

STH 16: STH 190 TO IH 94 (WAUKESHA COUNTY) CONTINUOUS (24 HOUR) CLOSURE NO DIVERSION ROUTE (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	48	0.0	1500	48	0	0.43	0	66.3	55.8	45.3
1-2 AM	30	0.0	1500	30	0	0.43	0	66.3	55.8	45.4
2-3 AM	26	0.0	1500	26	0	0.42	0	66.3	55.8	45.4
3-4 AM	10	0.0	1500	10	0	0.42	0	66.4	55.9	45.5
4-5 AM	19	0.0	1500	19	0	0.42	0	66.3	55.8	45.4
5-6 AM	35	0.0	1500	35	0	0.43	0	66.3	55.8	45.3
6-7 AM	60	0.0	1500	60	0	0.43	0	66.3	55.7	45.3
7-8 AM	94	0.0	1500	94	0	0.43	0	66.2	55.6	45.1
8-9 AM	157	0.0	1500	157	0	0.44	0	66.1	55.4	44.8
9-10 AM	271	0.0	1500	271	0	0.45	0	65.9	55.0	44.4
10-11 AM	287	0.0	1500	287	0	0.45	0	65.8	55.0	44.3
11AM-NOON	305	0.0	1500	305	0	0.45	0	65.8	54.9	44.3
NOON-1PM	292	0.0	1500	292	0	0.45	0	65.8	55.0	44.3
1-2 PM	257	0.0	1500	257	0	0.45	0	65.9	55.1	44.5
2-3 PM	233	0.0	1500	233	0	0.45	0	66.0	55.1	44.5
3-4 PM	306	0.0	1500	306	0	0.45	0	65.8	54.9	44.3
4-5 PM	308	0.0	1500	308	0	0.45	0	65.8	54.9	44.3
5-6 PM	262	0.0	1500	262	0	0.45	0	65.9	55.0	44.5
6-7 PM	181	0.0	1500	181	0	0.44	0	66.1	55.3	44.8
7-8 PM	145	0.0	1500	145	0	0.44	0	66.1	55.5	44.9
8-9 PM	98	0.0	1500	98	0	0.43	0	66.2	55.6	45.1
9-10 PM	73	0.0	1500	73	0	0.43	0	66.3	55.6	45.2
10-11 PM	61	0.0	1500	61	0	0.43	0	66.3	55.7	45.3
11PM-MID	18	0.0	1500	18	0	0.42	0	66.3	55.8	45.5

----- 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	0.0014
MAIN ROUTE WITH WORKS	0.0012
'DIVERSION'	0.0000
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$404
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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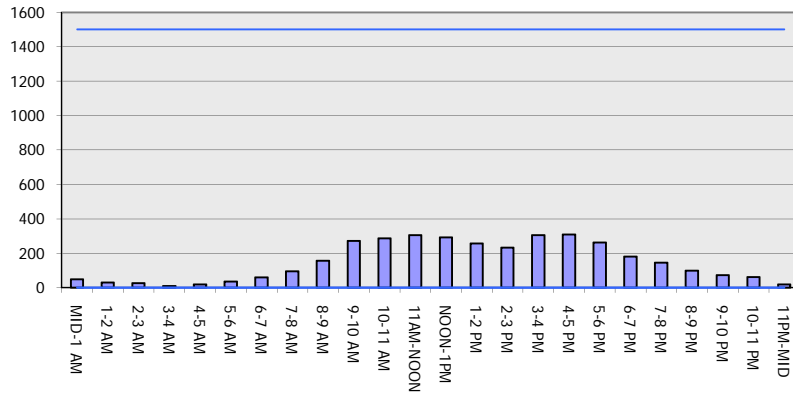
OCTOBER

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Construction Season

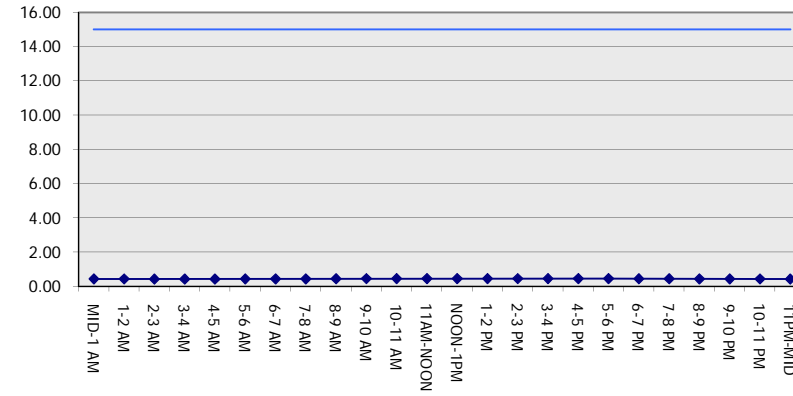
GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT

