

<b>USH 45: CTH E TO STH 190 (MILWAUKEE COUNTY)</b> <b>OFF-PEAK DAY 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	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	2999	3986	245	9.37+	552	62.0	13.2	37.3
9-10 AM	4429	0.0	2999	2962	1466	17.60+	947	60.6	9.8	37.3
10-11 AM	4552	0.0	3000	3015	1538	17.71+	956	59.7	9.7	37.3
11AM-NOON	4671	0.0	2999	3003	1669	17.86+	967	58.9	9.7	37.3
NOON-1PM	4753	0.0	3000	3000	1753	17.84+	968	58.4	9.7	37.3
1-2 PM	4507	0.0	3000	2976	1531	17.71+	955	60.1	9.7	37.3
2-3 PM	4071	0.0	3000	2969	1103	17.08+	911	63.0	9.9	37.3
3-4 PM	3626	0.0	2999	2995	631	17.01+	899	66.1	9.9	37.3
4-5 PM	3057	0.0	3000	2968	89	16.89+	891	66.9	10.0	37.3
5-6 PM	2711	0.0	2999	2711	0	14.22+	746	67.4	10.7	37.3
6-7 PM	2484	0.0	OFF	2484	0	0.50	48	67.6	52.1	52.1
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

*----- 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

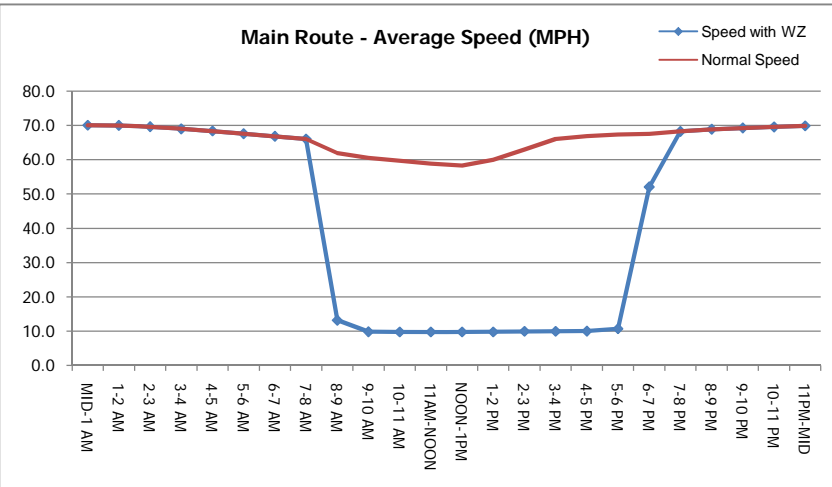
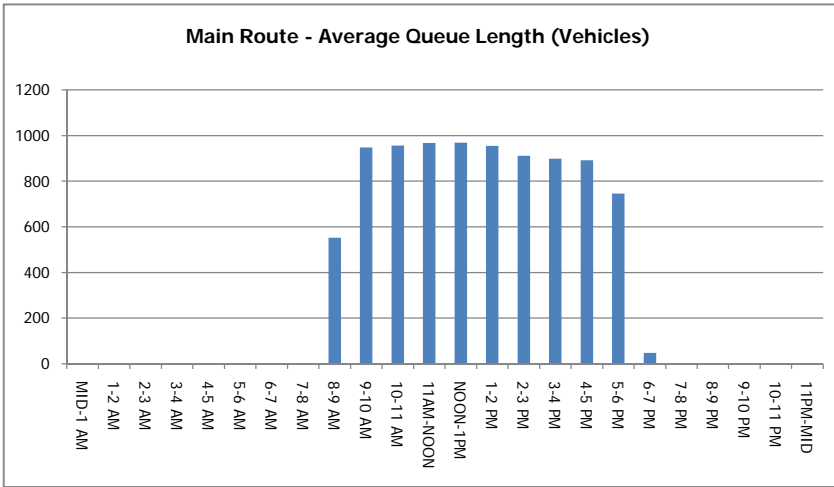
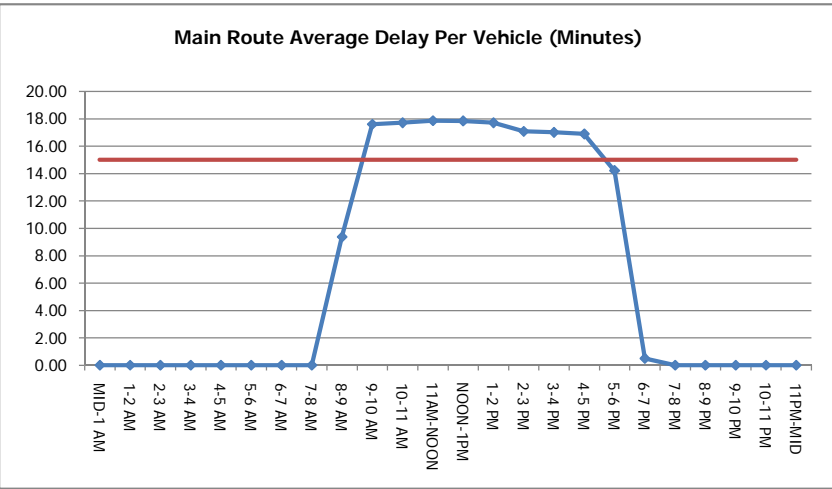
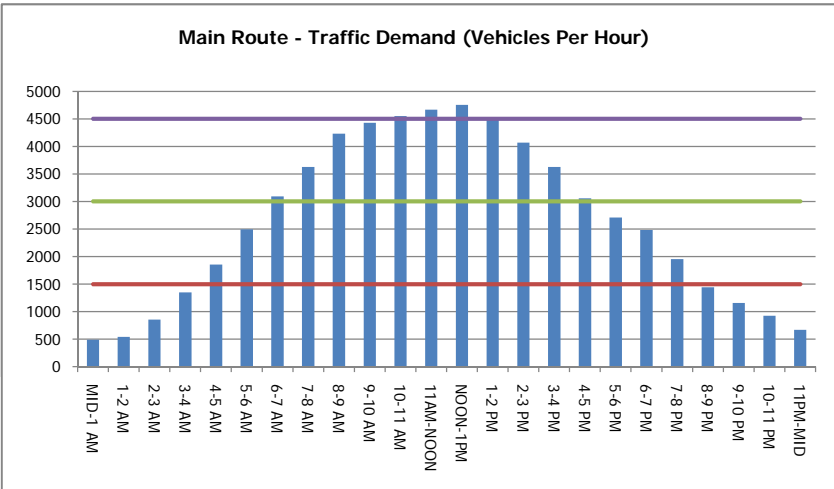
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0192
MAIN ROUTE WITH WORKS	0.0142
'DIVERSION'	0.0070
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$184,442
CONGESTED HOURS PER DAY*	10

