

STH 16: STH 190 TO IH 94 (WAUKESHA COUNTY) CONTINUOUS (24 HOUR) CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	AUGUST
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

MON-THUR 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	19	0.0	1500	19	0	0.42	0	66.3	55.8	45.4
1-2 AM	14	0.0	1500	14	0	0.42	0	66.4	55.9	45.5
2-3 AM	15	0.0	1500	15	0	0.42	0	66.4	55.9	45.5
3-4 AM	25	0.0	1500	25	0	0.42	0	66.3	55.8	45.4
4-5 AM	75	0.0	1500	75	0	0.43	0	66.3	55.6	45.2
5-6 AM	264	0.0	1500	264	0	0.45	0	65.9	55.0	44.4
6-7 AM	620	0.0	1500	620	0	0.48	0	65.2	53.9	43.0
7-8 AM	855	0.0	1500	855	0	0.51	0	64.8	53.2	42.2
8-9 AM	580	0.0	1500	580	0	0.48	0	65.3	54.0	43.2
9-10 AM	395	0.0	1500	395	0	0.46	0	65.6	54.6	43.9
10-11 AM	347	0.0	1500	347	0	0.46	0	65.8	54.8	44.1
11AM-NOON	338	0.0	1500	338	0	0.46	0	65.8	54.8	44.2
NOON-1PM	348	0.0	1500	348	0	0.46	0	65.8	54.8	44.1
1-2 PM	318	0.0	1500	318	0	0.45	0	65.8	54.9	44.2
2-3 PM	344	0.0	1500	344	0	0.46	0	65.8	54.8	44.1
3-4 PM	368	0.0	1500	368	0	0.46	0	65.7	54.7	44.0
4-5 PM	396	0.0	1500	396	0	0.46	0	65.6	54.6	43.9
5-6 PM	399	0.0	1500	399	0	0.46	0	65.6	54.6	43.9
6-7 PM	278	0.0	1500	278	0	0.45	0	65.9	55.0	44.4
7-8 PM	199	0.0	1500	199	0	0.44	0	66.0	55.3	44.7
8-9 PM	177	0.0	1500	177	0	0.44	0	66.1	55.3	44.8
9-10 PM	140	0.0	1500	140	0	0.44	0	66.1	55.5	44.9
10-11 PM	98	0.0	1500	98	0	0.43	0	66.2	55.6	45.1
11PM-MID	56	0.0	1500	56	0	0.43	0	66.3	55.7	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	0.0027
MAIN ROUTE WITH WORKS	0.0022
'DIVERSION'	0.0000
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$609
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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AUGUST

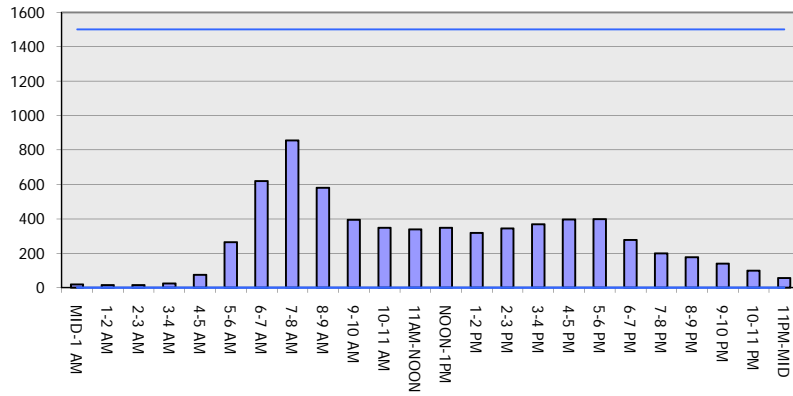
Analyzed for 2009
Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT

