

USH 45: STH 145 TO CTH E (MILWAUKEE COUNTY) OFF-PEAK DAY CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	AUGUST
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

SATURDAY 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	572	0.0	OFF	572	0	0.00	0	70.0	70.0	70.0
1-2 AM	330	0.0	OFF	330	0	0.00	0	70.2	70.2	70.2
2-3 AM	257	0.0	OFF	257	0	0.00	0	70.2	70.2	70.2
3-4 AM	267	0.0	OFF	267	0	0.00	0	70.2	70.2	70.2
4-5 AM	390	0.0	OFF	390	0	0.00	0	70.2	70.2	70.2
5-6 AM	713	0.0	OFF	713	0	0.00	0	69.9	69.9	69.9
6-7 AM	1183	0.0	OFF	1183	0	0.00	0	69.2	69.2	69.2
7-8 AM	1638	0.0	OFF	1638	0	0.00	0	68.7	68.7	68.7
8-9 AM	2251	0.0	2999	2251	0	0.34	0	67.9	58.2	49.4
9-10 AM	2916	0.0	2999	2916	0	0.77	7	67.1	48.8	39.1
10-11 AM	3385	0.0	3000	3385	0	3.88	202	66.5	23.2	37.3
11AM-NOON	3528	0.0	3000	3528	0	12.67+	674	66.3	11.9	37.3
NOON-1PM	3490	0.0	2999	2972	518	16.69+	881	66.4	10.5	37.3
1-2 PM	3358	0.0	2999	2986	372	16.69+	880	66.6	10.6	37.3
2-3 PM	3502	0.0	2999	2993	509	16.70+	881	66.4	10.5	37.3
3-4 PM	3679	0.0	2999	2996	683	16.69+	883	65.7	10.5	37.3
4-5 PM	3367	0.0	3000	2997	370	16.68+	880	66.6	10.6	37.3
5-6 PM	2678	0.0	2999	2678	0	14.40+	757	67.4	11.2	37.3
6-7 PM	2285	0.0	OFF	2285	0	0.45	42	67.9	55.6	55.6
7-8 PM	1904	0.0	OFF	1904	0	0.00	0	68.4	68.4	68.4
8-9 PM	1576	0.0	OFF	1576	0	0.00	0	68.7	68.7	68.7
9-10 PM	1467	0.0	OFF	1467	0	0.00	0	68.9	68.9	68.9
10-11 PM	1242	0.0	OFF	1242	0	0.00	0	69.2	69.2	69.2
11PM-MID	925	0.0	OFF	925	0	0.00	0	69.6	69.6	69.6

