

USH 45: CTH E TO STH 190 (MILWAUKEE COUNTY) NIGHTTIME 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	491	0.0	3000	491	0	0.36	0	70.1	57.4	49.7
1-2 AM	538	0.0	3000	538	0	0.36	0	70.0	57.4	49.7
2-3 AM	855	0.0	3000	855	0	0.35	0	69.7	57.3	49.7
3-4 AM	1350	0.0	3000	1350	0	0.35	0	69.1	57.1	49.7
4-5 AM	1854	0.0	3000	1854	0	0.34	0	68.4	56.9	49.7
5-6 AM	2497	0.0	2999	2497	0	0.41	0	67.6	54.3	46.6
6-7 AM	3094	0.0	2999	3094	0	1.14	29	66.9	40.1	37.6
7-8 AM	3628	0.0	3000	3628	0	7.22	396	66.1	14.8	37.3
8-9 AM	4231	0.0	OFF	4231	0	1.74	157	62.0	31.9	31.9
9-10 AM	4429	0.0	OFF	4429	0	0.00	0	60.6	60.6	60.6
10-11 AM	4552	0.0	OFF	4552	0	0.00	0	59.7	59.7	59.7
11AM-NOON	4671	0.0	OFF	4671	0	0.00	0	58.9	58.9	58.9
NOON-1PM	4753	0.0	OFF	4753	0	0.00	0	58.4	58.4	58.4
1-2 PM	4507	0.0	OFF	4507	0	0.00	0	60.1	60.1	60.1
2-3 PM	4071	0.0	OFF	4071	0	0.00	0	63.0	63.0	63.0
3-4 PM	3626	0.0	OFF	3626	0	0.00	0	66.1	66.1	66.1
4-5 PM	3057	0.0	OFF	3057	0	0.00	0	66.9	66.9	66.9
5-6 PM	2711	0.0	OFF	2711	0	0.00	0	67.4	67.4	67.4
6-7 PM	2484	0.0	3000	2484	0	0.39	0	67.6	54.9	47.2
7-8 PM	1956	0.0	3000	1956	0	0.34	0	68.3	56.9	49.7
8-9 PM	1441	0.0	3000	1441	0	0.34	0	68.9	57.1	49.7
9-10 PM	1155	0.0	3000	1155	0	0.35	0	69.3	57.2	49.7
10-11 PM	923	0.0	3000	923	0	0.35	0	69.6	57.3	49.7
11PM-MID	671	0.0	3000	671	0	0.36	0	69.9	57.4	49.7

"OFF" INDICATES NO ROAD WORK (ALL LANES OPEN TO TRAFFIC)

----- 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

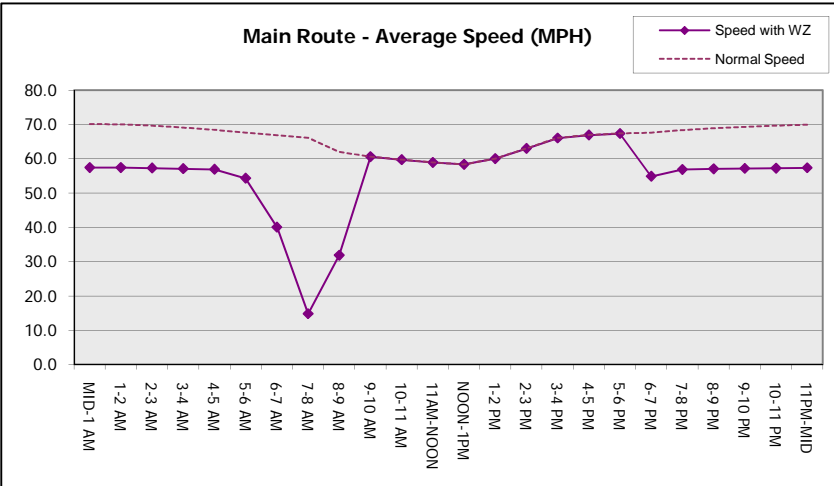
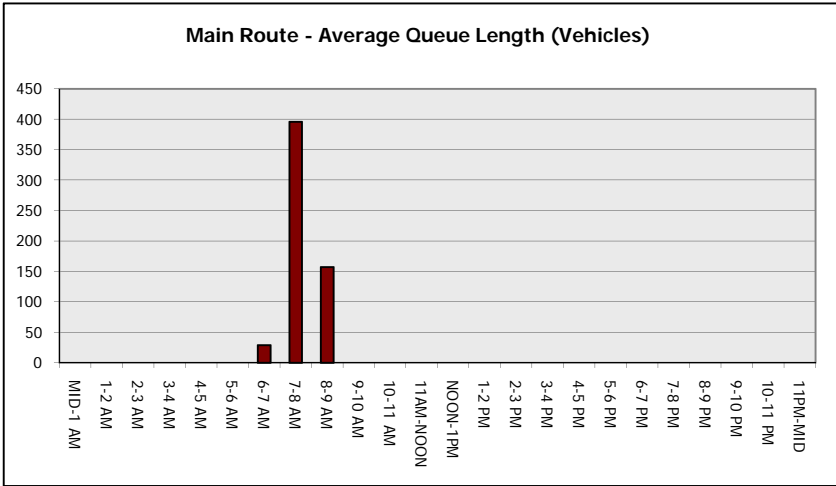
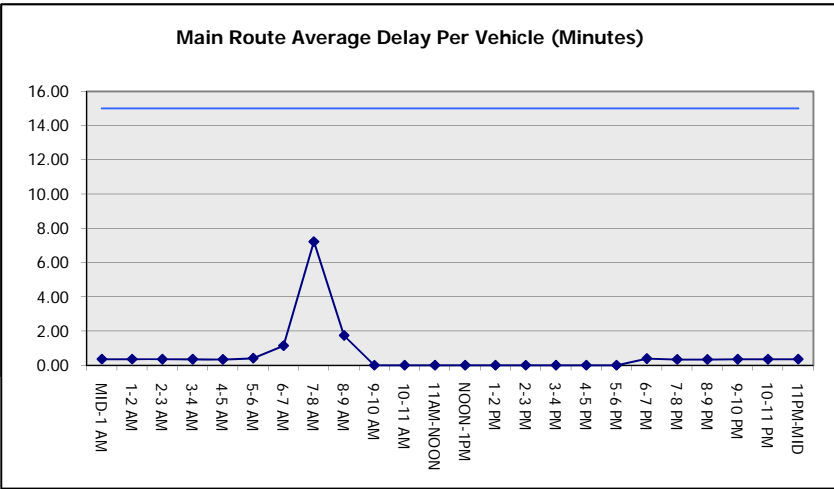
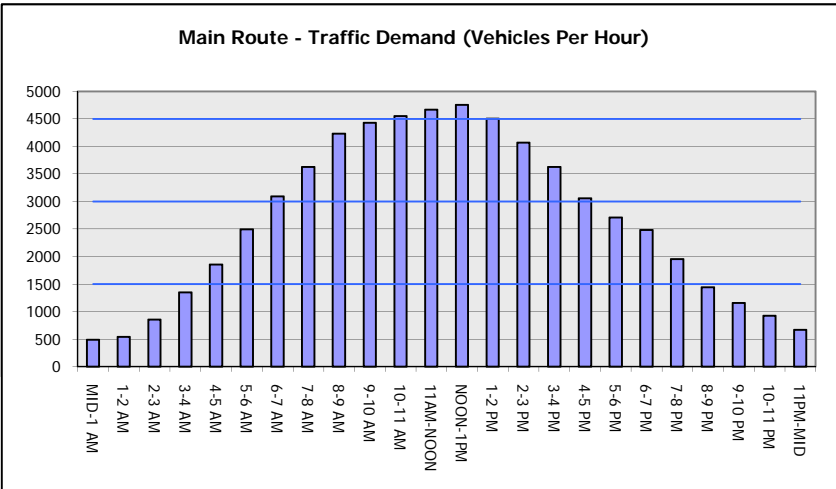
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0192
MAIN ROUTE WITH WORKS	0.0177
'DIVERSION'	0.0000
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$8,883
CONGESTED HOURS PER DAY*	0

