

<b>USH 41/45: CTH Q TO STH 145 (WAUKESHA AND MILWAUKEE COUNTIES)</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**

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	385	0.0	1500	385	0	0.52	0	70.2	62.0	44.0	
1-2 AM	243	0.0	1500	243	0	0.50	0	70.2	62.2	44.5	
2-3 AM	235	0.0	1500	235	0	0.50	0	70.2	62.2	44.5	
3-4 AM	381	0.0	1500	381	0	0.52	0	70.2	62.0	44.0	
4-5 AM	814	0.0	1500	814	0	0.57	0	69.7	61.0	42.4	
5-6 AM	2664	0.0	1499	1789	875	9.85+	272	67.4	19.8	32.3	
6-7 AM	5500	0.0	1500	1500	4000	15.03+	400	53.3	13.7	33.8	
7-8 AM	6342	0.0	1500	1500	4842	14.40+	399	47.5	13.7	33.8	
8-9 AM	4109	0.0	1500	1500	2609	15.81+	400	62.8	13.7	33.8	
9-10 AM	3074	0.0	1500	1500	1574	16.08+	400	66.9	13.7	33.8	
10-11 AM	2959	0.0	1500	1500	1459	16.09+	400	67.1	13.7	33.8	
11AM-NOON	2988	0.0	1500	1500	1488	16.09+	400	67.0	13.7	33.8	
NOON-1PM	3077	0.0	1500	1500	1577	16.08+	400	66.9	13.7	33.8	
1-2 PM	3121	0.0	1500	1500	1621	16.08+	400	66.9	13.7	33.8	
2-3 PM	3620	0.0	1500	1500	2120	16.04+	400	66.1	13.7	33.8	
3-4 PM	3995	0.0	1500	1500	2495	15.87+	400	63.6	13.7	33.8	
4-5 PM	3945	0.0	1500	1500	2445	15.89+	400	63.9	13.7	33.8	
5-6 PM	3502	0.0	1500	1500	2002	16.05+	400	66.4	13.7	33.8	
6-7 PM	2653	0.0	1500	1536	1117	16.06+	396	67.4	13.7	32.4	
7-8 PM	1976	0.0	1500	1546	430	16.14+	394	68.2	13.7	30.8	
8-9 PM	1711	0.0	1499	1522	189	16.26+	397	68.6	13.6	30.8	
9-10 PM	1465	0.0	1500	1451	14	15.77+	384	68.9	14.0	30.8	
10-11 PM	1128	0.0	1499	1128	0	6.01	178	69.3	27.6	34.8	
11PM-MID	834	0.0	1500	834	0	0.57	0	69.7	60.9	42.3	

+ 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

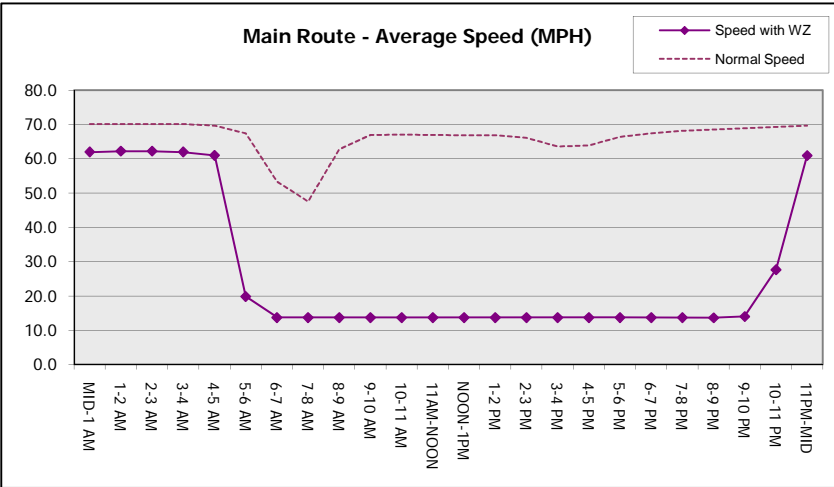
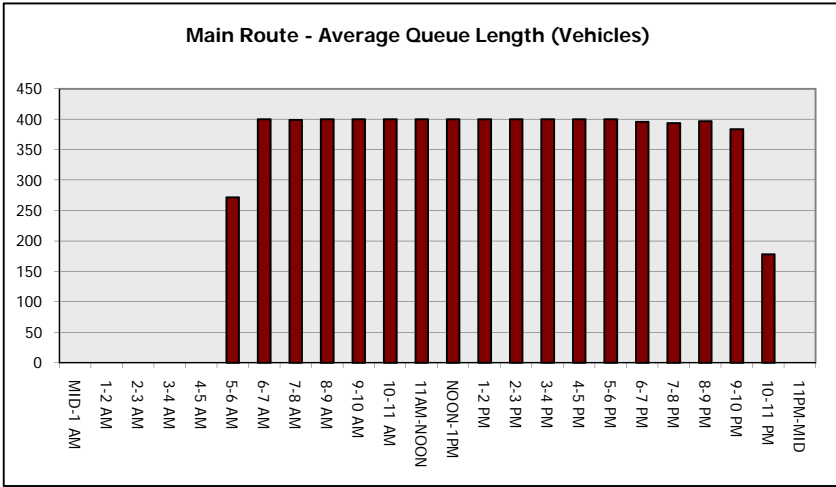
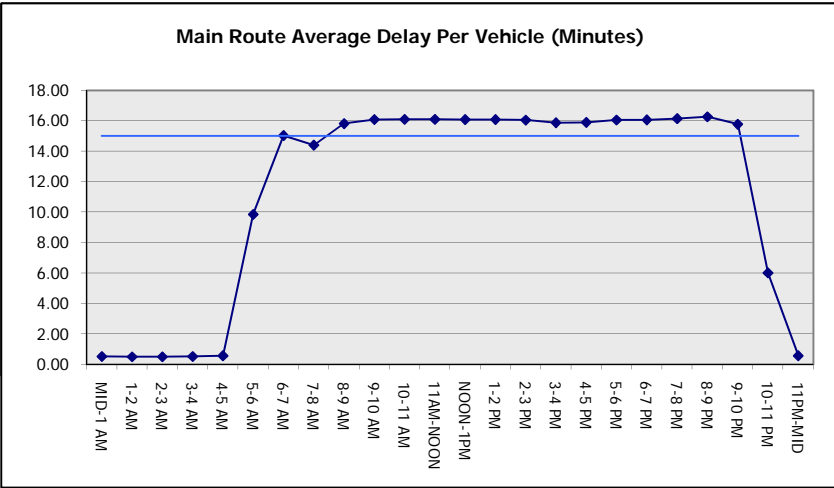
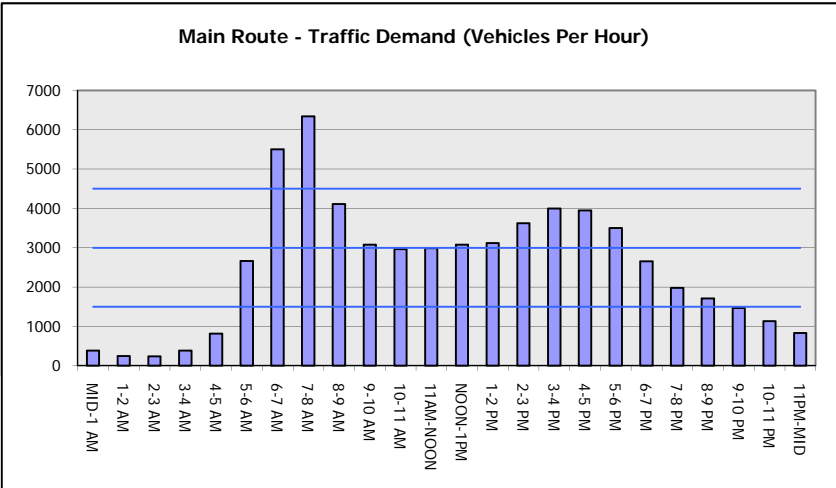
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0444
MAIN ROUTE WITH WORKS	0.0199
'DIVERSION'	0.0523
<small>PIA: Personal Injury Accidents</small>	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$190,230
CONGESTED HOURS PER DAY*	17

