

USH 41/45: CTH Q TO STH 145 (WAUKESHA AND MILWAUKEE COUNTIES) OFF-PEAK DAY 2 LANE 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	627	0.0	OFF	627	0	0.00	0	69.9	69.9	69.9	
1-2 AM	346	0.0	OFF	346	0	0.00	0	70.2	70.2	70.2	
2-3 AM	275	0.0	OFF	275	0	0.00	0	70.2	70.2	70.2	
3-4 AM	272	0.0	OFF	272	0	0.00	0	70.2	70.2	70.2	
4-5 AM	433	0.0	OFF	433	0	0.00	0	70.2	70.2	70.2	
5-6 AM	766	0.0	OFF	766	0	0.00	0	69.8	69.8	69.8	
6-7 AM	1310	0.0	OFF	1310	0	0.00	0	69.1	69.1	69.1	
7-8 AM	1681	0.0	OFF	1681	0	0.00	0	68.6	68.6	68.6	
8-9 AM	2233	0.0	1499	1840	393	9.83+	267	67.9	19.9	30.8	
9-10 AM	2918	0.0	1499	1500	1418	16.27+	399	67.1	13.5	30.8	
10-11 AM	3319	0.0	1500	1500	1819	16.24+	400	66.6	13.5	30.8	
11AM-NOON	3710	0.0	1500	1500	2210	16.17+	400	65.5	13.5	30.8	
NOON-1PM	3652	0.0	1500	1500	2152	16.20+	400	65.9	13.5	30.8	
1-2 PM	3686	0.0	1500	1500	2186	16.18+	400	65.6	13.5	30.8	
2-3 PM	3660	0.0	1500	1500	2160	16.19+	400	65.8	13.5	30.8	
3-4 PM	3523	0.0	1500	1500	2023	16.23+	400	66.4	13.5	30.8	
4-5 PM	3371	0.0	1500	1500	1871	16.24+	400	66.6	13.5	30.8	
5-6 PM	3120	0.0	1500	1500	1620	16.26+	400	66.9	13.5	30.8	
6-7 PM	2746	0.0	OFF	2746	0	0.20	17	67.3	64.1	64.1	
7-8 PM	2261	0.0	OFF	2261	0	0.00	0	67.9	67.9	67.9	
8-9 PM	2099	0.0	OFF	2099	0	0.00	0	68.1	68.1	68.1	
9-10 PM	1888	0.0	OFF	1888	0	0.00	0	68.4	68.4	68.4	
10-11 PM	1493	0.0	OFF	1493	0	0.00	0	68.9	68.9	68.9	
11PM-MID	1115	0.0	OFF	1115	0	0.00	0	69.4	69.4	69.4	

