

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

**SUMMARY OF TRAFFIC MODEL OUTPUT**

FRIDAY      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	583	0.0	3000	583	0	0.36	0	70.0	57.4	49.7	
1-2 AM	800	0.0	3000	800	0	0.35	0	69.7	57.3	49.7	
2-3 AM	2043	0.0	2999	2043	0	0.34	0	68.2	56.5	49.2	
3-4 AM	3816	0.0	2999	3816	0	5.49	339	64.8	17.8	37.3	
4-5 AM	4237	0.0	2999	3111	1126	17.22+	922	61.9	9.9	37.3	
5-6 AM	4318	0.0	3000	3009	1309	17.29+	928	61.4	9.9	37.3	
6-7 AM	4715	0.0	2999	3027	1687	17.78+	963	58.6	9.7	37.3	
7-8 AM	4935	0.0	3000	3000	1935	17.76+	968	57.1	9.7	37.3	
8-9 AM	4733	0.0	3000	3000	1733	17.85+	968	58.5	9.7	37.3	
9-10 AM	4575	0.0	3000	2998	1577	17.79+	961	59.6	9.7	37.3	
10-11 AM	4796	0.0	2999	3000	1796	17.82+	968	58.1	9.7	37.3	
11AM-NOON	5309	0.0	3000	3000	2308	17.59+	968	54.6	9.7	37.3	
NOON-1PM	5073	0.0	3000	3000	2073	17.70+	968	56.2	9.7	37.3	
1-2 PM	4719	0.0	3000	3000	1719	17.85+	968	58.6	9.7	37.3	
2-3 PM	5182	0.0	3000	3001	2181	17.65+	968	55.5	9.7	37.3	
3-4 PM	4774	0.0	3000	3002	1773	17.80+	966	58.2	9.7	37.3	
4-5 PM	3827	0.0	3000	2949	878	17.09+	907	64.7	9.9	37.3	
5-6 PM	3275	0.0	2999	2991	284	16.97+	895	66.7	10.0	37.3	
6-7 PM	2772	0.0	2999	2772	0	15.59+	820	67.3	10.3	37.3	
7-8 PM	2327	0.0	2999	2327	0	6.21	375	67.8	16.6	41.8	
8-9 PM	1676	0.0	3000	1676	0	0.34	0	68.6	57.0	49.7	
9-10 PM	1235	0.0	3000	1235	0	0.35	0	69.2	57.1	49.7	
10-11 PM	1032	0.0	3000	1032	0	0.35	0	69.4	57.3	49.7	
11PM-MID	725	0.0	3000	725	0	0.35	0	69.9	57.4	49.7	

+ 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

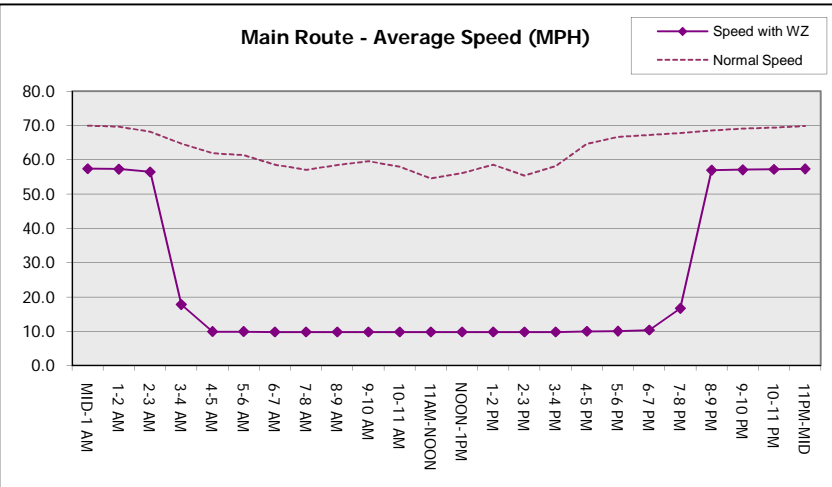
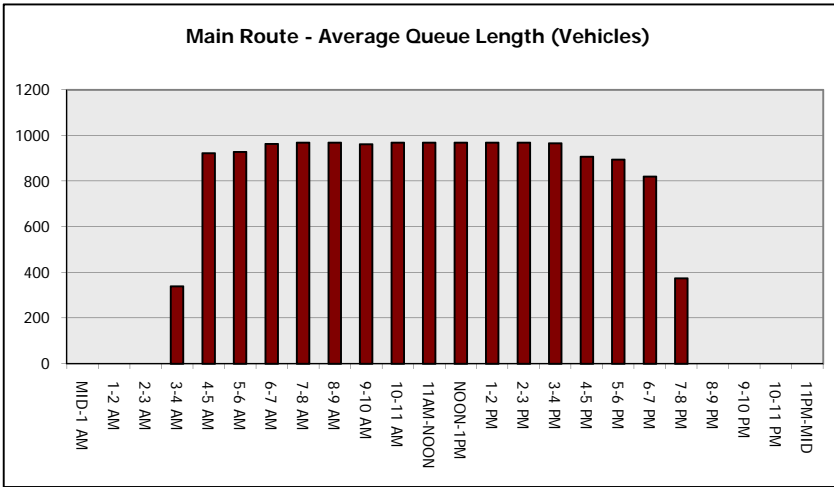
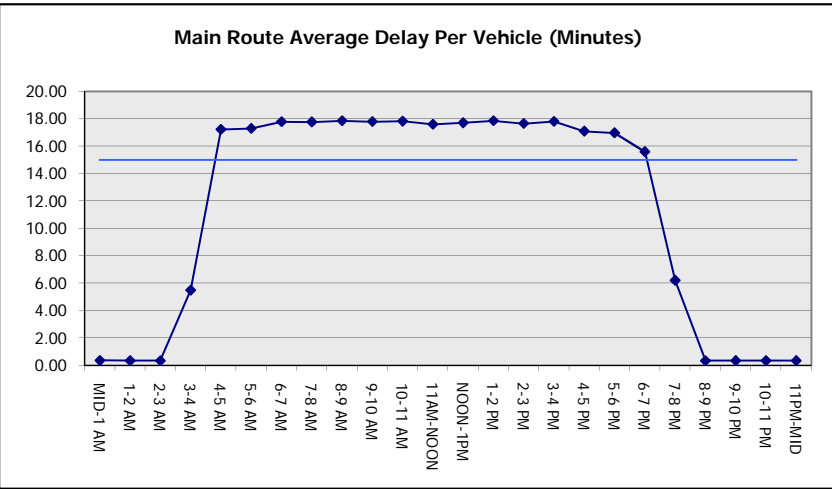
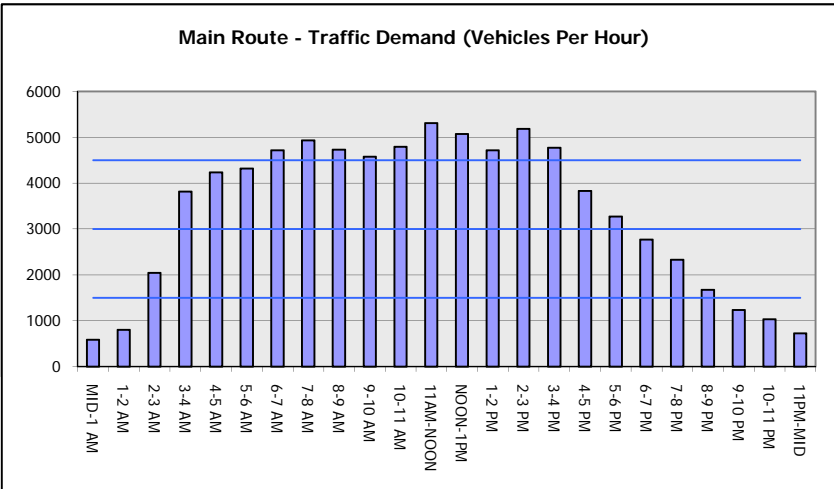
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0247
MAIN ROUTE WITH WORKS	0.0140
'DIVERSION'	0.0157
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$266,701
CONGESTED HOURS PER DAY*	15

