

USH 45: STH 145 TO CTH E (MILWAUKEE COUNTY) 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	518	0.0	1500	518	0	0.53	0	70.1	55.1	43.4	
1-2 AM	327	0.0	1500	327	0	0.51	0	70.2	55.6	44.2	
2-3 AM	275	0.0	1500	275	0	0.51	0	70.2	55.8	44.4	
3-4 AM	234	0.0	1500	234	0	0.50	0	70.2	55.9	44.5	
4-5 AM	363	0.0	1500	363	0	0.52	0	70.2	55.6	44.0	
5-6 AM	672	0.0	1500	672	0	0.55	0	69.9	54.6	42.8	
6-7 AM	1148	0.0	1499	1148	0	0.69	0	69.3	51.4	38.9	
7-8 AM	1672	0.0	1499	1672	0	2.45	49	68.7	30.9	30.8	
8-9 AM	2303	0.0	1500	1789	513	14.86+	371	67.9	8.6	31.3	
9-10 AM	2701	0.0	1499	1487	1214	16.67+	408	67.4	7.9	30.8	
10-11 AM	3003	0.0	1499	1487	1516	16.69+	409	67.0	7.9	30.8	
11AM-NOON	3296	0.0	1499	1498	1798	16.72+	410	66.6	7.9	30.8	
NOON-1PM	3382	0.0	1500	1500	1882	16.73+	411	66.5	7.9	30.8	
1-2 PM	3207	0.0	1499	1496	1711	16.72+	410	66.8	7.9	30.8	
2-3 PM	3317	0.0	1499	1500	1817	16.73+	411	66.6	7.9	30.8	
3-4 PM	3329	0.0	1500	1500	1829	16.73+	411	66.6	7.9	30.8	
4-5 PM	3206	0.0	1499	1497	1709	16.72+	410	66.8	7.9	30.8	
5-6 PM	2883	0.0	1499	1494	1390	16.67+	409	67.1	7.9	30.8	
6-7 PM	2434	0.0	1500	1499	935	16.61+	407	67.7	7.9	30.8	
7-8 PM	1928	0.0	1500	1500	429	16.62+	406	68.3	7.9	30.8	
8-9 PM	1633	0.0	1500	1495	138	16.61+	406	68.7	7.9	30.8	
9-10 PM	1520	0.0	1499	1479	41	16.54+	404	68.9	8.0	30.8	
10-11 PM	1202	0.0	1499	1202	0	10.26	264	69.2	11.4	32.4	
11PM-MID	835	0.0	1500	835	0	0.74	7	69.7	50.7	42.2	

+ 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

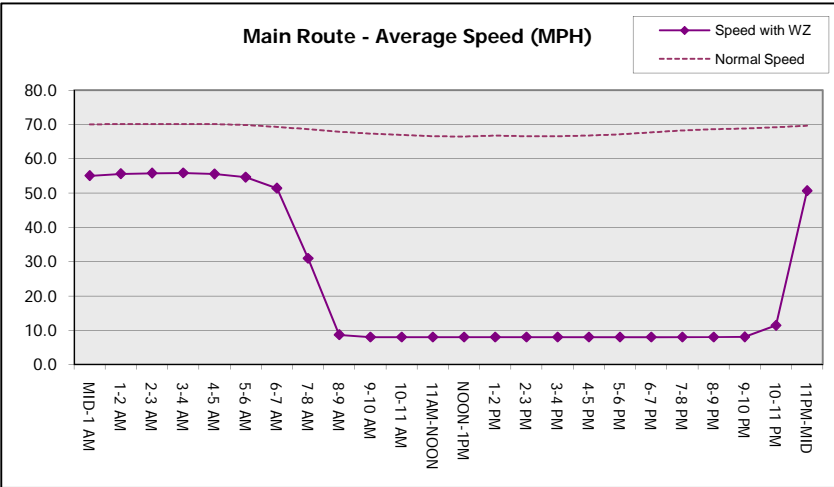
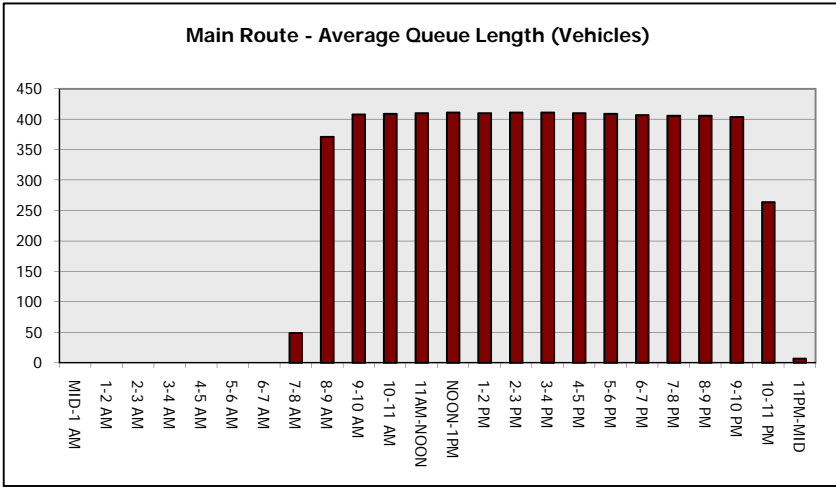
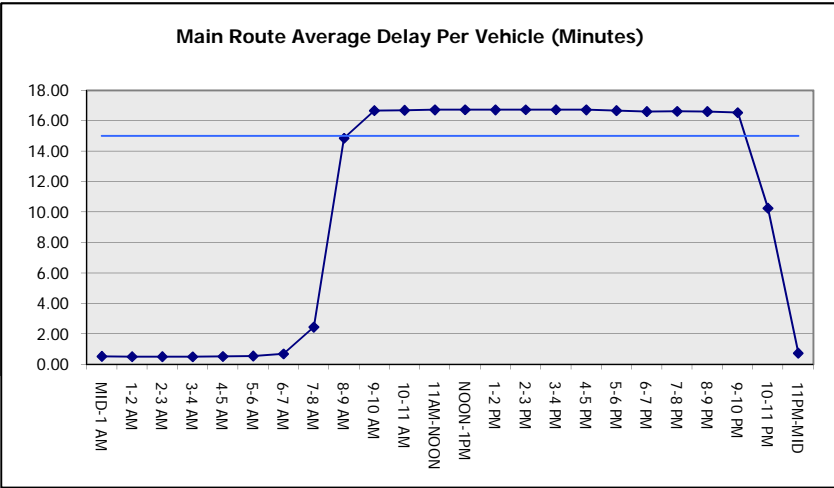
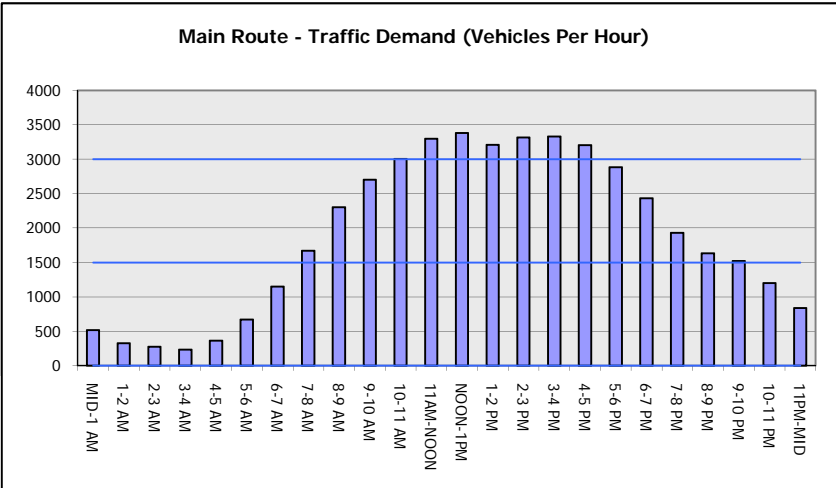
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0166
MAIN ROUTE WITH WORKS	0.0085
'DIVERSION'	0.0143
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$179,512
CONGESTED HOURS PER DAY*	14

