

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

MON-THUR 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	345	0.0	OFF	345	0	0.00	0	70.2	70.2	70.2	
1-2 AM	223	0.0	OFF	223	0	0.00	0	70.2	70.2	70.2	
2-3 AM	224	0.0	OFF	224	0	0.00	0	70.2	70.2	70.2	
3-4 AM	348	0.0	OFF	348	0	0.00	0	70.2	70.2	70.2	
4-5 AM	695	0.0	OFF	695	0	0.00	0	69.9	69.9	69.9	
5-6 AM	2134	0.0	OFF	2134	0	0.00	0	68.1	68.1	68.1	
6-7 AM	4533	0.0	OFF	4533	0	0.00	0	59.9	59.9	59.9	
7-8 AM	5538	0.0	OFF	5538	0	0.00	0	53.0	53.0	53.0	
8-9 AM	4385	0.0	OFF	4385	0	0.00	0	60.9	60.9	60.9	
9-10 AM	3346	0.0	OFF	3346	0	0.00	0	66.6	66.6	66.6	
10-11 AM	3242	0.0	1499	1563	1678	16.89+	422	66.7	7.9	36.6	
11AM-NOON	3367	0.0	1499	1684	1684	14.71+	385	66.6	8.8	35.6	
NOON-1PM	3354	0.0	1499	1532	1821	16.38+	408	66.6	8.1	35.5	
1-2 PM	3366	0.0	1500	1517	1849	16.47+	409	66.6	8.0	34.3	
2-3 PM	3991	0.0	1500	1508	2483	16.43+	410	63.6	8.0	33.6	
3-4 PM	4463	0.0	OFF	4463	0	0.38	30	60.4	51.7	51.7	
4-5 PM	4386	0.0	OFF	4386	0	0.00	0	60.9	60.9	60.9	
5-6 PM	4262	0.0	OFF	4262	0	0.00	0	61.7	61.7	61.7	
6-7 PM	3096	0.0	OFF	3096	0	0.00	0	66.9	66.9	66.9	
7-8 PM	2104	0.0	OFF	2104	0	0.00	0	68.1	68.1	68.1	
8-9 PM	1746	0.0	OFF	1746	0	0.00	0	68.6	68.6	68.6	
9-10 PM	1452	0.0	OFF	1452	0	0.00	0	68.9	68.9	68.9	
10-11 PM	1053	0.0	OFF	1053	0	0.00	0	69.4	69.4	69.4	
11PM-MID	875	0.0	OFF	875	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

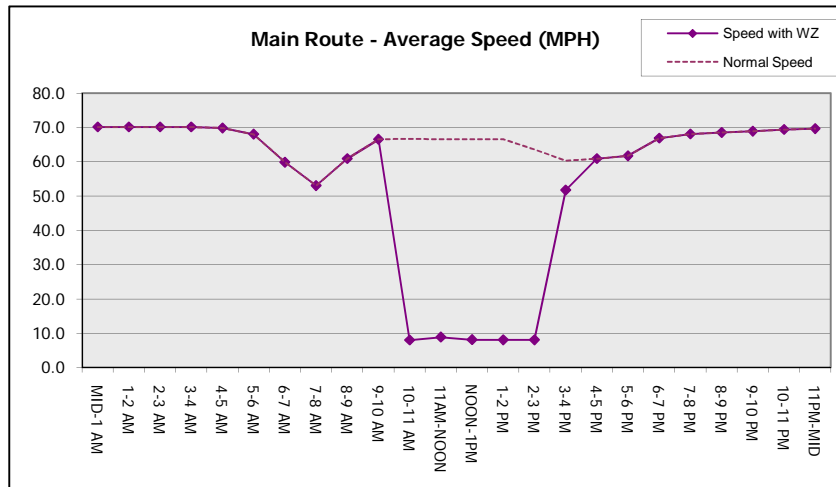
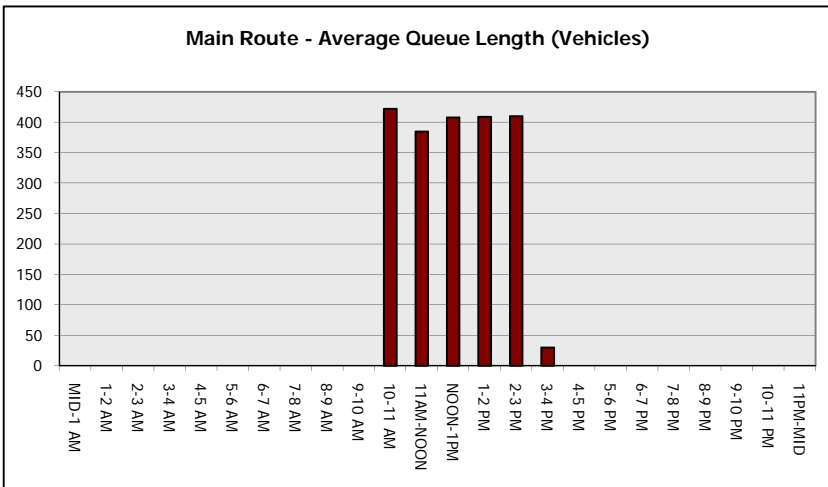
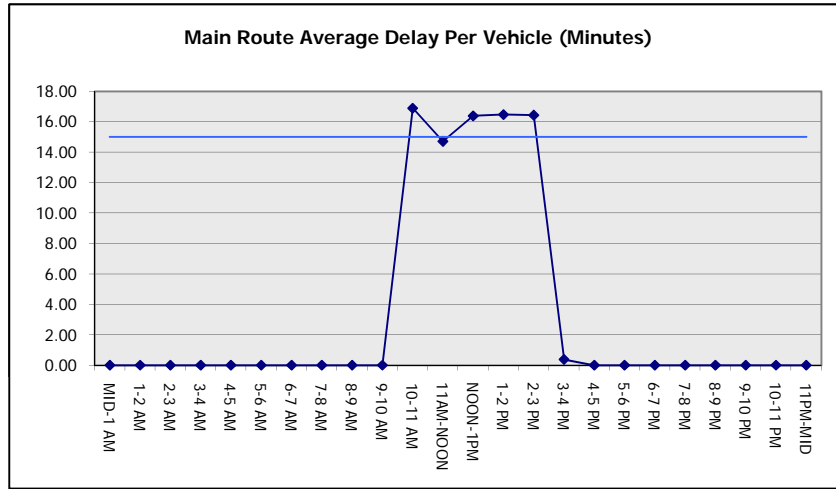
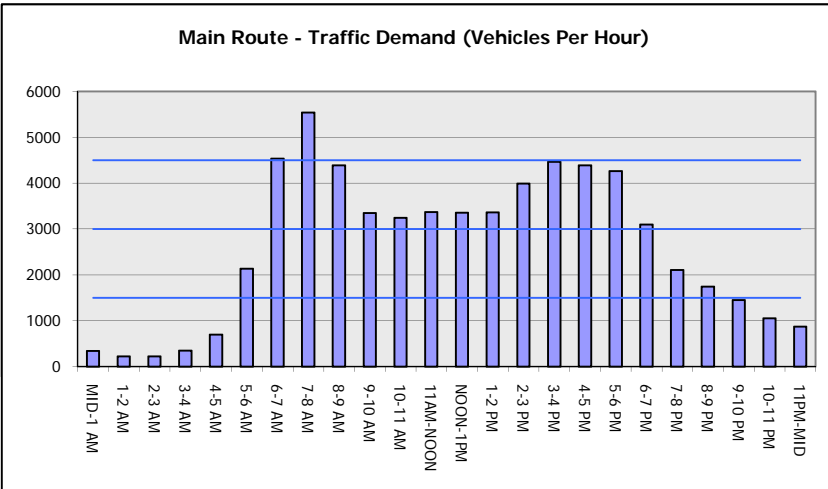
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0229
MAIN ROUTE WITH WORKS	0.0189
'DIVERSION'	0.0081
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$61,353
CONGESTED HOURS PER DAY*	5