SUNDAY WESTBOUND DIRECTION

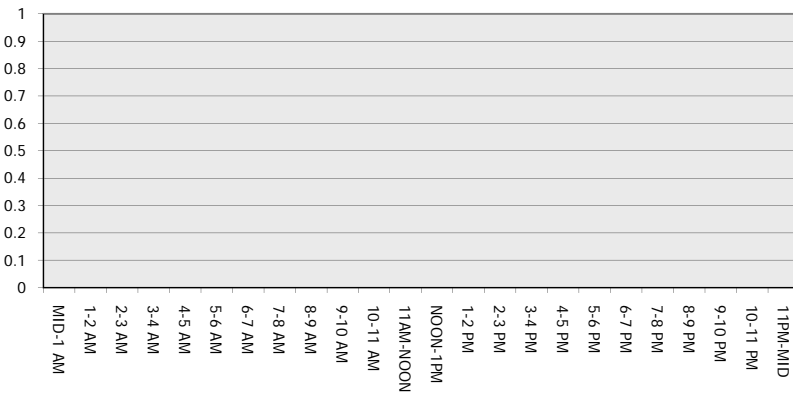
Main Route - Traffic Demand (Vehicles Per Hour)



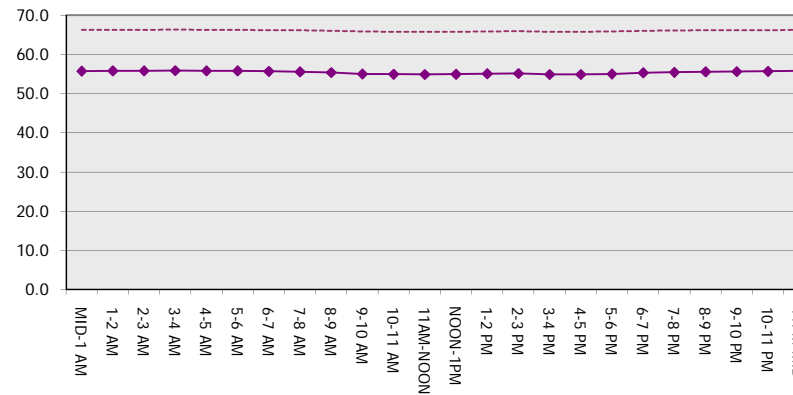
Main Route Average Delay Per Vehicle (Minutes)



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	71	0.0	1500	71	0	0.43	0	66.3	55.7	45.2
1-2 AM	40	0.0	1500	40	0	0.43	0	66.3	55.8	45.3
2-3 AM	33	0.0	1500	33	0	0.43	0	66.3	55.8	45.3
3-4 AM	15	0.0	1500	15	0	0.42	0	66.4	55.9	45.5
4-5 AM	10	0.0	1500	10	0	0.42	0	66.4	55.9	45.5
5-6 AM	16	0.0	1500	16	0	0.42	0	66.4	55.9	45.5
6-7 AM	23	0.0	1500	23	0	0.42	0	66.3	55.8	45.4
7-8 AM	66	0.0	1500	66	0	0.43	0	66.3	55.7	45.2
8-9 AM	104	0.0	1500	104	0	0.43	0	66.2	55.6	45.1
9-10 AM	132	0.0	1500	132	0	0.44	0	66.1	55.5	45.0
10-11 AM	201	0.0	1500	201	0	0.44	0	66.0	55.3	44.6
11AM-NOON	269	0.0	1500	269	0	0.45	0	65.9	55.0	44.4
NOON-1PM	287	0.0	1500	287	0	0.45	0	65.8	55.0	44.3
1-2 PM	261	0.0	1500	261	0	0.45	0	65.9	55.1	44.5
2-3 PM	234	0.0	1500	234	0	0.45	0	66.0	55.1	44.5
3-4 PM	297	0.0	1500	297	0	0.45	0	65.8	55.0	44.3
4-5 PM	292	0.0	1500	292	0	0.45	0	65.8	55.0	44.3
5-6 PM	243	0.0	1500	243	0	0.45	0	66.0	55.1	44.5
6-7 PM	214	0.0	1500	214	0	0.44	0	66.0	55.2	44.6
7-8 PM	162	0.0	1500	162	0	0.44	0	66.1	55.4	44.8
8-9 PM	128	0.0	1500	128	0	0.43	0	66.1	55.5	45.0
9-10 PM	96	0.0	1500	96	0	0.43	0	66.2	55.6	45.1
10-11 PM	63	0.0	1500	63	0	0.43	0	66.3	55.7	45.3
11PM-MID	39	0.0	1500	39	0	0.43	0	66.3	55.8	45.3