"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

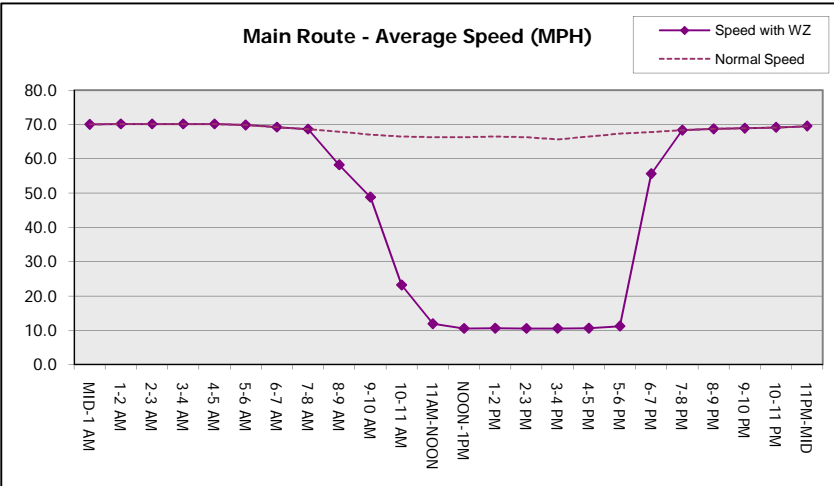
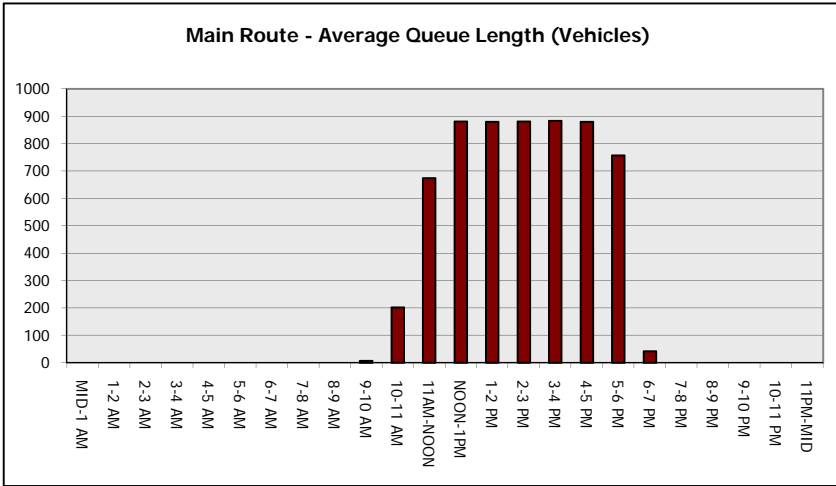
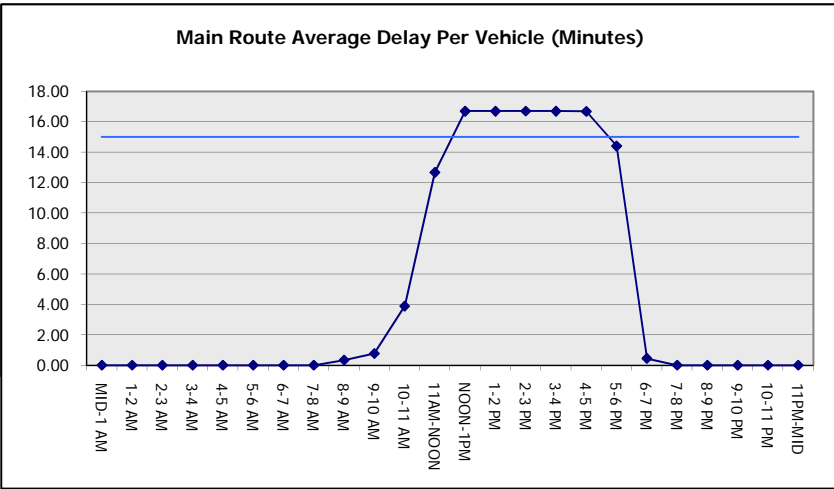
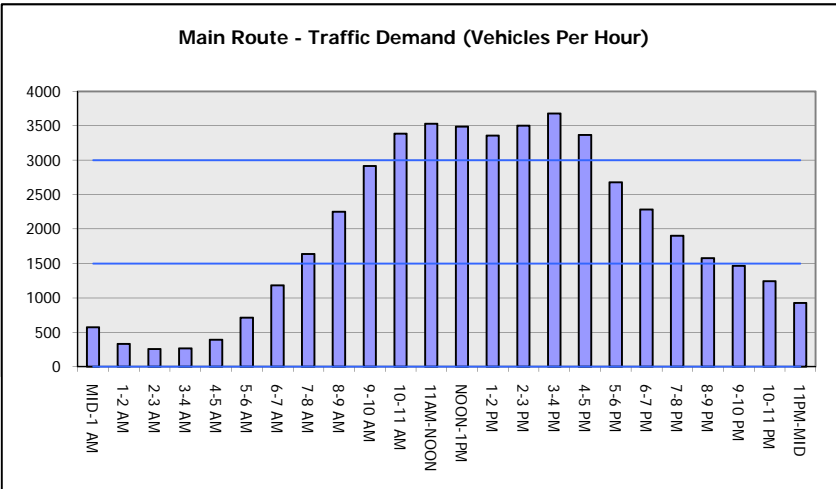
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0172
MAIN ROUTE WITH WORKS	0.0143
'DIVERSION'	0.0021
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$106,676
CONGESTED HOURS PER DAY*	7

