

USH 45: STH 145 TO CTH E (MILWAUKEE COUNTY) CONTINUOUS (24 HOUR) 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	3000	518	0	0.36	0	70.1	59.3	49.7
1-2 AM	327	0.0	3000	327	0	0.36	0	70.2	59.3	49.7
2-3 AM	275	0.0	3000	275	0	0.36	0	70.2	59.3	49.7
3-4 AM	234	0.0	3000	234	0	0.36	0	70.2	59.3	49.7
4-5 AM	363	0.0	3000	363	0	0.36	0	70.2	59.3	49.7
5-6 AM	672	0.0	3000	672	0	0.36	0	69.9	59.2	49.7
6-7 AM	1148	0.0	3000	1148	0	0.35	0	69.3	59.0	49.7
7-8 AM	1672	0.0	3000	1672	0	0.34	0	68.7	58.7	49.7
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	2999	2434	0	9.42	509	67.7	13.8	39.1
7-8 PM	1928	0.0	3000	1928	0	0.55	20	68.3	53.7	49.7
8-9 PM	1633	0.0	3000	1633	0	0.34	0	68.7	58.7	49.7
9-10 PM	1520	0.0	3000	1520	0	0.34	0	68.9	58.8	49.7
10-11 PM	1202	0.0	3000	1202	0	0.35	0	69.2	58.9	49.7
11PM-MID	835	0.0	3000	835	0	0.35	0	69.7	59.1	49.7

+ 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

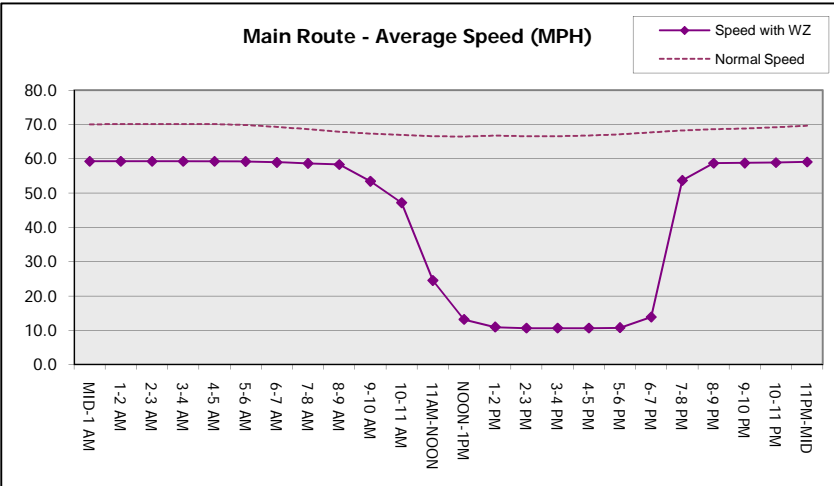
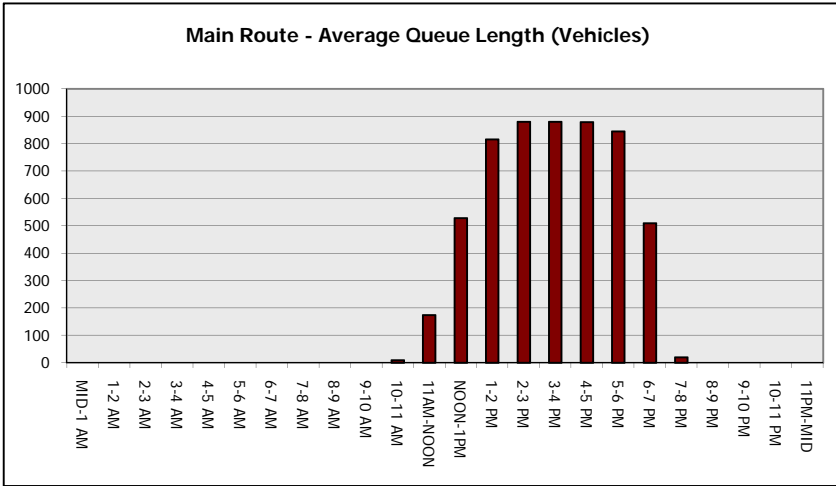
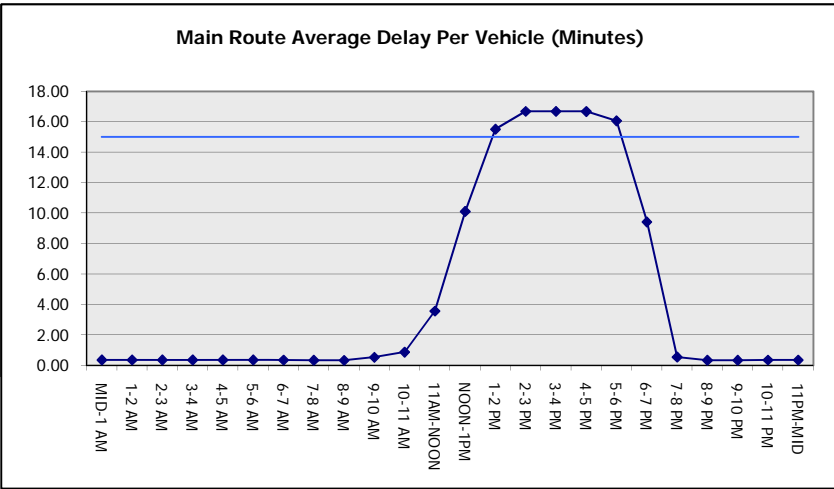
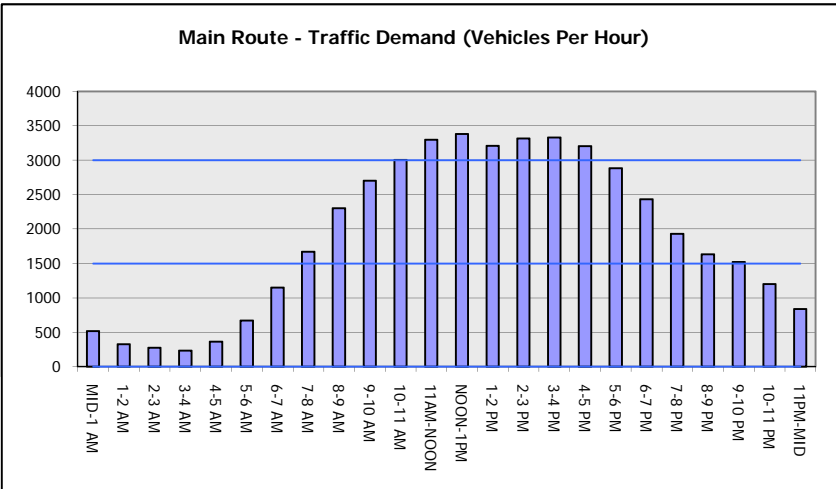
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0166
MAIN ROUTE WITH WORKS	0.0133
'DIVERSION'	0.0008
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$94,467
CONGESTED HOURS PER DAY*	5

