

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

**SUMMARY OF TRAFFIC MODEL OUTPUT**

FRIDAY 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	146	0.0	1500	146	0	0.44	0	66.1	62.6	44.9	
1-2 AM	103	0.0	1500	103	0	0.43	0	66.2	62.7	45.1	
2-3 AM	74	0.0	1500	74	0	0.43	0	66.3	62.8	45.2	
3-4 AM	45	0.0	1500	45	0	0.43	0	66.3	62.8	45.3	
4-5 AM	66	0.0	1500	66	0	0.43	0	66.3	62.8	45.2	
5-6 AM	272	0.0	1500	272	0	0.45	0	65.9	62.3	44.4	
6-7 AM	670	0.0	1500	670	0	0.49	0	65.1	61.4	42.8	
7-8 AM	1166	0.0	1500	1166	0	0.59	0	64.2	59.8	39.6	
8-9 AM	979	0.0	1500	979	0	0.52	0	64.6	60.6	41.7	
9-10 AM	853	0.0	1500	853	0	0.50	0	64.8	60.9	42.2	
10-11 AM	976	0.0	1500	976	0	0.52	0	64.6	60.7	41.7	
11AM-NOON	1108	0.0	1500	1108	0	0.53	0	64.3	60.4	41.3	
NOON-1PM	1227	0.0	1500	1227	0	0.67	0	64.1	59.2	37.6	
1-2 PM	1309	0.0	1499	1309	0	0.78	0	64.0	58.3	35.3	
2-3 PM	1567	0.0	1499	1567	0	1.75	23	63.5	52.2	31.3	
3-4 PM	2248	0.0	1500	1804	444	12.27+	322	62.2	25.1	30.8	
4-5 PM	2684	0.0	1500	1500	1184	15.22+	400	59.0	21.5	30.8	
5-6 PM	2840	0.0	1500	1500	1340	14.98+	400	57.4	21.5	30.8	
6-7 PM	1813	0.0	1500	1500	313	15.78+	400	63.0	21.5	30.8	
7-8 PM	1014	0.0	1499	1014	0	6.09	190	64.5	36.6	36.5	
8-9 PM	846	0.0	1500	846	0	0.50	0	64.8	60.9	42.2	
9-10 PM	746	0.0	1500	746	0	0.49	0	65.0	61.2	42.6	
10-11 PM	601	0.0	1500	601	0	0.48	0	65.3	61.5	43.1	
11PM-MID	422	0.0	1500	422	0	0.46	0	65.6	62.0	43.8	

+ 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

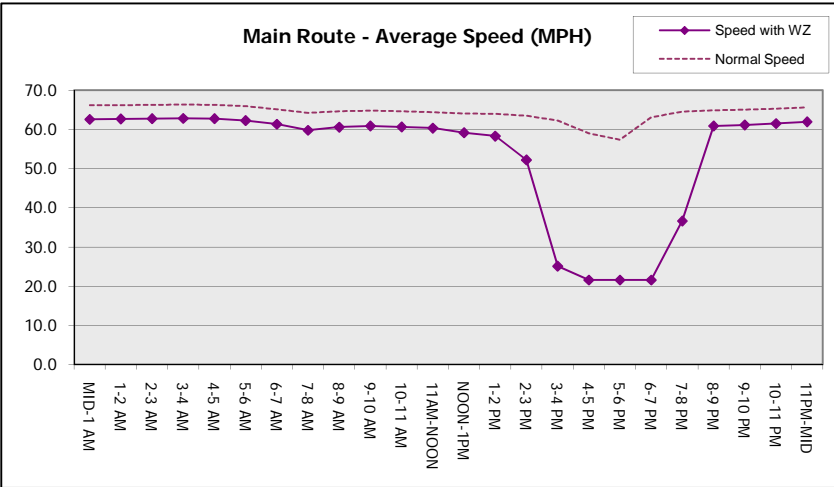
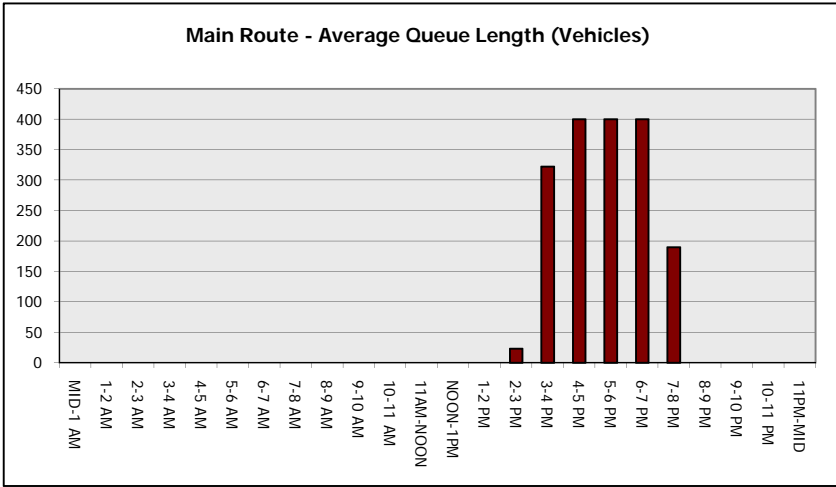
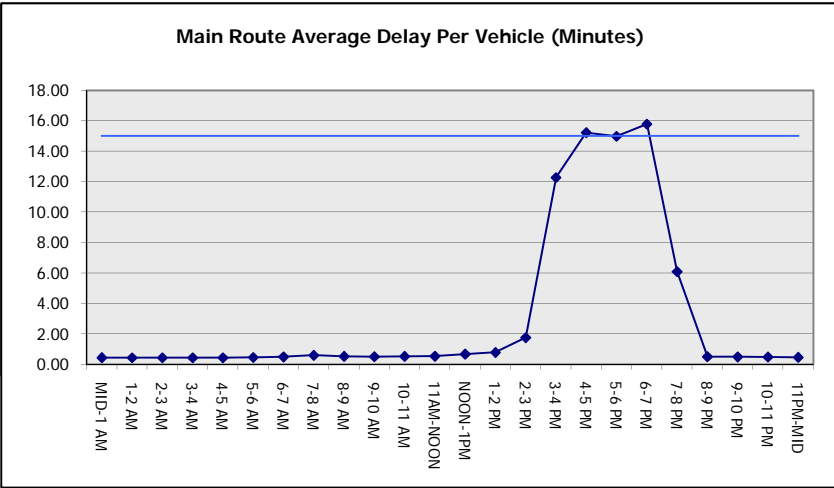
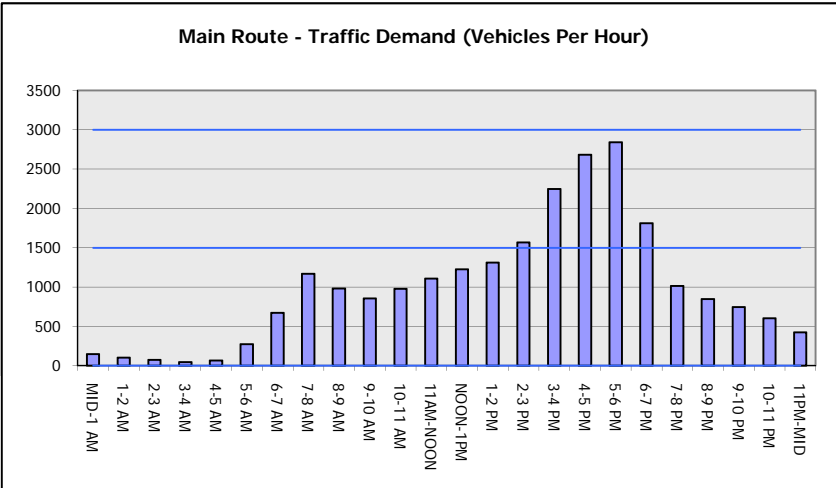
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0325
MAIN ROUTE WITH WORKS	0.0267
'DIVERSION'	0.0104
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$33,817
CONGESTED HOURS PER DAY*	4