*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	1443	0.0	3000	1443	0	0.34	0	68.9	57.1	49.7
1-2 AM	1479	0.0	3000	1479	0	0.34	0	68.9	57.1	49.7
2-3 AM	1862	0.0	3000	1862	0	0.34	0	68.4	56.9	49.7
3-4 AM	2165	0.0	3000	2165	0	0.33	0	68.1	56.8	49.7
4-5 AM	2705	0.0	2999	2705	0	0.53	0	67.4	51.2	42.4
5-6 AM	2983	0.0	2999	2983	0	0.87	11	67.0	44.3	38.3
6-7 AM	3590	0.0	3000	3590	0	5.51	307	66.3	17.3	37.3
7-8 AM	4076	0.0	2999	3275	801	16.41+	876	63.0	10.1	37.3
8-9 AM	4360	0.0	OFF	4360	0	2.74	253	61.0	24.7	24.7
9-10 AM	4539	0.0	OFF	4539	0	0.00	0	59.9	59.9	59.9
10-11 AM	4582	0.0	OFF	4582	0	0.00	0	59.6	59.6	59.6
11AM-NOON	4737	0.0	OFF	4737	0	0.00	0	58.5	58.5	58.5
NOON-1PM	4829	0.0	OFF	4829	0	0.00	0	57.9	57.9	57.9
1-2 PM	4676	0.0	OFF	4676	0	0.00	0	58.9	58.9	58.9
2-3 PM	4457	0.0	OFF	4457	0	0.00	0	60.4	60.4	60.4
3-4 PM	4046	0.0	OFF	4046	0	0.00	0	63.2	63.2	63.2
4-5 PM	3543	0.0	OFF	3543	0	0.00	0	66.3	66.3	66.3
5-6 PM	3551	0.0	OFF	3551	0	0.00	0	66.3	66.3	66.3
6-7 PM	3516	0.0	2999	3516	0	5.02	272	66.4	18.2	37.3
7-8 PM	3099	0.0	2999	3099	0	11.59	599	66.9	11.6	37.3
8-9 PM	2436	0.0	2999	2436	0	6.42	363	67.7	16.0	40.4
9-10 PM	2127	0.0	3000	2127	0	0.36	1	68.1	56.1	49.7
10-11 PM	1867	0.0	3000	1867	0	0.34	0	68.4	56.9	49.7
11PM-MID	1672	0.0	3000	1672	0	0.34	0	68.7	57.0	49.7

"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	0.0237
MAIN ROUTE WITH WORKS	0.0212
'DIVERSION'	0.0006

PIA: Personal Injury Accidents

ROAD USER COSTS PER DAY	\$36,414
CONGESTED HOURS PER DAY*	1

*Delays Exceeding User-Specified Maximum

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