

USH 41/45: CTH Q TO STH 145 (WAUKESHA AND MILWAUKEE COUNTIES) OFF-PEAK DAY CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	AUGUST
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

FRIDAY 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	586	0.0	OFF	586	0	0.00	0	70.0	70.0	70.0
1-2 AM	352	0.0	OFF	352	0	0.00	0	70.2	70.2	70.2
2-3 AM	317	0.0	OFF	317	0	0.00	0	70.2	70.2	70.2
3-4 AM	424	0.0	OFF	424	0	0.00	0	70.2	70.2	70.2
4-5 AM	895	0.0	OFF	895	0	0.00	0	69.6	69.6	69.6
5-6 AM	2618	0.0	OFF	2618	0	0.00	0	67.5	67.5	67.5
6-7 AM	5191	0.0	OFF	5191	0	0.00	0	55.4	55.4	55.4
7-8 AM	5996	0.0	OFF	5996	0	0.00	0	49.9	49.9	49.9
8-9 AM	4084	0.0	OFF	4084	0	0.00	0	63.0	63.0	63.0
9-10 AM	3445	0.0	OFF	3445	0	0.00	0	66.4	66.4	66.4
10-11 AM	3412	0.0	2999	3412	0	3.93	201	66.5	34.2	37.3
11AM-NOON	3602	0.0	3000	3348	254	12.48+	667	66.3	16.6	37.3
NOON-1PM	3765	0.0	2999	3000	765	15.13+	799	65.1	14.2	37.3
1-2 PM	3780	0.0	3000	3000	780	15.12+	800	65.0	14.2	37.3
2-3 PM	4156	0.0	3000	3000	1156	14.95+	800	62.5	14.2	37.3
3-4 PM	4474	0.0	OFF	4474	0	2.32	189	60.3	40.0	40.0
4-5 PM	4202	0.0	OFF	4202	0	0.00	0	62.2	62.2	62.2
5-6 PM	3923	0.0	OFF	3923	0	0.00	0	64.0	64.0	64.0
6-7 PM	3225	0.0	OFF	3225	0	0.00	0	66.8	66.8	66.8
7-8 PM	2368	0.0	OFF	2368	0	0.00	0	67.8	67.8	67.8
8-9 PM	1945	0.0	OFF	1945	0	0.00	0	68.3	68.3	68.3
9-10 PM	1801	0.0	OFF	1801	0	0.00	0	68.5	68.5	68.5
10-11 PM	1474	0.0	OFF	1474	0	0.00	0	68.9	68.9	68.9
11PM-MID	1217	0.0	OFF	1217	0	0.00	0	69.2	69.2	69.2

