

STH 16: STH 190 TO IH 94 (WAUKESHA COUNTY) CONTINUOUS (24 HOUR) CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	MAY
	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	15	0.0	1500	15	0	0.42	0	66.4	55.9	45.5
1-2 AM	11	0.0	1500	11	0	0.42	0	66.4	55.9	45.5
2-3 AM	12	0.0	1500	12	0	0.42	0	66.4	55.9	45.5
3-4 AM	22	0.0	1500	22	0	0.42	0	66.3	55.8	45.4
4-5 AM	66	0.0	1500	66	0	0.43	0	66.3	55.7	45.2
5-6 AM	249	0.0	1500	249	0	0.45	0	66.0	55.1	44.5
6-7 AM	647	0.0	1500	647	0	0.49	0	65.2	53.8	43.0
7-8 AM	920	0.0	1500	920	0	0.51	0	64.6	53.0	42.0
8-9 AM	652	0.0	1500	652	0	0.49	0	65.1	53.8	42.9
9-10 AM	378	0.0	1500	378	0	0.46	0	65.7	54.6	44.0
10-11 AM	326	0.0	1500	326	0	0.45	0	65.8	54.8	44.2
11AM-NOON	309	0.0	1500	309	0	0.45	0	65.8	54.9	44.3
NOON-1PM	311	0.0	1500	311	0	0.45	0	65.8	54.9	44.2
1-2 PM	294	0.0	1500	294	0	0.45	0	65.8	55.0	44.3
2-3 PM	338	0.0	1500	338	0	0.46	0	65.8	54.8	44.2
3-4 PM	385	0.0	1500	385	0	0.46	0	65.6	54.6	44.0
4-5 PM	392	0.0	1500	392	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	272	0.0	1500	272	0	0.45	0	65.9	55.0	44.4
7-8 PM	165	0.0	1500	165	0	0.44	0	66.1	55.4	44.8
8-9 PM	127	0.0	1500	127	0	0.43	0	66.1	55.5	45.0
9-10 PM	105	0.0	1500	105	0	0.43	0	66.2	55.6	45.1
10-11 PM	68	0.0	1500	68	0	0.43	0	66.3	55.7	45.2
11PM-MID	36	0.0	1500	36	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	0.0026
MAIN ROUTE WITH WORKS	0.0022
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS

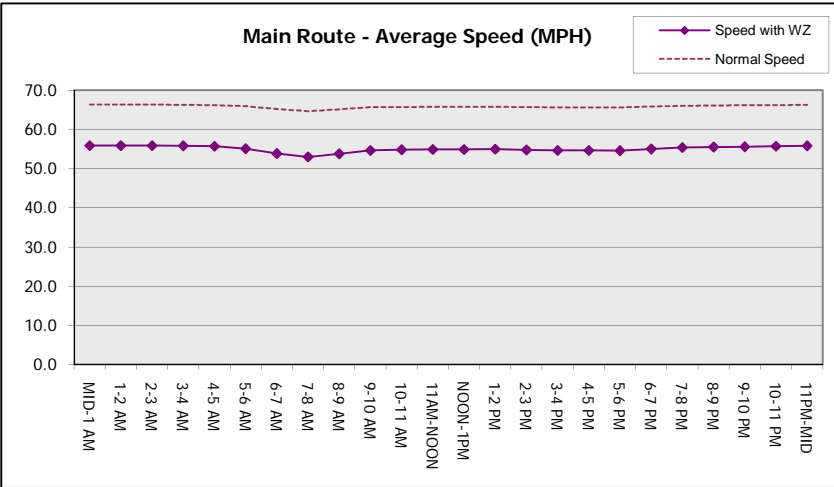
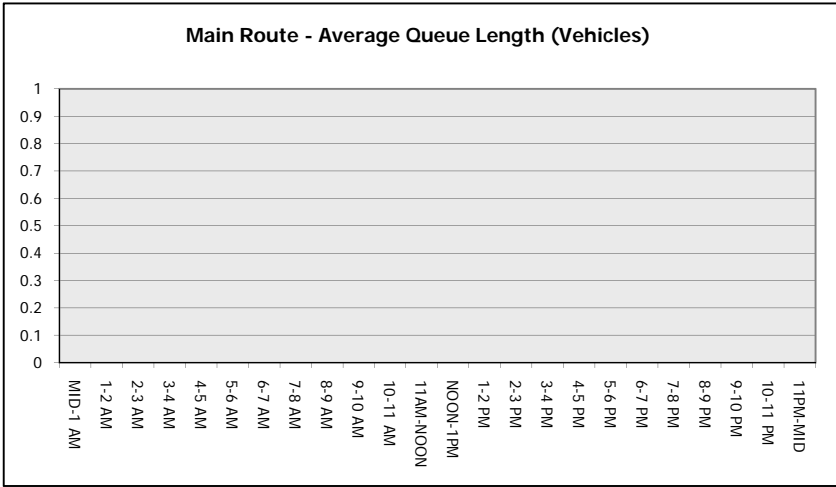
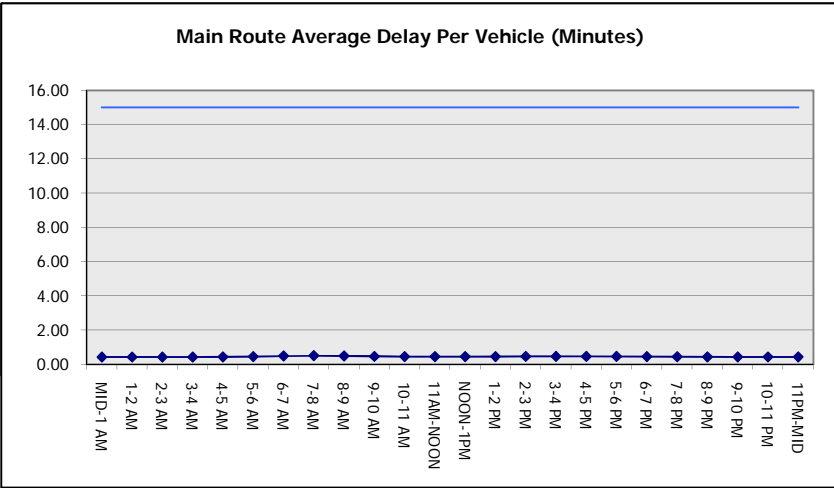
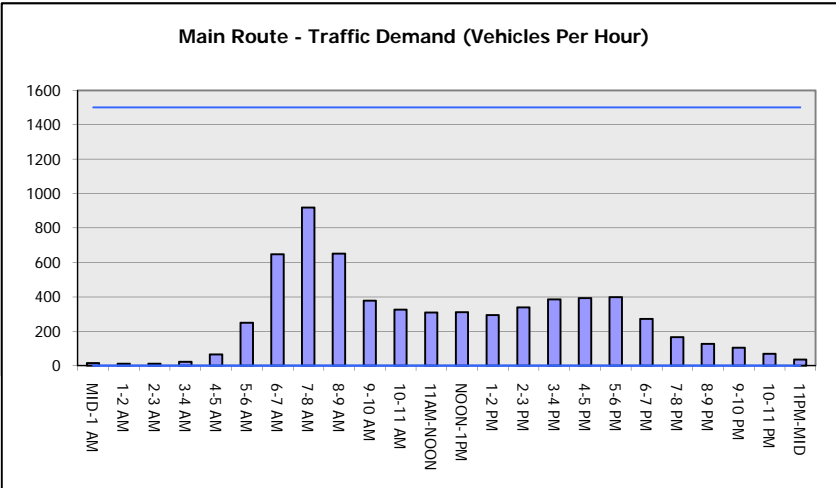
ROAD USER COSTS PER DAY	\$594
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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



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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	33	0.0	1500	33	0	0.43	0	66.3	55.8	45.3
1-2 AM	16	0.0	1500	16	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	9	0.0	1500	9	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	76	0.0	1500	76	0	0.43	0	66.3	55.6	45.2
6-7 AM	182	0.0	1500	182	0	0.44	0	66.1	55.3	44.8
7-8 AM	297	0.0	1500	297	0	0.45	0	65.8	55.0	44.3
8-9 AM	270	0.0	1500	270	0	0.45	0	65.9	55.0	44.4
9-10 AM	217	0.0	1500	217	0	0.44	0	66.0	55.2	44.6
10-11 AM	214	0.0	1500	214	0	0.44	0	66.0	55.2	44.6
11AM-NOON	260	0.0	1500	260	0	0.45	0	65.9	55.1	44.5
NOON-1PM	295	0.0	1500	295	0	0.45	0	65.8	55.0	44.3
1-2 PM	297	0.0	1500	297	0	0.45	0	65.8	55.0	44.3
2-3 PM	382	0.0	1500	382	0	0.46	0	65.7	54.6	44.0
3-4 PM	566	0.0	1500	566	0	0.48	0	65.3	54.1	43.3
4-5 PM	702	0.0	1500	702	0	0.49	0	65.1	53.7	42.7
5-6 PM	808	0.0	1500	808	0	0.50	0	64.9	53.3	42.4
6-7 PM	487	0.0	1500	487	0	0.47	0	65.5	54.3	43.5
7-8 PM	295	0.0	1500	295	0	0.45	0	65.8	55.0	44.3
8-9 PM	248	0.0	1500	248	0	0.45	0	66.0	55.1	44.5
9-10 PM	210	0.0	1500	210	0	0.44	0	66.0	55.2	44.6
10-11 PM	113	0.0	1500	113	0	0.43	0	66.2	55.5	45.0
11PM-MID	72	0.0	1500	72	0	0.43	0	66.3	55.7	45.2

----- 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	0.0024
MAIN ROUTE WITH WORKS	0.0020
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$551
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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