

USH 41/45: CTH Q TO STH 145 (WAUKESHA AND MILWAUKEE COUNTIES) CONTINUOUS (24 HOUR) 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	1500	1785	409	13.87+	347	68.0	15.4	30.8	
9-10 AM	2642	0.0	1499	1500	1142	16.29+	400	67.4	13.5	30.8	
10-11 AM	2847	0.0	1500	1500	1347	16.28+	399	67.2	13.5	30.8	
11AM-NOON	3167	0.0	1500	1500	1667	16.25+	400	66.8	13.5	30.8	
NOON-1PM	3271	0.0	1499	1500	1771	16.24+	399	66.7	13.5	30.8	
1-2 PM	3157	0.0	1499	1500	1657	16.25+	400	66.8	13.5	30.8	
2-3 PM	3446	0.0	1499	1500	1946	16.23+	400	66.4	13.5	30.8	
3-4 PM	3337	0.0	1499	1500	1837	16.24+	400	66.6	13.5	30.8	
4-5 PM	3317	0.0	1499	1500	1817	16.24+	400	66.6	13.5	30.8	
5-6 PM	2937	0.0	1500	1500	1437	16.27+	400	67.1	13.5	30.8	
6-7 PM	2510	0.0	1500	1500	1010	16.30+	400	67.6	13.5	30.8	
7-8 PM	2103	0.0	1500	1500	603	16.33+	400	68.1	13.5	30.8	
8-9 PM	1818	0.0	1499	1483	335	16.28+	398	68.5	13.6	30.8	
9-10 PM	1741	0.0	1499	1500	241	16.36+	399	68.6	13.5	30.8	
10-11 PM	1327	0.0	1499	1307	20	13.92+	341	69.1	15.4	30.8	
11PM-MID	904	0.0	1500	904	0	1.78	51	69.6	48.0	40.9	

+ 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

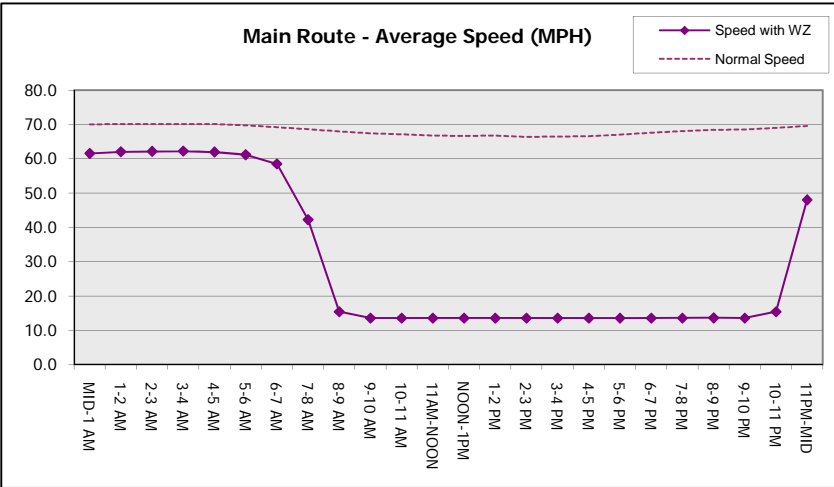
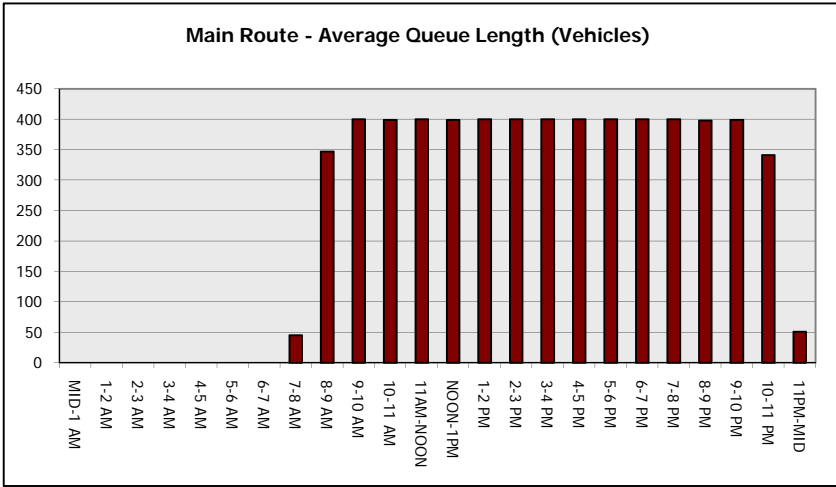
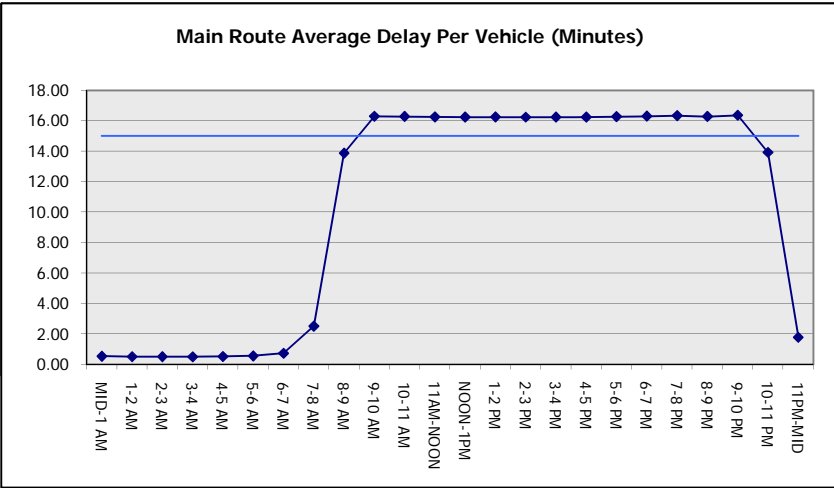
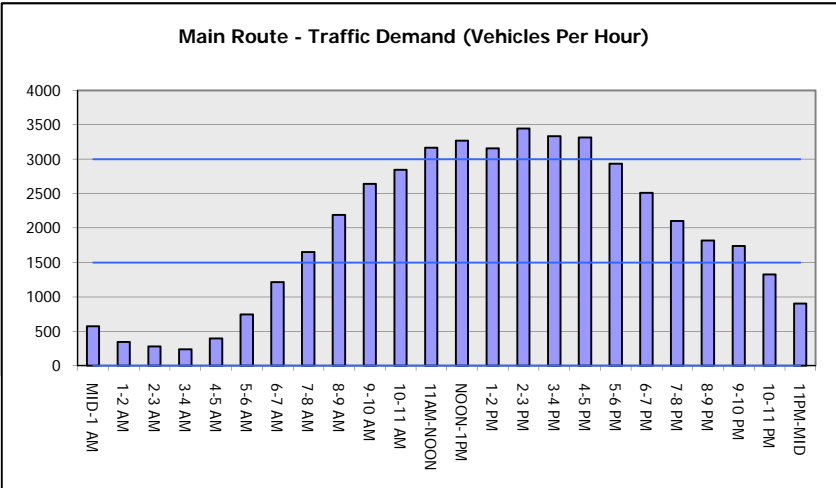
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0338
MAIN ROUTE WITH WORKS	0.0192
'DIVERSION'	0.0292
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$178,018
CONGESTED HOURS PER DAY*	15