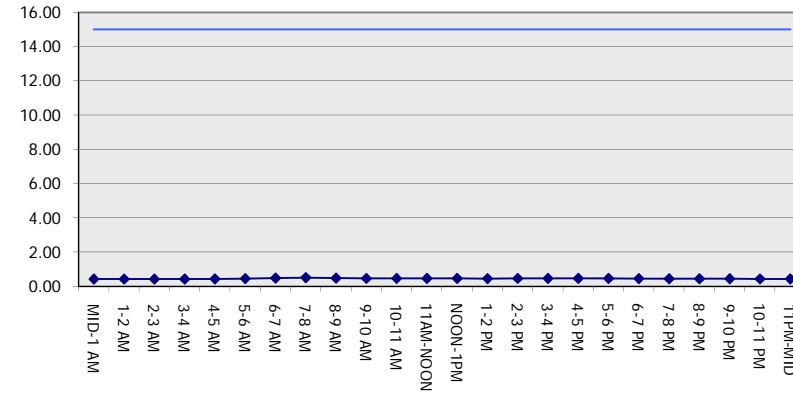
MON-THUR

WESTBOUND DIRECTION

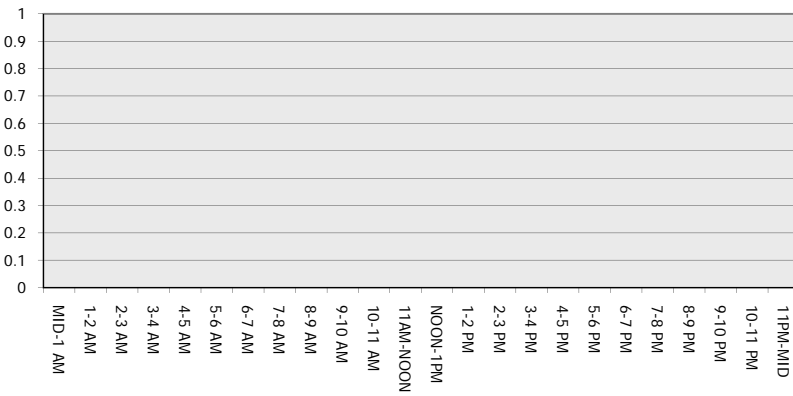
Main Route - Traffic Demand (Vehicles Per Hour)



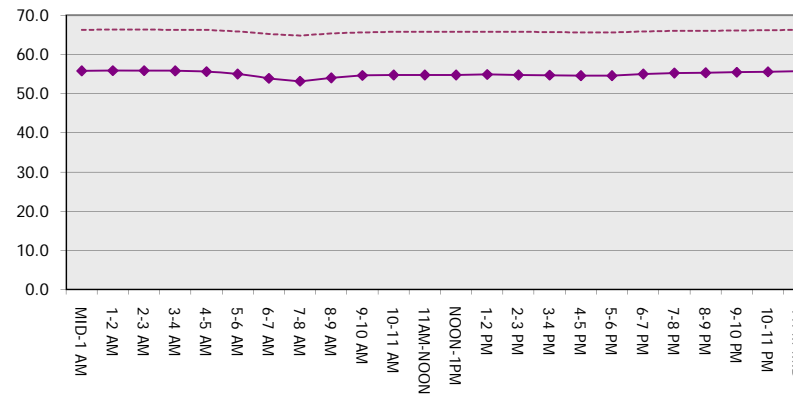
Main Route Average Delay Per Vehicle (Minutes)



Main Route - Average Queue Length (Vehicles)



Main Route - Average Speed (MPH)



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SUMMARY OF TRAFFIC MODEL OUTPUT

MON-THUR 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	52	0.0	1500	52	0	0.43	0	66.3	55.8	45.3
1-2 AM	22	0.0	1500	22	0	0.42	0	66.3	55.8	45.4
2-3 AM	14	0.0	1500	14	0	0.42	0	66.4	55.9	45.5
3-4 AM	11	0.0	1500	11	0	0.42	0	66.4	55.9	45.5
4-5 AM	23	0.0	1500	23	0	0.42	0	66.3	55.8	45.4
5-6 AM	80	0.0	1500	80	0	0.43	0	66.3	55.6	45.1
6-7 AM	165	0.0	1500	165	0	0.44	0	66.1	55.4	44.8
7-8 AM	268	0.0	1500	268	0	0.45	0	65.9	55.0	44.4
8-9 AM	261	0.0	1500	261	0	0.45	0	65.9	55.1	44.5
9-10 AM	227	0.0	1500	227	0	0.44	0	66.0	55.1	44.6
10-11 AM	241	0.0	1500	241	0	0.45	0	66.0	55.1	44.5
11AM-NOON	283	0.0	1500	283	0	0.45	0	65.9	55.0	44.3
NOON-1PM	302	0.0	1500	302	0	0.45	0	65.8	54.9	44.3
1-2 PM	319	0.0	1500	319	0	0.45	0	65.8	54.8	44.2
2-3 PM	397	0.0	1500	397	0	0.46	0	65.6	54.6	43.9
3-4 PM	530	0.0	1500	530	0	0.47	0	65.4	54.2	43.4
4-5 PM	711	0.0	1500	711	0	0.49	0	65.1	53.6	42.7
5-6 PM	815	0.0	1500	815	0	0.50	0	64.9	53.3	42.4
6-7 PM	481	0.0	1500	481	0	0.47	0	65.5	54.3	43.6
7-8 PM	308	0.0	1500	308	0	0.45	0	65.8	54.9	44.3
8-9 PM	270	0.0	1500	270	0	0.45	0	65.9	55.0	44.4
9-10 PM	233	0.0	1500	233	0	0.45	0	66.0	55.1	44.5
10-11 PM	171	0.0	1500	171	0	0.44	0	66.1	55.3	44.8
11PM-MID	105	0.0	1500	105	0	0.43	0	66.2	55.6	45.1

----- 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	0.0025
MAIN ROUTE WITH WORKS	0.0021
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$571
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
MON-THUR EASTBOUND DIRECTION**

