

<b>USH 45: STH 145 TO CTH E (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**

SUNDAY 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	502	0.0	1500	502	0	0.53	0	70.1	55.1	43.5	
1-2 AM	301	0.0	1500	301	0	0.51	0	70.2	55.7	44.3	
2-3 AM	230	0.0	1500	230	0	0.50	0	70.2	56.0	44.6	
3-4 AM	182	0.0	1500	182	0	0.49	0	70.2	56.1	44.8	
4-5 AM	204	0.0	1500	204	0	0.50	0	70.2	56.0	44.6	
5-6 AM	325	0.0	1500	325	0	0.51	0	70.2	55.6	44.2	
6-7 AM	641	0.0	1500	641	0	0.55	0	69.9	54.7	43.0	
7-8 AM	886	0.0	1500	886	0	0.57	0	69.6	54.0	42.1	
8-9 AM	1307	0.0	1499	1307	0	0.83	0	69.1	48.7	35.7	
9-10 AM	2009	0.0	1499	2009	0	6.81	207	68.2	15.9	30.8	
10-11 AM	2826	0.0	1500	1479	1347	16.64+	409	67.2	7.9	31.4	
11AM-NOON	3442	0.0	1499	1487	1955	16.68+	410	66.4	7.9	30.8	
NOON-1PM	3595	0.0	1499	1494	2101	16.70+	410	66.3	7.9	30.8	
1-2 PM	3432	0.0	1499	1492	1940	16.69+	410	66.4	7.9	30.8	
2-3 PM	3388	0.0	1499	1493	1895	16.70+	410	66.5	7.9	30.8	
3-4 PM	3212	0.0	1499	1491	1721	16.70+	410	66.8	7.9	30.8	
4-5 PM	3176	0.0	1499	1492	1683	16.71+	410	66.8	7.9	30.8	
5-6 PM	2903	0.0	1499	1490	1413	16.68+	409	67.1	7.9	30.8	
6-7 PM	2614	0.0	1499	1496	1117	16.63+	407	67.5	7.9	30.8	
7-8 PM	2285	0.0	1499	1499	786	16.62+	407	67.9	7.9	30.8	
8-9 PM	1837	0.0	1499	1499	338	16.62+	406	68.4	7.9	30.8	
9-10 PM	1381	0.0	1499	1356	26	15.00+	366	69.0	8.5	30.8	
10-11 PM	981	0.0	1499	981	0	2.22	89	69.5	32.9	38.7	
11PM-MID	605	0.0	1500	605	0	0.54	0	70.0	54.8	43.1	

+ 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

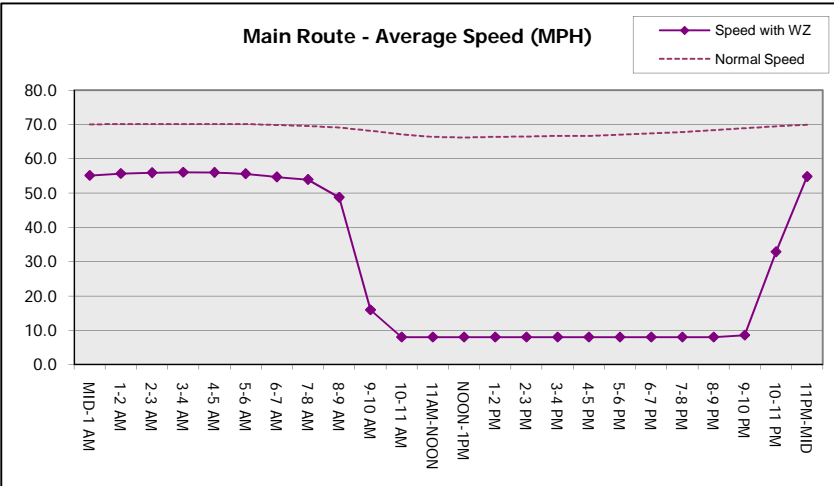
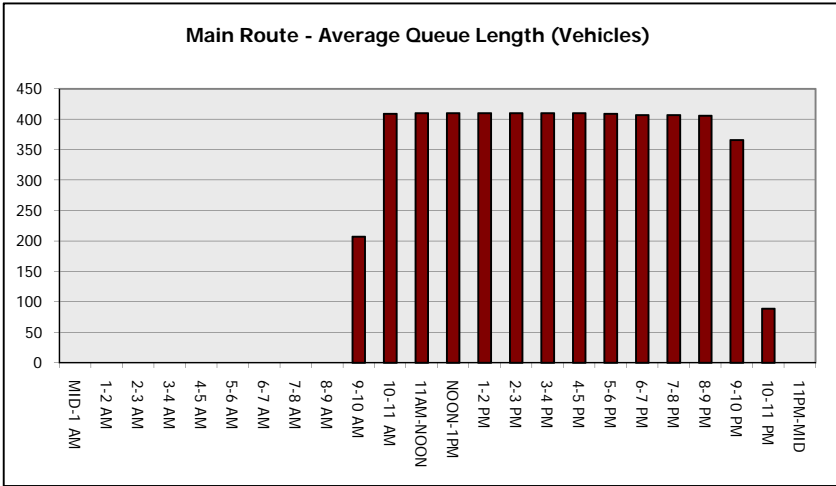
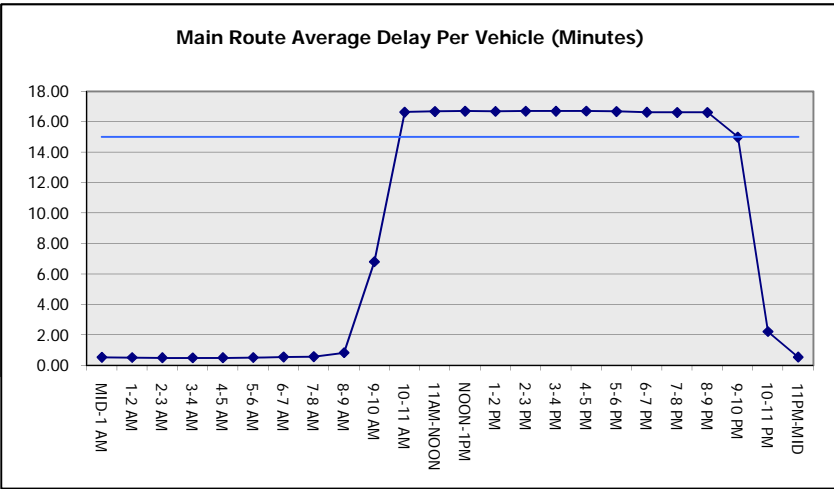
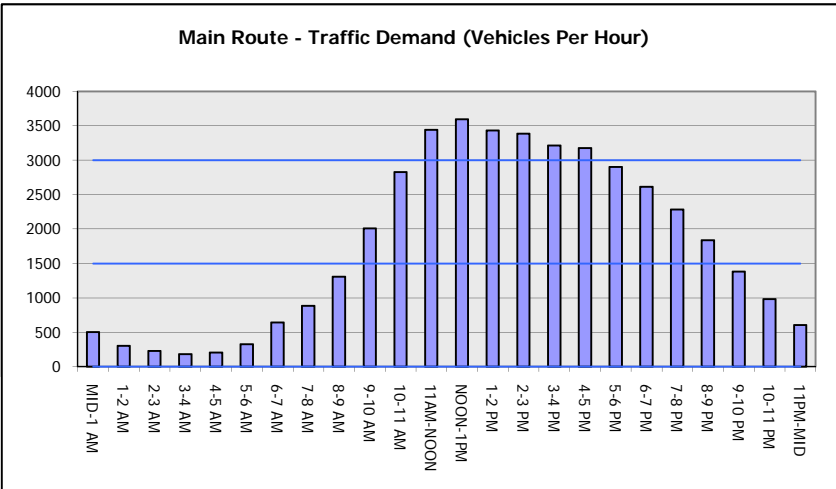
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0155
MAIN ROUTE WITH WORKS	0.0078
'DIVERSION'	0.0138
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$164,040
CONGESTED HOURS PER DAY*	12

