

<b>USH 45: STH 145 TO CTH E (MILWAUKEE COUNTY)</b> <b>NIGHTTIME 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**

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	415	0.0	1500	415	0	0.52	0	70.2	55.4	43.8	
1-2 AM	272	0.0	1500	272	0	0.51	0	70.2	55.8	44.4	
2-3 AM	258	0.0	1500	258	0	0.50	0	70.2	55.8	44.5	
3-4 AM	361	0.0	1500	361	0	0.52	0	70.2	55.6	44.0	
4-5 AM	723	0.0	1500	723	0	0.56	0	69.9	54.5	42.7	
5-6 AM	2116	0.0	OFF	2116	0	0.00	0	68.1	68.1	68.1	
6-7 AM	4338	0.0	OFF	4338	0	0.00	0	61.2	61.2	61.2	
7-8 AM	5600	0.0	OFF	5600	0	0.00	0	52.6	52.6	52.6	
8-9 AM	4333	0.0	OFF	4333	0	0.00	0	61.2	61.2	61.2	
9-10 AM	3498	0.0	OFF	3498	0	0.00	0	66.4	66.4	66.4	
10-11 AM	3392	0.0	OFF	3392	0	0.00	0	66.5	66.5	66.5	
11AM-NOON	3633	0.0	OFF	3633	0	0.00	0	66.0	66.0	66.0	
NOON-1PM	3725	0.0	OFF	3725	0	0.00	0	65.4	65.4	65.4	
1-2 PM	3633	0.0	OFF	3633	0	0.00	0	66.0	66.0	66.0	
2-3 PM	4322	0.0	OFF	4322	0	0.00	0	61.4	61.4	61.4	
3-4 PM	4753	0.0	OFF	4753	0	0.00	0	58.4	58.4	58.4	
4-5 PM	4691	0.0	OFF	4691	0	0.00	0	58.8	58.8	58.8	
5-6 PM	4437	0.0	OFF	4437	0	0.00	0	60.5	60.5	60.5	
6-7 PM	3422	0.0	OFF	3422	0	0.00	0	66.5	66.5	66.5	
7-8 PM	2386	0.0	1499	1864	522	13.29+	329	67.8	9.3	32.5	
8-9 PM	1764	0.0	1499	1542	223	16.43+	401	68.6	8.0	30.8	
9-10 PM	1649	0.0	1500	1500	149	16.62+	406	68.7	7.9	30.8	
10-11 PM	1326	0.0	1499	1326	0	13.73+	335	69.1	9.0	30.8	
11PM-MID	1118	0.0	1499	1118	0	2.59	92	69.4	30.1	36.9	

"OFF" INDICATES NO ROAD WORK (ALL LANES OPEN TO TRAFFIC)

+ INDICATES QUEUEING EXCEEDS USER-SPECIFIED MAXIMUM LIMIT

*----- SITE BREAKDOWN DELAYS -----*	
BREAKDOWN DURATION (MINS)	0
RANGE OF QUEUE DELAY - MIN	0.0
(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	0
(VEH-H) MAX	0
AV BREAKDOWNS PER DAY	0
AV QUEUE DELAY/DAY (VEH-H)	0
AV TOTAL DELAY/DAY (VEH-H)	0

