

<b>USH 45: CTH E TO STH 190 (MILWAUKEE COUNTY)</b> <b>CONTINUOUS (24 HOUR) 2 LANE CLOSURE</b> <b>NO DIVERSION ROUTE (MAX QUEUE METHOD)</b>	<b>MAY</b>
	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	1500	491	0	0.53	0	70.1	52.8	43.5	
1-2 AM	538	0.0	1500	538	0	0.54	0	70.0	52.7	43.3	
2-3 AM	855	0.0	1500	855	0	0.57	0	69.7	51.7	42.2	
3-4 AM	1350	0.0	1499	1350	0	0.89	0	69.1	44.8	34.5	
4-5 AM	1854	0.0	1499	1854	0	5.05	141	68.4	17.2	30.8	
5-6 AM	2497	0.0	1499	1520	977	16.99+	417	67.6	7.3	30.8	
6-7 AM	3094	0.0	1500	1521	1573	17.11+	420	66.9	7.3	30.8	
7-8 AM	3628	0.0	1499	1500	2128	17.19+	423	66.1	7.3	30.8	
8-9 AM	4231	0.0	1500	1500	2731	17.05+	423	62.0	7.3	30.8	
9-10 AM	4429	0.0	1500	1500	2929	17.00+	423	60.6	7.3	30.8	
10-11 AM	4552	0.0	1500	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	1500	2571	17.09+	423	63.0	7.3	30.8	
3-4 PM	3626	0.0	1500	1500	2126	17.19+	423	66.1	7.3	30.8	
4-5 PM	3057	0.0	1500	1513	1544	17.12+	421	66.9	7.3	30.8	
5-6 PM	2711	0.0	1500	1505	1207	16.97+	416	67.4	7.3	30.8	
6-7 PM	2484	0.0	1500	1500	984	16.92+	415	67.6	7.3	30.8	
7-8 PM	1956	0.0	1500	1500	456	16.91+	414	68.3	7.3	30.8	
8-9 PM	1441	0.0	1500	1421	21	16.11+	393	68.9	7.6	30.8	
9-10 PM	1155	0.0	1499	1155	0	5.92	178	69.3	15.4	34.1	
10-11 PM	923	0.0	1500	923	0	0.58	0	69.6	51.4	41.9	
11PM-MID	671	0.0	1500	671	0	0.55	0	69.9	52.2	42.8	

+ 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

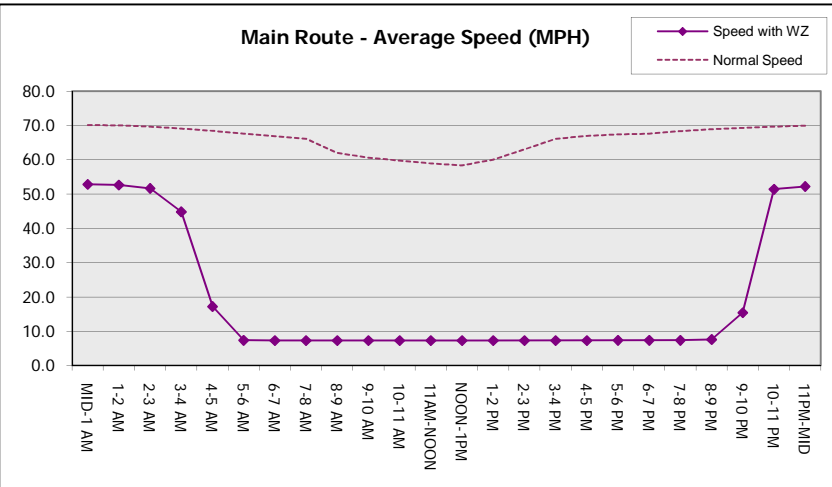
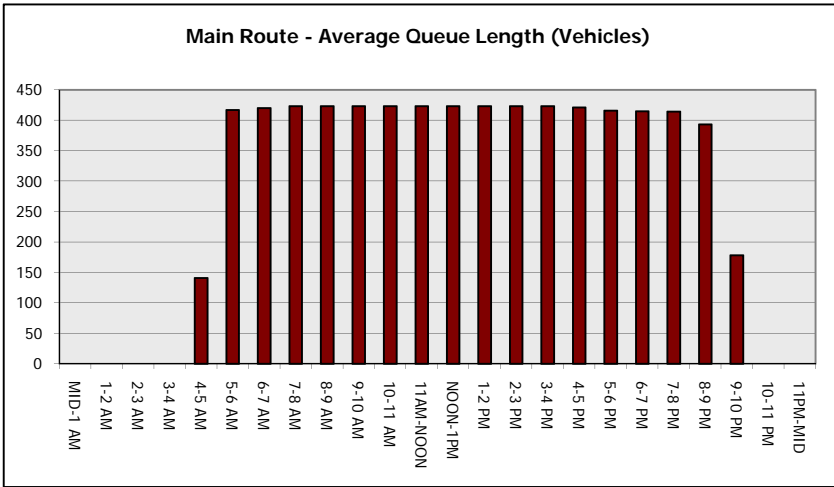
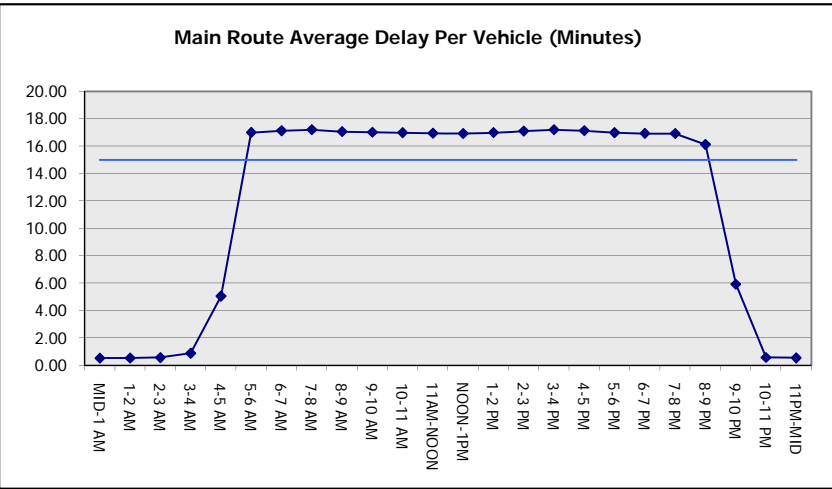
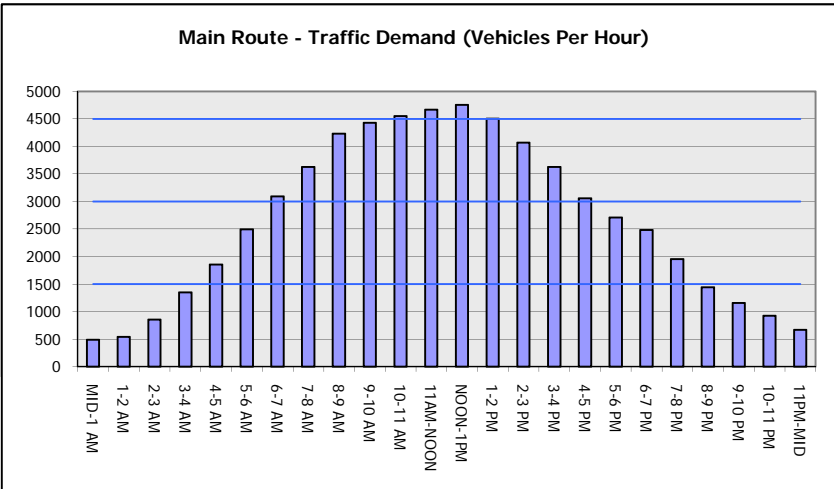
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0192
MAIN ROUTE WITH WORKS	0.0075
'DIVERSION'	0.0222
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$255,680
CONGESTED HOURS PER DAY*	16