*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	3000	816	0	0.35	0	69.7	59.1	49.7
1-2 AM	495	0.0	3000	495	0	0.36	0	70.1	59.3	49.7
2-3 AM	406	0.0	3000	406	0	0.36	0	70.2	59.3	49.7
3-4 AM	344	0.0	3000	344	0	0.36	0	70.2	59.3	49.7
4-5 AM	411	0.0	3000	411	0	0.36	0	70.2	59.3	49.7
5-6 AM	734	0.0	3000	734	0	0.35	0	69.8	59.2	49.7
6-7 AM	1282	0.0	3000	1282	0	0.35	0	69.1	58.9	49.7
7-8 AM	1837	0.0	3000	1837	0	0.34	0	68.4	58.6	49.7
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	2999	2374	0	8.03	452	67.8	15.3	40.3
7-8 PM	1933	0.0	3000	1933	0	0.41	6	68.3	56.8	49.7
8-9 PM	1805	0.0	3000	1805	0	0.34	0	68.5	58.6	49.7
9-10 PM	1926	0.0	3000	1926	0	0.34	0	68.3	58.6	49.7
10-11 PM	1445	0.0	3000	1445	0	0.34	0	68.9	58.8	49.7
11PM-MID	1053	0.0	3000	1053	0	0.35	0	69.4	59.1	49.7

+ 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	0.0139
'DIVERSION'	0.0006

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$86,510
CONGESTED HOURS PER DAY*	5

*Delays Exceeding User-Specified Maximum

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