"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

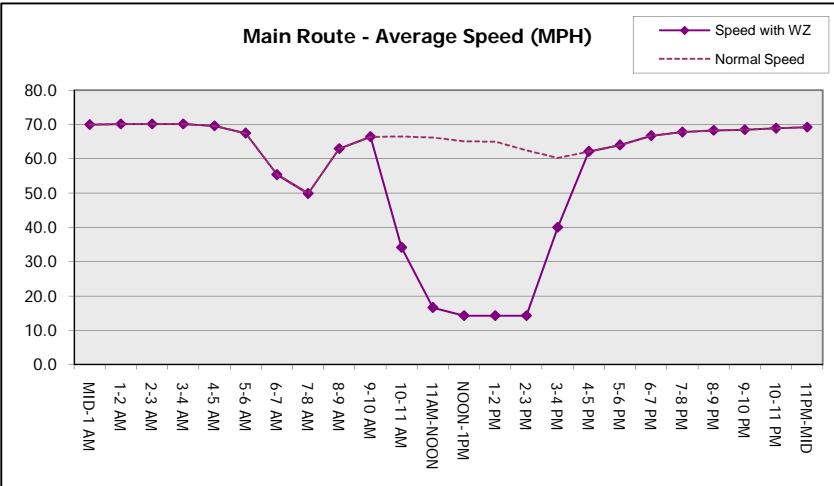
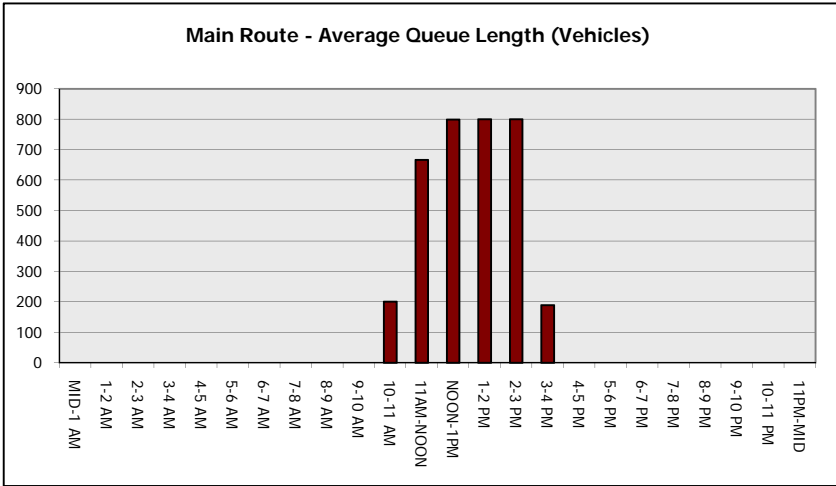
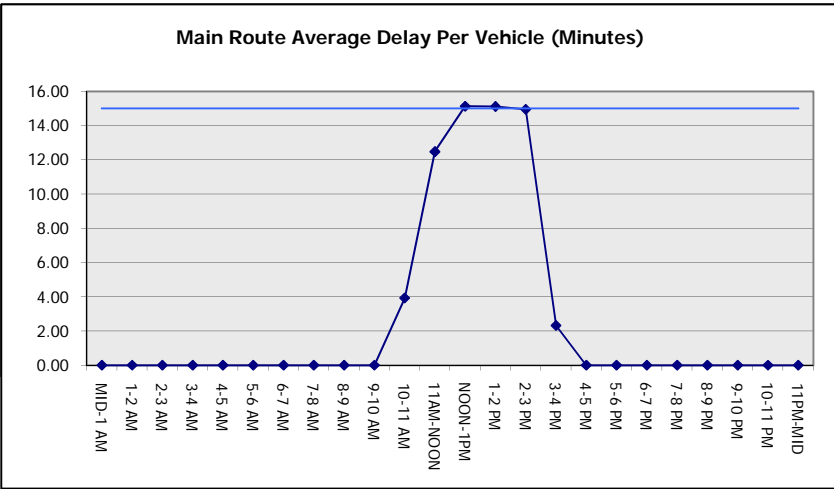
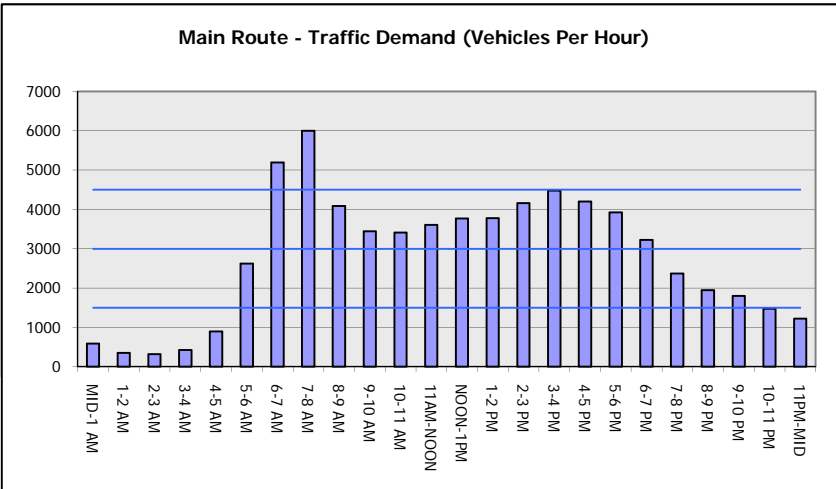
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0492
MAIN ROUTE WITH WORKS	0.0460
'DIVERSION'	0.0050
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$31,952
CONGESTED HOURS PER DAY*	4