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
MON-THUR SOUTHBOUND DIRECTION



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SUMMARY OF TRAFFIC MODEL OUTPUT

MON-THUR 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	431	0.0	OFF	431	0	0.00	0	70.2	70.2	70.2
1-2 AM	291	0.0	OFF	291	0	0.00	0	70.2	70.2	70.2
2-3 AM	254	0.0	OFF	254	0	0.00	0	70.2	70.2	70.2
3-4 AM	314	0.0	OFF	314	0	0.00	0	70.2	70.2	70.2
4-5 AM	608	0.0	OFF	608	0	0.00	0	70.0	70.0	70.0
5-6 AM	1935	0.0	OFF	1935	0	0.00	0	68.3	68.3	68.3
6-7 AM	3702	0.0	OFF	3702	0	0.00	0	65.6	65.6	65.6
7-8 AM	4603	0.0	OFF	4603	0	0.00	0	59.4	59.4	59.4
8-9 AM	3959	0.0	OFF	3959	0	0.00	0	63.8	63.8	63.8
9-10 AM	2933	0.0	OFF	2933	0	0.00	0	67.1	67.1	67.1
10-11 AM	2811	0.0	1499	1762	1049	14.18+	354	67.3	8.8	35.4
11AM-NOON	3038	0.0	1499	1546	1492	16.44+	407	66.9	8.0	33.2
NOON-1PM	3216	0.0	1500	1516	1699	16.58+	409	66.8	7.9	32.3
1-2 PM	3441	0.0	1500	1512	1929	16.63+	409	66.4	7.9	31.4
2-3 PM	4213	0.0	1499	1500	2713	16.53+	411	62.1	7.9	31.4
3-4 PM	5022	0.0	OFF	5022	0	0.68	58	56.6	44.2	44.2
4-5 PM	5640	0.0	OFF	5640	0	0.00	0	52.4	52.4	52.4
5-6 PM	5573	0.0	OFF	5573	0	0.00	0	52.8	52.8	52.8
6-7 PM	3441	0.0	OFF	3441	0	0.00	0	66.4	66.4	66.4
7-8 PM	2353	0.0	OFF	2353	0	0.00	0	67.8	67.8	67.8
8-9 PM	2053	0.0	OFF	2053	0	0.00	0	68.2	68.2	68.2
9-10 PM	1853	0.0	OFF	1853	0	0.00	0	68.4	68.4	68.4
10-11 PM	1520	0.0	OFF	1520	0	0.00	0	68.9	68.9	68.9
11PM-MID	852	0.0	OFF	852	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

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	0.0234
MAIN ROUTE WITH WORKS	0.0197
'DIVERSION'	0.0075

PIA: Personal Injury Accidents

ROAD USER COSTS PER DAY	\$59,498
CONGESTED HOURS PER DAY*	5

*Delays Exceeding User-Specified Maximum

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