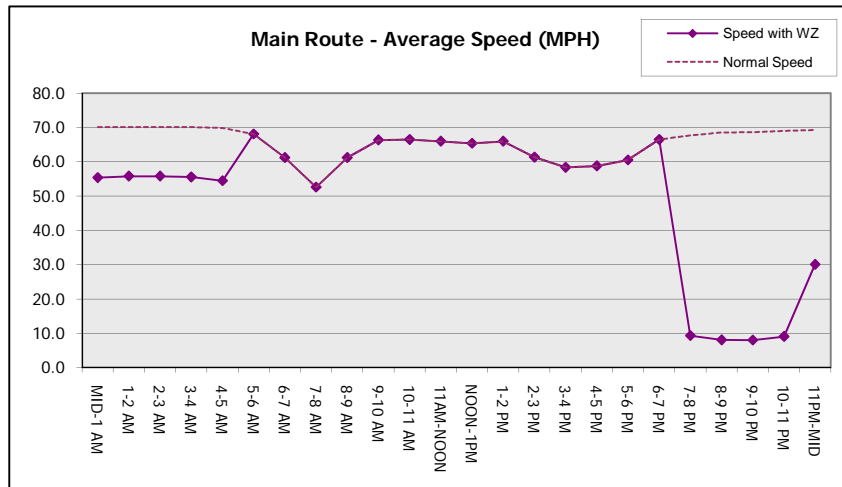
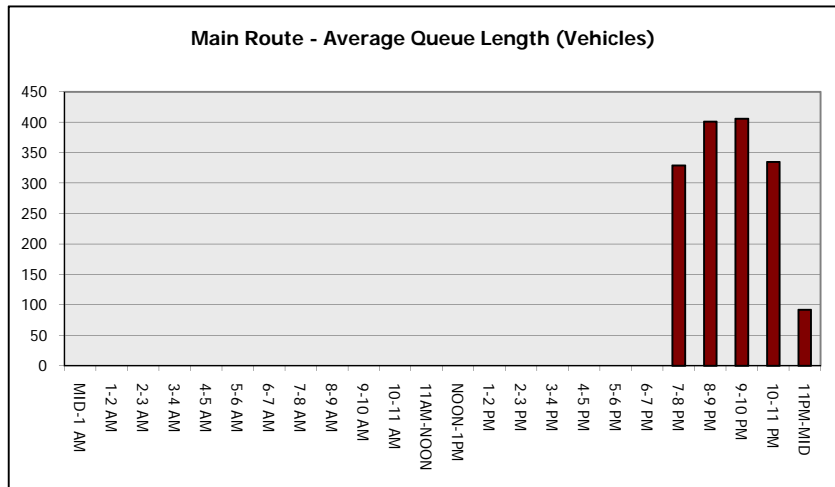
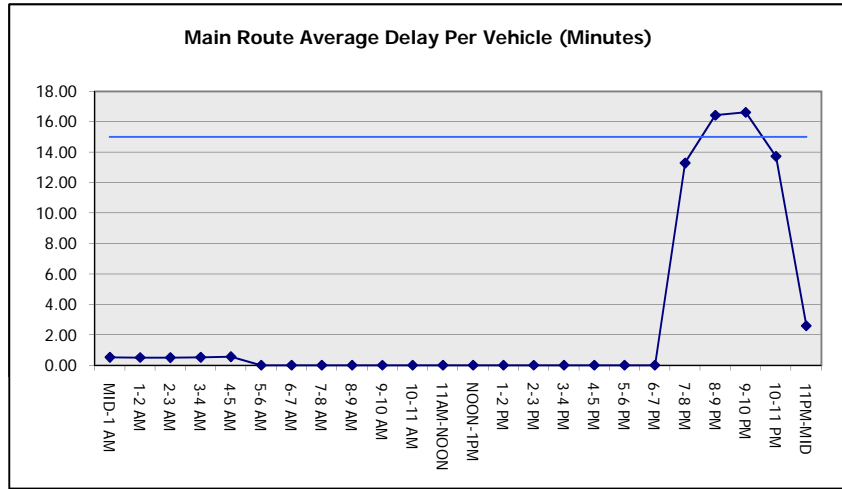
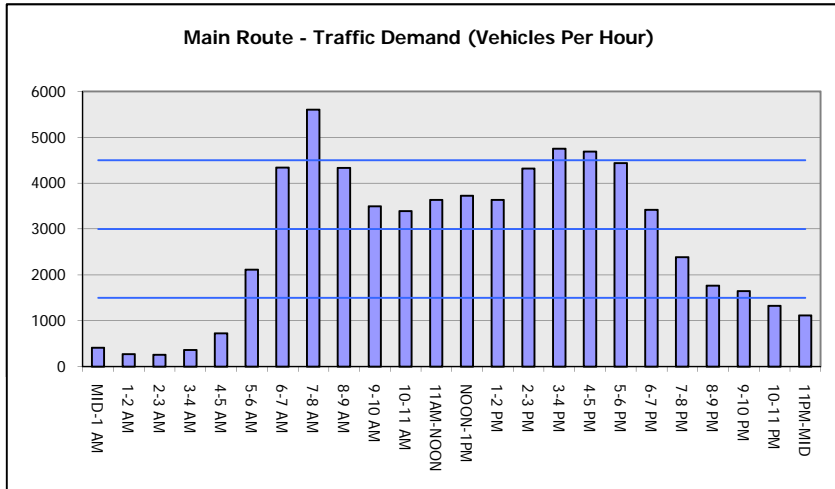
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0242
MAIN ROUTE WITH WORKS	0.0233
'DIVERSION'	0.0008
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$26,221
CONGESTED HOURS PER DAY*	4

