

STH 16: CTH C TO STH 190 (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	191	0.0	1500	191	0	0.44	0	66.0	62.5	44.7	
1-2 AM	82	0.0	1500	82	0	0.43	0	66.3	62.8	45.1	
2-3 AM	51	0.0	1500	51	0	0.43	0	66.3	62.8	45.3	
3-4 AM	40	0.0	1500	40	0	0.43	0	66.3	62.8	45.3	
4-5 AM	85	0.0	1500	85	0	0.43	0	66.2	62.8	45.1	
5-6 AM	293	0.0	1500	293	0	0.45	0	65.8	62.2	44.3	
6-7 AM	607	0.0	1500	607	0	0.48	0	65.3	61.5	43.1	
7-8 AM	980	0.0	1500	980	0	0.52	0	64.6	60.6	41.7	
8-9 AM	956	0.0	1500	956	0	0.51	0	64.6	60.7	41.9	
9-10 AM	833	0.0	1500	833	0	0.50	0	64.8	61.0	42.3	
10-11 AM	886	0.0	1500	886	0	0.51	0	64.7	60.9	42.1	
11AM-NOON	1039	0.0	1500	1039	0	0.52	0	64.5	60.5	41.5	
NOON-1PM	1107	0.0	1500	1107	0	0.53	0	64.3	60.4	41.3	
1-2 PM	1166	0.0	1499	1166	0	0.59	0	64.2	59.8	39.6	
2-3 PM	1454	0.0	1499	1454	0	1.15	6	63.7	55.8	32.4	
3-4 PM	1941	0.0	1500	1941	0	7.65	209	62.8	32.5	30.8	
4-5 PM	2606	0.0	1500	1500	1106	15.34+	400	59.8	21.5	30.8	
5-6 PM	2985	0.0	1500	1500	1485	14.74+	399	55.9	21.5	30.8	
6-7 PM	1763	0.0	1499	1413	350	15.45+	391	63.1	21.9	30.8	
7-8 PM	1130	0.0	1499	1130	0	7.98	218	64.3	32.2	34.2	
8-9 PM	987	0.0	1500	987	0	0.52	0	64.5	60.6	41.7	
9-10 PM	847	0.0	1500	847	0	0.50	0	64.8	60.9	42.2	
10-11 PM	632	0.0	1500	632	0	0.48	0	65.2	61.5	43.0	
11PM-MID	382	0.0	1500	382	0	0.46	0	65.7	62.0	44.0	

+ INDICATES QUEUEING EXCEEDS USER-SPECIFIED MAXIMUM LIMIT

----- 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

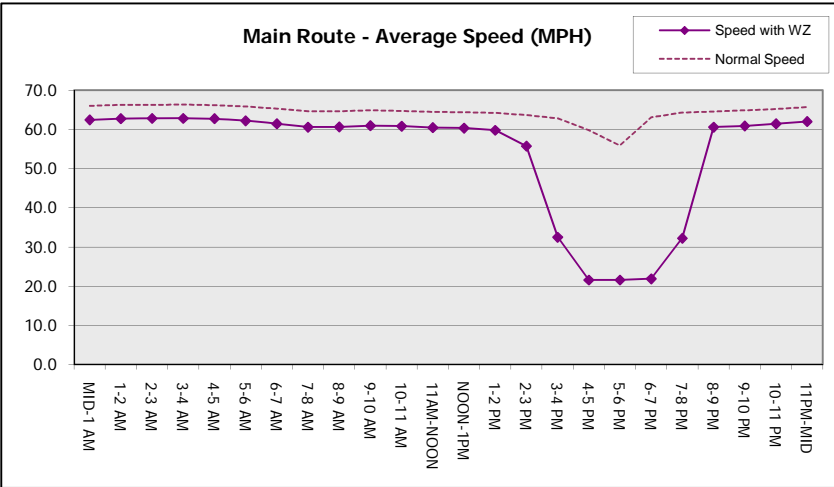
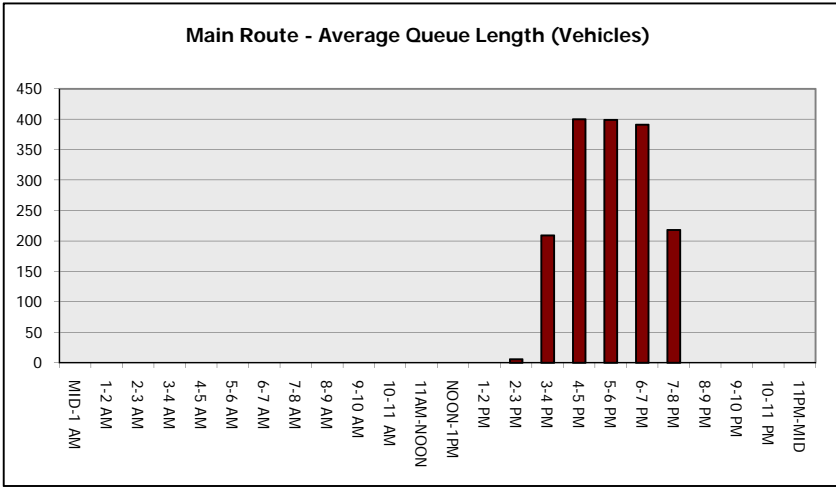
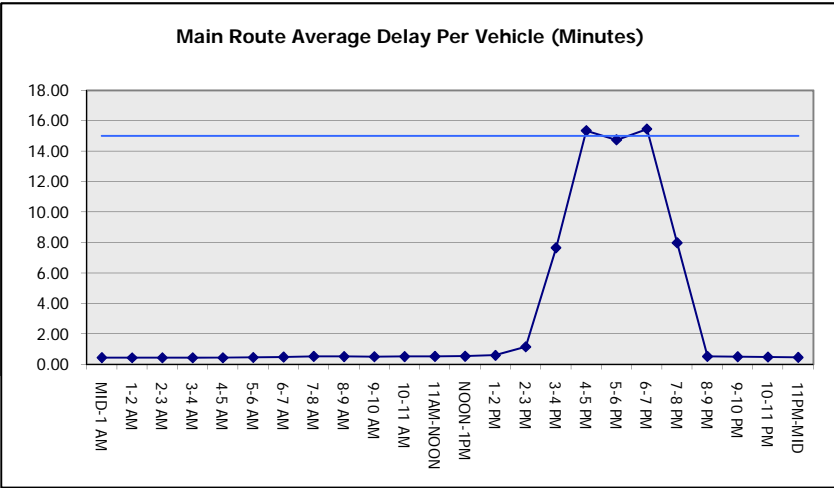
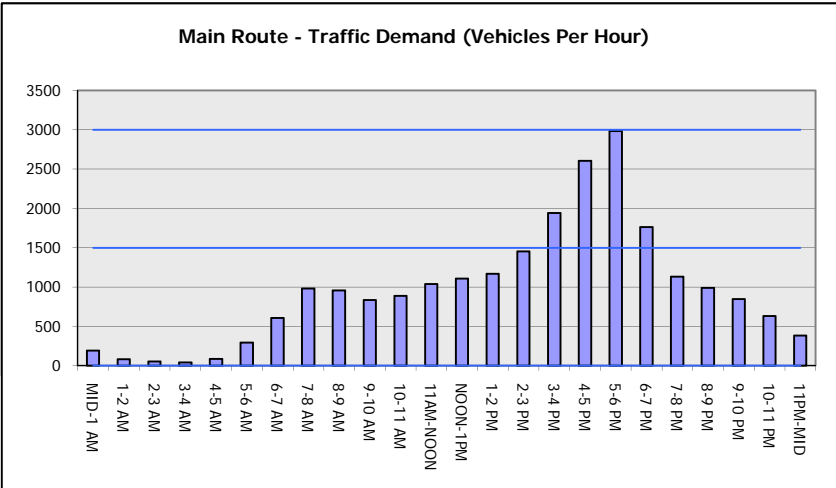
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0315
MAIN ROUTE WITH WORKS	0.0262
'DIVERSION'	0.0093
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$30,508
CONGESTED HOURS PER DAY*	3

