

IH 94: USH 18 TO CTH O (WAUKESHA COUNTY) CONTINUOUS (24 HOUR) CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	AUGUST
	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	139	0.0	3000	139	0	0.36	0	70.2	62.5	49.7
1-2 AM	24	0.0	3000	24	0	0.36	0	70.2	62.5	49.7
2-3 AM	151	0.0	3000	151	0	0.36	0	70.2	62.5	49.7
3-4 AM	23	0.0	3000	23	0	0.36	0	70.2	62.5	49.7
4-5 AM	70	0.0	3000	70	0	0.36	0	70.2	62.5	49.7
5-6 AM	138	0.0	3000	138	0	0.36	0	70.2	62.5	49.7
6-7 AM	199	0.0	3000	199	0	0.36	0	70.2	62.5	49.7
7-8 AM	141	0.0	3000	141	0	0.36	0	70.2	62.5	49.7
8-9 AM	3023	0.0	2999	3023	0	1.16	35	67.0	48.4	39.2
9-10 AM	2201	0.0	3000	2201	0	0.57	16	68.0	57.1	48.8
10-11 AM	1418	0.0	3000	1418	0	0.34	0	69.0	61.8	49.7
11AM-NOON	2046	0.0	3000	2046	0	0.33	0	68.2	61.4	49.7
NOON-1PM	141	0.0	3000	141	0	0.36	0	70.2	62.5	49.7
1-2 PM	2630	0.0	2999	2630	0	0.85	23	67.4	52.7	43.5
2-3 PM	4624	0.0	3000	3701	923	10.89+	640	59.2	15.2	37.3
3-4 PM	5015	0.0	3000	3012	2003	15.73+	862	56.6	12.0	37.3
4-5 PM	4861	0.0	3000	3019	1841	15.79+	861	57.6	12.0	37.3
5-6 PM	5089	0.0	3000	3000	2088	15.72+	864	56.1	12.0	37.3
6-7 PM	3850	0.0	3000	3008	842	15.83+	839	64.6	12.2	37.3
7-8 PM	3066	0.0	3000	2968	98	15.74+	827	66.9	12.2	37.3
8-9 PM	2801	0.0	2999	2801	0	13.83+	723	67.3	13.0	37.3
9-10 PM	2426	0.0	2999	2426	0	5.80	337	67.7	23.2	40.4
10-11 PM	2147	0.0	3000	2147	0	0.34	0	68.1	61.1	49.7
11PM-MID	1701	0.0	3000	1701	0	0.34	0	68.6	61.6	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

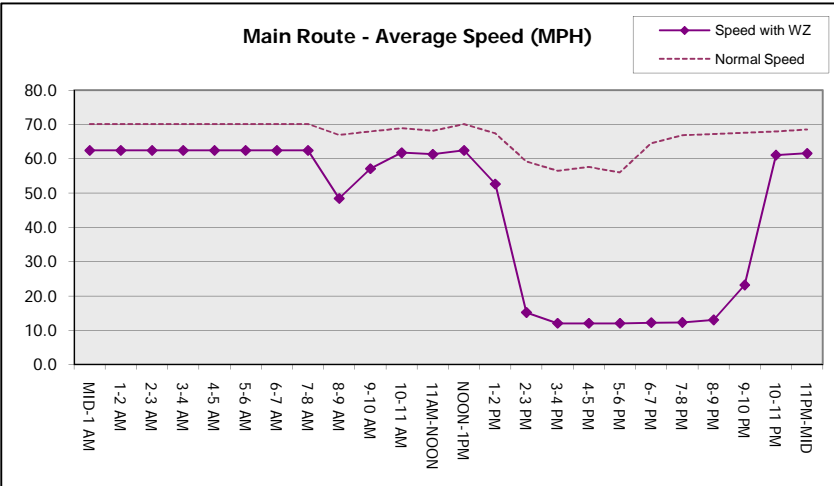
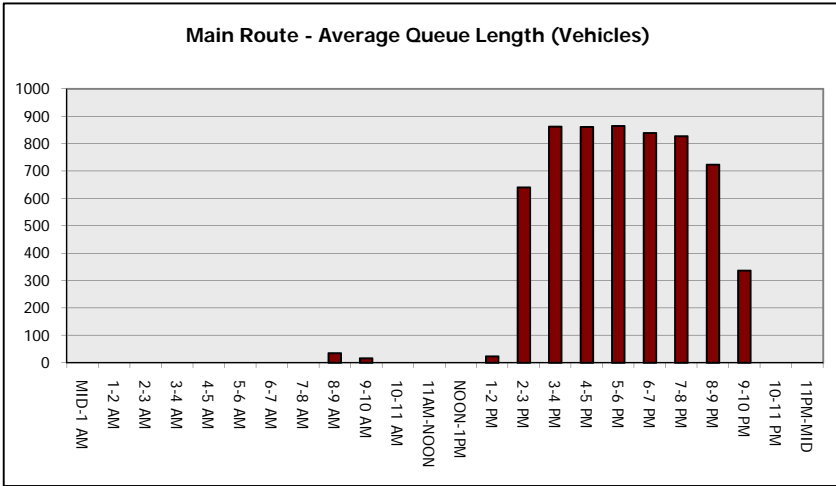
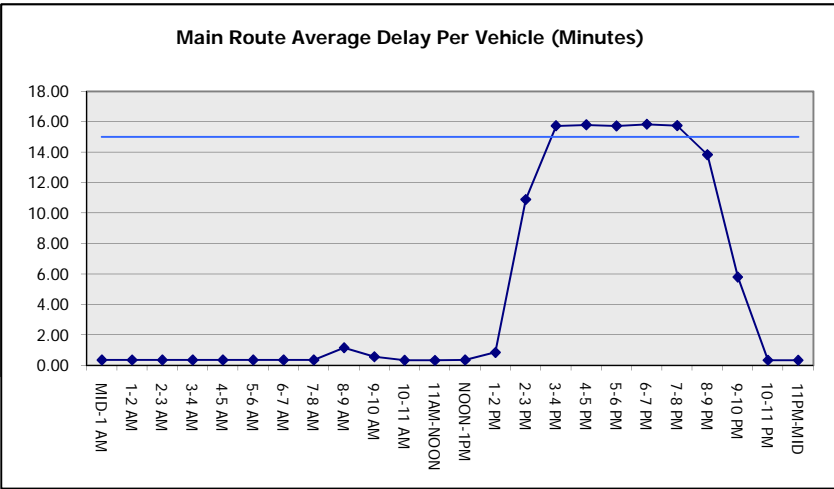
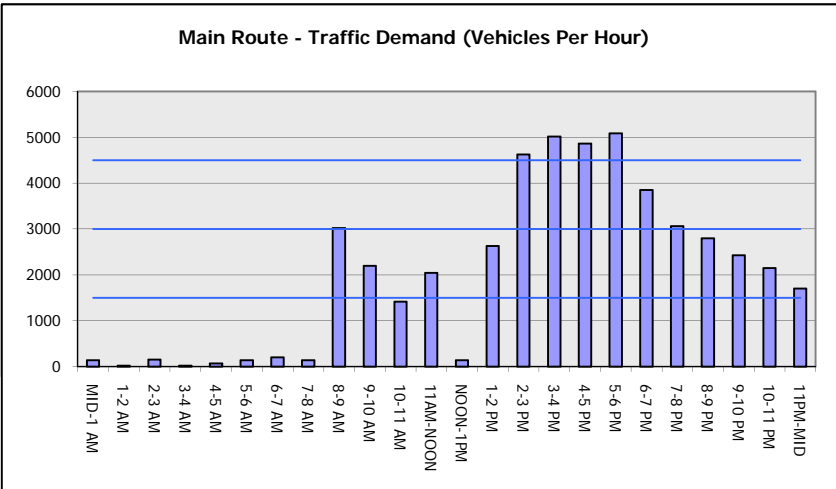
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0259
MAIN ROUTE WITH WORKS	0.0191
'DIVERSION'	0.0098
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$105,793
CONGESTED HOURS PER DAY*	7

