

IH 94: USH 18 TO CTH O (WAUKESHA COUNTY) OFF-PEAK DAY 2 LANE CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	MAY
	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	695	0.0	OFF	695	0	0.00	0	69.9	69.9	69.9	
1-2 AM	412	0.0	OFF	412	0	0.00	0	70.2	70.2	70.2	
2-3 AM	375	0.0	OFF	375	0	0.00	0	70.2	70.2	70.2	
3-4 AM	384	0.0	OFF	384	0	0.00	0	70.2	70.2	70.2	
4-5 AM	714	0.0	OFF	714	0	0.00	0	69.9	69.9	69.9	
5-6 AM	1975	0.0	OFF	1975	0	0.00	0	68.2	68.2	68.2	
6-7 AM	4168	0.0	OFF	4168	0	0.00	0	62.4	62.4	62.4	
7-8 AM	5171	0.0	OFF	5171	0	0.00	0	55.5	55.5	55.5	
8-9 AM	4798	0.0	OFF	4798	0	0.00	0	58.1	58.1	58.1	
9-10 AM	3788	0.0	OFF	3788	0	0.00	0	65.0	65.0	65.0	
10-11 AM	3570	0.0	1499	1550	2020	16.46+	412	66.3	10.4	36.6	
11AM-NOON	3633	0.0	1499	1668	1965	14.40+	379	66.0	11.7	35.8	
NOON-1PM	4504	0.0	1499	1500	3004	15.58+	399	60.1	10.7	38.4	
1-2 PM	3654	0.0	1500	1545	2109	15.87+	396	65.9	10.7	35.4	
2-3 PM	4143	0.0	1500	1500	2643	15.81+	400	62.5	10.7	36.0	
3-4 PM	4967	0.0	OFF	4967	0	0.45	33	56.9	50.5	50.5	
4-5 PM	4975	0.0	OFF	4975	0	0.00	0	56.9	56.9	56.9	
5-6 PM	4621	0.0	OFF	4621	0	0.00	0	59.3	59.3	59.3	
6-7 PM	4248	0.0	OFF	4248	0	0.00	0	61.9	61.9	61.9	
7-8 PM	2877	0.0	OFF	2877	0	0.00	0	67.1	67.1	67.1	
8-9 PM	1909	0.0	OFF	1909	0	0.00	0	68.4	68.4	68.4	
9-10 PM	1992	0.0	OFF	1992	0	0.00	0	68.2	68.2	68.2	
10-11 PM	1892	0.0	OFF	1892	0	0.00	0	68.4	68.4	68.4	
11PM-MID	1413	0.0	OFF	1413	0	0.00	0	69.0	69.0	69.0	

"OFF" INDICATES NO ROAD WORK (ALL LANES OPEN TO TRAFFIC)

+ 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	0.0383
MAIN ROUTE WITH WORKS	0.0315
'DIVERSION'	0.0147
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$67,753
CONGESTED HOURS PER DAY*	5

