

USH 41/45: CTH Q TO STH 145 (WAUKESHA AND MILWAUKEE COUNTIES) NIGHTTIME CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	MAY
	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	571	0.0	3000	571	0	0.36	0	70.0	64.2	49.7
1-2 AM	342	0.0	3000	342	0	0.36	0	70.2	64.3	49.7
2-3 AM	278	0.0	3000	278	0	0.36	0	70.2	64.3	49.7
3-4 AM	236	0.0	3000	236	0	0.36	0	70.2	64.3	49.7
4-5 AM	394	0.0	3000	394	0	0.36	0	70.2	64.3	49.7
5-6 AM	745	0.0	3000	745	0	0.35	0	69.8	64.0	49.7
6-7 AM	1212	0.0	3000	1212	0	0.35	0	69.2	63.7	49.7
7-8 AM	1652	0.0	3000	1652	0	0.34	0	68.7	63.3	49.7
8-9 AM	2193	0.0	OFF	2193	0	0.00	0	68.0	68.0	68.0
9-10 AM	2642	0.0	OFF	2642	0	0.00	0	67.4	67.4	67.4
10-11 AM	2847	0.0	OFF	2847	0	0.00	0	67.2	67.2	67.2
11AM-NOON	3167	0.0	OFF	3167	0	0.00	0	66.8	66.8	66.8
NOON-1PM	3271	0.0	OFF	3271	0	0.00	0	66.7	66.7	66.7
1-2 PM	3157	0.0	OFF	3157	0	0.00	0	66.8	66.8	66.8
2-3 PM	3446	0.0	OFF	3446	0	0.00	0	66.4	66.4	66.4
3-4 PM	3337	0.0	OFF	3337	0	0.00	0	66.6	66.6	66.6
4-5 PM	3317	0.0	OFF	3317	0	0.00	0	66.6	66.6	66.6
5-6 PM	2937	0.0	OFF	2937	0	0.00	0	67.1	67.1	67.1
6-7 PM	2510	0.0	3000	2510	0	0.41	0	67.6	61.5	46.6
7-8 PM	2103	0.0	3000	2103	0	0.33	0	68.1	63.0	49.7
8-9 PM	1818	0.0	3000	1818	0	0.34	0	68.5	63.2	49.7
9-10 PM	1741	0.0	3000	1741	0	0.34	0	68.6	63.2	49.7
10-11 PM	1327	0.0	3000	1327	0	0.35	0	69.1	63.6	49.7
11PM-MID	904	0.0	3000	904	0	0.35	0	69.6	63.9	49.7

