

<b>IH 94: STH 16 TO USH 18 (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**

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	413	0.0	3000	413	0	0.36	0	70.2	63.8	49.7
1-2 AM	273	0.0	3000	273	0	0.36	0	70.2	63.8	49.7
2-3 AM	209	0.0	3000	209	0	0.36	0	70.2	63.8	49.7
3-4 AM	267	0.0	3000	267	0	0.36	0	70.2	63.8	49.7
4-5 AM	423	0.0	3000	423	0	0.36	0	70.2	63.8	49.7
5-6 AM	1197	0.0	3000	1197	0	0.35	0	69.2	63.2	49.7
6-7 AM	2834	0.0	2999	2834	0	0.90	22	67.2	54.3	42.2
7-8 AM	3997	0.0	3000	3785	212	8.95+	529	63.5	19.6	37.3
8-9 AM	3690	0.0	3000	2976	714	15.24+	804	65.6	13.4	37.3
9-10 AM	2847	0.0	2999	2763	84	13.98+	733	67.2	14.3	37.3
10-11 AM	2775	0.0	3000	2775	0	9.61	494	67.3	18.9	37.3
11AM-NOON	3157	0.0	3000	3157	0	8.85	450	66.8	19.9	37.3
NOON-1PM	3386	0.0	3000	3238	147	13.50+	712	66.5	14.7	37.3
1-2 PM	3467	0.0	2999	3001	466	15.31+	805	66.4	13.4	37.3
2-3 PM	3990	0.0	3000	3003	987	15.15+	806	63.6	13.4	37.3
3-4 PM	5107	0.0	2999	3000	2107	14.66+	809	56.0	13.4	37.3
4-5 PM	5669	0.0	3000	3000	2669	14.32+	809	52.1	13.4	37.3
5-6 PM	5711	0.0	3000	3000	2711	14.30+	809	51.9	13.4	37.3
6-7 PM	3943	0.0	3000	3003	939	15.18+	806	63.9	13.4	37.3
7-8 PM	2652	0.0	2999	2652	0	12.76+	673	67.4	15.3	37.3
8-9 PM	2235	0.0	2999	2235	0	2.06	144	67.9	43.7	46.1
9-10 PM	1994	0.0	3000	1994	0	0.33	0	68.2	62.6	49.7
10-11 PM	1388	0.0	3000	1388	0	0.34	0	69.0	63.0	49.7
11PM-MID	799	0.0	3000	799	0	0.35	0	69.7	63.5	49.7

+ 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

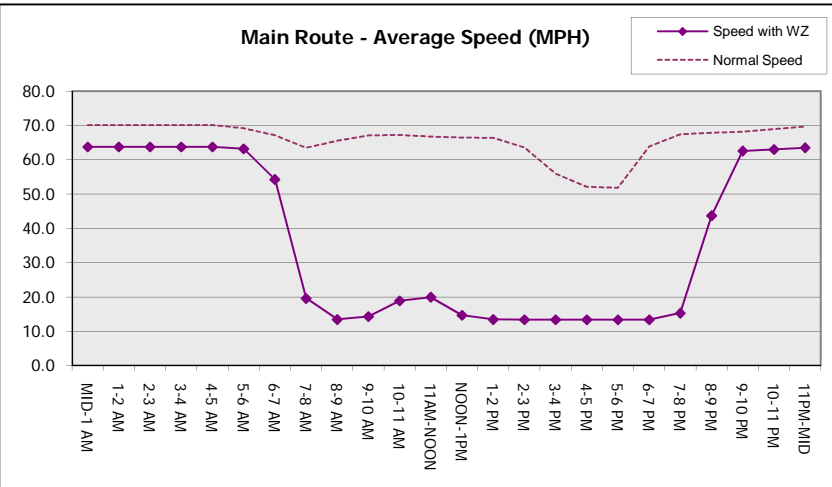
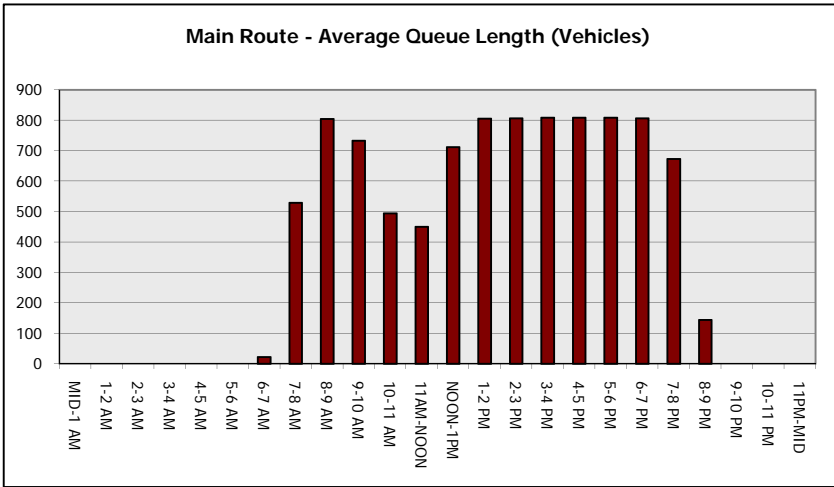
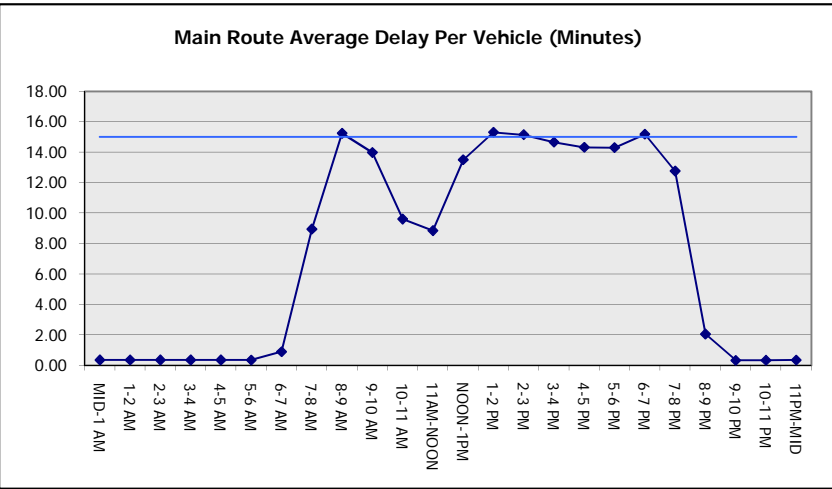
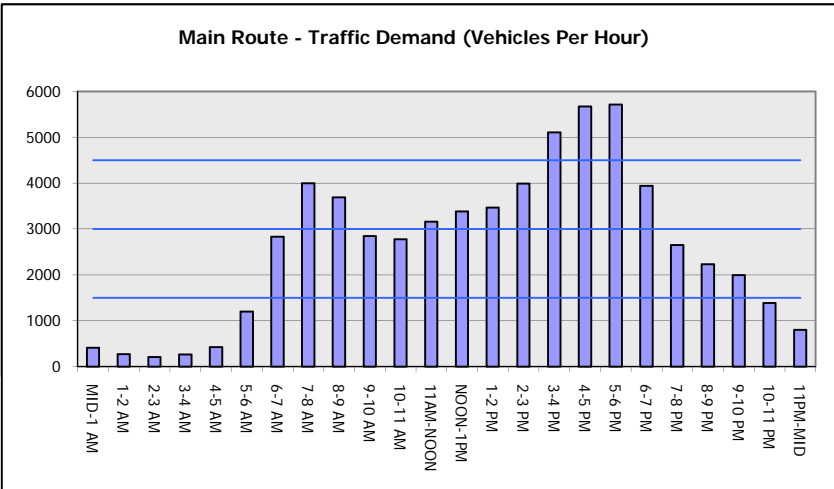
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0417
MAIN ROUTE WITH WORKS	0.0310
'DIVERSION'	0.0171
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$151,077
CONGESTED HOURS PER DAY*	11

