

<b>USH 45: STH 145 TO CTH E (MILWAUKEE COUNTY)</b> <b>CONTINUOUS (24 HOUR) 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	3000	502	0	0.36	0	70.1	59.3	49.7
1-2 AM	301	0.0	3000	301	0	0.36	0	70.2	59.3	49.7
2-3 AM	230	0.0	3000	230	0	0.36	0	70.2	59.3	49.7
3-4 AM	182	0.0	3000	182	0	0.36	0	70.2	59.3	49.7
4-5 AM	204	0.0	3000	204	0	0.36	0	70.2	59.3	49.7
5-6 AM	325	0.0	3000	325	0	0.36	0	70.2	59.3	49.7
6-7 AM	641	0.0	3000	641	0	0.36	0	69.9	59.2	49.7
7-8 AM	886	0.0	3000	886	0	0.35	0	69.6	59.1	49.7
8-9 AM	1307	0.0	3000	1307	0	0.35	0	69.1	58.9	49.7
9-10 AM	2009	0.0	2999	2009	0	0.33	0	68.2	58.6	49.7
10-11 AM	2826	0.0	2999	2826	0	0.62	0	67.2	51.7	40.4
11AM-NOON	3442	0.0	3000	3442	0	3.69	199	66.4	24.0	37.3
NOON-1PM	3595	0.0	3000	3432	163	13.56+	721	66.3	11.5	37.3
1-2 PM	3432	0.0	3000	3002	430	16.69+	880	66.4	10.5	37.3
2-3 PM	3388	0.0	3000	3001	387	16.69+	880	66.5	10.6	37.3
3-4 PM	3212	0.0	3000	3000	212	16.67+	879	66.8	10.6	37.3
4-5 PM	3176	0.0	2999	3000	176	16.67+	878	66.8	10.6	37.3
5-6 PM	2903	0.0	2999	2903	0	16.11+	847	67.1	10.7	37.3
6-7 PM	2614	0.0	2999	2614	0	11.61+	607	67.5	12.3	37.3
7-8 PM	2285	0.0	2999	2285	0	1.61	125	67.9	37.9	45.9
8-9 PM	1837	0.0	3000	1837	0	0.34	0	68.4	58.6	49.7
9-10 PM	1381	0.0	3000	1381	0	0.34	0	69.0	58.9	49.7
10-11 PM	981	0.0	3000	981	0	0.35	0	69.5	59.1	49.7
11PM-MID	605	0.0	3000	605	0	0.36	0	70.0	59.2	49.7

+ 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

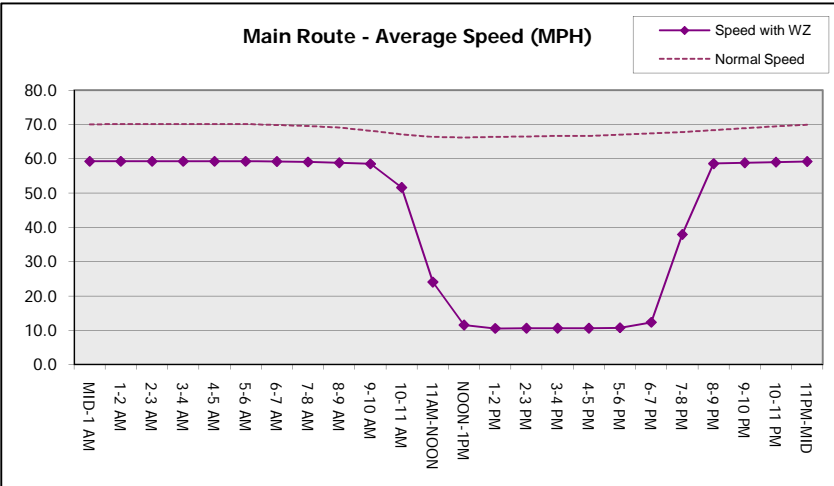
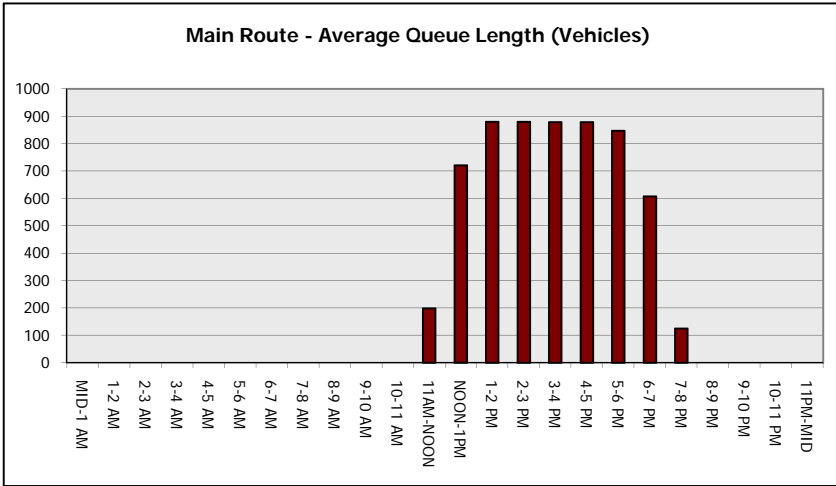
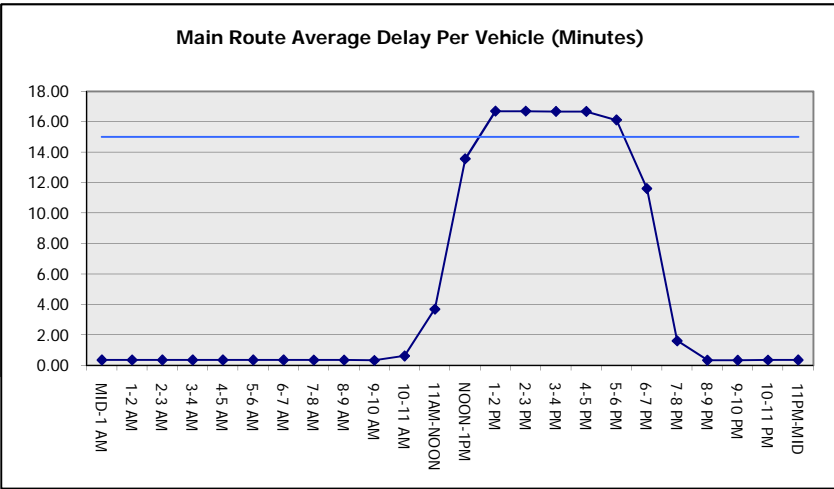
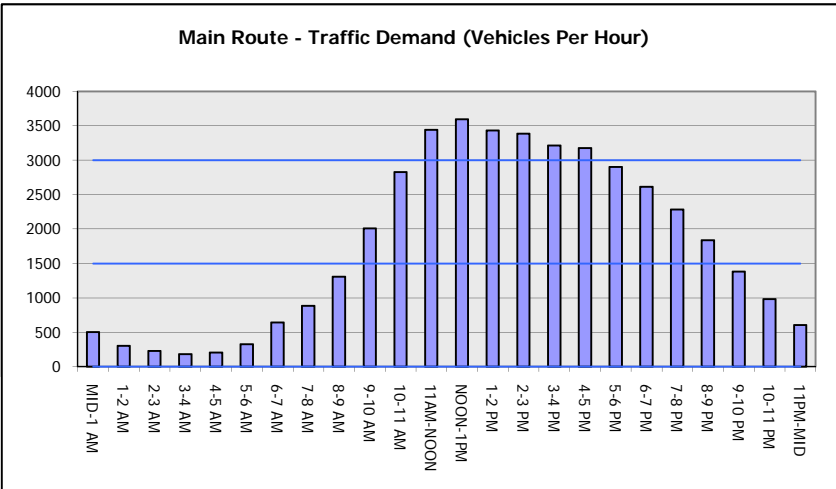
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0155
MAIN ROUTE WITH WORKS	0.0123
'DIVERSION'	0.0012
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$104,968
CONGESTED HOURS PER DAY*	7

