

IH 94: USH 18 TO CTH O (WAUKESHA COUNTY) OFF-PEAK DAY 2 LANE 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	OFF	139	0	0.00	0	70.2	70.2	70.2
1-2 AM	24	0.0	OFF	24	0	0.00	0	70.2	70.2	70.2
2-3 AM	151	0.0	OFF	151	0	0.00	0	70.2	70.2	70.2
3-4 AM	23	0.0	OFF	23	0	0.00	0	70.2	70.2	70.2
4-5 AM	70	0.0	OFF	70	0	0.00	0	70.2	70.2	70.2
5-6 AM	138	0.0	OFF	138	0	0.00	0	70.2	70.2	70.2
6-7 AM	199	0.0	OFF	199	0	0.00	0	70.2	70.2	70.2
7-8 AM	141	0.0	OFF	141	0	0.00	0	70.2	70.2	70.2
8-9 AM	3023	0.0	OFF	3023	0	0.00	0	67.0	67.0	67.0
9-10 AM	2201	0.0	OFF	2201	0	0.00	0	68.0	68.0	68.0
10-11 AM	1418	0.0	1500	1418	0	0.99	0	69.0	51.7	32.5
11AM-NOON	2046	0.0	1499	1856	189	10.86+	287	68.2	14.7	30.8
NOON-1PM	141	0.0	1500	141	0	1.15	44	70.2	50.3	44.6
1-2 PM	2630	0.0	1499	1785	845	9.68+	271	67.4	16.0	32.5
2-3 PM	4624	0.0	1500	1500	3124	15.71+	400	59.2	10.6	34.2
3-4 PM	5015	0.0	OFF	5015	0	0.54	41	56.6	49.2	49.2
4-5 PM	4861	0.0	OFF	4861	0	0.00	0	57.6	57.6	57.6
5-6 PM	5089	0.0	OFF	5089	0	0.00	0	56.1	56.1	56.1
6-7 PM	3850	0.0	OFF	3850	0	0.00	0	64.6	64.6	64.6
7-8 PM	3066	0.0	OFF	3066	0	0.00	0	66.9	66.9	66.9
8-9 PM	2801	0.0	OFF	2801	0	0.00	0	67.3	67.3	67.3
9-10 PM	2426	0.0	OFF	2426	0	0.00	0	67.7	67.7	67.7
10-11 PM	2147	0.0	OFF	2147	0	0.00	0	68.1	68.1	68.1
11PM-MID	1701	0.0	OFF	1701	0	0.00	0	68.6	68.6	68.6

"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	0.0
(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	0
(VEH-H) MAX	0
AV BREAKDOWNS PER DAY	0
AV QUEUE DELAY/DAY (VEH-H)	0
AV TOTAL DELAY/DAY (VEH-H)	0

