

IH 94: USH 18 TO CTH O (WAUKESHA COUNTY) OFF-PEAK DAY CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	MAY
	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	465	0.0	OFF	465	0	0.00	0	70.2	70.2	70.2
1-2 AM	291	0.0	OFF	291	0	0.00	0	70.2	70.2	70.2
2-3 AM	286	0.0	OFF	286	0	0.00	0	70.2	70.2	70.2
3-4 AM	335	0.0	OFF	335	0	0.00	0	70.2	70.2	70.2
4-5 AM	613	0.0	OFF	613	0	0.00	0	70.0	70.0	70.0
5-6 AM	1743	0.0	OFF	1743	0	0.00	0	68.6	68.6	68.6
6-7 AM	4073	0.0	OFF	4073	0	0.00	0	63.0	63.0	63.0
7-8 AM	4888	0.0	OFF	4888	0	0.00	0	57.4	57.4	57.4
8-9 AM	4206	0.0	OFF	4206	0	0.00	0	62.1	62.1	62.1
9-10 AM	2830	0.0	OFF	2830	0	0.00	0	67.2	67.2	67.2
10-11 AM	2686	0.0	2999	2686	0	0.52	0	67.4	57.4	42.7
11AM-NOON	2953	0.0	2999	2953	0	0.76	3	67.1	53.7	38.3
NOON-1PM	3312	0.0	3000	3312	0	3.13	150	66.6	33.0	37.3
1-2 PM	3625	0.0	3000	3597	28	11.43+	619	66.1	14.7	37.3
2-3 PM	3822	0.0	3000	2960	862	15.90+	842	64.8	12.1	37.3
3-4 PM	4045	0.0	OFF	4045	0	2.34	199	63.2	36.6	36.6
4-5 PM	4570	0.0	OFF	4570	0	0.00	0	59.6	59.6	59.6
5-6 PM	4184	0.0	OFF	4184	0	0.00	0	62.3	62.3	62.3
6-7 PM	3334	0.0	OFF	3334	0	0.00	0	66.6	66.6	66.6
7-8 PM	2332	0.0	OFF	2332	0	0.00	0	67.8	67.8	67.8
8-9 PM	1677	0.0	OFF	1677	0	0.00	0	68.6	68.6	68.6
9-10 PM	1660	0.0	OFF	1660	0	0.00	0	68.7	68.7	68.7
10-11 PM	1318	0.0	OFF	1318	0	0.00	0	69.1	69.1	69.1
11PM-MID	824	0.0	OFF	824	0	0.00	0	69.7	69.7	69.7

"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

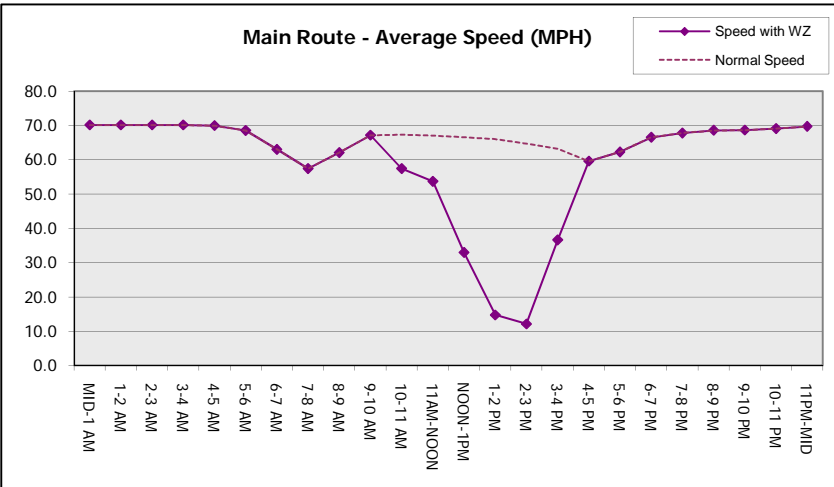
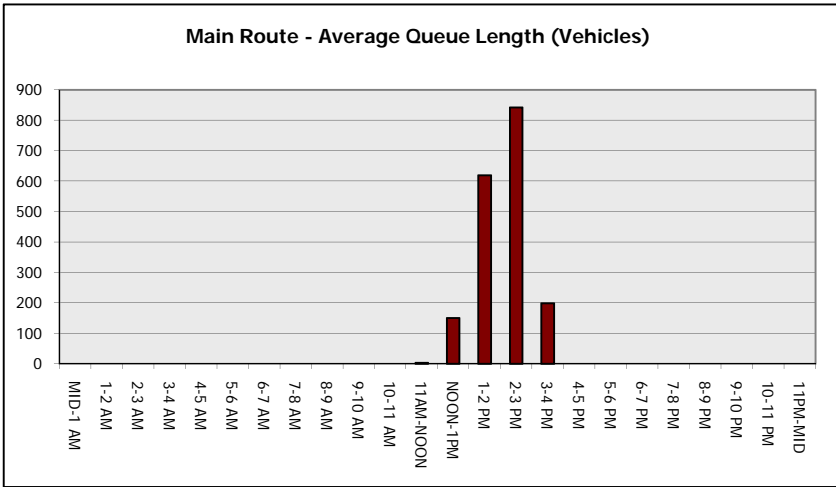
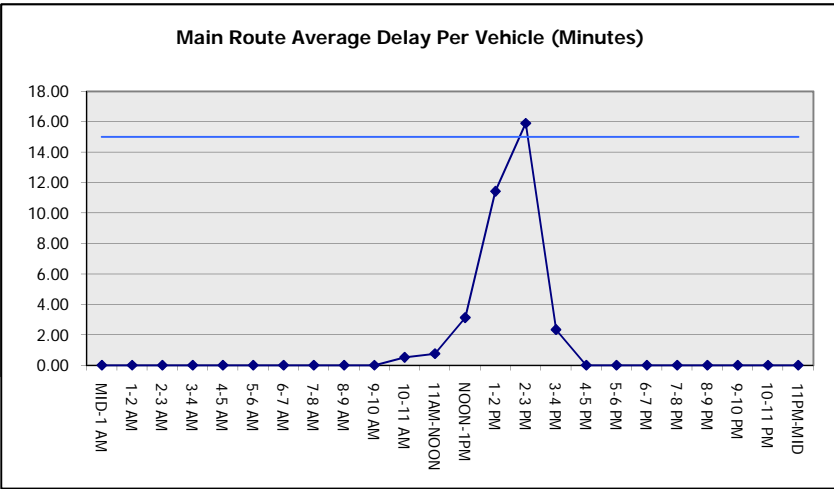
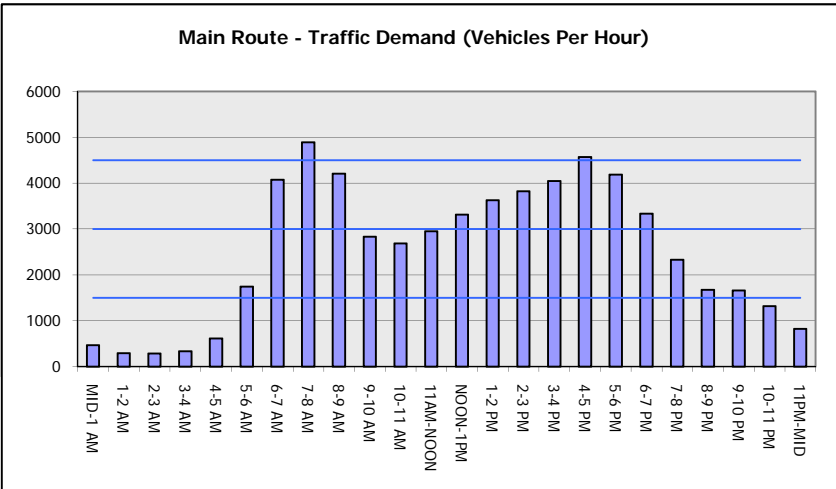
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0325
MAIN ROUTE WITH WORKS	0.0310
'DIVERSION'	0.0011
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$23,310
CONGESTED HOURS PER DAY*	2

