

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

SUMMARY OF TRAFFIC MODEL OUTPUT

SATURDAY 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	219	0.0	1500	219	0	0.44	0	66.0	62.4	44.6
1-2 AM	141	0.0	1500	141	0	0.44	0	66.1	62.6	44.9
2-3 AM	82	0.0	1500	82	0	0.43	0	66.3	62.8	45.1
3-4 AM	71	0.0	1500	71	0	0.43	0	66.3	62.8	45.2
4-5 AM	64	0.0	1500	64	0	0.43	0	66.3	62.8	45.2
5-6 AM	121	0.0	1500	121	0	0.43	0	66.1	62.7	45.0
6-7 AM	274	0.0	1500	274	0	0.45	0	65.9	62.3	44.4
7-8 AM	448	0.0	1500	448	0	0.47	0	65.6	61.9	43.7
8-9 AM	674	0.0	1500	674	0	0.49	0	65.1	61.4	42.8
9-10 AM	733	0.0	1500	733	0	0.49	0	65.0	61.2	42.7
10-11 AM	949	0.0	1500	949	0	0.51	0	64.6	60.7	41.9
11AM-NOON	1023	0.0	1500	1023	0	0.52	0	64.5	60.5	41.6
NOON-1PM	1218	0.0	1500	1218	0	0.66	0	64.1	59.2	37.9
1-2 PM	1134	0.0	1500	1134	0	0.55	0	64.3	60.1	40.7
2-3 PM	1132	0.0	1500	1132	0	0.55	0	64.3	60.2	40.7
3-4 PM	1269	0.0	1500	1269	0	0.73	0	64.0	58.7	36.4
4-5 PM	1307	0.0	1500	1307	0	0.77	0	64.0	58.4	35.3
5-6 PM	1151	0.0	1500	1151	0	0.57	0	64.2	60.0	40.1
6-7 PM	995	0.0	1500	995	0	0.52	0	64.5	60.6	41.7
7-8 PM	743	0.0	1500	743	0	0.49	0	65.0	61.2	42.6
8-9 PM	673	0.0	1500	673	0	0.49	0	65.1	61.4	42.8
9-10 PM	688	0.0	1500	688	0	0.49	0	65.1	61.3	42.8
10-11 PM	619	0.0	1500	619	0	0.48	0	65.2	61.5	43.0
11PM-MID	484	0.0	1500	484	0	0.47	0	65.5	61.8	43.6

----- 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	0.0222
MAIN ROUTE WITH WORKS	0.0211
'DIVERSION'	0.0000
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$2,315
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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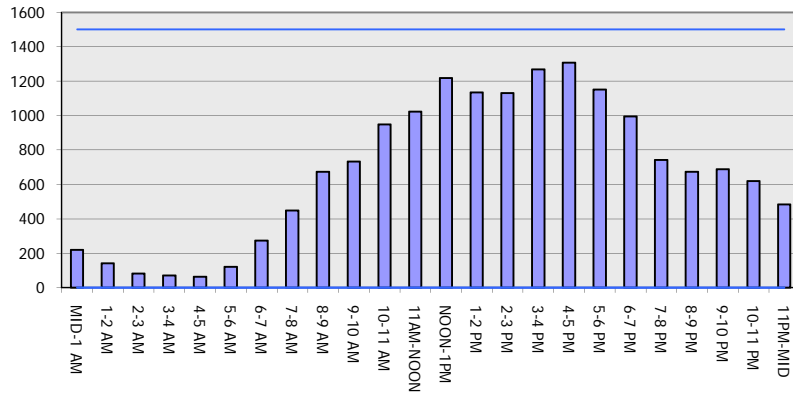
OCTOBER

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Construction Season

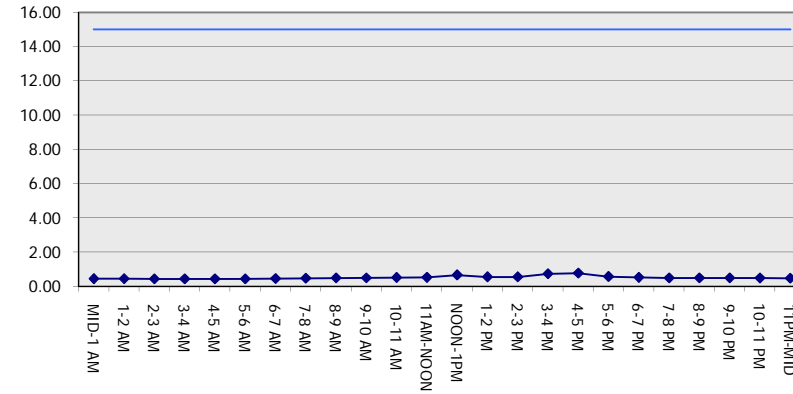
GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT

SATURDAY WESTBOUND DIRECTION

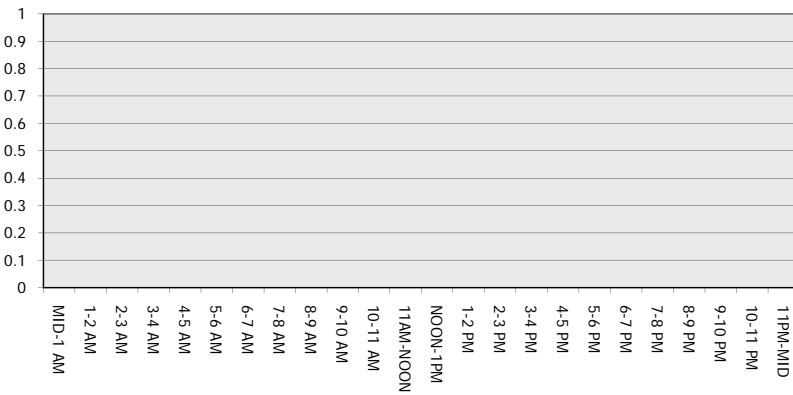
Main Route - Traffic Demand (Vehicles Per Hour)



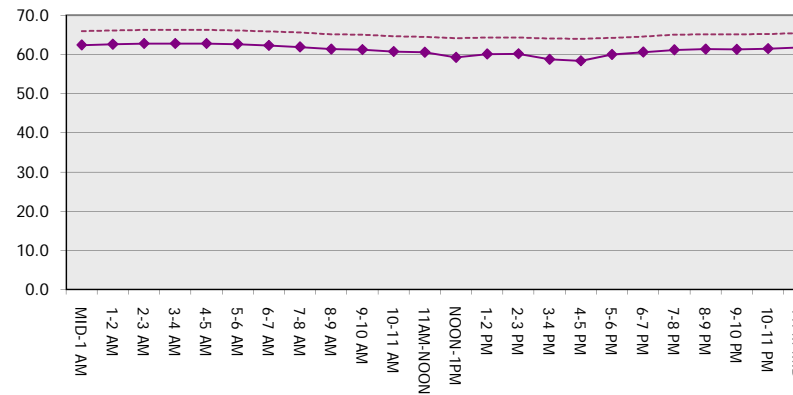
Main Route Average Delay Per Vehicle (Minutes)



Main Route - Average Queue Length (Vehicles)



Main Route - Average Speed (MPH)



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SUMMARY OF TRAFFIC MODEL OUTPUT

SATURDAY 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	141	0.0	1500	141	0	0.44	0	66.1	62.6	44.9
1-2 AM	87	0.0	1500	87	0	0.43	0	66.2	62.7	45.1
2-3 AM	92	0.0	1500	92	0	0.43	0	66.2	62.7	45.1
3-4 AM	82	0.0	1500	82	0	0.43	0	66.3	62.8	45.1
4-5 AM	109	0.0	1500	109	0	0.43	0	66.2	62.7	45.0
5-6 AM	311	0.0	1500	311	0	0.45	0	65.8	62.2	44.2
6-7 AM	520	0.0	1500	520	0	0.47	0	65.4	61.7	43.4
7-8 AM	778	0.0	1500	778	0	0.50	0	65.0	61.1	42.5
8-9 AM	1053	0.0	1500	1053	0	0.52	0	64.4	60.5	41.5
9-10 AM	1234	0.0	1500	1234	0	0.68	0	64.1	59.1	37.4
10-11 AM	1265	0.0	1500	1265	0	0.72	0	64.0	58.7	36.5
11AM-NOON	1218	0.0	1500	1218	0	0.66	0	64.1	59.2	37.9
NOON-1PM	1248	0.0	1500	1248	0	0.70	0	64.1	58.9	36.9
1-2 PM	1107	0.0	1500	1107	0	0.53	0	64.3	60.4	41.3
2-3 PM	1123	0.0	1500	1123	0	0.54	0	64.3	60.2	41.1
3-4 PM	1085	0.0	1500	1085	0	0.53	0	64.3	60.4	41.4
4-5 PM	1149	0.0	1500	1149	0	0.57	0	64.3	60.0	40.2
5-6 PM	1081	0.0	1500	1081	0	0.53	0	64.4	60.4	41.4
6-7 PM	943	0.0	1500	943	0	0.51	0	64.6	60.7	41.9
7-8 PM	562	0.0	1500	562	0	0.48	0	65.3	61.6	43.3
8-9 PM	468	0.0	1500	468	0	0.47	0	65.5	61.9	43.7
9-10 PM	456	0.0	1500	456	0	0.47	0	65.5	61.9	43.7
10-11 PM	445	0.0	1500	445	0	0.47	0	65.6	61.9	43.7
11PM-MID	287	0.0	1500	287	0	0.45	0	65.8	62.3	44.3

----- 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	0.0230
MAIN ROUTE WITH WORKS	0.0219
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$2,426
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SATURDAY EASTBOUND DIRECTION