\*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**  
**MON-THUR SOUTHBOUND DIRECTION**



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	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	408	0.0	1500	408	0	0.52	0	70.2	61.9	43.8	
1-2 AM	275	0.0	1500	275	0	0.51	0	70.2	62.2	44.4	
2-3 AM	242	0.0	1500	242	0	0.50	0	70.2	62.2	44.5	
3-4 AM	294	0.0	1500	294	0	0.51	0	70.2	62.2	44.3	
4-5 AM	615	0.0	1500	615	0	0.55	0	70.0	61.5	43.1	
5-6 AM	1694	0.0	1499	1694	0	2.58	62	68.6	41.8	32.0	
6-7 AM	3052	0.0	1499	1571	1481	16.00+	394	66.9	13.7	31.2	
7-8 AM	3029	0.0	1500	1500	1529	16.20+	400	66.9	13.5	31.7	
8-9 AM	2765	0.0	1500	1500	1265	16.22+	400	67.3	13.5	31.7	
9-10 AM	2470	0.0	1500	1500	970	16.25+	400	67.7	13.5	31.7	
10-11 AM	2546	0.0	1500	1500	1046	16.24+	400	67.6	13.5	31.7	
11AM-NOON	2867	0.0	1500	1500	1367	16.22+	400	67.2	13.5	31.7	
NOON-1PM	2988	0.0	1500	1500	1488	16.21+	400	67.0	13.5	31.7	
1-2 PM	3177	0.0	1500	1500	1677	16.19+	400	66.8	13.5	31.7	
2-3 PM	4257	0.0	1500	1500	2757	15.86+	400	61.8	13.5	31.7	
3-4 PM	5427	0.0	1500	1500	3927	15.20+	400	53.8	13.5	31.7	
4-5 PM	6262	0.0	1500	1500	4762	14.59+	400	48.1	13.5	31.7	
5-6 PM	5754	0.0	1500	1500	4254	14.97+	400	51.5	13.5	31.7	
6-7 PM	3248	0.0	1500	1500	1748	16.19+	400	66.7	13.5	31.7	
7-8 PM	2242	0.0	1500	1536	706	16.14+	396	67.9	13.7	31.2	
8-9 PM	1904	0.0	1499	1508	397	16.31+	399	68.4	13.5	30.8	
9-10 PM	1664	0.0	1500	1529	135	16.23+	396	68.7	13.6	30.8	
10-11 PM	1404	0.0	1500	1404	0	15.26+	372	69.0	14.3	30.8	
11PM-MID	799	0.0	1499	799	0	2.22	76	69.7	44.6	41.4	

+ 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	0.0435
MAIN ROUTE WITH WORKS	0.0199
'DIVERSION'	0.0500

PIA: Personal Injury Accidents

ROAD USER COSTS PER DAY	\$187,942
CONGESTED HOURS PER DAY*	17

\*Delays Exceeding User-Specified Maximum

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**MON-THUR NORTHBOUND DIRECTION**