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SATURDAY SOUTHBOUND DIRECTION



USH 45: STH 145 TO CTH E (MILWAUKEE COUNTY) CONTINUOUS (24 HOUR) 2 LANE CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	MAY
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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	816	0.0	1500	816	0	0.57	0	69.7	54.2	42.4
1-2 AM	495	0.0	1500	495	0	0.53	0	70.1	55.1	43.5
2-3 AM	406	0.0	1500	406	0	0.52	0	70.2	55.5	43.8
3-4 AM	344	0.0	1500	344	0	0.51	0	70.2	55.6	44.1
4-5 AM	411	0.0	1500	411	0	0.52	0	70.2	55.5	43.8
5-6 AM	734	0.0	1500	734	0	0.56	0	69.8	54.5	42.6
6-7 AM	1282	0.0	1499	1282	0	0.80	0	69.1	49.3	36.5
7-8 AM	1837	0.0	1499	1837	0	5.02	137	68.4	19.6	30.8
8-9 AM	2298	0.0	1499	1507	791	16.63+	407	67.9	7.9	30.9
9-10 AM	2623	0.0	1500	1514	1109	16.67+	408	67.5	7.9	30.8
10-11 AM	2973	0.0	1500	1515	1458	16.68+	409	67.1	7.9	30.8
11AM-NOON	3196	0.0	1500	1507	1689	16.70+	410	66.8	7.9	30.8
NOON-1PM	3294	0.0	1500	1503	1791	16.72+	410	66.6	7.9	30.8
1-2 PM	3321	0.0	1500	1502	1819	16.72+	410	66.6	7.9	30.8
2-3 PM	3278	0.0	1500	1502	1775	16.72+	410	66.6	7.9	30.8
3-4 PM	3309	0.0	1500	1501	1808	16.73+	411	66.6	7.9	30.8
4-5 PM	3155	0.0	1500	1505	1650	16.71+	410	66.8	7.9	30.8
5-6 PM	2864	0.0	1500	1506	1358	16.67+	409	67.2	7.9	30.8
6-7 PM	2374	0.0	1500	1500	873	16.61+	407	67.8	7.9	30.8
7-8 PM	1933	0.0	1500	1500	433	16.62+	406	68.3	7.9	30.8
8-9 PM	1805	0.0	1500	1500	304	16.62+	406	68.5	7.9	30.8
9-10 PM	1926	0.0	1500	1500	426	16.62+	406	68.3	7.9	30.8
10-11 PM	1445	0.0	1500	1418	27	15.68+	382	68.9	8.3	30.8
11PM-MID	1053	0.0	1499	1053	0	3.23	130	69.4	26.5	37.3

+ 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	0.0173
MAIN ROUTE WITH WORKS	0.0090
'DIVERSION'	0.0147

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$186,784
CONGESTED HOURS PER DAY*	15

*Delays Exceeding User-Specified Maximum

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