*Delays Exceeding User-Specified Maximum

**USH 45: STH 145 TO CTH E (MILWAUKEE COUNTY)
OFF-PEAK DAY CLOSURE
NO DIVERSION ROUTE (MAX QUEUE METHOD)**

AUGUST
Analyzed for 2009
Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SATURDAY SOUTHBOUND DIRECTION



USH 45: STH 145 TO CTH E (MILWAUKEE COUNTY) OFF-PEAK DAY CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	AUGUST
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

SATURDAY 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	978	0.0	OFF	978	0	0.00	0	69.5	69.5	69.5	
1-2 AM	544	0.0	OFF	544	0	0.00	0	70.0	70.0	70.0	
2-3 AM	432	0.0	OFF	432	0	0.00	0	70.2	70.2	70.2	
3-4 AM	321	0.0	OFF	321	0	0.00	0	70.2	70.2	70.2	
4-5 AM	402	0.0	OFF	402	0	0.00	0	70.2	70.2	70.2	
5-6 AM	779	0.0	OFF	779	0	0.00	0	69.7	69.7	69.7	
6-7 AM	1359	0.0	OFF	1359	0	0.00	0	69.1	69.1	69.1	
7-8 AM	1796	0.0	OFF	1796	0	0.00	0	68.5	68.5	68.5	
8-9 AM	2283	0.0	3000	2283	0	0.33	0	67.9	58.4	49.7	
9-10 AM	2700	0.0	2999	2700	0	0.53	0	67.4	53.5	42.5	
10-11 AM	3066	0.0	2999	3066	0	1.00	16	66.9	45.1	37.3	
11AM-NOON	3245	0.0	3000	3245	0	3.62	171	66.7	24.3	37.3	
NOON-1PM	3613	0.0	3000	3613	0	11.31+	607	66.2	12.5	37.3	
1-2 PM	3586	0.0	2999	2982	605	16.71+	882	66.3	10.5	37.3	
2-3 PM	3623	0.0	2999	2990	634	16.70+	882	66.1	10.5	37.3	
3-4 PM	3670	0.0	2999	2994	675	16.69+	883	65.8	10.5	37.3	
4-5 PM	3173	0.0	3000	2995	178	16.67+	878	66.8	10.6	37.3	
5-6 PM	3017	0.0	2999	2959	58	16.54+	871	67.0	10.6	37.3	
6-7 PM	2405	0.0	OFF	2405	0	1.02	99	67.8	45.1	45.1	
7-8 PM	2112	0.0	OFF	2112	0	0.00	0	68.1	68.1	68.1	
8-9 PM	2031	0.0	OFF	2031	0	0.00	0	68.2	68.2	68.2	
9-10 PM	2156	0.0	OFF	2156	0	0.00	0	68.1	68.1	68.1	
10-11 PM	1828	0.0	OFF	1828	0	0.00	0	68.4	68.4	68.4	
11PM-MID	1140	0.0	OFF	1140	0	0.00	0	69.3	69.3	69.3	

"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	0.0184
MAIN ROUTE WITH WORKS	0.0156
'DIVERSION'	0.0018

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$94,122
CONGESTED HOURS PER DAY*	6

*Delays Exceeding User-Specified Maximum

**USH 45: STH 145 TO CTH E (MILWAUKEE COUNTY)
OFF-PEAK DAY CLOSURE
NO DIVERSION ROUTE (MAX QUEUE METHOD)**

AUGUST
Analyzed for 2009
Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SATURDAY NORTHBOUND DIRECTION

