

IH 94: USH 18 TO CTH O (WAUKESHA COUNTY) NIGHTTIME CLOSURE NO DIVERSION (MAX QUEUE METHOD)	OCTOBER
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

SUNDAY WESTBOUND 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	1031	0.0	3000	1031	0	0.35	0	69.4	62.0	49.7
1-2 AM	647	0.0	3000	647	0	0.36	0	69.9	62.3	49.7
2-3 AM	545	0.0	3000	545	0	0.36	0	70.0	62.4	49.7
3-4 AM	352	0.0	3000	352	0	0.36	0	70.2	62.5	49.7
4-5 AM	241	0.0	3000	241	0	0.36	0	70.2	62.5	49.7
5-6 AM	389	0.0	3000	389	0	0.36	0	70.2	62.5	49.7
6-7 AM	786	0.0	3000	786	0	0.35	0	69.7	62.2	49.7
7-8 AM	1036	0.0	3000	1036	0	0.35	0	69.4	62.0	49.7
8-9 AM	1347	0.0	3000	1347	0	0.35	0	69.1	61.9	49.7
9-10 AM	2080	0.0	OFF	2080	0	0.00	0	68.1	68.1	68.1
10-11 AM	2866	0.0	OFF	2866	0	0.00	0	67.2	67.2	67.2
11AM-NOON	3513	0.0	OFF	3513	0	0.00	0	66.4	66.4	66.4
NOON-1PM	3385	0.0	OFF	3385	0	0.00	0	66.5	66.5	66.5
1-2 PM	3096	0.0	OFF	3096	0	0.00	0	66.9	66.9	66.9
2-3 PM	2980	0.0	OFF	2980	0	0.00	0	67.0	67.0	67.0
3-4 PM	3236	0.0	OFF	3236	0	0.00	0	66.7	66.7	66.7
4-5 PM	3524	0.0	OFF	3524	0	0.00	0	66.4	66.4	66.4
5-6 PM	3019	0.0	OFF	3019	0	0.00	0	67.0	67.0	67.0
6-7 PM	2645	0.0	OFF	2645	0	0.00	0	67.4	67.4	67.4
7-8 PM	2206	0.0	3000	2206	0	0.33	0	68.0	61.2	49.7
8-9 PM	1681	0.0	3000	1681	0	0.34	0	68.6	61.6	49.7
9-10 PM	1372	0.0	3000	1372	0	0.34	0	69.1	61.8	49.7
10-11 PM	1320	0.0	3000	1320	0	0.35	0	69.1	61.9	49.7
11PM-MID	639	0.0	3000	639	0	0.36	0	69.9	62.3	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	0.0238
MAIN ROUTE WITH WORKS	0.0229
'DIVERSION'	0.0000
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$1,073
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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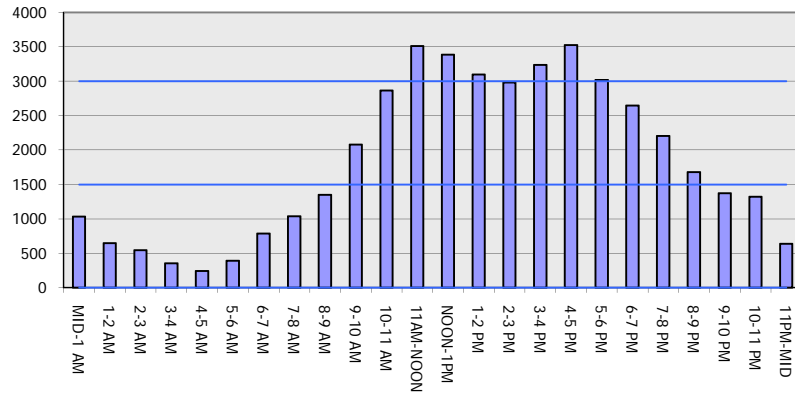
OCTOBER

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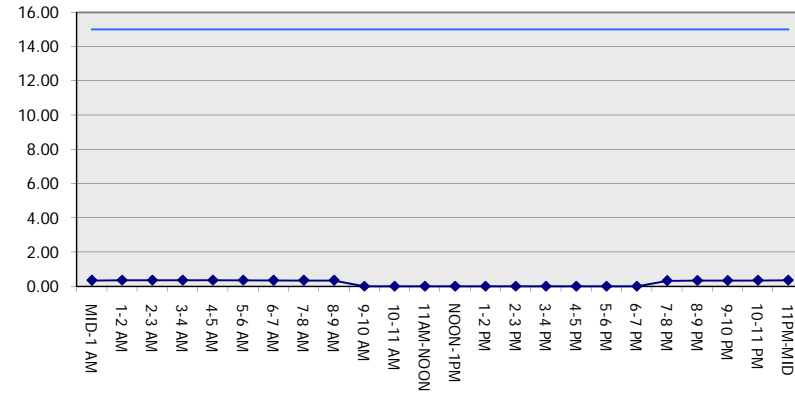
GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT

SUNDAY WESTBOUND DIRECTION

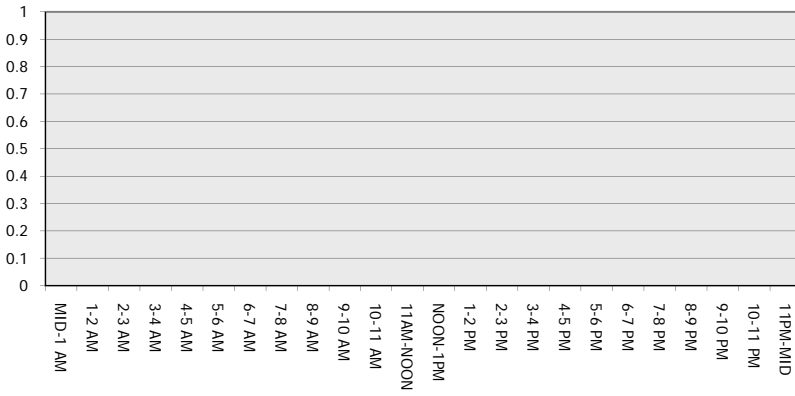
Main Route - Traffic Demand (Vehicles Per Hour)



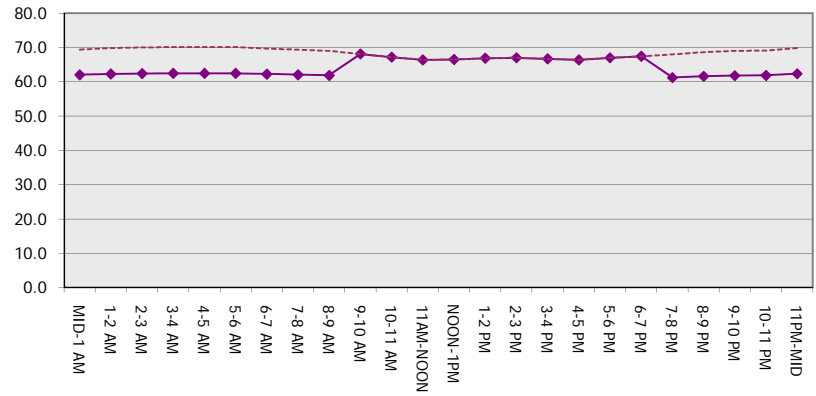
Main Route Average Delay Per Vehicle (Minutes)



Main Route - Average Queue Length (Vehicles)



Main Route - Average Speed (MPH)



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SUMMARY OF TRAFFIC MODEL OUTPUT

