

<b>USH 45: CTH E TO STH 190 (MILWAUKEE COUNTY)</b> <b>NIGHTTIME CLOSURE</b> <b>NO DIVERSION ROUTE (MAX QUEUE METHOD)</b>	<b>AUGUST</b>
	Analyzed for 2009 Construction Season

**SUMMARY OF TRAFFIC MODEL OUTPUT**

MON-THUR                  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	632	0.0	3000	632	0	0.36	0	69.9	57.4	49.7	
1-2 AM	447	0.0	3000	447	0	0.36	0	70.2	57.4	49.7	
2-3 AM	396	0.0	3000	396	0	0.36	0	70.2	57.4	49.7	
3-4 AM	471	0.0	3000	471	0	0.36	0	70.2	57.4	49.7	
4-5 AM	850	0.0	3000	850	0	0.35	0	69.7	57.3	49.7	
5-6 AM	2448	0.0	OFF	2448	0	0.00	0	67.7	67.7	67.7	
6-7 AM	5083	0.0	OFF	5083	0	0.00	0	56.1	56.1	56.1	
7-8 AM	6048	0.0	OFF	6048	0	0.00	0	49.6	49.6	49.6	
8-9 AM	5419	0.0	OFF	5419	0	0.00	0	53.8	53.8	53.8	
9-10 AM	4639	0.0	OFF	4639	0	0.00	0	59.2	59.2	59.2	
10-11 AM	4359	0.0	OFF	4359	0	0.00	0	61.1	61.1	61.1	
11AM-NOON	4677	0.0	OFF	4677	0	0.00	0	58.9	58.9	58.9	
NOON-1PM	4560	0.0	OFF	4560	0	0.00	0	59.7	59.7	59.7	
1-2 PM	4633	0.0	OFF	4633	0	0.00	0	59.2	59.2	59.2	
2-3 PM	5162	0.0	OFF	5162	0	0.00	0	55.6	55.6	55.6	
3-4 PM	4490	0.0	OFF	4490	0	0.00	0	60.2	60.2	60.2	
4-5 PM	4178	0.0	OFF	4178	0	0.00	0	62.3	62.3	62.3	
5-6 PM	4013	0.0	OFF	4013	0	0.00	0	63.5	63.5	63.5	
6-7 PM	4247	0.0	OFF	4247	0	0.00	0	61.9	61.9	61.9	
7-8 PM	3071	0.0	2999	3071	0	2.30	88	66.9	28.5	37.3	
8-9 PM	2556	0.0	3000	2556	0	0.54	7	67.6	51.0	45.4	
9-10 PM	2119	0.0	3000	2119	0	0.33	0	68.1	56.8	49.7	
10-11 PM	1649	0.0	3000	1649	0	0.34	0	68.7	57.0	49.7	
11PM-MID	1281	0.0	3000	1281	0	0.35	0	69.1	57.1	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