"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

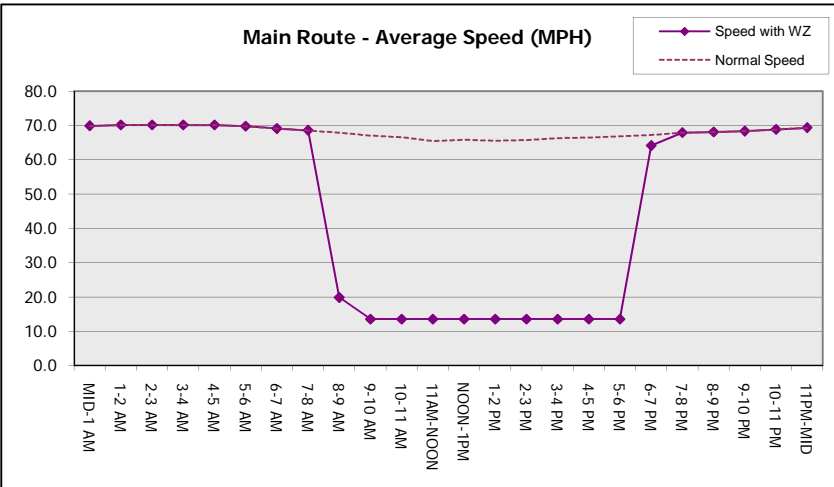
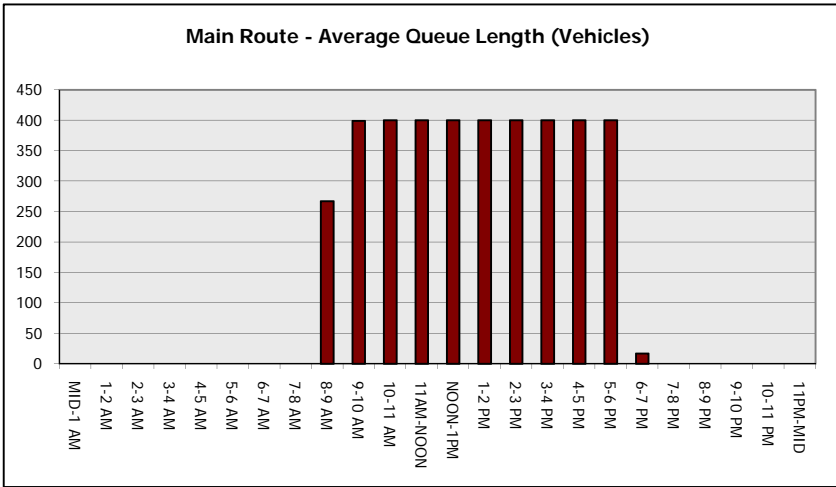
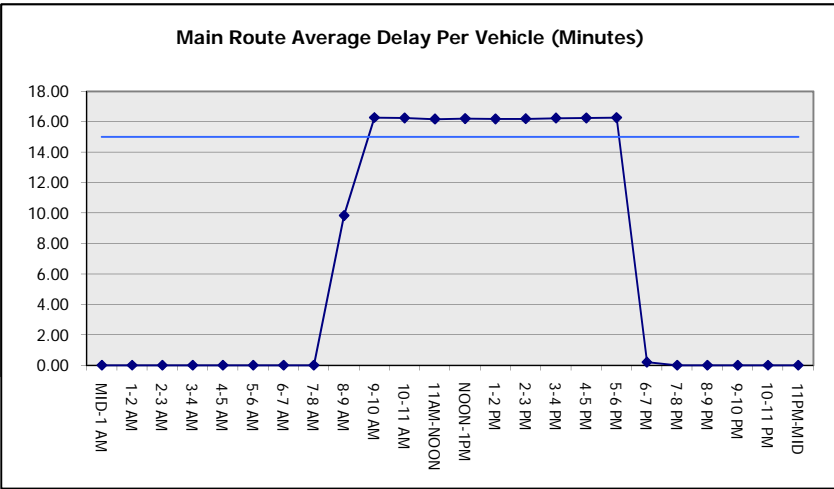
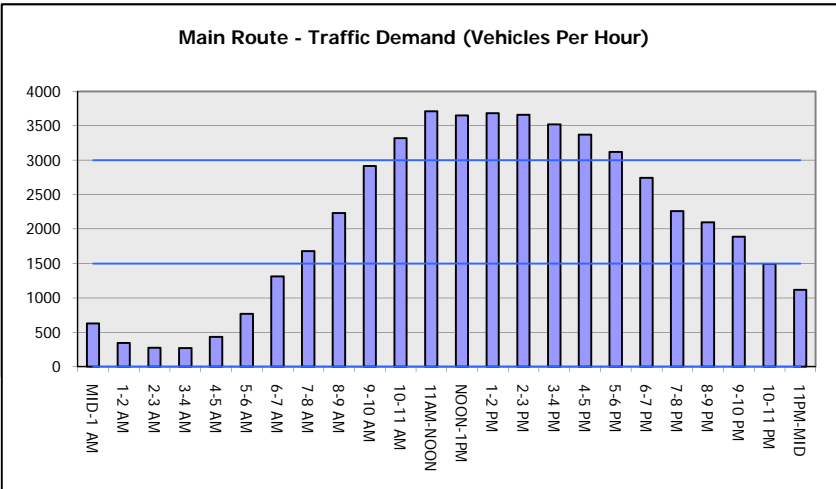
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0370
MAIN ROUTE WITH WORKS	0.0229
'DIVERSION'	0.0303
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$144,617
CONGESTED HOURS PER DAY*	10

*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	945	0.0	OFF	945	0	0.00	0	69.6	69.6	69.6
1-2 AM	518	0.0	OFF	518	0	0.00	0	70.1	70.1	70.1
2-3 AM	402	0.0	OFF	402	0	0.00	0	70.2	70.2	70.2
3-4 AM	311	0.0	OFF	311	0	0.00	0	70.2	70.2	70.2
4-5 AM	434	0.0	OFF	434	0	0.00	0	70.2	70.2	70.2
5-6 AM	735	0.0	OFF	735	0	0.00	0	69.8	69.8	69.8
6-7 AM	1368	0.0	OFF	1368	0	0.00	0	69.1	69.1	69.1
7-8 AM	1824	0.0	OFF	1824	0	0.00	0	68.5	68.5	68.5
8-9 AM	2442	0.0	1499	1901	541	11.63+	300	67.7	17.6	30.8
9-10 AM	2948	0.0	1500	1500	1448	16.27+	400	67.1	13.5	30.8
10-11 AM	3365	0.0	1500	1500	1865	16.24+	400	66.6	13.5	30.8
11AM-NOON	3534	0.0	1500	1500	2034	16.22+	400	66.3	13.5	30.8
NOON-1PM	3826	0.0	1500	1500	2326	16.12+	400	64.7	13.5	30.8
1-2 PM	3294	0.0	1500	1500	1794	16.24+	400	66.6	13.5	30.8
2-3 PM	3045	0.0	1500	1500	1545	16.26+	400	66.9	13.5	30.8
3-4 PM	3512	0.0	1500	1500	2012	16.23+	400	66.4	13.5	30.8
4-5 PM	3296	0.0	1500	1500	1796	16.24+	400	66.6	13.5	30.8
5-6 PM	2997	0.0	1500	1500	1497	16.27+	400	67.0	13.5	30.8
6-7 PM	2526	0.0	OFF	2526	0	0.26	23	67.6	63.5	63.5
7-8 PM	2118	0.0	OFF	2118	0	0.00	0	68.1	68.1	68.1
8-9 PM	1901	0.0	OFF	1901	0	0.00	0	68.4	68.4	68.4
9-10 PM	1887	0.0	OFF	1887	0	0.00	0	68.4	68.4	68.4
10-11 PM	1678	0.0	OFF	1678	0	0.00	0	68.6	68.6	68.6
11PM-MID	1076	0.0	OFF	1076	0	0.00	0	69.4	69.4	69.4

"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	0.0366
MAIN ROUTE WITH WORKS	0.0232
'DIVERSION'	0.0286

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$141,414
CONGESTED HOURS PER DAY*	10

*Delays Exceeding User-Specified Maximum

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