*Delays Exceeding User-Specified Maximum

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



STH 16: CTH C TO STH 190 (WAUKESHA COUNTY) CONTINUOUS (24 HOUR) CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	AUGUST
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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	72	0.0	1500	72	0	0.43	0	66.3	62.8	45.2
1-2 AM	51	0.0	1500	51	0	0.43	0	66.3	62.8	45.3
2-3 AM	56	0.0	1500	56	0	0.43	0	66.3	62.8	45.3
3-4 AM	93	0.0	1500	93	0	0.43	0	66.2	62.7	45.1
4-5 AM	276	0.0	1500	276	0	0.45	0	65.9	62.3	44.4
5-6 AM	969	0.0	1499	969	0	0.57	0	64.6	60.2	40.3
6-7 AM	2269	0.0	1499	1877	392	9.00+	251	62.2	29.8	30.8
7-8 AM	3133	0.0	1499	1500	1633	14.48+	399	54.4	21.5	30.8
8-9 AM	2126	0.0	1500	1500	626	15.70+	400	62.4	21.5	30.8
9-10 AM	1449	0.0	1500	1449	0	15.05+	378	63.7	22.3	30.8
10-11 AM	1271	0.0	1499	1271	0	8.79	218	64.0	30.6	31.4
11AM-NOON	1238	0.0	1500	1238	0	1.30	18	64.1	55.1	36.4
NOON-1PM	1276	0.0	1500	1276	0	0.74	0	64.0	58.6	36.1
1-2 PM	1165	0.0	1500	1165	0	0.59	0	64.2	59.8	39.6
2-3 PM	1259	0.0	1500	1259	0	0.71	0	64.0	58.8	36.6
3-4 PM	1349	0.0	1500	1349	0	0.83	0	63.9	57.9	34.2
4-5 PM	1451	0.0	1499	1451	0	0.96	0	63.7	56.9	31.8
5-6 PM	1464	0.0	1499	1464	0	1.07	2	63.7	56.3	31.7
6-7 PM	1016	0.0	1500	1016	0	0.52	0	64.5	60.5	41.6
7-8 PM	728	0.0	1500	728	0	0.49	0	65.0	61.2	42.7
8-9 PM	643	0.0	1500	643	0	0.48	0	65.2	61.4	43.0
9-10 PM	512	0.0	1500	512	0	0.47	0	65.5	61.7	43.5
10-11 PM	360	0.0	1500	360	0	0.46	0	65.7	62.1	44.0
11PM-MID	204	0.0	1500	204	0	0.44	0	66.0	62.5	44.6

+ INDICATES QUEUEING EXCEEDS USER-SPECIFIED MAXIMUM LIMIT

----- 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	0.0334
MAIN ROUTE WITH WORKS	0.0284
'DIVERSION'	0.0084

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$30,588
CONGESTED HOURS PER DAY*	4

*Delays Exceeding User-Specified Maximum

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MON-THUR EASTBOUND DIRECTION