*Delays Exceeding User-Specified Maximum

USH 41/45: CTH Q TO STH 145 (WAUKESHA AND MILWAUKEE COUNTIES)
OFF-PEAK DAY CLOSURE
NO DIVERSION ROUTE (MAX QUEUE METHOD)

AUGUST
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY SOUTHBOUND DIRECTION



USH 41/45: CTH Q TO STH 145 (WAUKESHA AND MILWAUKEE COUNTIES) OFF-PEAK DAY CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	AUGUST
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

FRIDAY 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	597	0.0	OFF	597	0	0.00	0	70.0	70.0	70.0
1-2 AM	401	0.0	OFF	401	0	0.00	0	70.2	70.2	70.2
2-3 AM	378	0.0	OFF	378	0	0.00	0	70.2	70.2	70.2
3-4 AM	339	0.0	OFF	339	0	0.00	0	70.2	70.2	70.2
4-5 AM	689	0.0	OFF	689	0	0.00	0	69.9	69.9	69.9
5-6 AM	1718	0.0	OFF	1718	0	0.00	0	68.6	68.6	68.6
6-7 AM	3010	0.0	OFF	3010	0	0.00	0	67.0	67.0	67.0
7-8 AM	3141	0.0	OFF	3141	0	0.00	0	66.8	66.8	66.8
8-9 AM	2923	0.0	OFF	2923	0	0.00	0	67.1	67.1	67.1
9-10 AM	2999	0.0	OFF	2999	0	0.00	0	67.0	67.0	67.0
10-11 AM	3346	0.0	2999	3346	0	3.01	145	66.6	38.6	37.3
11AM-NOON	3882	0.0	3000	3385	497	12.28+	669	64.3	16.6	37.3
NOON-1PM	4243	0.0	3000	3000	1243	14.90+	800	61.9	14.2	37.3
1-2 PM	4413	0.0	3000	3000	1413	14.82+	799	60.7	14.2	37.3
2-3 PM	5505	0.0	3000	3000	2505	14.18+	800	53.2	14.2	37.3
3-4 PM	6269	0.0	OFF	6269	0	8.45	865	48.0	19.4	19.4
4-5 PM	6829	0.0	OFF	6829	0	13.44	1414	44.2	14.0	14.0
5-6 PM	6337	0.0	OFF	6337	0	19.71	1997	47.6	10.8	10.8
6-7 PM	4357	0.0	OFF	4357	0	14.46	1344	61.1	14.5	14.5
7-8 PM	3055	0.0	OFF	3055	0	0.51	46	66.9	59.6	59.6
8-9 PM	2542	0.0	OFF	2542	0	0.00	0	67.6	67.6	67.6
9-10 PM	2337	0.0	OFF	2337	0	0.00	0	67.8	67.8	67.8
10-11 PM	2188	0.0	OFF	2188	0	0.00	0	68.0	68.0	68.0
11PM-MID	1460	0.0	OFF	1460	0	0.00	0	68.9	68.9	68.9

"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	0.0534
MAIN ROUTE WITH WORKS	0.0482
'DIVERSION'	0.0096

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$78,074
CONGESTED HOURS PER DAY*	4

*Delays Exceeding User-Specified Maximum

USH 41/45: CTH Q TO STH 145 (WAUKESHA AND MILWAUKEE COUNTIES)
OFF-PEAK DAY CLOSURE
NO DIVERSION ROUTE (MAX QUEUE METHOD)

AUGUST
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY NORTHBOUND DIRECTION

