

USH 45: CTH E TO STH 190 (MILWAUKEE COUNTY) CONTINUOUS (24 HOUR) 2 LANE CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	AUGUST
	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	1500	632	0	0.94	25	69.9	44.3	42.8	
1-2 AM	447	0.0	1500	447	0	0.53	0	70.2	53.0	43.7	
2-3 AM	396	0.0	1500	396	0	0.52	0	70.2	53.2	43.9	
3-4 AM	471	0.0	1500	471	0	0.53	0	70.2	52.9	43.6	
4-5 AM	850	0.0	1500	850	0	0.57	0	69.7	51.7	42.2	
5-6 AM	2448	0.0	1499	1925	523	8.36+	247	67.7	12.2	30.8	
6-7 AM	5083	0.0	1499	1500	3583	16.81+	423	56.1	7.3	30.8	
7-8 AM	6048	0.0	1500	1500	4548	16.48+	423	49.6	7.3	30.8	
8-9 AM	5419	0.0	1500	1500	3919	16.71+	423	53.8	7.3	30.8	
9-10 AM	4639	0.0	1500	1500	3139	16.94+	423	59.2	7.3	30.8	
10-11 AM	4359	0.0	1500	1500	2859	17.02+	423	61.1	7.3	30.8	
11AM-NOON	4677	0.0	1500	1500	3177	16.93+	423	58.9	7.3	30.8	
NOON-1PM	4560	0.0	1500	1500	3060	16.96+	423	59.7	7.3	30.8	
1-2 PM	4633	0.0	1500	1500	3133	16.94+	423	59.2	7.3	30.8	
2-3 PM	5162	0.0	1500	1500	3662	16.79+	423	55.6	7.3	30.8	
3-4 PM	4490	0.0	1500	1500	2990	16.98+	423	60.2	7.3	30.8	
4-5 PM	4178	0.0	1500	1500	2678	17.06+	423	62.3	7.3	30.8	
5-6 PM	4013	0.0	1500	1500	2513	17.10+	423	63.5	7.3	30.8	
6-7 PM	4247	0.0	1500	1500	2747	17.04+	423	61.9	7.3	30.8	
7-8 PM	3071	0.0	1500	1498	1573	17.13+	421	66.9	7.3	30.8	
8-9 PM	2556	0.0	1500	1497	1059	16.94+	415	67.6	7.3	30.8	
9-10 PM	2119	0.0	1500	1500	619	16.91+	414	68.1	7.3	30.8	
10-11 PM	1649	0.0	1500	1499	150	16.90+	413	68.7	7.3	30.8	
11PM-MID	1281	0.0	1499	1281	0	13.80+	340	69.1	8.3	31.1	

