

USH 41/45: CTH Q TO STH 145 (WAUKESHA AND MILWAUKEE COUNTIES) NIGHTTIME 2 LANE 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	1500	571	0	0.54	0	70.0	61.5	43.2	
1-2 AM	342	0.0	1500	342	0	0.51	0	70.2	62.0	44.1	
2-3 AM	278	0.0	1500	278	0	0.51	0	70.2	62.2	44.3	
3-4 AM	236	0.0	1500	236	0	0.50	0	70.2	62.2	44.5	
4-5 AM	394	0.0	1500	394	0	0.52	0	70.2	62.0	43.9	
5-6 AM	745	0.0	1500	745	0	0.56	0	69.8	61.2	42.6	
6-7 AM	1212	0.0	1499	1212	0	0.73	0	69.2	58.5	38.1	
7-8 AM	1652	0.0	1499	1652	0	2.51	45	68.7	42.2	30.8	
8-9 AM	2193	0.0	OFF	2193	0	0.04	3	68.0	67.3	67.3	
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	1499	1859	651	13.15+	326	67.6	16.0	33.5	
7-8 PM	2103	0.0	1499	1500	603	16.33+	399	68.1	13.5	30.8	
8-9 PM	1818	0.0	1500	1517	301	16.28+	398	68.5	13.6	30.8	
9-10 PM	1741	0.0	1499	1504	238	16.34+	399	68.6	13.5	30.8	
10-11 PM	1327	0.0	1500	1327	0	13.06	318	69.1	16.1	30.8	
11PM-MID	904	0.0	1500	904	0	1.59	42	69.6	49.7	41.3	

"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

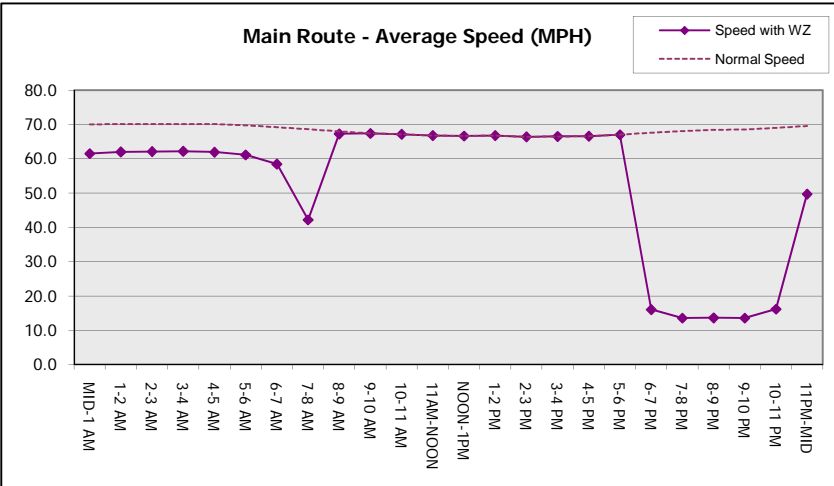
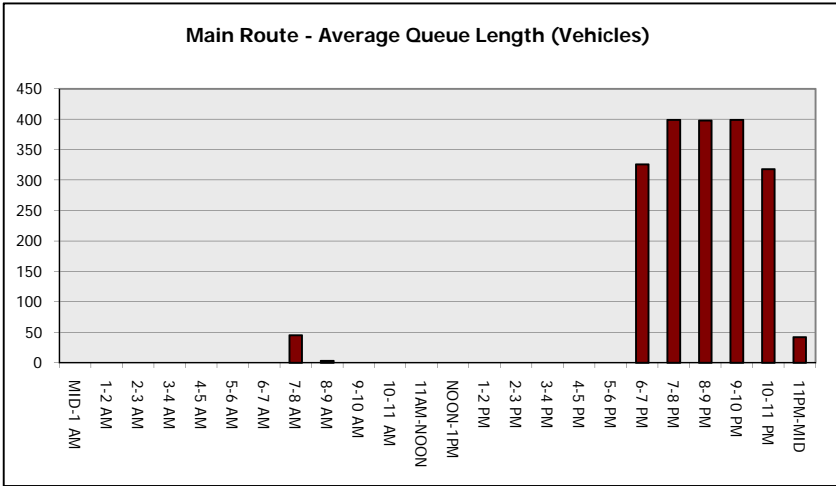
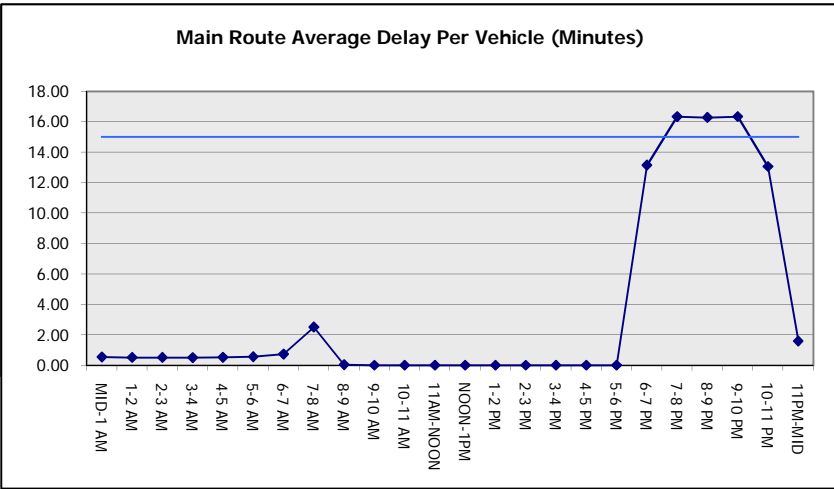
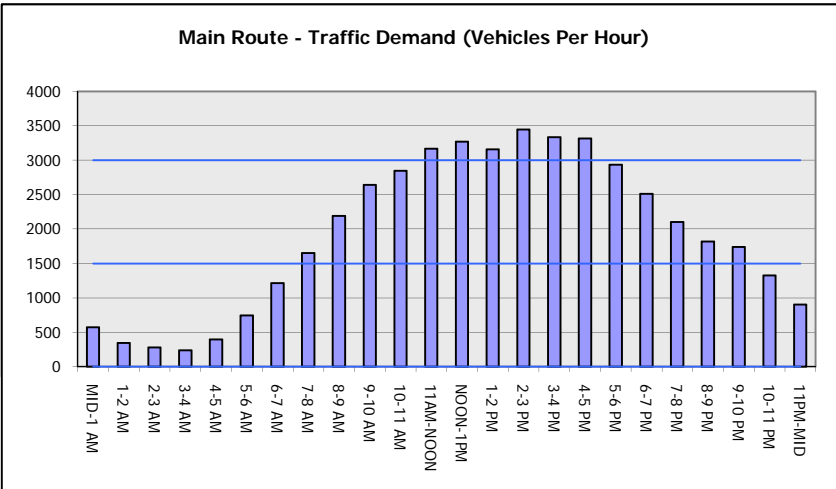
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0338
MAIN ROUTE WITH WORKS	0.0315
'DIVERSION'	0.0030
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$38,315
CONGESTED HOURS PER DAY*	4