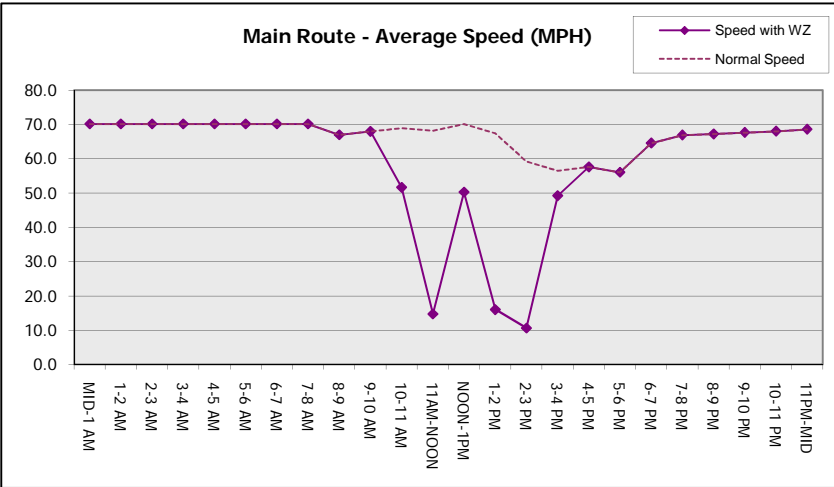
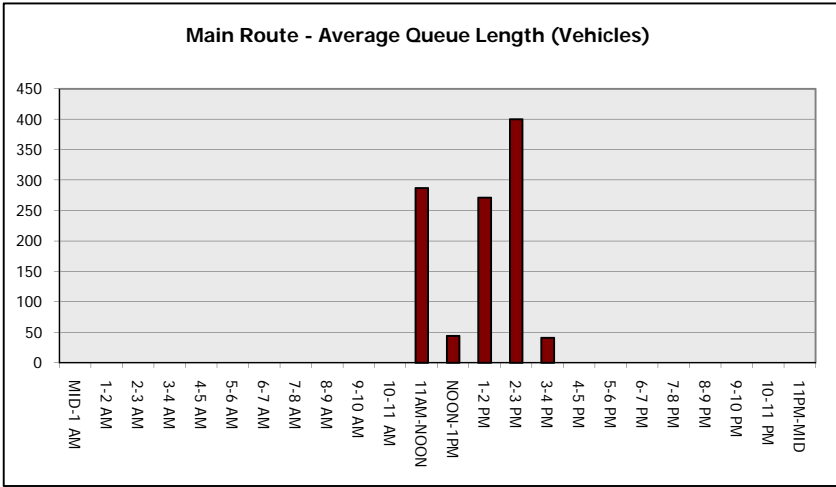
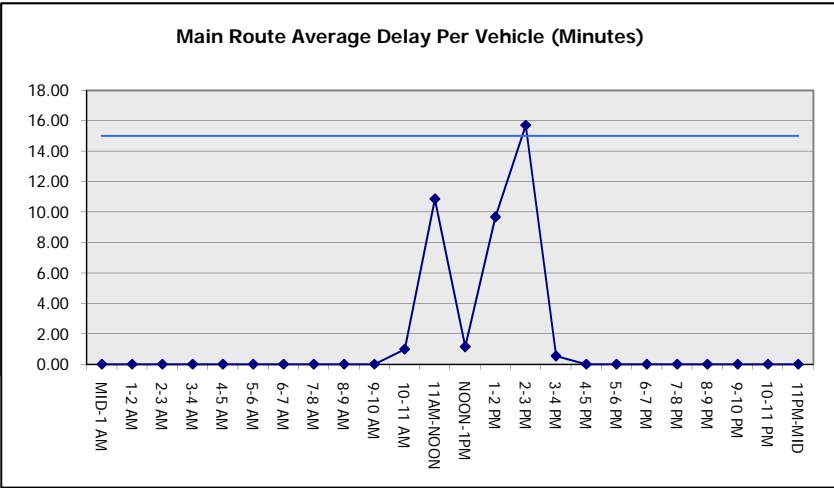
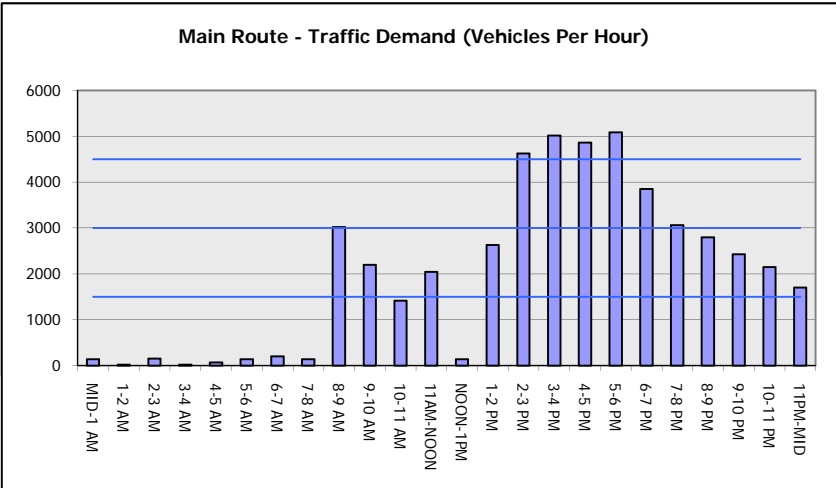
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0259
MAIN ROUTE WITH WORKS	0.0232
'DIVERSION'	0.0052
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$28,433
CONGESTED HOURS PER DAY*	3

*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	OFF	83	0	0.00	0	70.2	70.2	70.2
1-2 AM	24	0.0	OFF	24	0	0.00	0	70.2	70.2	70.2
2-3 AM	95	0.0	OFF	95	0	0.00	0	70.2	70.2	70.2
3-4 AM	14	0.0	OFF	14	0	0.00	0	70.2	70.2	70.2
4-5 AM	70	0.0	OFF	70	0	0.00	0	70.2	70.2	70.2
5-6 AM	91	0.0	OFF	91	0	0.00	0	70.2	70.2	70.2
6-7 AM	229	0.0	OFF	229	0	0.00	0	70.2	70.2	70.2
7-8 AM	122	0.0	OFF	122	0	0.00	0	70.2	70.2	70.2
8-9 AM	2960	0.0	OFF	2960	0	0.00	0	67.1	67.1	67.1
9-10 AM	2185	0.0	OFF	2185	0	0.00	0	68.0	68.0	68.0
10-11 AM	1369	0.0	1500	1369	0	0.93	0	69.1	52.5	33.7
11AM-NOON	2009	0.0	1499	1888	121	10.45+	277	68.2	15.2	30.8
NOON-1PM	109	0.0	1500	109	0	1.25	53	70.2	49.1	44.6
1-2 PM	2181	0.0	1499	2181	0	4.76+	195	68.0	26.3	30.8
2-3 PM	4737	0.0	1500	1071	3666	14.85+	390	58.5	11.1	38.9
3-4 PM	5125	0.0	OFF	5125	0	0.48	36	55.8	49.4	49.4
4-5 PM	4914	0.0	OFF	4914	0	0.00	0	57.3	57.3	57.3
5-6 PM	4785	0.0	OFF	4785	0	0.00	0	58.2	58.2	58.2
6-7 PM	3850	0.0	OFF	3850	0	0.00	0	64.6	64.6	64.6
7-8 PM	3177	0.0	OFF	3177	0	0.00	0	66.8	66.8	66.8
8-9 PM	2720	0.0	OFF	2720	0	0.00	0	67.4	67.4	67.4
9-10 PM	2494	0.0	OFF	2494	0	0.00	0	67.6	67.6	67.6
10-11 PM	2003	0.0	OFF	2003	0	0.00	0	68.2	68.2	68.2
11PM-MID	1514	0.0	OFF	1514	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	0.0253
MAIN ROUTE WITH WORKS	0.0229
'DIVERSION'	0.0047

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$24,095
CONGESTED HOURS PER DAY*	3

*Delays Exceeding User-Specified Maximum

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FRIDAY EASTBOUND DIRECTION

