

USH 45: CTH E TO STH 190 (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	491	0.0	OFF	491	0	0.00	0	70.1	70.1	70.1	
1-2 AM	538	0.0	OFF	538	0	0.00	0	70.0	70.0	70.0	
2-3 AM	855	0.0	OFF	855	0	0.00	0	69.7	69.7	69.7	
3-4 AM	1350	0.0	OFF	1350	0	0.00	0	69.1	69.1	69.1	
4-5 AM	1854	0.0	OFF	1854	0	0.00	0	68.4	68.4	68.4	
5-6 AM	2497	0.0	OFF	2497	0	0.00	0	67.6	67.6	67.6	
6-7 AM	3094	0.0	OFF	3094	0	0.00	0	66.9	66.9	66.9	
7-8 AM	3628	0.0	OFF	3628	0	0.00	0	66.1	66.1	66.1	
8-9 AM	4231	0.0	1499	1580	2651	17.21+	435	62.0	7.3	36.5	
9-10 AM	4429	0.0	1499	1927	2501	15.72+	404	60.6	7.7	34.1	
10-11 AM	4552	0.0	1499	1500	3052	16.97+	423	59.7	7.3	30.8	
11AM-NOON	4671	0.0	1500	1500	3171	16.93+	423	58.9	7.3	30.8	
NOON-1PM	4753	0.0	1500	1500	3253	16.91+	423	58.4	7.3	30.8	
1-2 PM	4507	0.0	1500	1500	3007	16.98+	423	60.1	7.3	30.8	
2-3 PM	4071	0.0	1500	1494	2577	17.07+	423	63.0	7.3	30.8	
3-4 PM	3626	0.0	1499	1479	2146	17.12+	421	66.1	7.3	30.8	
4-5 PM	3057	0.0	1499	1467	1590	17.10+	420	66.9	7.3	30.8	
5-6 PM	2711	0.0	1499	1484	1227	17.00+	417	67.4	7.3	30.8	
6-7 PM	2484	0.0	OFF	2484	0	0.28	26	67.6	58.1	58.1	
7-8 PM	1956	0.0	OFF	1956	0	0.00	0	68.3	68.3	68.3	
8-9 PM	1441	0.0	OFF	1441	0	0.00	0	68.9	68.9	68.9	
9-10 PM	1155	0.0	OFF	1155	0	0.00	0	69.3	69.3	69.3	
10-11 PM	923	0.0	OFF	923	0	0.00	0	69.6	69.6	69.6	
11PM-MID	671	0.0	OFF	671	0	0.00	0	69.9	69.9	69.9	

"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

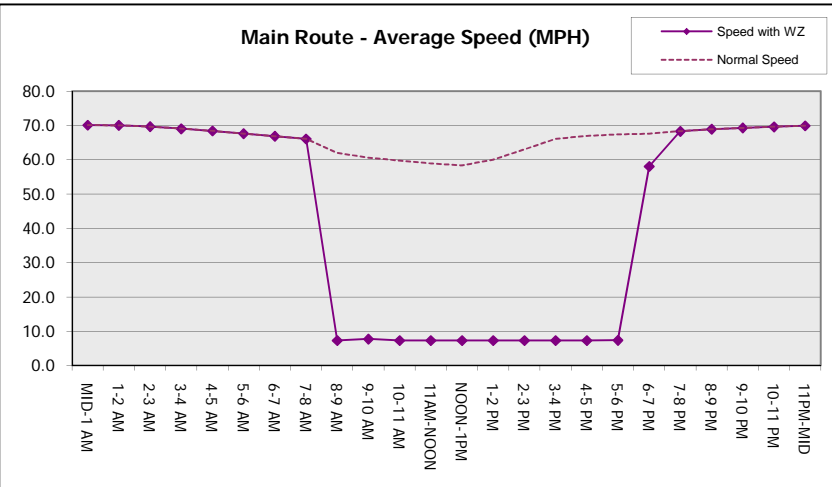
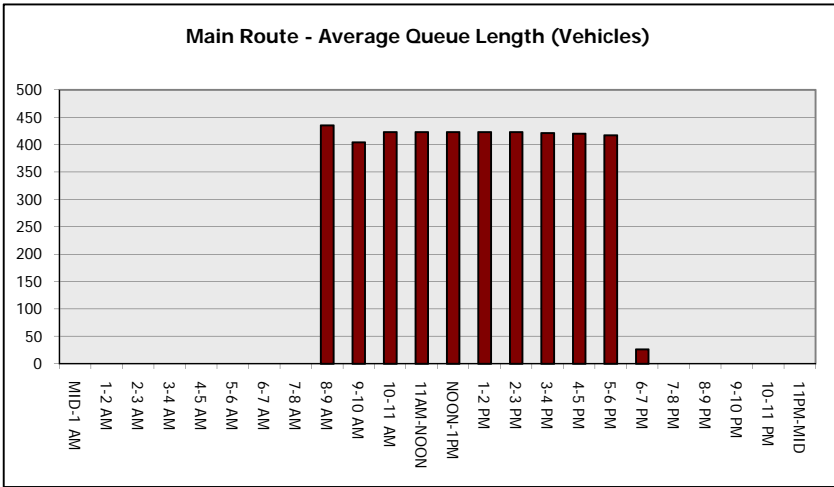
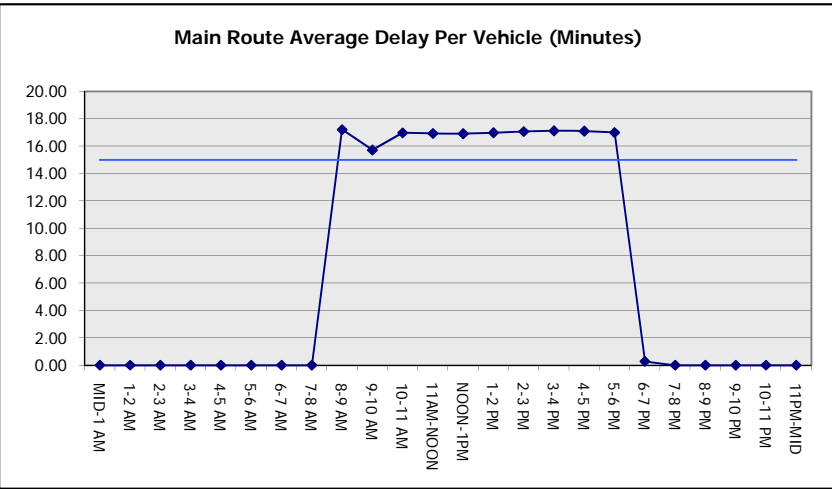
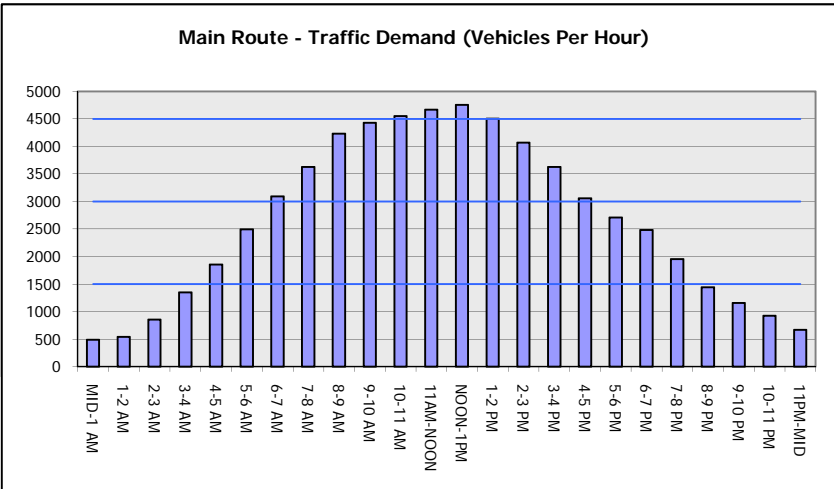
MAIN ROUTE WITHOUT WORKS	0.0192
MAIN ROUTE WITH WORKS	0.0106
'DIVERSION'	0.0176
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$187,336
CONGESTED HOURS PER DAY*	10