\*Delays Exceeding User-Specified Maximum

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

**MAY**  
Analyzed for 2009  
Construction Season

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



<b>USH 45: STH 145 TO CTH E (MILWAUKEE COUNTY)</b> <b>NIGHTTIME 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**

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	585	0.0	1500	585	0	0.99	27	70.0	46.6	43.0	
1-2 AM	374	0.0	1500	374	0	0.52	0	70.2	55.5	44.0	
2-3 AM	323	0.0	1500	323	0	0.51	0	70.2	55.6	44.2	
3-4 AM	373	0.0	1500	373	0	0.52	0	70.2	55.5	44.0	
4-5 AM	667	0.0	1500	667	0	0.55	0	69.9	54.6	42.8	
5-6 AM	1955	0.0	OFF	1955	0	0.00	0	68.3	68.3	68.3	
6-7 AM	3849	0.0	OFF	3849	0	0.00	0	64.6	64.6	64.6	
7-8 AM	4705	0.0	OFF	4705	0	0.00	0	58.7	58.7	58.7	
8-9 AM	3889	0.0	OFF	3889	0	0.00	0	64.3	64.3	64.3	
9-10 AM	3394	0.0	OFF	3394	0	0.00	0	66.5	66.5	66.5	
10-11 AM	3309	0.0	OFF	3309	0	0.00	0	66.6	66.6	66.6	
11AM-NOON	3618	0.0	OFF	3618	0	0.00	0	66.1	66.1	66.1	
NOON-1PM	3893	0.0	OFF	3893	0	0.00	0	64.3	64.3	64.3	
1-2 PM	4211	0.0	OFF	4211	0	0.00	0	62.1	62.1	62.1	
2-3 PM	4913	0.0	OFF	4913	0	0.00	0	57.3	57.3	57.3	
3-4 PM	5606	0.0	OFF	5606	0	0.00	0	52.5	52.5	52.5	
4-5 PM	6129	0.0	OFF	6129	0	0.00	0	49.0	49.0	49.0	
5-6 PM	5744	0.0	OFF	5744	0	0.00	0	51.6	51.6	51.6	
6-7 PM	4024	0.0	OFF	4024	0	0.00	0	63.3	63.3	63.3	
7-8 PM	2784	0.0	1499	1571	1214	15.80+	393	67.3	8.3	36.5	
8-9 PM	2273	0.0	1499	1877	396	13.32+	340	67.9	9.3	30.9	
9-10 PM	2252	0.0	1499	1498	754	16.62+	407	67.9	7.9	30.8	
10-11 PM	2031	0.0	1499	1498	533	16.62+	406	68.2	7.9	30.8	
11PM-MID	1350	0.0	1499	1265	84	13.88+	342	69.1	9.0	31.0	

"OFF" INDICATES NO ROAD WORK (ALL LANES OPEN TO TRAFFIC)

+ 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	0.0264
MAIN ROUTE WITH WORKS	0.0247
'DIVERSION'	0.0025

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$39,396
CONGESTED HOURS PER DAY*	5

\*Delays Exceeding User-Specified Maximum

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

**MAY**  
 Analyzed for 2009  
 Construction Season

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