*Delays Exceeding User-Specified Maximum

USH 41/45: CTH Q TO STH 145 (WAUKESHA AND MILWAUKEE COUNTIES)
NIGHTTIME 2 LANE CLOSURE
NO DIVERSION ROUTE (MAX QUEUE METHOD)

MAY
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SATURDAY SOUTHBOUND DIRECTION



USH 41/45: CTH Q TO STH 145 (WAUKESHA AND MILWAUKEE COUNTIES) NIGHTTIME 2 LANE CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	MAY
	Analyzed for 2009 Construction Season

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	1500	797	0	0.56	0	69.7	61.0	42.4
1-2 AM	452	0.0	1500	452	0	0.53	0	70.2	61.9	43.7
2-3 AM	364	0.0	1500	364	0	0.52	0	70.2	62.0	44.0
3-4 AM	314	0.0	1500	314	0	0.51	0	70.2	62.1	44.2
4-5 AM	437	0.0	1500	437	0	0.53	0	70.2	61.9	43.7
5-6 AM	779	0.0	1500	779	0	0.56	0	69.7	61.0	42.5
6-7 AM	1419	0.0	1499	1419	0	1.22	8	69.0	52.8	33.5
7-8 AM	1964	0.0	1500	1964	0	8.43+	233	68.3	22.1	30.8
8-9 AM	2452	0.0	OFF	2452	0	0.39	34	67.7	61.9	61.9
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	1499	1908	500	12.88+	320	67.8	16.3	32.0
7-8 PM	1979	0.0	1499	1500	479	16.34+	399	68.2	13.5	30.8
8-9 PM	1826	0.0	1500	1500	326	16.35+	400	68.4	13.5	30.8
9-10 PM	1934	0.0	1500	1500	434	16.35+	400	68.3	13.5	30.8
10-11 PM	1389	0.0	1499	1370	19	15.00+	366	69.0	14.5	30.8
11PM-MID	944	0.0	1499	944	0	2.40	79	69.6	43.3	39.7

"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	0.0358
MAIN ROUTE WITH WORKS	0.0335
'DIVERSION'	0.0030

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$42,951
CONGESTED HOURS PER DAY*	6

*Delays Exceeding User-Specified Maximum

USH 41/45: CTH Q TO STH 145 (WAUKESHA AND MILWAUKEE COUNTIES)
NIGHTTIME 2 LANE CLOSURE
NO DIVERSION ROUTE (MAX QUEUE METHOD)

MAY
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SATURDAY NORTHBOUND DIRECTION