+ 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

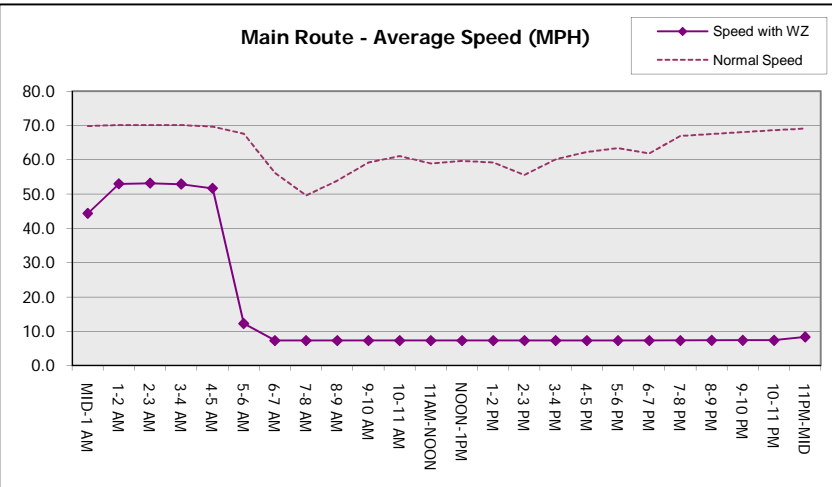
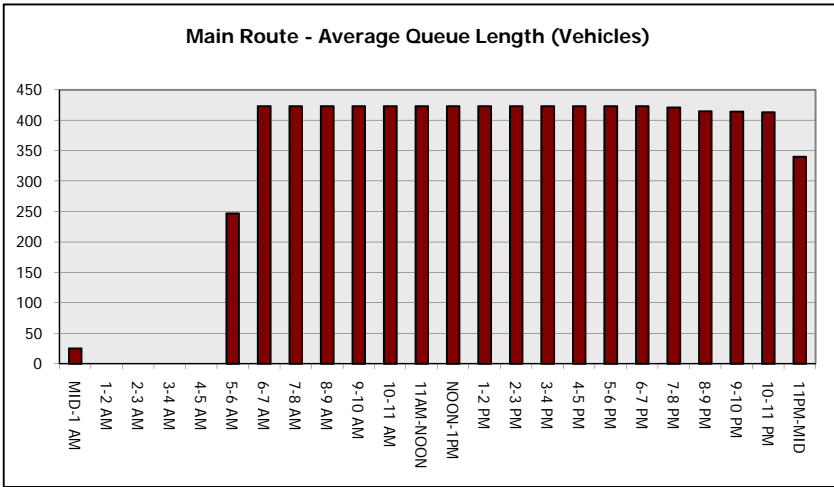
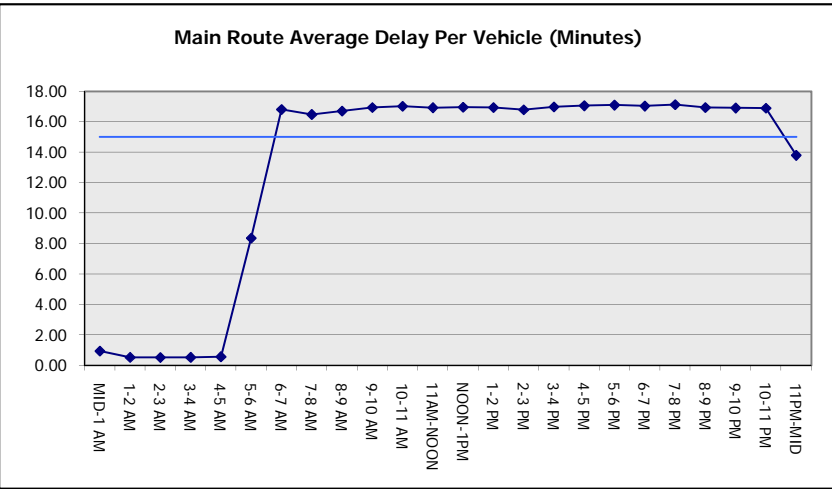
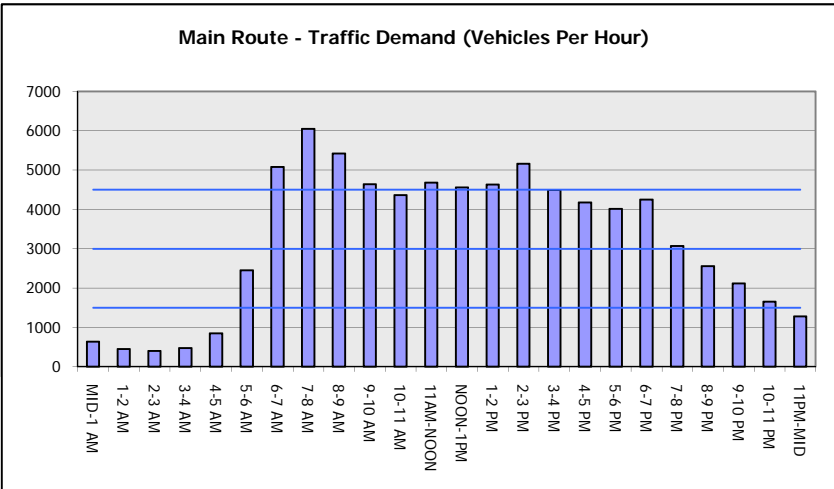
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0234
MAIN ROUTE WITH WORKS	0.0075
'DIVERSION'	0.0322
<small>PIA: Personal Injury Accidents</small>	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$268,583
CONGESTED HOURS PER DAY*	19