\*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**  
**SUNDAY SOUTHBOUND DIRECTION**



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	Analyzed for 2009 Construction Season

**SUMMARY OF TRAFFIC MODEL OUTPUT**

SUNDAY 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	698	0.0	1500	698	0	0.55	0	69.9	54.5	42.8	
1-2 AM	433	0.0	1500	433	0	0.53	0	70.2	55.4	43.8	
2-3 AM	373	0.0	1500	373	0	0.52	0	70.2	55.5	44.0	
3-4 AM	226	0.0	1500	226	0	0.50	0	70.2	56.0	44.6	
4-5 AM	194	0.0	1500	194	0	0.50	0	70.2	56.0	44.7	
5-6 AM	316	0.0	1500	316	0	0.51	0	70.2	55.7	44.2	
6-7 AM	561	0.0	1500	561	0	0.54	0	70.0	55.0	43.3	
7-8 AM	836	0.0	1500	836	0	0.57	0	69.7	54.2	42.3	
8-9 AM	1241	0.0	1499	1241	0	0.75	0	69.2	50.2	37.5	
9-10 AM	1815	0.0	1499	1815	0	4.74	126	68.5	20.4	30.8	
10-11 AM	2228	0.0	1499	1551	676	16.41+	401	67.9	8.0	30.8	
11AM-NOON	2513	0.0	1500	1507	1006	16.64+	407	67.6	7.9	30.8	
NOON-1PM	3055	0.0	1500	1511	1545	16.69+	409	66.9	7.9	30.8	
1-2 PM	2887	0.0	1500	1510	1378	16.67+	409	67.1	7.9	30.8	
2-3 PM	3000	0.0	1500	1506	1493	16.70+	409	67.0	7.9	30.8	
3-4 PM	3087	0.0	1500	1504	1583	16.72+	410	66.9	7.9	30.8	
4-5 PM	3353	0.0	1500	1500	1853	16.73+	411	66.6	7.9	30.8	
5-6 PM	3001	0.0	1500	1502	1498	16.70+	409	67.0	7.9	30.8	
6-7 PM	2383	0.0	1500	1500	883	16.61+	407	67.8	7.9	30.8	
7-8 PM	2017	0.0	1500	1500	517	16.62+	406	68.2	7.9	30.8	
8-9 PM	1589	0.0	1500	1500	89	16.61+	406	68.7	7.9	30.8	
9-10 PM	1307	0.0	1499	1307	0	13.33+	326	69.1	9.3	30.8	
10-11 PM	1048	0.0	1499	1048	0	1.86	62	69.4	35.8	38.5	
11PM-MID	597	0.0	1500	597	0	0.54	0	70.0	54.8	43.2	

+ 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	0.0142
MAIN ROUTE WITH WORKS	0.0079
'DIVERSION'	0.0106

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$144,675
CONGESTED HOURS PER DAY*	12

\*Delays Exceeding User-Specified Maximum

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**SUNDAY NORTHBOUND DIRECTION**