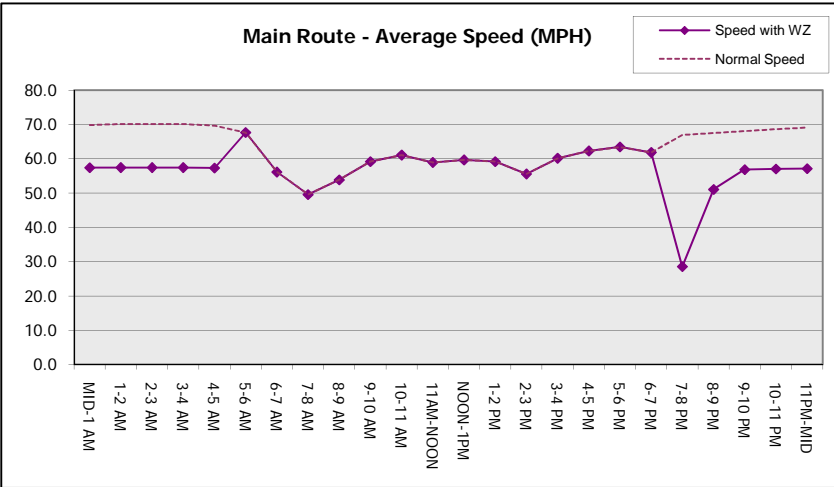
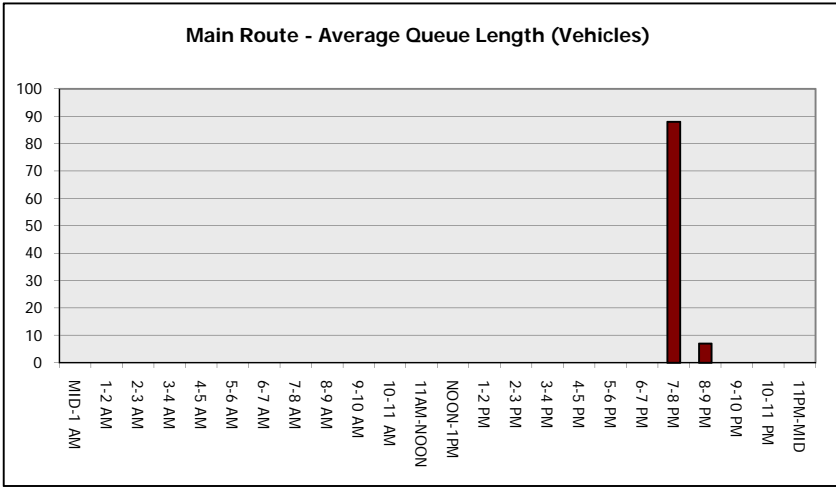
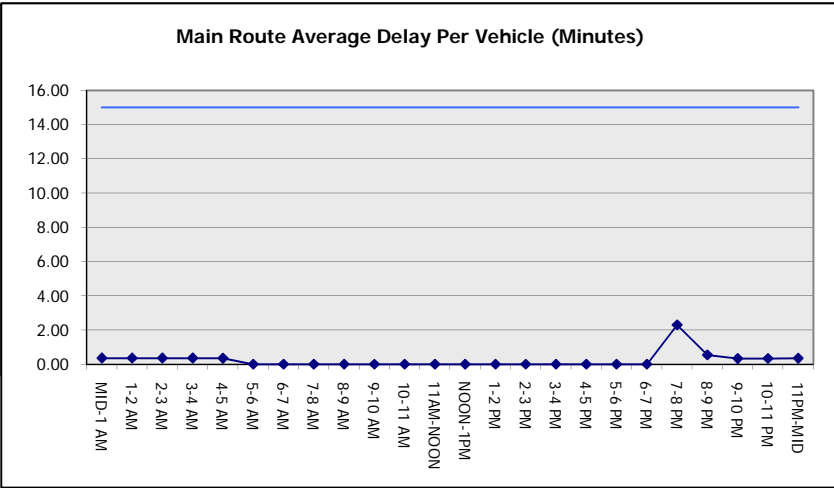
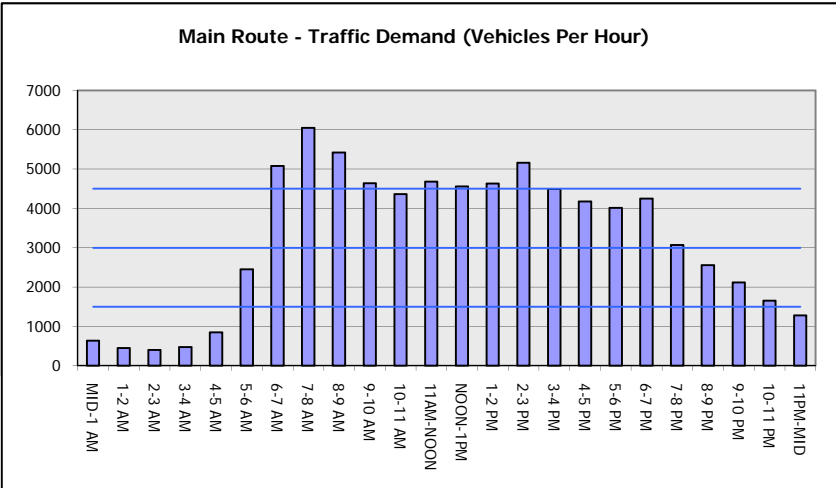
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0234
MAIN ROUTE WITH WORKS	0.0225
'DIVERSION'	0.0000
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$2,585
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding User-Specified Maximum

