

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

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	770	0.0	OFF	770	0	0.00	0	69.8	69.8	69.8
1-2 AM	565	0.0	OFF	565	0	0.00	0	70.0	70.0	70.0
2-3 AM	313	0.0	OFF	313	0	0.00	0	70.2	70.2	70.2
3-4 AM	224	0.0	OFF	224	0	0.00	0	70.2	70.2	70.2
4-5 AM	257	0.0	OFF	257	0	0.00	0	70.2	70.2	70.2
5-6 AM	396	0.0	OFF	396	0	0.00	0	70.2	70.2	70.2
6-7 AM	746	0.0	OFF	746	0	0.00	0	69.8	69.8	69.8
7-8 AM	884	0.0	OFF	884	0	0.00	0	69.6	69.6	69.6
8-9 AM	1440	0.0	OFF	1440	0	0.00	0	68.9	68.9	68.9
9-10 AM	2212	0.0	1499	1896	316	9.03+	250	68.0	21.1	30.8
10-11 AM	3142	0.0	1499	1500	1642	16.25+	399	66.8	13.5	30.8
11AM-NOON	3799	0.0	1500	1500	2299	16.13+	400	64.9	13.5	30.8
NOON-1PM	4054	0.0	1500	1500	2554	16.01+	400	63.2	13.5	30.8
1-2 PM	3988	0.0	1500	1500	2488	16.05+	400	63.6	13.5	30.8
2-3 PM	4246	0.0	1500	1500	2746	15.92+	400	61.9	13.5	30.8
3-4 PM	3963	0.0	1500	1500	2463	16.06+	400	63.8	13.5	30.8
4-5 PM	4017	0.0	1500	1500	2517	16.03+	400	63.4	13.5	30.8
5-6 PM	3833	0.0	1500	1500	2333	16.12+	400	64.6	13.5	30.8
6-7 PM	3369	0.0	1500	1500	1869	16.24+	400	66.6	13.5	30.8
7-8 PM	2886	0.0	OFF	2886	0	0.28	25	67.1	62.8	62.8
8-9 PM	2411	0.0	OFF	2411	0	0.00	0	67.8	67.8	67.8
9-10 PM	1687	0.0	OFF	1687	0	0.00	0	68.6	68.6	68.6
10-11 PM	1203	0.0	OFF	1203	0	0.00	0	69.2	69.2	69.2
11PM-MID	595	0.0	OFF	595	0	0.00	0	70.0	70.0	70.0

"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

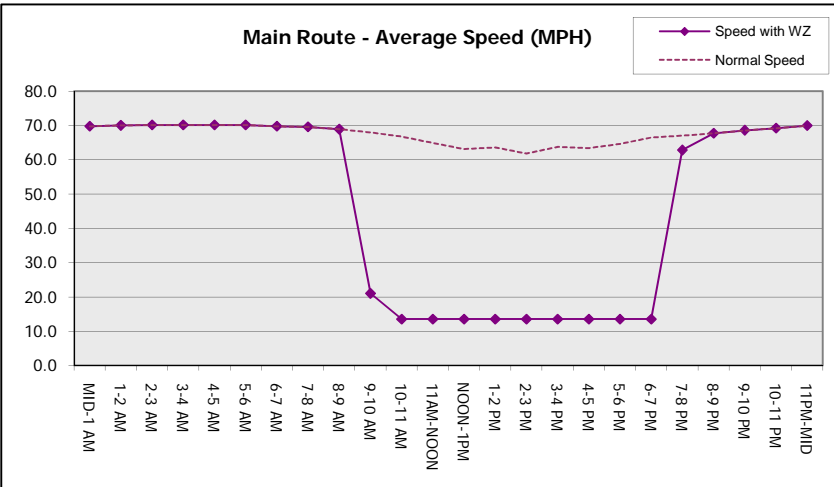
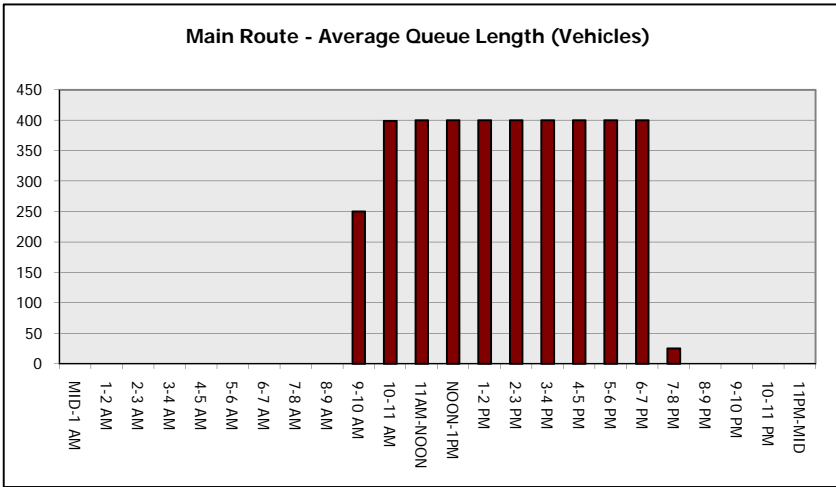
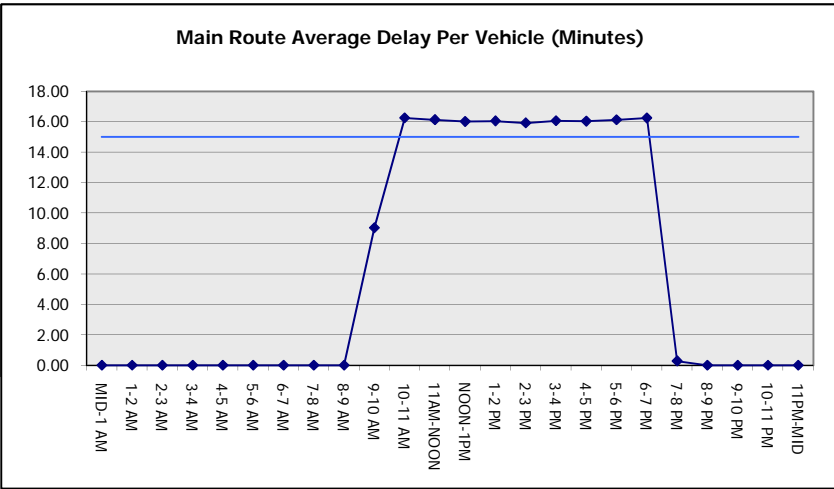
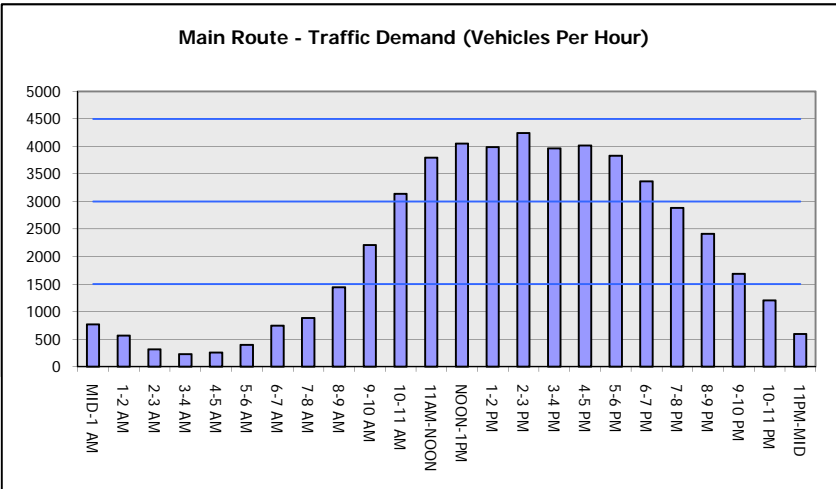
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0373
MAIN ROUTE WITH WORKS	0.0208
'DIVERSION'	0.0360
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$159,845
CONGESTED HOURS PER DAY*	10