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SATURDAY SOUTHBOUND DIRECTION



USH 45: CTH E TO STH 190 (MILWAUKEE COUNTY) OFF-PEAK DAY 2 LANE CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	MAY
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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	OFF	1443	0	0.00	0	68.9	68.9	68.9
1-2 AM	1479	0.0	OFF	1479	0	0.00	0	68.9	68.9	68.9
2-3 AM	1862	0.0	OFF	1862	0	0.00	0	68.4	68.4	68.4
3-4 AM	2165	0.0	OFF	2165	0	0.00	0	68.1	68.1	68.1
4-5 AM	2705	0.0	OFF	2705	0	0.00	0	67.4	67.4	67.4
5-6 AM	2983	0.0	OFF	2983	0	0.00	0	67.0	67.0	67.0
6-7 AM	3590	0.0	OFF	3590	0	0.00	0	66.3	66.3	66.3
7-8 AM	4076	0.0	OFF	4076	0	0.00	0	63.0	63.0	63.0
8-9 AM	4360	0.0	1499	1581	2778	17.21+	435	61.0	7.3	36.5
9-10 AM	4539	0.0	1499	1964	2574	15.81+	406	59.9	7.6	33.7
10-11 AM	4582	0.0	1499	1487	3095	16.82+	422	59.6	7.3	32.5
11AM-NOON	4737	0.0	1499	1500	3237	16.84+	423	58.5	7.3	32.0
NOON-1PM	4829	0.0	1500	1500	3329	16.81+	423	57.9	7.3	32.0
1-2 PM	4676	0.0	1500	1499	3176	16.85+	423	58.9	7.3	32.0
2-3 PM	4457	0.0	1499	1492	2966	16.90+	422	60.4	7.3	31.9
3-4 PM	4046	0.0	1499	1481	2564	17.01+	422	63.2	7.3	31.3
4-5 PM	3543	0.0	1499	1474	2069	17.11+	421	66.3	7.3	30.8
5-6 PM	3551	0.0	1499	1490	2061	17.17+	422	66.3	7.3	30.8
6-7 PM	3516	0.0	OFF	3516	0	0.52	44	66.4	51.0	51.0
7-8 PM	3099	0.0	OFF	3099	0	0.00	0	66.9	66.9	66.9
8-9 PM	2436	0.0	OFF	2436	0	0.00	0	67.7	67.7	67.7
9-10 PM	2127	0.0	OFF	2127	0	0.00	0	68.1	68.1	68.1
10-11 PM	1867	0.0	OFF	1867	0	0.00	0	68.4	68.4	68.4
11PM-MID	1672	0.0	OFF	1672	0	0.00	0	68.7	68.7	68.7

"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	0.0237
MAIN ROUTE WITH WORKS	0.0143
'DIVERSION'	0.0195

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$199,585
CONGESTED HOURS PER DAY*	10

*Delays Exceeding User-Specified Maximum

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