----- 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	0.0013
MAIN ROUTE WITH WORKS	0.0011
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$370
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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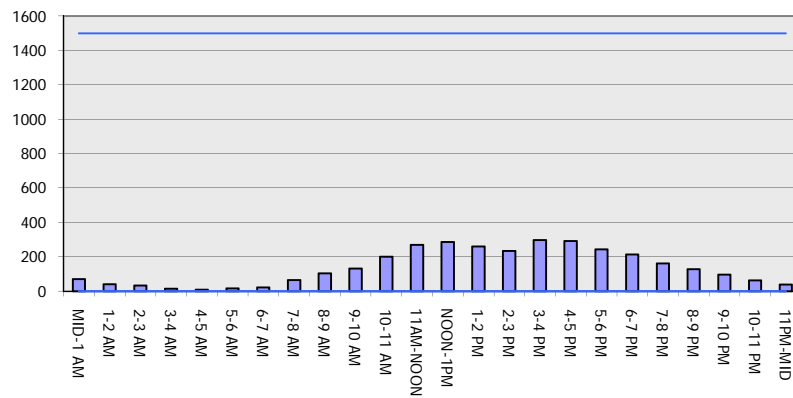
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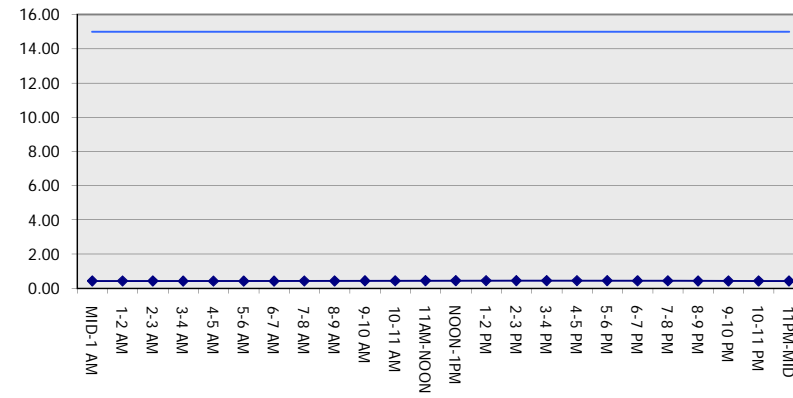
GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT

SUNDAY EASTBOUND DIRECTION

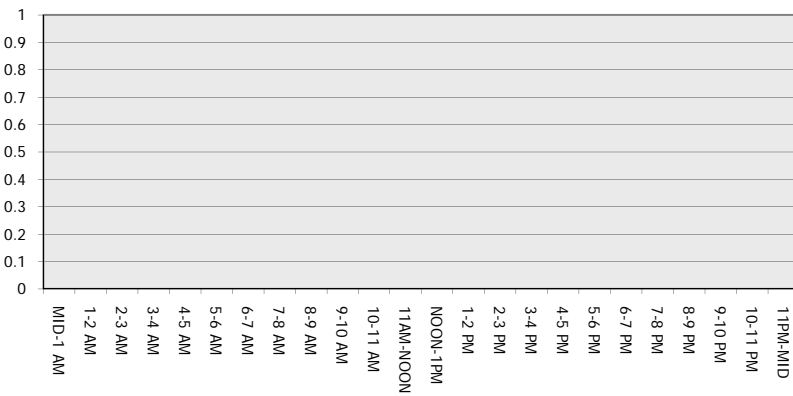
Main Route - Traffic Demand (Vehicles Per Hour)



Main Route Average Delay Per Vehicle (Minutes)



Main Route - Average Queue Length (Vehicles)



Main Route - Average Speed (MPH)