*Delays Exceeding User-Specified Maximum

**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

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY SOUTHBOUND DIRECTION



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

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	807	0.0	OFF	807	0	0.00	0	69.7	69.7	69.7
1-2 AM	503	0.0	OFF	503	0	0.00	0	70.1	70.1	70.1
2-3 AM	359	0.0	OFF	359	0	0.00	0	70.2	70.2	70.2
3-4 AM	219	0.0	OFF	219	0	0.00	0	70.2	70.2	70.2
4-5 AM	178	0.0	OFF	178	0	0.00	0	70.2	70.2	70.2
5-6 AM	364	0.0	OFF	364	0	0.00	0	70.2	70.2	70.2
6-7 AM	582	0.0	OFF	582	0	0.00	0	70.0	70.0	70.0
7-8 AM	897	0.0	OFF	897	0	0.00	0	69.6	69.6	69.6
8-9 AM	1279	0.0	OFF	1279	0	0.00	0	69.1	69.1	69.1
9-10 AM	1864	0.0	1499	1864	0	5.44	145	68.4	29.1	30.8
10-11 AM	2441	0.0	1499	1500	941	16.31+	399	67.7	13.5	30.8
11AM-NOON	2821	0.0	1500	1500	1321	16.28+	400	67.3	13.5	30.8
NOON-1PM	3110	0.0	1500	1500	1610	16.26+	400	66.9	13.5	30.8
1-2 PM	3174	0.0	1500	1500	1674	16.25+	400	66.8	13.5	30.8
2-3 PM	3078	0.0	1500	1500	1578	16.26+	400	66.9	13.5	30.8
3-4 PM	3129	0.0	1500	1500	1629	16.26+	400	66.8	13.5	30.8
4-5 PM	3413	0.0	1500	1500	1913	16.23+	400	66.5	13.5	30.8
5-6 PM	3127	0.0	1500	1500	1627	16.26+	400	66.8	13.5	30.8
6-7 PM	2526	0.0	1500	1500	1026	16.30+	400	67.6	13.5	30.8
7-8 PM	2091	0.0	OFF	2091	0	0.20	16	68.1	65.0	65.0
8-9 PM	1727	0.0	OFF	1727	0	0.00	0	68.6	68.6	68.6
9-10 PM	1450	0.0	OFF	1450	0	0.00	0	68.9	68.9	68.9
10-11 PM	1173	0.0	OFF	1173	0	0.00	0	69.3	69.3	69.3
11PM-MID	710	0.0	OFF	710	0	0.00	0	69.9	69.9	69.9

"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	0.0300
MAIN ROUTE WITH WORKS	0.0193
'DIVERSION'	0.0226

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$124,381
CONGESTED HOURS PER DAY*	9

*Delays Exceeding User-Specified Maximum

**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

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY NORTHBOUND DIRECTION