\*Delays Exceeding User-Specified Maximum

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**MAY**  
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Construction Season

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



<b>IH 94: STH 16 TO USH 18 (WAUKESHA COUNTY)                  CONTINUOUS (24 HOUR) CLOSURE                  NO DIVERSION ROUTE (MAX QUEUE METHOD)</b>	<b>MAY</b>
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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	313	0.0	3000	313	0	0.36	0	70.2	63.8	49.7
1-2 AM	222	0.0	3000	222	0	0.36	0	70.2	63.8	49.7
2-3 AM	204	0.0	3000	204	0	0.36	0	70.2	63.8	49.7
3-4 AM	239	0.0	3000	239	0	0.36	0	70.2	63.8	49.7
4-5 AM	640	0.0	3000	640	0	0.36	0	69.9	63.7	49.7
5-6 AM	2094	0.0	2999	2094	0	0.41	0	68.1	61.3	46.8
6-7 AM	4905	0.0	2999	3724	1181	9.71+	585	57.3	18.0	37.3
7-8 AM	5751	0.0	3000	3000	2751	14.27+	809	51.5	13.4	37.3
8-9 AM	4680	0.0	3000	3013	1667	14.86+	808	58.9	13.4	37.3
9-10 AM	3515	0.0	3000	3053	463	15.20+	799	66.4	13.4	37.3
10-11 AM	3222	0.0	2999	3001	221	15.33+	805	66.8	13.4	37.3
11AM-NOON	3351	0.0	3000	3001	350	15.32+	805	66.6	13.4	37.3
NOON-1PM	3317	0.0	3000	3001	316	15.32+	805	66.6	13.4	37.3
1-2 PM	3276	0.0	3000	3001	275	15.33+	805	66.6	13.4	37.3
2-3 PM	3489	0.0	3000	3001	488	15.31+	805	66.4	13.4	37.3
3-4 PM	4153	0.0	3000	3003	1149	15.09+	806	62.5	13.4	37.3
4-5 PM	4475	0.0	3000	3005	1470	14.97+	808	60.3	13.4	37.3
5-6 PM	4436	0.0	3000	3002	1433	14.98+	808	60.5	13.4	37.3
6-7 PM	3150	0.0	3000	2936	214	15.02+	788	66.8	13.5	37.3
7-8 PM	2217	0.0	2999	2217	0	5.81	387	68.0	26.5	43.3
8-9 PM	1922	0.0	3000	1922	0	0.34	0	68.4	62.7	49.7
9-10 PM	1520	0.0	3000	1520	0	0.34	0	68.9	63.0	49.7
10-11 PM	974	0.0	3000	974	0	0.35	0	69.6	63.4	49.7
11PM-MID	658	0.0	3000	658	0	0.36	0	69.9	63.7	49.7

+ 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	0.0419
MAIN ROUTE WITH WORKS	0.0306
'DIVERSION'	0.0185

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$168,839
CONGESTED HOURS PER DAY*	13

\*Delays Exceeding User-Specified Maximum

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

