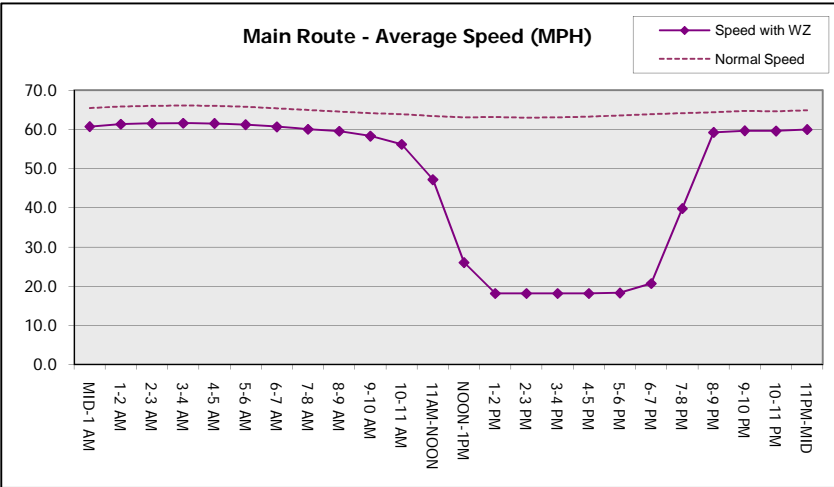
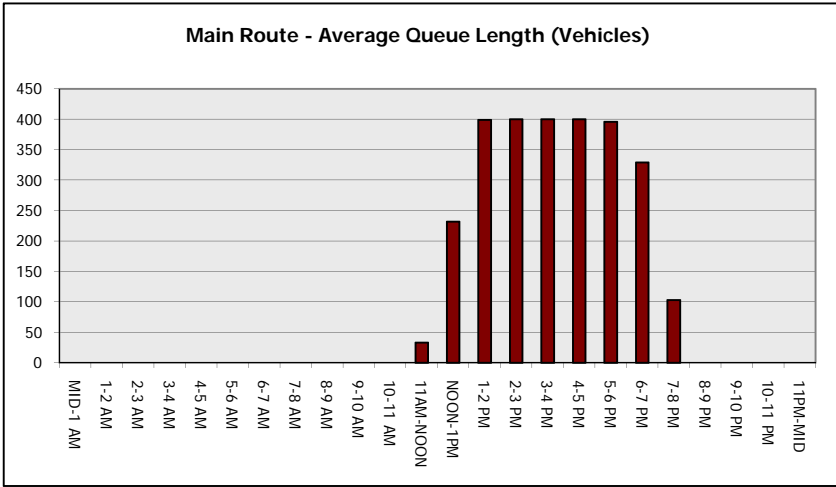
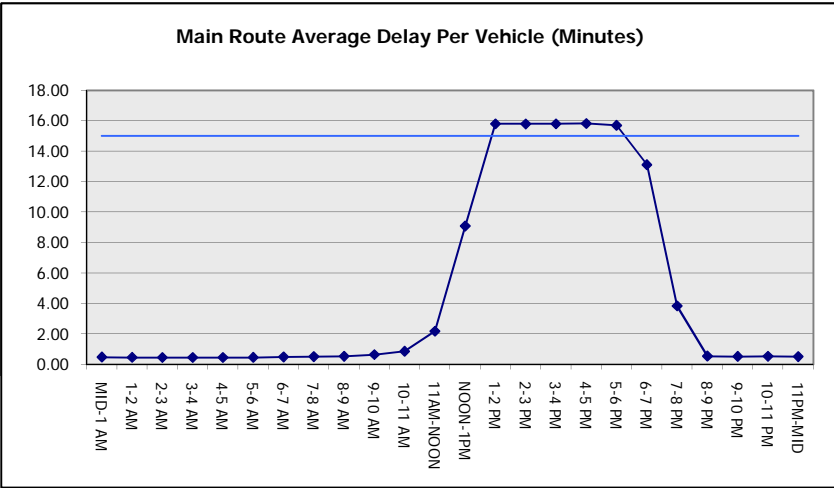
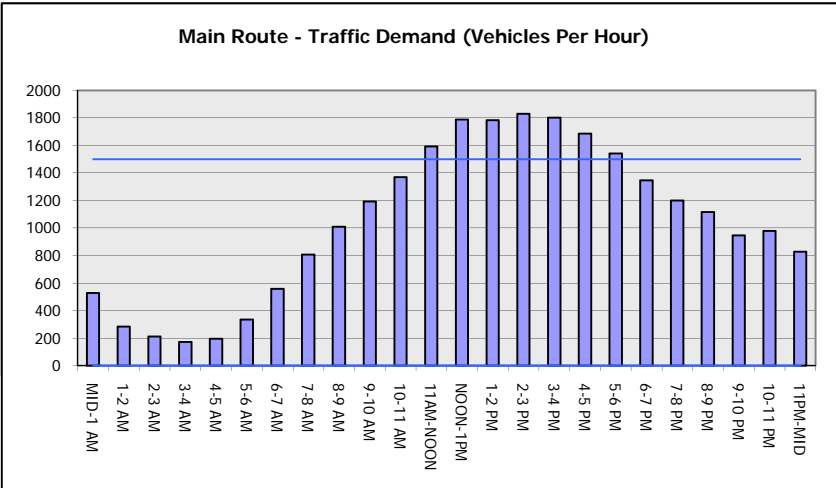
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0268
MAIN ROUTE WITH WORKS	0.0240
'DIVERSION'	0.0028
<small>PIA: Personal Injury Accidents</small>	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$51,368
CONGESTED HOURS PER DAY*	6