\*Delays Exceeding User-Specified Maximum

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CONTINUOUS (24 HOUR) 2 LANE CLOSURE  
NO DIVERSION ROUTE (MAX QUEUE METHOD)**

**MAY**  
Analyzed for 2009  
Construction Season

**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**SATURDAY SOUTHBOUND DIRECTION**



<b>USH 45: CTH E TO STH 190 (MILWAUKEE COUNTY)</b> <b>CONTINUOUS (24 HOUR) 2 LANE CLOSURE</b> <b>NO DIVERSION ROUTE (MAX QUEUE METHOD)</b>	<b>MAY</b>
	Analyzed for 2009 Construction Season

**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	1499	1443	0	16.09+	392	68.9	7.6	30.8	
1-2 AM	1479	0.0	1500	1479	0	13.89	335	68.9	8.2	30.8	
2-3 AM	1862	0.0	1500	1590	272	16.50+	404	68.4	7.5	30.8	
3-4 AM	2165	0.0	1499	1499	666	16.91+	414	68.1	7.3	30.8	
4-5 AM	2705	0.0	1499	1496	1210	16.98+	417	67.4	7.3	30.8	
5-6 AM	2983	0.0	1499	1500	1484	17.12+	420	67.0	7.3	30.8	
6-7 AM	3590	0.0	1499	1500	2090	17.20+	423	66.3	7.3	30.8	
7-8 AM	4076	0.0	1500	1500	2576	17.09+	423	63.0	7.3	30.8	
8-9 AM	4360	0.0	1500	1500	2860	17.02+	423	61.0	7.3	30.8	
9-10 AM	4539	0.0	1500	1500	3039	16.97+	423	59.9	7.3	30.8	
10-11 AM	4582	0.0	1500	1500	3082	16.96+	423	59.6	7.3	30.8	
11AM-NOON	4737	0.0	1500	1500	3237	16.92+	423	58.5	7.3	30.8	
NOON-1PM	4829	0.0	1500	1500	3329	16.89+	423	57.9	7.3	30.8	
1-2 PM	4676	0.0	1500	1500	3176	16.93+	423	58.9	7.3	30.8	
2-3 PM	4457	0.0	1500	1500	2957	16.99+	423	60.4	7.3	30.8	
3-4 PM	4046	0.0	1500	1500	2546	17.09+	423	63.2	7.3	30.8	
4-5 PM	3543	0.0	1500	1500	2043	17.20+	423	66.3	7.3	30.8	
5-6 PM	3551	0.0	1500	1500	2051	17.20+	423	66.3	7.3	30.8	
6-7 PM	3516	0.0	1500	1500	2016	17.20+	423	66.4	7.3	30.8	
7-8 PM	3099	0.0	1500	1500	1599	17.16+	422	66.9	7.3	30.8	
8-9 PM	2436	0.0	1500	1499	936	16.92+	415	67.7	7.3	30.8	
9-10 PM	2127	0.0	1500	1499	627	16.91+	414	68.1	7.3	30.8	
10-11 PM	1867	0.0	1500	1500	368	16.91+	414	68.4	7.3	30.8	
11PM-MID	1672	0.0	1500	1500	172	16.91+	414	68.7	7.3	30.8	

+ 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	0.0085
'DIVERSION'	0.0297

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$351,093
CONGESTED HOURS PER DAY*	23

\*Delays Exceeding User-Specified Maximum

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**SATURDAY NORTHBOUND DIRECTION**

