

**USH 45: STH 145 TO CTH E (MILWAUKEE COUNTY)  
CONTINUOUS (24 HOUR) 2 LANE CLOSURE  
NO DIVERSION ROUTE (MAX QUEUE METHOD)**

**MAY**  
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	345	0.0	1500	345	0	0.51	0	70.2	55.6	44.1	
1-2 AM	223	0.0	1500	223	0	0.50	0	70.2	56.0	44.6	
2-3 AM	224	0.0	1500	224	0	0.50	0	70.2	56.0	44.6	
3-4 AM	348	0.0	1500	348	0	0.51	0	70.2	55.6	44.1	
4-5 AM	695	0.0	1500	695	0	0.55	0	69.9	54.5	42.8	
5-6 AM	2134	0.0	1499	2134	0	5.10+	197	68.1	19.7	30.8	
6-7 AM	4533	0.0	1500	1256	3277	15.83+	401	59.9	8.1	35.3	
7-8 AM	5538	0.0	1500	1500	4038	16.15+	411	53.0	7.9	30.8	
8-9 AM	4385	0.0	1500	1500	2885	16.52+	411	60.9	7.9	30.8	
9-10 AM	3346	0.0	1500	1502	1844	16.72+	410	66.6	7.9	30.8	
10-11 AM	3242	0.0	1500	1502	1740	16.73+	410	66.7	7.9	30.8	
11AM-NOON	3367	0.0	1500	1500	1867	16.73+	411	66.6	7.9	30.8	
NOON-1PM	3354	0.0	1500	1500	1854	16.73+	411	66.6	7.9	30.8	
1-2 PM	3366	0.0	1500	1500	1866	16.73+	411	66.6	7.9	30.8	
2-3 PM	3991	0.0	1500	1500	2491	16.62+	411	63.6	7.9	30.8	
3-4 PM	4463	0.0	1500	1500	2963	16.50+	411	60.4	7.9	30.8	
4-5 PM	4386	0.0	1500	1500	2886	16.52+	411	60.9	7.9	30.8	
5-6 PM	4262	0.0	1500	1500	2762	16.55+	411	61.7	7.9	30.8	
6-7 PM	3096	0.0	1500	1503	1593	16.69+	409	66.9	7.9	30.8	
7-8 PM	2104	0.0	1500	1500	604	16.62+	406	68.1	7.9	30.8	
8-9 PM	1746	0.0	1500	1500	245	16.62+	406	68.6	7.9	30.8	
9-10 PM	1452	0.0	1500	1441	11	15.91+	388	68.9	8.2	30.8	
10-11 PM	1053	0.0	1499	1053	0	3.60	144	69.4	24.7	37.0	
11PM-MID	875	0.0	1500	875	0	0.57	0	69.7	54.0	42.1	

+ 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

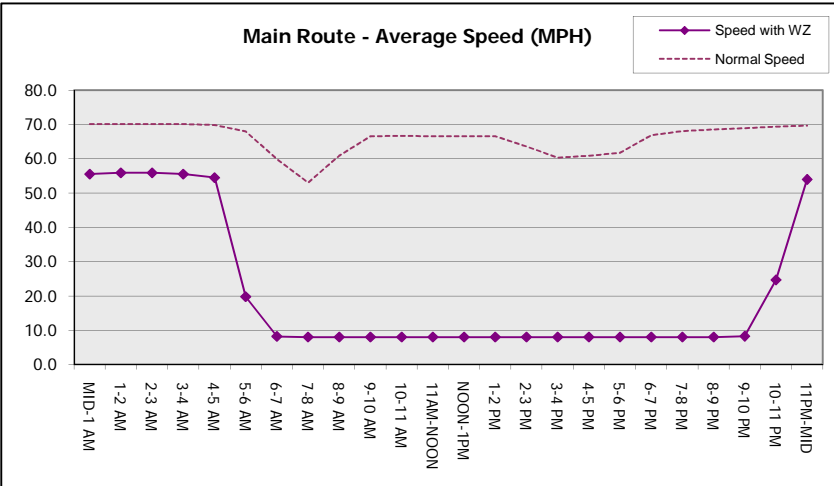
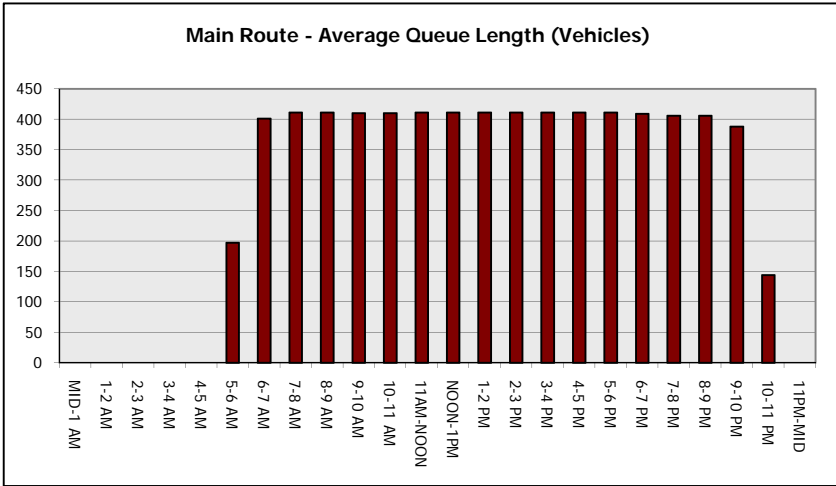
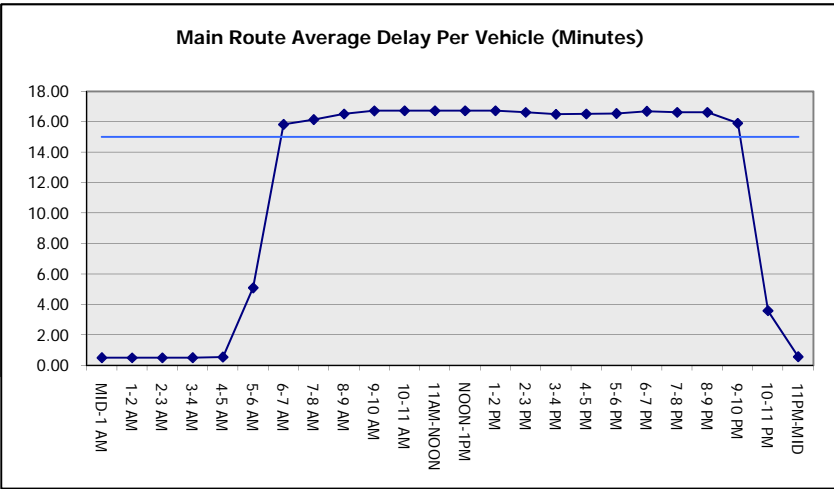
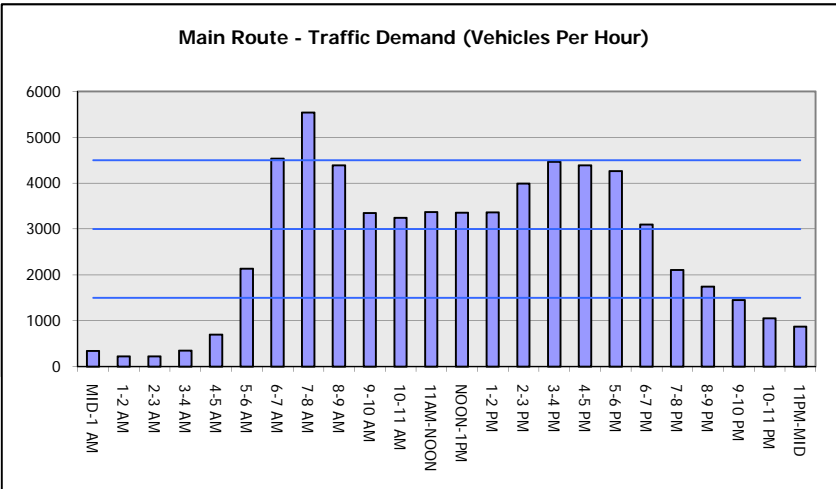
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0229
MAIN ROUTE WITH WORKS	0.0089
'DIVERSION'	0.0279
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$207,583
CONGESTED HOURS PER DAY*	17

