

USH 45: STH 145 TO CTH E (MILWAUKEE COUNTY) OFF-PEAK DAY 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	OFF	518	0	0.00	0	70.1	70.1	70.1	
1-2 AM	327	0.0	OFF	327	0	0.00	0	70.2	70.2	70.2	
2-3 AM	275	0.0	OFF	275	0	0.00	0	70.2	70.2	70.2	
3-4 AM	234	0.0	OFF	234	0	0.00	0	70.2	70.2	70.2	
4-5 AM	363	0.0	OFF	363	0	0.00	0	70.2	70.2	70.2	
5-6 AM	672	0.0	OFF	672	0	0.00	0	69.9	69.9	69.9	
6-7 AM	1148	0.0	OFF	1148	0	0.00	0	69.3	69.3	69.3	
7-8 AM	1672	0.0	OFF	1672	0	0.00	0	68.7	68.7	68.7	
8-9 AM	2303	0.0	1499	1842	460	10.73+	288	67.9	11.2	30.9	
9-10 AM	2701	0.0	1500	1515	1186	16.67+	409	67.4	7.9	30.8	
10-11 AM	3003	0.0	1500	1514	1489	16.68+	409	67.0	7.9	30.8	
11AM-NOON	3296	0.0	1500	1504	1792	16.71+	410	66.6	7.9	30.8	
NOON-1PM	3382	0.0	1500	1501	1880	16.72+	411	66.5	7.9	30.8	
1-2 PM	3207	0.0	1500	1506	1701	16.71+	410	66.8	7.9	30.8	
2-3 PM	3317	0.0	1500	1501	1815	16.72+	411	66.6	7.9	30.8	
3-4 PM	3329	0.0	1500	1501	1828	16.73+	411	66.6	7.9	30.8	
4-5 PM	3206	0.0	1500	1504	1702	16.72+	410	66.8	7.9	30.8	
5-6 PM	2883	0.0	1500	1507	1376	16.67+	409	67.1	7.9	30.8	
6-7 PM	2434	0.0	OFF	2434	0	0.24	22	67.7	60.7	60.7	
7-8 PM	1928	0.0	OFF	1928	0	0.00	0	68.3	68.3	68.3	
8-9 PM	1633	0.0	OFF	1633	0	0.00	0	68.7	68.7	68.7	
9-10 PM	1520	0.0	OFF	1520	0	0.00	0	68.9	68.9	68.9	
10-11 PM	1202	0.0	OFF	1202	0	0.00	0	69.2	69.2	69.2	
11PM-MID	835	0.0	OFF	835	0	0.00	0	69.7	69.7	69.7	