\*Delays Exceeding User-Specified Maximum

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**MAY**  
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Construction Season

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



<b>USH 45: CTH E TO STH 190 (MILWAUKEE COUNTY)                  CONTINUOUS (24 HOUR) CLOSURE                  NO DIVERSION ROUTE (MAX QUEUE METHOD)</b>	<b>MAY</b>
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**SUMMARY OF TRAFFIC MODEL OUTPUT**

FRIDAY 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	1416	0.0	3000	1416	0	0.34	0	69.0	57.1	49.7
1-2 AM	1850	0.0	2999	1850	0	0.34	0	68.4	56.9	49.7
2-3 AM	3232	0.0	2999	3232	0	1.49	69	66.7	35.6	37.9
3-4 AM	4422	0.0	3000	3682	740	13.74+	760	60.7	10.9	37.3
4-5 AM	4992	0.0	2999	3000	1992	17.74+	968	56.8	9.7	37.3
5-6 AM	4818	0.0	3000	3000	1818	17.81+	968	57.9	9.7	37.3
6-7 AM	5076	0.0	3000	3000	2076	17.70+	968	56.2	9.7	37.3
7-8 AM	5280	0.0	3000	3000	2279	17.60+	968	54.8	9.7	37.3
8-9 AM	4979	0.0	3000	3000	1979	17.74+	968	56.8	9.7	37.3
9-10 AM	4968	0.0	3000	3000	1968	17.75+	968	56.9	9.7	37.3
10-11 AM	5244	0.0	3000	3000	2244	17.62+	968	55.0	9.7	37.3
11AM-NOON	5684	0.0	3000	3000	2684	17.40+	968	52.0	9.7	37.3
NOON-1PM	5974	0.0	3000	3000	2974	17.24+	968	50.1	9.7	37.3
1-2 PM	6416	0.0	3000	3000	3416	16.98+	968	47.0	9.7	37.3
2-3 PM	5976	0.0	3000	3000	2976	17.24+	968	50.1	9.7	37.3
3-4 PM	5182	0.0	3000	3000	2182	17.65+	968	55.5	9.7	37.3
4-5 PM	4620	0.0	3000	2994	1626	17.77+	961	59.3	9.7	37.3
5-6 PM	4335	0.0	3000	2970	1365	17.41+	934	61.2	9.8	37.3
6-7 PM	4066	0.0	2999	2987	1079	17.04+	909	63.1	9.9	37.3
7-8 PM	3414	0.0	3000	2994	420	16.99+	897	66.5	10.0	37.3
8-9 PM	2701	0.0	2999	2701	0	15.02+	790	67.4	10.4	37.3
9-10 PM	2242	0.0	2999	2242	0	3.15	263	67.9	25.5	44.5
10-11 PM	1931	0.0	3000	1931	0	0.34	0	68.3	56.9	49.7
11PM-MID	1710	0.0	3000	1710	0	0.34	0	68.6	56.9	49.7

+ 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	0.0304
MAIN ROUTE WITH WORKS	0.0158
'DIVERSION'	0.0237

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$335,772
CONGESTED HOURS PER DAY*	18

\*Delays Exceeding User-Specified Maximum

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**FRIDAY NORTHBOUND DIRECTION**