*Delays Exceeding User-Specified Maximum

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



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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	443	0.0	OFF	443	0	0.00	0	70.2	70.2	70.2
1-2 AM	253	0.0	OFF	253	0	0.00	0	70.2	70.2	70.2
2-3 AM	234	0.0	OFF	234	0	0.00	0	70.2	70.2	70.2
3-4 AM	271	0.0	OFF	271	0	0.00	0	70.2	70.2	70.2
4-5 AM	546	0.0	OFF	546	0	0.00	0	70.0	70.0	70.0
5-6 AM	1720	0.0	OFF	1720	0	0.00	0	68.6	68.6	68.6
6-7 AM	4629	0.0	OFF	4629	0	0.00	0	59.2	59.2	59.2
7-8 AM	5093	0.0	OFF	5093	0	0.00	0	56.1	56.1	56.1
8-9 AM	4272	0.0	OFF	4272	0	0.00	0	61.7	61.7	61.7
9-10 AM	3083	0.0	OFF	3083	0	0.00	0	66.9	66.9	66.9
10-11 AM	2853	0.0	3000	2853	0	0.63	0	67.2	55.6	39.6
11AM-NOON	2965	0.0	2999	2965	0	0.71	0	67.1	54.3	37.8
NOON-1PM	3154	0.0	3000	3154	0	1.77	63	66.8	42.3	37.3
1-2 PM	3442	0.0	3000	3442	0	6.84	362	66.4	20.6	37.3
2-3 PM	3601	0.0	3000	3275	326	14.93+	788	66.3	12.5	37.3
3-4 PM	3767	0.0	OFF	3767	0	2.02	170	65.1	39.6	39.6
4-5 PM	4246	0.0	OFF	4246	0	0.00	0	61.9	61.9	61.9
5-6 PM	3939	0.0	OFF	3939	0	0.00	0	64.0	64.0	64.0
6-7 PM	3083	0.0	OFF	3083	0	0.00	0	66.9	66.9	66.9
7-8 PM	2289	0.0	OFF	2289	0	0.00	0	67.9	67.9	67.9
8-9 PM	1875	0.0	OFF	1875	0	0.00	0	68.4	68.4	68.4
9-10 PM	1796	0.0	OFF	1796	0	0.00	0	68.5	68.5	68.5
10-11 PM	1285	0.0	OFF	1285	0	0.00	0	69.1	69.1	69.1
11PM-MID	882	0.0	OFF	882	0	0.00	0	69.6	69.6	69.6

"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	0.0323
MAIN ROUTE WITH WORKS	0.0311
'DIVERSION'	0.0004

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$17,509
CONGESTED HOURS PER DAY*	1

*Delays Exceeding User-Specified Maximum

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MON-THUR EASTBOUND DIRECTION

