

USH 45: STH 145 TO CTH E (MILWAUKEE COUNTY) NIGHTTIME 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	3000	572	0	0.36	0	70.0	59.2	49.7
1-2 AM	330	0.0	3000	330	0	0.36	0	70.2	59.3	49.7
2-3 AM	257	0.0	3000	257	0	0.36	0	70.2	59.3	49.7
3-4 AM	267	0.0	3000	267	0	0.36	0	70.2	59.3	49.7
4-5 AM	390	0.0	3000	390	0	0.36	0	70.2	59.3	49.7
5-6 AM	713	0.0	3000	713	0	0.36	0	69.9	59.2	49.7
6-7 AM	1183	0.0	3000	1183	0	0.35	0	69.2	58.9	49.7
7-8 AM	1638	0.0	3000	1638	0	0.34	0	68.7	58.7	49.7
8-9 AM	2251	0.0	OFF	2251	0	0.00	0	67.9	67.9	67.9
9-10 AM	2916	0.0	OFF	2916	0	0.00	0	67.1	67.1	67.1
10-11 AM	3385	0.0	OFF	3385	0	0.00	0	66.5	66.5	66.5
11AM-NOON	3528	0.0	OFF	3528	0	0.00	0	66.3	66.3	66.3
NOON-1PM	3490	0.0	OFF	3490	0	0.00	0	66.4	66.4	66.4
1-2 PM	3358	0.0	OFF	3358	0	0.00	0	66.6	66.6	66.6
2-3 PM	3502	0.0	OFF	3502	0	0.00	0	66.4	66.4	66.4
3-4 PM	3679	0.0	OFF	3679	0	0.00	0	65.7	65.7	65.7
4-5 PM	3367	0.0	OFF	3367	0	0.00	0	66.6	66.6	66.6
5-6 PM	2678	0.0	OFF	2678	0	0.00	0	67.4	67.4	67.4
6-7 PM	2285	0.0	3000	2285	0	0.33	0	67.9	58.4	49.7
7-8 PM	1904	0.0	3000	1904	0	0.34	0	68.4	58.6	49.7
8-9 PM	1576	0.0	3000	1576	0	0.34	0	68.7	58.7	49.7
9-10 PM	1467	0.0	3000	1467	0	0.34	0	68.9	58.8	49.7
10-11 PM	1242	0.0	3000	1242	0	0.35	0	69.2	58.9	49.7
11PM-MID	925	0.0	3000	925	0	0.35	0	69.6	59.1	49.7

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

----- 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	0.0172
MAIN ROUTE WITH WORKS	0.0162
'DIVERSION'	0.0000
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$1,143
CONGESTED HOURS PER DAY*	0