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NIGHTTIME CLOSURE  
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**AUGUST**  
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Construction Season

**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**MON-THUR SOUTHBOUND DIRECTION**



<b>USH 45: CTH E TO STH 190 (MILWAUKEE COUNTY)</b> <b>NIGHTTIME CLOSURE</b> <b>NO DIVERSION ROUTE (MAX QUEUE METHOD)</b>	<b>AUGUST</b>
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**SUMMARY OF TRAFFIC MODEL OUTPUT**

MON-THUR                      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	970	0.0	3000	970	0	0.35	0	69.6	57.3	49.7
1-2 AM	678	0.0	3000	678	0	0.36	0	69.9	57.4	49.7
2-3 AM	650	0.0	3000	650	0	0.36	0	69.9	57.4	49.7
3-4 AM	695	0.0	3000	695	0	0.36	0	69.9	57.4	49.7
4-5 AM	1287	0.0	3000	1287	0	0.35	0	69.1	57.1	49.7
5-6 AM	3250	0.0	OFF	3250	0	0.00	0	66.7	66.7	66.7
6-7 AM	5363	0.0	OFF	5363	0	0.00	0	54.2	54.2	54.2
7-8 AM	6317	0.0	OFF	6317	0	0.00	0	47.7	47.7	47.7
8-9 AM	5294	0.0	OFF	5294	0	0.00	0	54.7	54.7	54.7
9-10 AM	4205	0.0	OFF	4205	0	0.00	0	62.1	62.1	62.1
10-11 AM	4121	0.0	OFF	4121	0	0.00	0	62.7	62.7	62.7
11AM-NOON	4431	0.0	OFF	4431	0	0.00	0	60.6	60.6	60.6
NOON-1PM	4460	0.0	OFF	4460	0	0.00	0	60.4	60.4	60.4
1-2 PM	4986	0.0	OFF	4986	0	0.00	0	56.8	56.8	56.8
2-3 PM	5617	0.0	OFF	5617	0	0.00	0	52.5	52.5	52.5
3-4 PM	5573	0.0	OFF	5573	0	0.00	0	52.8	52.8	52.8
4-5 PM	6389	0.0	OFF	6389	0	0.00	0	47.2	47.2	47.2
5-6 PM	6265	0.0	OFF	6265	0	0.00	0	48.1	48.1	48.1
6-7 PM	4587	0.0	OFF	4587	0	0.00	0	59.5	59.5	59.5
7-8 PM	3388	0.0	2999	3388	0	4.74	243	66.5	18.6	37.3
8-9 PM	3005	0.0	2999	3005	0	7.99	400	67.0	13.7	37.3
9-10 PM	3062	0.0	3000	3062	0	8.53	430	66.9	13.3	37.3
10-11 PM	2793	0.0	2999	2793	0	7.83	395	67.3	13.8	37.3
11PM-MID	1653	0.0	3000	1653	0	0.59	27	68.7	50.7	49.7

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

*----- SITE BREAKDOWN DELAYS -----*	
BREAKDOWN DURATION (MINS)	0
RANGE OF QUEUE DELAY - MIN	0.0
(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	0
(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	0.0269
MAIN ROUTE WITH WORKS	0.0257
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$20,992
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding User-Specified Maximum

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