SUNDAY EASTBOUND 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	1016	0.0	3000	1016	0	0.35	0	69.5	62.0	49.7
1-2 AM	526	0.0	3000	526	0	0.36	0	70.0	62.4	49.7
2-3 AM	366	0.0	3000	366	0	0.36	0	70.2	62.5	49.7
3-4 AM	240	0.0	3000	240	0	0.36	0	70.2	62.5	49.7
4-5 AM	254	0.0	3000	254	0	0.36	0	70.2	62.5	49.7
5-6 AM	351	0.0	3000	351	0	0.36	0	70.2	62.5	49.7
6-7 AM	774	0.0	3000	774	0	0.35	0	69.8	62.2	49.7
7-8 AM	1137	0.0	3000	1137	0	0.35	0	69.3	62.0	49.7
8-9 AM	1463	0.0	3000	1463	0	0.34	0	68.9	61.7	49.7
9-10 AM	2052	0.0	OFF	2052	0	0.00	0	68.2	68.2	68.2
10-11 AM	2714	0.0	OFF	2714	0	0.00	0	67.4	67.4	67.4
11AM-NOON	3475	0.0	OFF	3475	0	0.00	0	66.4	66.4	66.4
NOON-1PM	3526	0.0	OFF	3526	0	0.00	0	66.3	66.3	66.3
1-2 PM	3310	0.0	OFF	3310	0	0.00	0	66.6	66.6	66.6
2-3 PM	3383	0.0	OFF	3383	0	0.00	0	66.5	66.5	66.5
3-4 PM	3454	0.0	OFF	3454	0	0.00	0	66.4	66.4	66.4
4-5 PM	3189	0.0	OFF	3189	0	0.00	0	66.8	66.8	66.8
5-6 PM	2984	0.0	OFF	2984	0	0.00	0	67.0	67.0	67.0
6-7 PM	3459	0.0	OFF	3459	0	0.00	0	66.4	66.4	66.4
7-8 PM	2668	0.0	3000	2668	0	0.51	0	67.4	57.6	43.1
8-9 PM	1989	0.0	3000	1989	0	0.33	0	68.2	61.4	49.7
9-10 PM	1647	0.0	3000	1647	0	0.34	0	68.7	61.6	49.7
10-11 PM	1090	0.0	3000	1090	0	0.35	0	69.4	62.0	49.7
11PM-MID	617	0.0	3000	617	0	0.36	0	70.0	62.3	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	0.0247
MAIN ROUTE WITH WORKS	0.0238
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$1,214
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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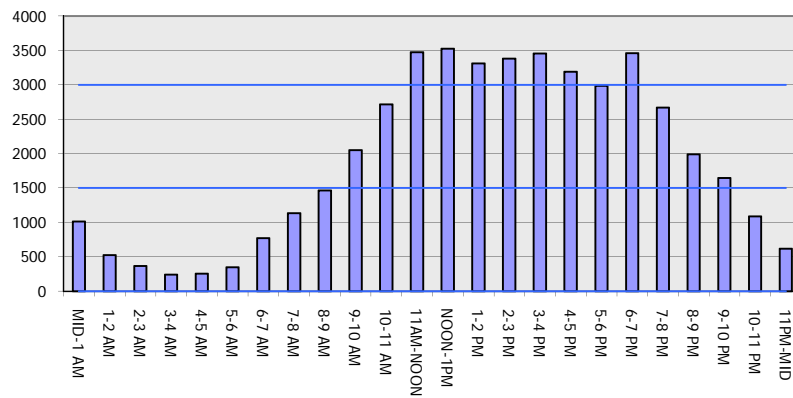
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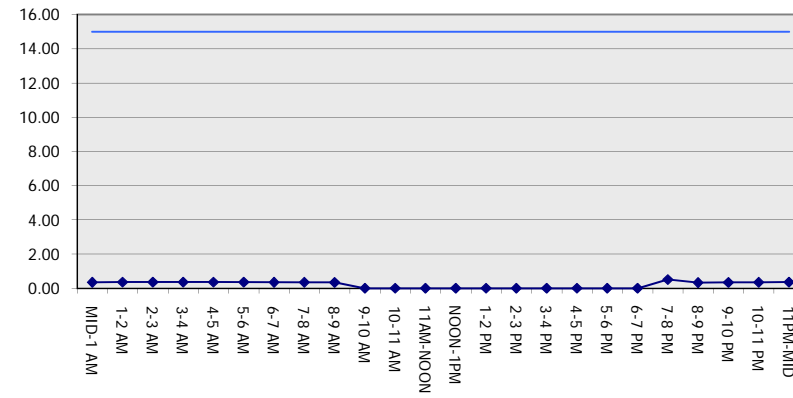
GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT

SUNDAY EASTBOUND DIRECTION

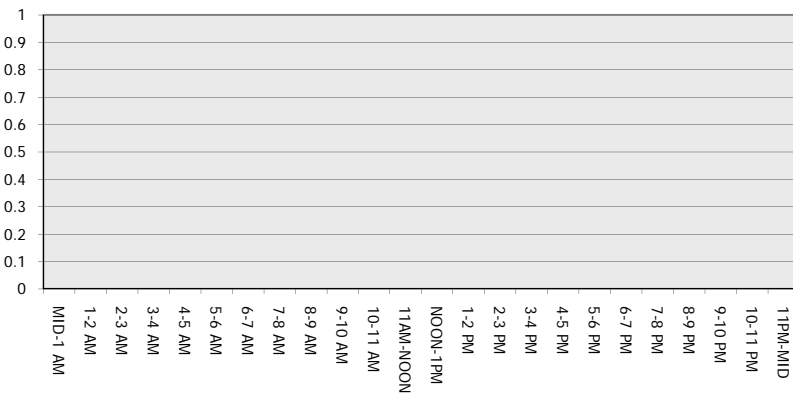
Main Route - Traffic Demand (Vehicles Per Hour)



Main Route Average Delay Per Vehicle (Minutes)



Main Route - Average Queue Length (Vehicles)



Main Route - Average Speed (MPH)