\*Delays Exceeding User-Specified Maximum

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**MAY**  
Analyzed for 2009  
Construction Season

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



<b>USH 45: STH 145 TO CTH E (MILWAUKEE COUNTY)</b> <b>CONTINUOUS (24 HOUR) CLOSURE</b> <b>NO DIVERSION ROUTE (MAX QUEUE METHOD)</b>	<b>MAY</b>
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**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	3000	698	0	0.36	0	69.9	59.2	49.7
1-2 AM	433	0.0	3000	433	0	0.36	0	70.2	59.3	49.7
2-3 AM	373	0.0	3000	373	0	0.36	0	70.2	59.3	49.7
3-4 AM	226	0.0	3000	226	0	0.36	0	70.2	59.3	49.7
4-5 AM	194	0.0	3000	194	0	0.36	0	70.2	59.3	49.7
5-6 AM	316	0.0	3000	316	0	0.36	0	70.2	59.3	49.7
6-7 AM	561	0.0	3000	561	0	0.36	0	70.0	59.2	49.7
7-8 AM	836	0.0	3000	836	0	0.35	0	69.7	59.1	49.7
8-9 AM	1241	0.0	3000	1241	0	0.35	0	69.2	58.9	49.7
9-10 AM	1815	0.0	3000	1815	0	0.34	0	68.5	58.6	49.7
10-11 AM	2228	0.0	3000	2228	0	0.33	0	67.9	58.4	49.7
11AM-NOON	2513	0.0	2999	2513	0	0.41	0	67.6	56.3	46.6
NOON-1PM	3055	0.0	2999	3055	0	1.00	15	66.9	45.1	37.3
1-2 PM	2887	0.0	2999	2887	0	0.91	14	67.1	46.6	38.6
2-3 PM	3000	0.0	2999	3000	0	0.77	3	67.0	48.7	37.4
3-4 PM	3087	0.0	3000	3087	0	1.49	44	66.9	38.8	37.3
4-5 PM	3353	0.0	3000	3353	0	5.43	278	66.6	18.8	37.3
5-6 PM	3001	0.0	2999	3001	0	9.48	482	67.0	13.4	37.3
6-7 PM	2383	0.0	2999	2383	0	2.53	193	67.8	30.4	43.9
7-8 PM	2017	0.0	3000	2017	0	0.33	0	68.2	58.6	49.7
8-9 PM	1589	0.0	3000	1589	0	0.34	0	68.7	58.7	49.7
9-10 PM	1307	0.0	3000	1307	0	0.35	0	69.1	58.9	49.7
10-11 PM	1048	0.0	3000	1048	0	0.35	0	69.4	59.1	49.7
11PM-MID	597	0.0	3000	597	0	0.36	0	70.0	59.2	49.7

*----- 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	0.0116
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$20,420
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding User-Specified Maximum

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