\*Delays Exceeding User-Specified Maximum

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CONTINUOUS (24 HOUR) CLOSURE  
NO DIVERSION ROUTE (MAX QUEUE METHOD)**

**MAY**  
Analyzed for 2009  
Construction Season

**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**FRIDAY WESTBOUND DIRECTION**



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

**SUMMARY OF TRAFFIC MODEL OUTPUT**

**FRIDAY 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	70	0.0	1500	70	0	0.43	0	66.3	62.8	45.2
1-2 AM	49	0.0	1500	49	0	0.43	0	66.3	62.8	45.3
2-3 AM	43	0.0	1500	43	0	0.43	0	66.3	62.8	45.3
3-4 AM	89	0.0	1500	89	0	0.43	0	66.2	62.7	45.1
4-5 AM	220	0.0	1500	220	0	0.44	0	66.0	62.4	44.6
5-6 AM	882	0.0	1500	882	0	0.51	0	64.8	60.9	42.1
6-7 AM	2229	0.0	1499	1930	299	8.47+	239	62.2	30.8	30.8
7-8 AM	3182	0.0	1500	1500	1682	14.40+	400	53.9	21.5	30.8
8-9 AM	2231	0.0	1500	1500	731	15.68+	400	62.2	21.5	30.8
9-10 AM	1374	0.0	1499	1314	60	13.76+	347	63.8	23.6	30.8
10-11 AM	1228	0.0	1499	1228	0	4.45	113	64.1	41.2	33.7
11AM-NOON	1258	0.0	1500	1258	0	0.71	0	64.0	58.9	36.7
NOON-1PM	1178	0.0	1500	1178	0	0.61	0	64.2	59.7	39.2
1-2 PM	1132	0.0	1500	1132	0	0.55	0	64.3	60.2	40.7
2-3 PM	1267	0.0	1500	1267	0	0.72	0	64.0	58.7	36.5
3-4 PM	1382	0.0	1499	1382	0	0.87	0	63.8	57.6	33.4
4-5 PM	1527	0.0	1499	1527	0	1.29	7	63.5	54.8	30.8
5-6 PM	1573	0.0	1500	1573	0	3.75	74	63.5	43.4	30.8
6-7 PM	1144	0.0	1500	1144	0	1.24	19	64.3	55.6	38.4
7-8 PM	781	0.0	1500	781	0	0.50	0	65.0	61.1	42.5
8-9 PM	610	0.0	1500	610	0	0.48	0	65.3	61.5	43.1
9-10 PM	493	0.0	1500	493	0	0.47	0	65.5	61.8	43.5
10-11 PM	574	0.0	1500	574	0	0.48	0	65.3	61.6	43.2
11PM-MID	276	0.0	1500	276	0	0.45	0	65.9	62.3	44.4

+ 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	0.0339
MAIN ROUTE WITH WORKS	0.0287
'DIVERSION'	0.0088

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$30,475
CONGESTED HOURS PER DAY*	4

\*Delays Exceeding User-Specified Maximum

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**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**FRIDAY EASTBOUND DIRECTION**