*Delays Exceeding User-Specified Maximum

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MAY
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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	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	1500	1446	1005	16.09+	395	67.7	13.7	31.4	
9-10 AM	2855	0.0	1500	1500	1355	16.28+	400	67.2	13.5	30.8	
10-11 AM	3263	0.0	1500	1500	1763	16.25+	400	66.7	13.5	30.8	
11AM-NOON	3436	0.0	1500	1500	1936	16.23+	400	66.4	13.5	30.8	
NOON-1PM	3517	0.0	1500	1500	2017	16.23+	400	66.4	13.5	30.8	
1-2 PM	3448	0.0	1500	1500	1948	16.23+	400	66.4	13.5	30.8	
2-3 PM	3361	0.0	1500	1500	1861	16.24+	400	66.6	13.5	30.8	
3-4 PM	3340	0.0	1500	1500	1840	16.24+	400	66.6	13.5	30.8	
4-5 PM	3269	0.0	1500	1500	1769	16.24+	400	66.7	13.5	30.8	
5-6 PM	2959	0.0	1500	1500	1459	16.27+	400	67.1	13.5	30.8	
6-7 PM	2408	0.0	1500	1500	908	16.31+	400	67.8	13.5	30.8	
7-8 PM	1979	0.0	1500	1495	484	16.32+	399	68.2	13.5	30.8	
8-9 PM	1826	0.0	1499	1491	335	16.32+	399	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	1325	63	14.35+	350	69.0	15.0	30.8	
11PM-MID	944	0.0	1499	944	0	2.16	67	69.6	45.0	40.0	

+ INDICATES QUEUEING EXCEEDS USER-SPECIFIED MAXIMUM LIMIT

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

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

MAIN ROUTE WITHOUT WORKS	0.0358
MAIN ROUTE WITH WORKS	0.0198
'DIVERSION'	0.0325

PIA: Personal Injury Accidents

ROAD USER COSTS PER DAY	\$190,531
CONGESTED HOURS PER DAY*	16

*Delays Exceeding User-Specified Maximum

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