*Delays Exceeding User-Specified Maximum

**USH 45: CTH E TO STH 190 (MILWAUKEE COUNTY)
CONTINUOUS (24 HOUR) 2 LANE CLOSURE
NO DIVERSION ROUTE (MAX QUEUE METHOD)**

AUGUST
Analyzed for 2009
Construction Season

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



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

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	1499	970	0	3.42	157	69.6	23.0	37.3	
1-2 AM	678	0.0	1500	678	0	0.55	0	69.9	52.2	42.8	
2-3 AM	650	0.0	1500	650	0	0.55	0	69.9	52.3	43.0	
3-4 AM	695	0.0	1500	695	0	0.55	0	69.9	52.2	42.8	
4-5 AM	1287	0.0	1499	1287	0	1.15	13	69.1	40.8	36.3	
5-6 AM	3250	0.0	1500	1737	1513	14.70+	383	66.7	8.1	35.6	
6-7 AM	5363	0.0	1499	1500	3863	16.47+	423	54.2	7.4	35.8	
7-8 AM	6317	0.0	1499	1500	4817	16.11+	423	47.7	7.4	35.8	
8-9 AM	5294	0.0	1500	1500	3794	16.49+	423	54.7	7.4	35.8	
9-10 AM	4205	0.0	1500	1516	2689	16.78+	422	62.1	7.4	34.7	
10-11 AM	4121	0.0	1500	1508	2613	16.87+	422	62.7	7.3	33.8	
11AM-NOON	4431	0.0	1499	1500	2931	16.83+	423	60.6	7.3	33.8	
NOON-1PM	4460	0.0	1500	1500	2960	16.82+	423	60.4	7.3	33.8	
1-2 PM	4986	0.0	1500	1500	3486	16.67+	423	56.8	7.3	33.8	
2-3 PM	5617	0.0	1500	1500	4117	16.47+	423	52.5	7.3	33.8	
3-4 PM	5573	0.0	1500	1500	4073	16.48+	423	52.8	7.3	33.8	
4-5 PM	6389	0.0	1500	1500	4889	16.17+	423	47.2	7.3	33.8	
5-6 PM	6265	0.0	1500	1500	4765	16.22+	423	48.1	7.3	33.8	
6-7 PM	4587	0.0	1500	1500	3087	16.78+	423	59.5	7.3	33.8	
7-8 PM	3388	0.0	1500	1533	1854	17.00+	419	66.5	7.3	31.9	
8-9 PM	3005	0.0	1500	1533	1471	17.07+	419	67.0	7.3	30.8	
9-10 PM	3062	0.0	1500	1521	1541	17.11+	420	66.9	7.3	30.8	
10-11 PM	2793	0.0	1500	1509	1284	17.02+	418	67.3	7.3	30.8	
11PM-MID	1653	0.0	1500	1463	190	16.49+	403	68.7	7.5	30.8	

+ 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	0.0269
MAIN ROUTE WITH WORKS	0.0078
'DIVERSION'	0.0392

PIA: Personal Injury Accidents

ROAD USER COSTS PER DAY	\$305,038
CONGESTED HOURS PER DAY*	19

*Delays Exceeding User-Specified Maximum

**USH 45: CTH E TO STH 190 (MILWAUKEE COUNTY)
 CONTINUOUS (24 HOUR) 2 LANE CLOSURE
 NO DIVERSION ROUTE (MAX QUEUE METHOD)**

AUGUST
 Analyzed for 2009
 Construction Season

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