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SATURDAY SOUTHBOUND DIRECTION



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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	385	0.0	1500	385	0	0.46	0	65.6	61.1	44.0
1-2 AM	229	0.0	1500	229	0	0.44	0	66.0	61.5	44.6
2-3 AM	187	0.0	1500	187	0	0.44	0	66.0	61.6	44.7
3-4 AM	182	0.0	1500	182	0	0.44	0	66.1	61.6	44.8
4-5 AM	294	0.0	1500	294	0	0.45	0	65.8	61.3	44.3
5-6 AM	520	0.0	1500	520	0	0.47	0	65.4	60.7	43.4
6-7 AM	792	0.0	1500	792	0	0.50	0	64.9	60.1	42.4
7-8 AM	938	0.0	1500	938	0	0.51	0	64.6	59.7	41.9
8-9 AM	1190	0.0	1500	1190	0	0.62	0	64.1	58.4	38.8
9-10 AM	1404	0.0	1499	1404	0	0.90	0	63.8	55.8	32.9
10-11 AM	1649	0.0	1499	1649	0	3.23	65	63.3	41.9	30.8
11AM-NOON	1695	0.0	1499	1695	0	9.78	243	63.2	24.9	30.8
NOON-1PM	1759	0.0	1499	1555	204	15.57+	393	63.1	18.3	30.8
1-2 PM	1786	0.0	1500	1500	286	15.80+	400	63.0	18.1	30.8
2-3 PM	1716	0.0	1500	1500	216	15.81+	400	63.2	18.1	30.8
3-4 PM	1647	0.0	1500	1500	147	15.83+	400	63.3	18.1	30.8
4-5 PM	1659	0.0	1500	1500	159	15.82+	400	63.3	18.1	30.8
5-6 PM	1608	0.0	1500	1500	108	15.83+	400	63.4	18.1	30.8
6-7 PM	1439	0.0	1500	1439	0	15.20+	382	63.7	18.7	30.8
7-8 PM	1140	0.0	1499	1140	0	5.88	167	64.3	33.1	34.5
8-9 PM	1123	0.0	1500	1123	0	0.54	0	64.3	59.2	41.1
9-10 PM	835	0.0	1500	835	0	0.50	0	64.8	60.0	42.3
10-11 PM	709	0.0	1500	709	0	0.49	0	65.1	60.3	42.7
11PM-MID	694	0.0	1500	694	0	0.49	0	65.1	60.3	42.8

+ 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	0.0273
MAIN ROUTE WITH WORKS	0.0245
'DIVERSION'	0.0028

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$60,321
CONGESTED HOURS PER DAY*	7

*Delays Exceeding User-Specified Maximum

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