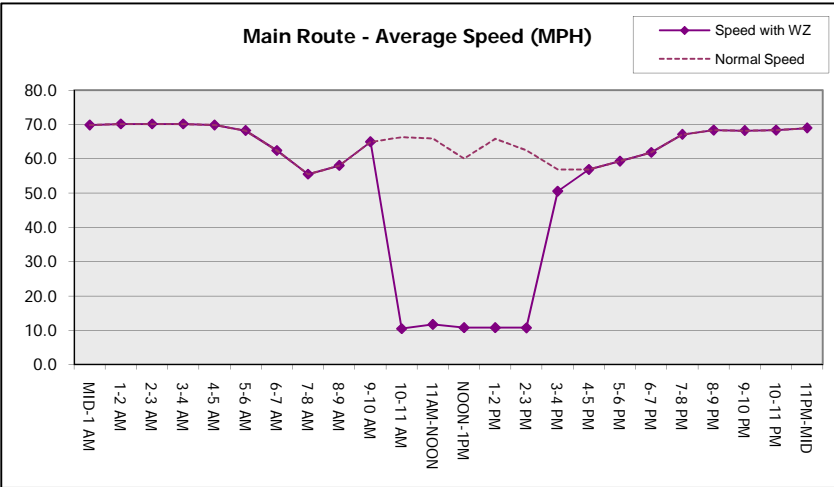
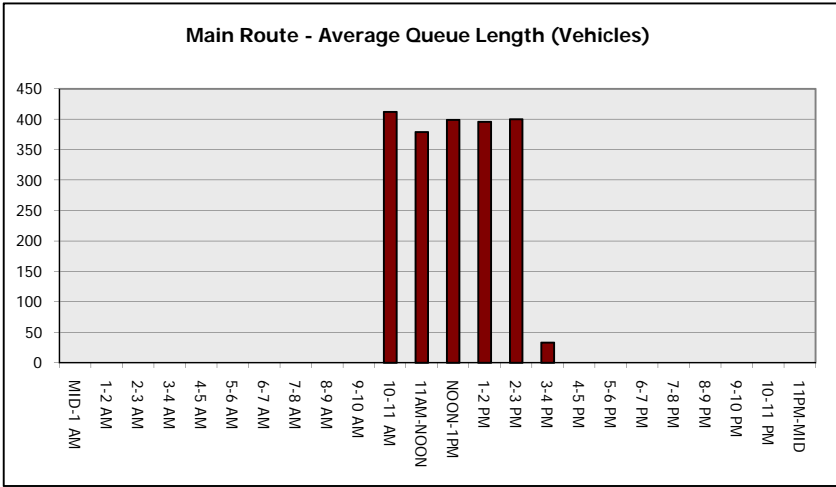
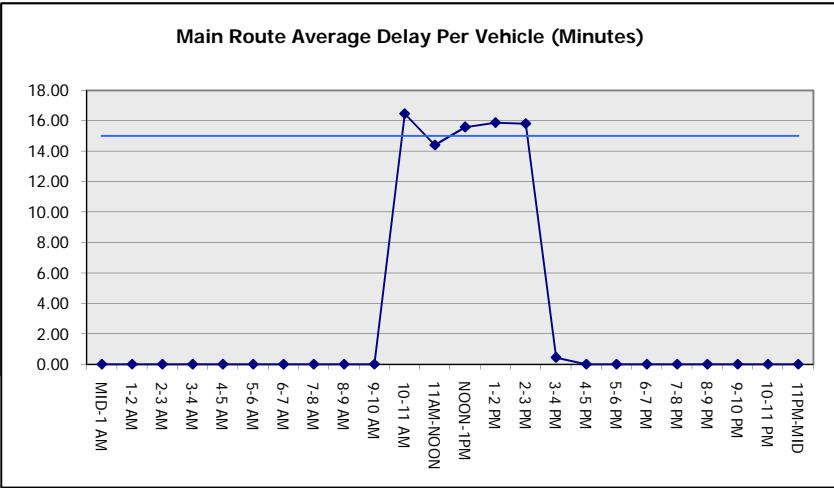
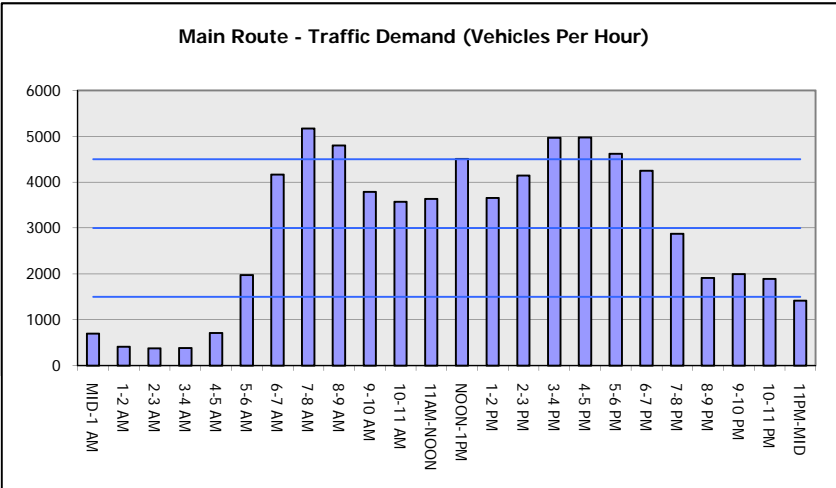
*Delays Exceeding User-Specified Maximum

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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	613	0.0	OFF	613	0	0.00	0	70.0	70.0	70.0
1-2 AM	394	0.0	OFF	394	0	0.00	0	70.2	70.2	70.2
2-3 AM	309	0.0	OFF	309	0	0.00	0	70.2	70.2	70.2
3-4 AM	307	0.0	OFF	307	0	0.00	0	70.2	70.2	70.2
4-5 AM	631	0.0	OFF	631	0	0.00	0	69.9	69.9	69.9
5-6 AM	1895	0.0	OFF	1895	0	0.00	0	68.4	68.4	68.4
6-7 AM	4450	0.0	OFF	4450	0	0.00	0	60.5	60.5	60.5
7-8 AM	5286	0.0	OFF	5286	0	0.00	0	54.8	54.8	54.8
8-9 AM	4656	0.0	OFF	4656	0	0.00	0	59.1	59.1	59.1
9-10 AM	3786	0.0	OFF	3786	0	0.00	0	65.0	65.0	65.0
10-11 AM	3315	0.0	1499	1550	1765	16.48+	412	66.6	10.4	36.6
11AM-NOON	3197	0.0	1499	1618	1579	14.35+	379	66.8	11.7	36.0
NOON-1PM	3877	0.0	1499	1697	2179	15.66+	388	64.4	10.8	30.8
1-2 PM	3201	0.0	1500	1500	1701	16.28+	400	66.8	10.6	30.8
2-3 PM	3893	0.0	1500	1500	2393	16.16+	400	64.3	10.6	30.8
3-4 PM	4658	0.0	OFF	4658	0	0.65	49	59.1	49.7	49.7
4-5 PM	4686	0.0	OFF	4686	0	0.00	0	58.8	58.8	58.8
5-6 PM	4348	0.0	OFF	4348	0	0.00	0	61.2	61.2	61.2
6-7 PM	3802	0.0	OFF	3802	0	0.00	0	64.9	64.9	64.9
7-8 PM	2881	0.0	OFF	2881	0	0.00	0	67.1	67.1	67.1
8-9 PM	2039	0.0	OFF	2039	0	0.00	0	68.2	68.2	68.2
9-10 PM	2128	0.0	OFF	2128	0	0.00	0	68.1	68.1	68.1
10-11 PM	1664	0.0	OFF	1664	0	0.00	0	68.7	68.7	68.7
11PM-MID	1462	0.0	OFF	1462	0	0.00	0	68.9	68.9	68.9

"OFF" INDICATES NO ROAD WORK (ALL LANES OPEN TO TRAFFIC)

+ 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	0.0365
MAIN ROUTE WITH WORKS	0.0308
'DIVERSION'	0.0120

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$61,639
CONGESTED HOURS PER DAY*	5

*Delays Exceeding User-Specified Maximum

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FRIDAY EASTBOUND DIRECTION