"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

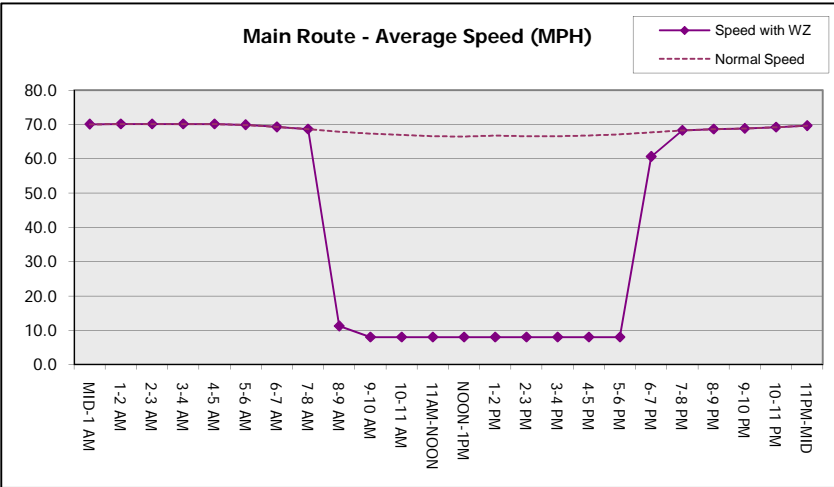
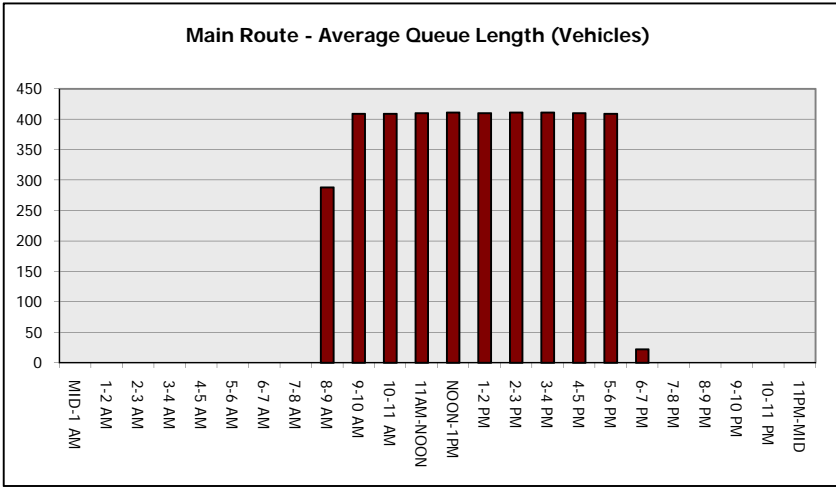
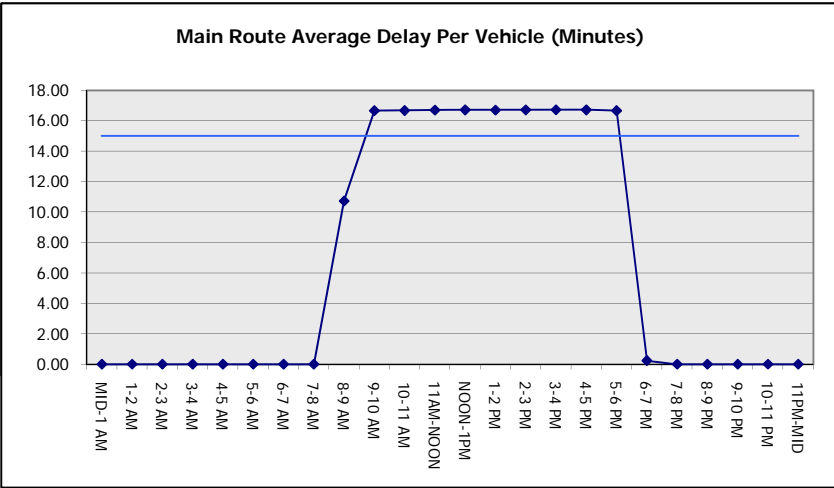
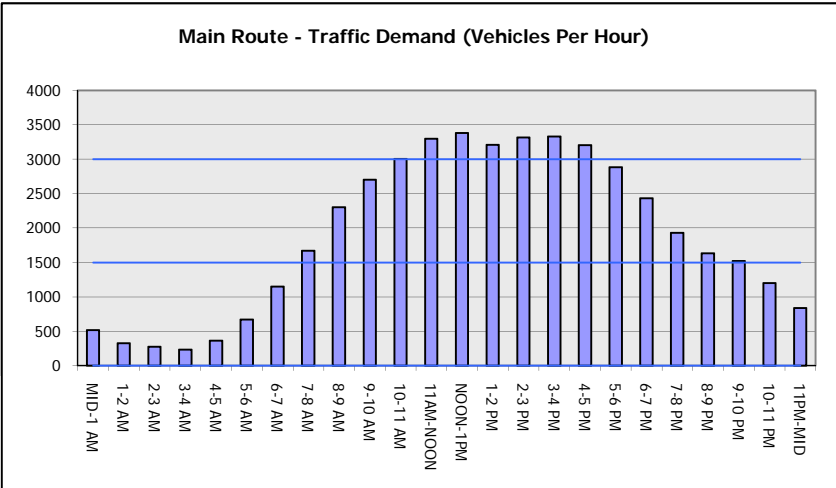
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0166
MAIN ROUTE WITH WORKS	0.0100
'DIVERSION'	0.0129
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$137,304
CONGESTED HOURS PER DAY*	10

*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	816	0.0	OFF	816	0	0.00	0	69.7	69.7	69.7
1-2 AM	495	0.0	OFF	495	0	0.00	0	70.1	70.1	70.1
2-3 AM	406	0.0	OFF	406	0	0.00	0	70.2	70.2	70.2
3-4 AM	344	0.0	OFF	344	0	0.00	0	70.2	70.2	70.2
4-5 AM	411	0.0	OFF	411	0	0.00	0	70.2	70.2	70.2
5-6 AM	734	0.0	OFF	734	0	0.00	0	69.8	69.8	69.8
6-7 AM	1282	0.0	OFF	1282	0	0.00	0	69.1	69.1	69.1
7-8 AM	1837	0.0	OFF	1837	0	0.00	0	68.4	68.4	68.4
8-9 AM	2298	0.0	1499	1853	444	10.93+	291	67.9	11.1	30.8
9-10 AM	2623	0.0	1500	1512	1111	16.66+	408	67.5	7.9	30.8
10-11 AM	2973	0.0	1500	1514	1459	16.68+	409	67.1	7.9	30.8
11AM-NOON	3196	0.0	1500	1506	1691	16.71+	410	66.8	7.9	30.8
NOON-1PM	3294	0.0	1500	1502	1792	16.72+	410	66.6	7.9	30.8
1-2 PM	3321	0.0	1500	1501	1820	16.73+	411	66.6	7.9	30.8
2-3 PM	3278	0.0	1500	1502	1776	16.72+	410	66.6	7.9	30.8
3-4 PM	3309	0.0	1500	1500	1809	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	OFF	2374	0	0.23	21	67.8	60.7	60.7
7-8 PM	1933	0.0	OFF	1933	0	0.00	0	68.3	68.3	68.3
8-9 PM	1805	0.0	OFF	1805	0	0.00	0	68.5	68.5	68.5
9-10 PM	1926	0.0	OFF	1926	0	0.00	0	68.3	68.3	68.3
10-11 PM	1445	0.0	OFF	1445	0	0.00	0	68.9	68.9	68.9
11PM-MID	1053	0.0	OFF	1053	0	0.00	0	69.4	69.4	69.4

"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	0.0173
MAIN ROUTE WITH WORKS	0.0108
'DIVERSION'	0.0126

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$135,977
CONGESTED HOURS PER DAY*	10

*Delays Exceeding User-Specified Maximum

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