\*Delays Exceeding User-Specified Maximum

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



<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>
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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	431	0.0	1500	431	0	0.53	0	70.2	55.4	43.8
1-2 AM	291	0.0	1500	291	0	0.51	0	70.2	55.8	44.3
2-3 AM	254	0.0	1500	254	0	0.50	0	70.2	55.8	44.5
3-4 AM	314	0.0	1500	314	0	0.51	0	70.2	55.7	44.2
4-5 AM	608	0.0	1500	608	0	0.54	0	70.0	54.8	43.1
5-6 AM	1935	0.0	1499	1935	0	3.42	121	68.3	25.3	30.8
6-7 AM	3702	0.0	1499	1500	2202	16.69+	411	65.6	7.9	30.8
7-8 AM	4603	0.0	1500	1500	3103	16.46+	411	59.4	7.9	30.8
8-9 AM	3959	0.0	1500	1500	2459	16.63+	411	63.8	7.9	30.8
9-10 AM	2933	0.0	1499	1491	1442	16.68+	409	67.1	7.9	30.8
10-11 AM	2811	0.0	1499	1493	1318	16.66+	408	67.3	7.9	30.8
11AM-NOON	3038	0.0	1499	1496	1541	16.71+	410	66.9	7.9	30.8
NOON-1PM	3216	0.0	1499	1500	1716	16.73+	411	66.8	7.9	30.8
1-2 PM	3441	0.0	1500	1500	1941	16.72+	411	66.4	7.9	30.8
2-3 PM	4213	0.0	1500	1500	2713	16.56+	411	62.1	7.9	30.8
3-4 PM	5022	0.0	1500	1500	3522	16.33+	411	56.6	7.9	30.8
4-5 PM	5640	0.0	1500	1500	4140	16.11+	411	52.4	7.9	30.8
5-6 PM	5573	0.0	1500	1500	4073	16.14+	411	52.8	7.9	30.8
6-7 PM	3441	0.0	1500	1499	1942	16.71+	410	66.4	7.9	30.8
7-8 PM	2353	0.0	1500	1500	853	16.61+	407	67.8	7.9	30.8
8-9 PM	2053	0.0	1499	1500	553	16.62+	406	68.2	7.9	30.8
9-10 PM	1853	0.0	1500	1500	353	16.62+	406	68.4	7.9	30.8
10-11 PM	1520	0.0	1500	1448	73	16.25+	397	68.9	8.1	30.8
11PM-MID	852	0.0	1499	852	0	2.56	123	69.7	30.4	39.3

+ 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	0.0234
MAIN ROUTE WITH WORKS	0.0090
'DIVERSION'	0.0288

PIA: Personal Injury Accidents

ROAD USER COSTS PER DAY	\$216,186
CONGESTED HOURS PER DAY*	17

\*Delays Exceeding User-Specified Maximum

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