\*Delays Exceeding User-Specified Maximum

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OFF-PEAK DAY 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>OFF-PEAK DAY 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	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	2999	3940	420	10.36+	605	61.0	12.5	37.3
9-10 AM	4539	0.0	3000	3020	1519	17.67+	953	59.9	9.7	37.3
10-11 AM	4582	0.0	3000	3005	1577	17.79+	961	59.6	9.7	37.3
11AM-NOON	4737	0.0	2999	3000	1737	17.84+	968	58.5	9.7	37.3
NOON-1PM	4829	0.0	3000	3000	1829	17.81+	968	57.9	9.7	37.3
1-2 PM	4676	0.0	3000	3002	1674	17.86+	967	58.9	9.7	37.3
2-3 PM	4457	0.0	3000	2969	1489	17.64+	950	60.4	9.7	37.3
3-4 PM	4046	0.0	3000	2972	1074	17.05+	909	63.2	9.9	37.3
4-5 PM	3543	0.0	3000	2995	548	17.00+	898	66.3	9.9	37.3
5-6 PM	3551	0.0	2999	2998	554	17.00+	898	66.3	9.9	37.3
6-7 PM	3516	0.0	OFF	3516	0	1.80	163	66.4	32.5	32.5
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	0.0179
'DIVERSION'	0.0087

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$202,796
CONGESTED HOURS PER DAY*	10

\*Delays Exceeding User-Specified Maximum

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

