

USH 45: STH 145 TO CTH E (MILWAUKEE COUNTY) OFF-PEAK DAY 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	3000	2303	0	0.33	0	67.9	58.4	49.7	
9-10 AM	2701	0.0	2999	2701	0	0.53	0	67.4	53.5	42.5	
10-11 AM	3003	0.0	2999	3003	0	0.87	9	67.0	47.2	37.8	
11AM-NOON	3296	0.0	3000	3296	0	3.57	174	66.6	24.5	37.3	
NOON-1PM	3382	0.0	3000	3382	0	10.11	528	66.5	13.1	37.3	
1-2 PM	3207	0.0	2999	3164	43	15.51+	816	66.8	10.9	37.3	
2-3 PM	3317	0.0	2999	3000	317	16.68+	880	66.6	10.6	37.3	
3-4 PM	3329	0.0	3000	3000	329	16.68+	880	66.6	10.6	37.3	
4-5 PM	3206	0.0	3000	3000	206	16.67+	879	66.8	10.6	37.3	
5-6 PM	2883	0.0	2999	2883	0	16.06+	845	67.1	10.7	37.3	
6-7 PM	2434	0.0	OFF	2434	0	0.85	81	67.7	47.9	47.9	
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

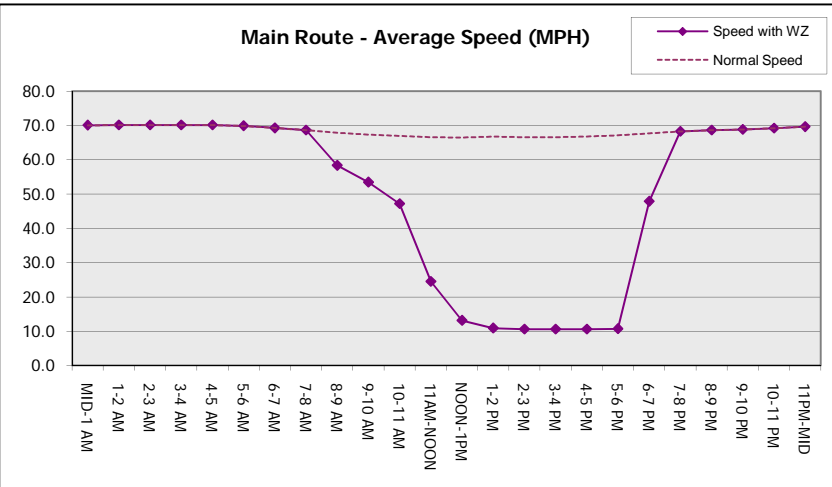
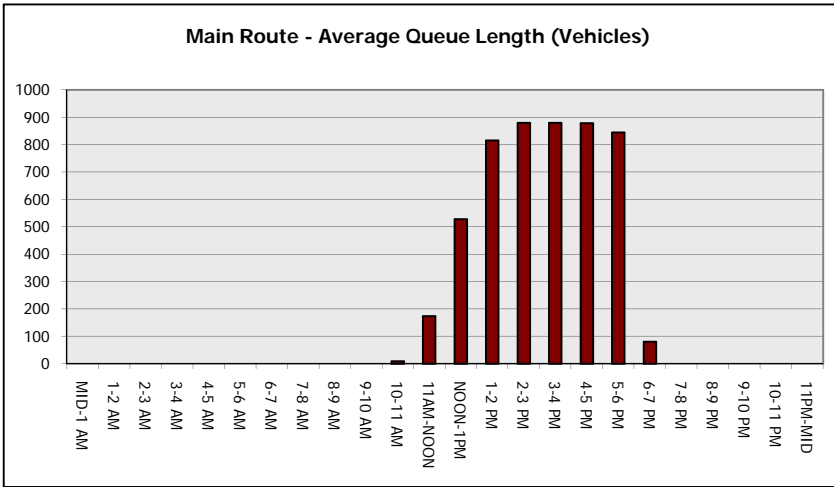
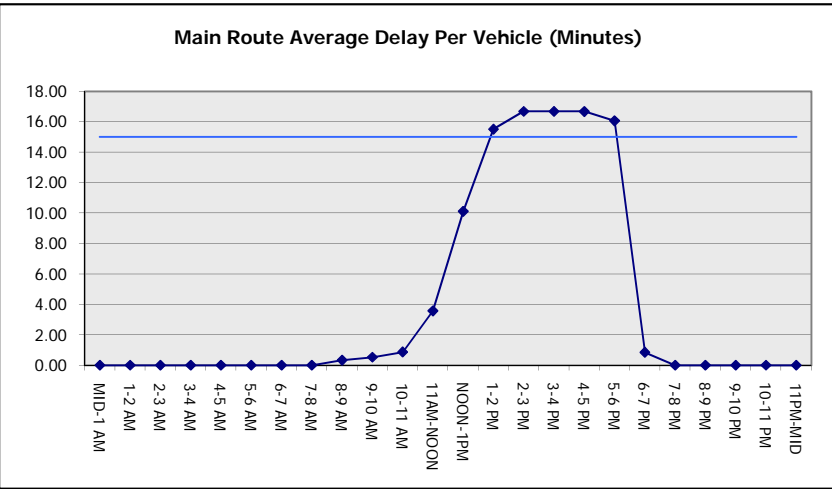
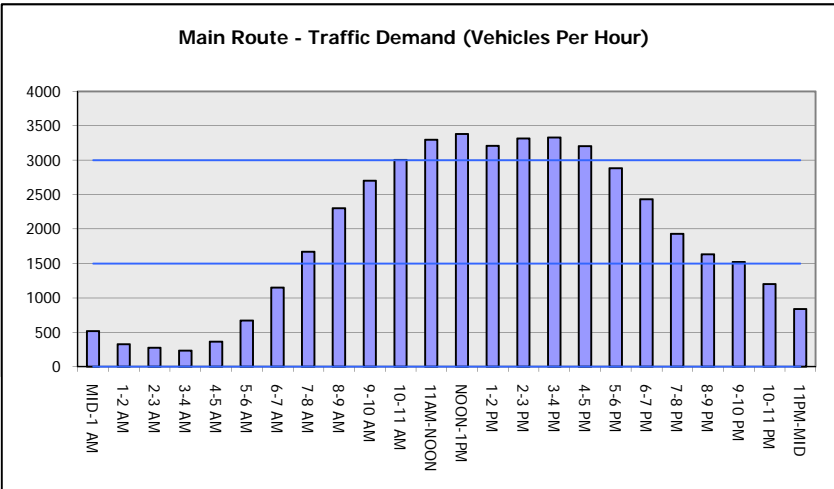
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0166
MAIN ROUTE WITH WORKS	0.0143