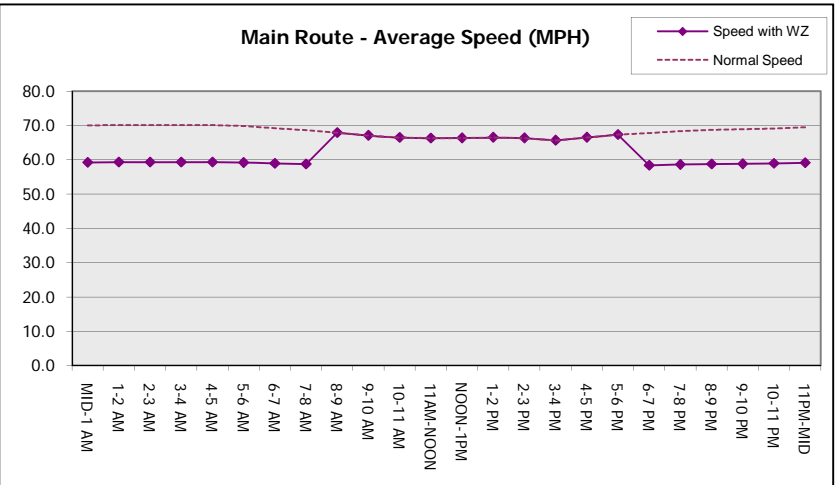
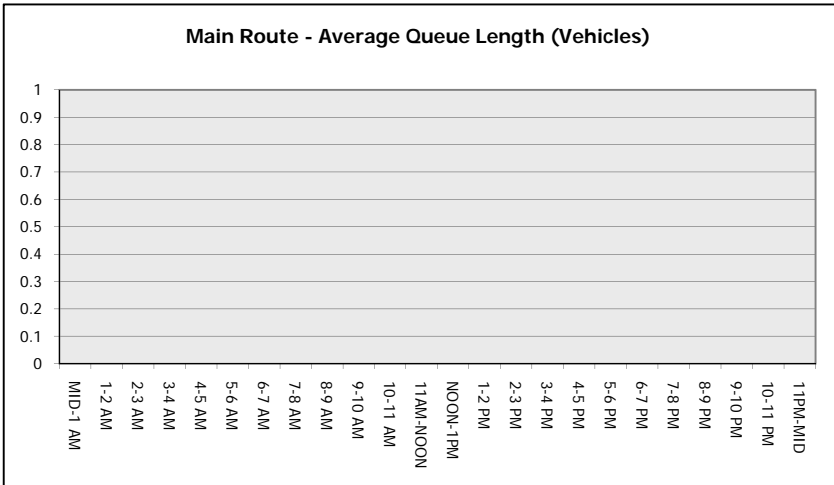
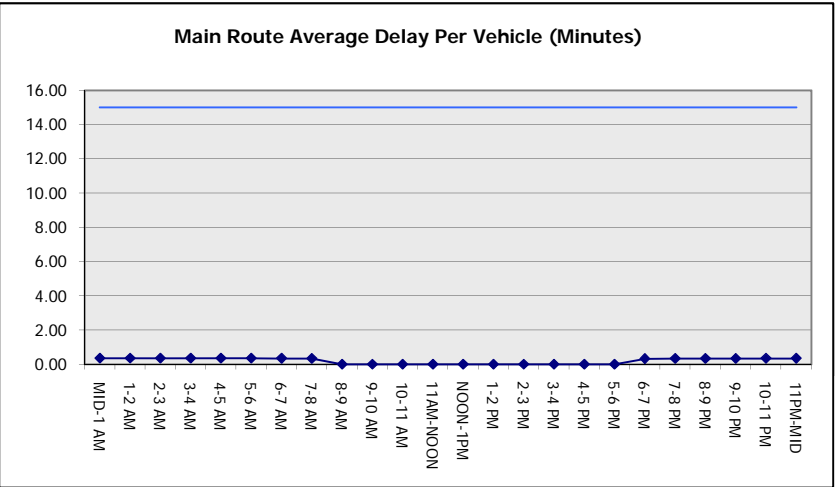
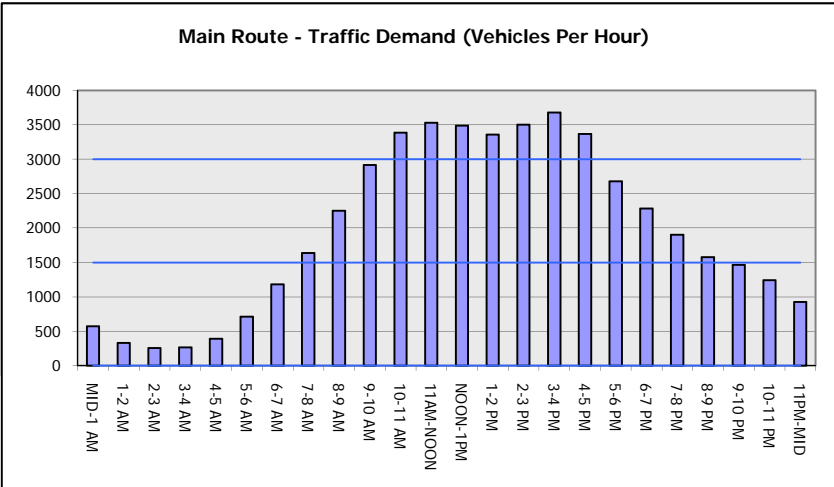
*Delays Exceeding User-Specified Maximum

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AUGUST
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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT

SATURDAY SOUTHBOUND DIRECTION



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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	3000	978	0	0.35	0	69.5	59.1	49.7
1-2 AM	544	0.0	3000	544	0	0.36	0	70.0	59.3	49.7
2-3 AM	432	0.0	3000	432	0	0.36	0	70.2	59.3	49.7
3-4 AM	321	0.0	3000	321	0	0.36	0	70.2	59.3	49.7
4-5 AM	402	0.0	3000	402	0	0.36	0	70.2	59.3	49.7
5-6 AM	779	0.0	3000	779	0	0.35	0	69.7	59.2	49.7
6-7 AM	1359	0.0	3000	1359	0	0.34	0	69.1	58.9	49.7
7-8 AM	1796	0.0	3000	1796	0	0.34	0	68.5	58.6	49.7
8-9 AM	2283	0.0	OFF	2283	0	0.00	0	67.9	67.9	67.9
9-10 AM	2700	0.0	OFF	2700	0	0.00	0	67.4	67.4	67.4
10-11 AM	3066	0.0	OFF	3066	0	0.00	0	66.9	66.9	66.9
11AM-NOON	3245	0.0	OFF	3245	0	0.00	0	66.7	66.7	66.7
NOON-1PM	3613	0.0	OFF	3613	0	0.00	0	66.2	66.2	66.2
1-2 PM	3586	0.0	OFF	3586	0	0.00	0	66.3	66.3	66.3
2-3 PM	3623	0.0	OFF	3623	0	0.00	0	66.1	66.1	66.1
3-4 PM	3670	0.0	OFF	3670	0	0.00	0	65.8	65.8	65.8
4-5 PM	3173	0.0	OFF	3173	0	0.00	0	66.8	66.8	66.8
5-6 PM	3017	0.0	OFF	3017	0	0.00	0	67.0	67.0	67.0
6-7 PM	2405	0.0	3000	2405	0	0.34	0	67.8	58.1	49.2
7-8 PM	2112	0.0	3000	2112	0	0.33	0	68.1	58.5	49.7
8-9 PM	2031	0.0	3000	2031	0	0.33	0	68.2	58.6	49.7
9-10 PM	2156	0.0	3000	2156	0	0.33	0	68.1	58.5	49.7
10-11 PM	1828	0.0	3000	1828	0	0.34	0	68.4	58.6	49.7
11PM-MID	1140	0.0	3000	1140	0	0.35	0	69.3	59.0	49.7

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

----- 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	0.0172
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$1,399
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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SATURDAY NORTHBOUND DIRECTION