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY WESTBOUND DIRECTION



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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	83	0.0	3000	83	0	0.36	0	70.2	62.5	49.7
1-2 AM	24	0.0	3000	24	0	0.36	0	70.2	62.5	49.7
2-3 AM	95	0.0	3000	95	0	0.36	0	70.2	62.5	49.7
3-4 AM	14	0.0	3000	14	0	0.36	0	70.2	62.5	49.7
4-5 AM	70	0.0	3000	70	0	0.36	0	70.2	62.5	49.7
5-6 AM	91	0.0	3000	91	0	0.36	0	70.2	62.5	49.7
6-7 AM	229	0.0	3000	229	0	0.36	0	70.2	62.5	49.7
7-8 AM	122	0.0	3000	122	0	0.36	0	70.2	62.5	49.7
8-9 AM	2960	0.0	2999	2960	0	1.03	27	67.1	50.1	39.8
9-10 AM	2185	0.0	3000	2185	0	0.47	9	68.0	58.7	49.3
10-11 AM	1369	0.0	3000	1369	0	0.34	0	69.1	61.8	49.7
11AM-NOON	2009	0.0	3000	2009	0	0.33	0	68.2	61.4	49.7
NOON-1PM	109	0.0	3000	109	0	0.36	0	70.2	62.5	49.7
1-2 PM	2181	0.0	2999	2181	0	0.45	0	68.0	59.1	45.5
2-3 PM	4737	0.0	2999	3736	1001	9.87+	597	58.5	16.2	37.3
3-4 PM	5125	0.0	3000	3051	2074	15.59+	858	55.8	12.0	37.3
4-5 PM	4914	0.0	3000	3032	1882	15.73+	860	57.3	12.0	37.3
5-6 PM	4785	0.0	3000	3023	1762	15.81+	861	58.2	12.0	37.3
6-7 PM	3850	0.0	3000	2999	851	15.82+	838	64.6	12.2	37.3
7-8 PM	3177	0.0	3000	2997	180	15.89+	836	66.8	12.2	37.3
8-9 PM	2720	0.0	2999	2720	0	13.72+	719	67.4	13.0	37.3
9-10 PM	2494	0.0	2999	2494	0	5.84	327	67.6	23.0	39.9
10-11 PM	2003	0.0	3000	2003	0	0.36	1	68.2	60.9	49.7
11PM-MID	1514	0.0	3000	1514	0	0.34	0	68.9	61.7	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	0.0253
MAIN ROUTE WITH WORKS	0.0186
'DIVERSION'	0.0097

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$104,119
CONGESTED HOURS PER DAY*	7

*Delays Exceeding User-Specified Maximum

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FRIDAY EASTBOUND DIRECTION