'DIVERSION'	0.0008
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$84,279
CONGESTED HOURS PER DAY*	5

*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	3000	2298	0	0.33	0	67.9	58.4	49.7
9-10 AM	2623	0.0	2999	2623	0	0.48	0	67.5	54.6	44.1
10-11 AM	2973	0.0	2999	2973	0	0.79	5	67.1	48.4	38.0
11AM-NOON	3196	0.0	3000	3196	0	2.55	110	66.8	29.9	37.3
NOON-1PM	3294	0.0	3000	3294	0	7.10	361	66.6	15.6	37.3
1-2 PM	3321	0.0	3000	3321	0	12.84+	673	66.6	11.7	37.3
2-3 PM	3278	0.0	2999	3026	251	16.64+	877	66.6	10.6	37.3
3-4 PM	3309	0.0	3000	3009	301	16.68+	879	66.6	10.6	37.3
4-5 PM	3155	0.0	3000	3004	151	16.66+	878	66.8	10.6	37.3
5-6 PM	2864	0.0	3000	2864	0	15.76+	828	67.2	10.7	37.3
6-7 PM	2374	0.0	OFF	2374	0	0.78	74	67.8	49.1	49.1
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	0.0150
'DIVERSION'	0.0006

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$77,460
CONGESTED HOURS PER DAY*	5

*Delays Exceeding User-Specified Maximum

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