"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

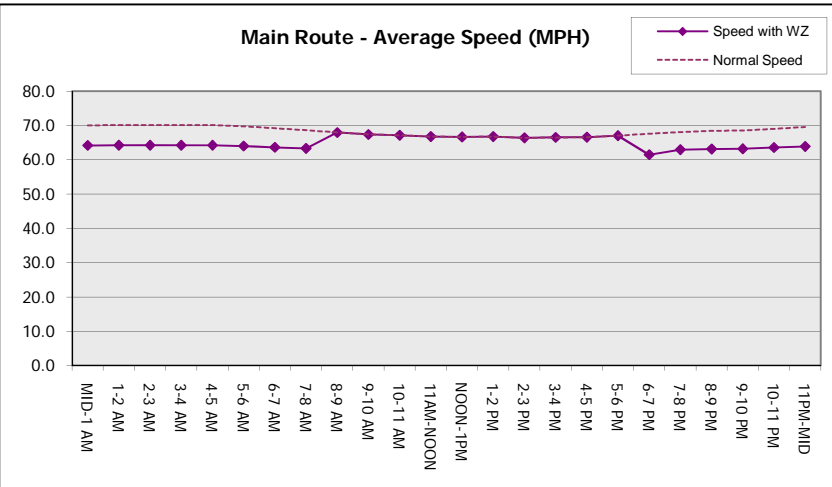
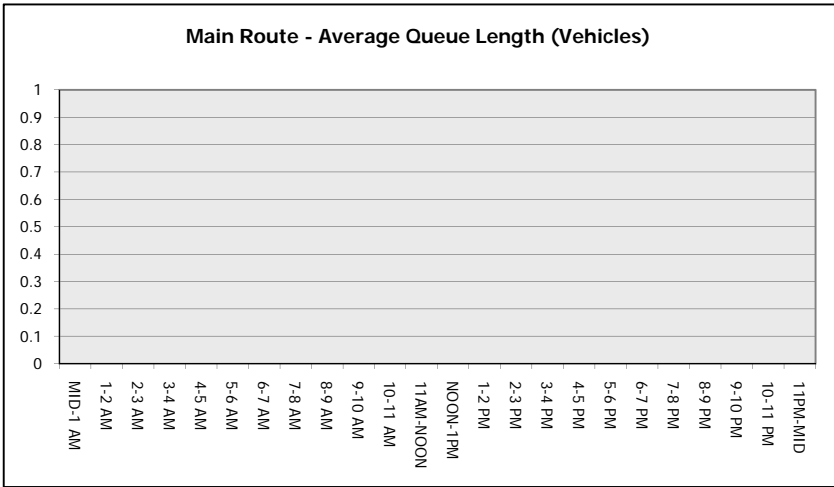
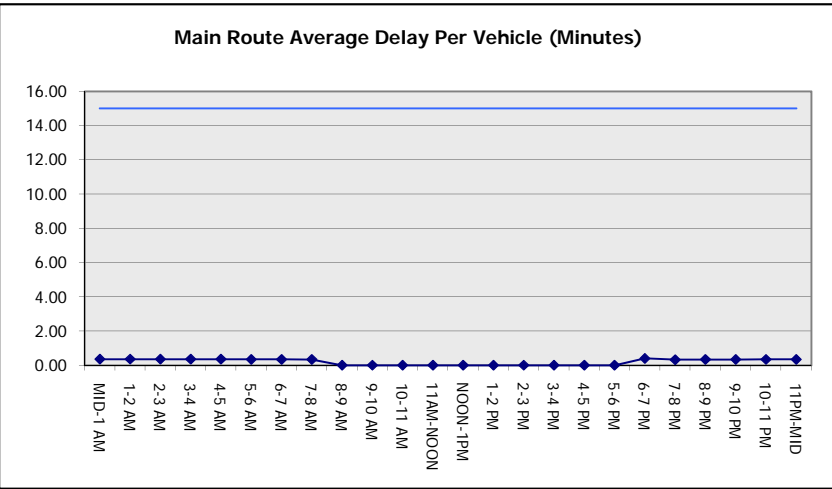
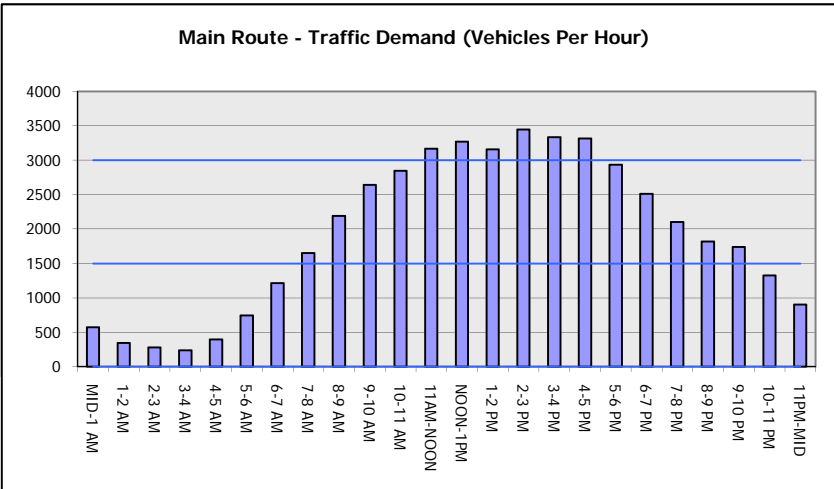
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0338
MAIN ROUTE WITH WORKS	0.0327
'DIVERSION'	0.0000
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$1,268
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SATURDAY SOUTHBOUND DIRECTION



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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	797	0.0	3000	797	0	0.35	0	69.7	64.0	49.7
1-2 AM	452	0.0	3000	452	0	0.36	0	70.2	64.3	49.7
2-3 AM	364	0.0	3000	364	0	0.36	0	70.2	64.3	49.7
3-4 AM	314	0.0	3000	314	0	0.36	0	70.2	64.3	49.7
4-5 AM	437	0.0	3000	437	0	0.36	0	70.2	64.3	49.7
5-6 AM	779	0.0	3000	779	0	0.35	0	69.7	64.0	49.7
6-7 AM	1419	0.0	3000	1419	0	0.34	0	69.0	63.5	49.7
7-8 AM	1964	0.0	3000	1964	0	0.34	0	68.3	63.0	49.7
8-9 AM	2452	0.0	OFF	2452	0	0.00	0	67.7	67.7	67.7
9-10 AM	2855	0.0	OFF	2855	0	0.00	0	67.2	67.2	67.2
10-11 AM	3263	0.0	OFF	3263	0	0.00	0	66.7	66.7	66.7
11AM-NOON	3436	0.0	OFF	3436	0	0.00	0	66.4	66.4	66.4
NOON-1PM	3517	0.0	OFF	3517	0	0.00	0	66.4	66.4	66.4
1-2 PM	3448	0.0	OFF	3448	0	0.00	0	66.4	66.4	66.4
2-3 PM	3361	0.0	OFF	3361	0	0.00	0	66.6	66.6	66.6
3-4 PM	3340	0.0	OFF	3340	0	0.00	0	66.6	66.6	66.6
4-5 PM	3269	0.0	OFF	3269	0	0.00	0	66.7	66.7	66.7
5-6 PM	2959	0.0	OFF	2959	0	0.00	0	67.1	67.1	67.1
6-7 PM	2408	0.0	3000	2408	0	0.34	0	67.8	62.5	49.1
7-8 PM	1979	0.0	3000	1979	0	0.33	0	68.2	63.0	49.7
8-9 PM	1826	0.0	3000	1826	0	0.34	0	68.4	63.2	49.7
9-10 PM	1934	0.0	3000	1934	0	0.34	0	68.3	63.1	49.7
10-11 PM	1389	0.0	3000	1389	0	0.34	0	69.0	63.5	49.7
11PM-MID	944	0.0	3000	944	0	0.35	0	69.6	63.9	49.7

"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	0.0358
MAIN ROUTE WITH WORKS	0.0347
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$1,313
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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SATURDAY NORTHBOUND DIRECTION

