

IH 94: STH 181 TO USH 41 (MILWAUKEE 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	714	0.0	OFF	714	0	0.00	0	69.9	69.9	69.9	
1-2 AM	465	0.0	OFF	465	0	0.00	0	70.2	70.2	70.2	
2-3 AM	382	0.0	OFF	382	0	0.00	0	70.2	70.2	70.2	
3-4 AM	382	0.0	OFF	382	0	0.00	0	70.2	70.2	70.2	
4-5 AM	743	0.0	OFF	743	0	0.00	0	69.8	69.8	69.8	
5-6 AM	2168	0.0	OFF	2168	0	0.00	0	68.1	68.1	68.1	
6-7 AM	4403	0.0	OFF	4403	0	0.00	0	60.8	60.8	60.8	
7-8 AM	5601	0.0	OFF	5601	0	0.00	0	52.6	52.6	52.6	
8-9 AM	4905	0.0	OFF	4905	0	0.00	0	57.3	57.3	57.3	
9-10 AM	3586	0.0	OFF	3586	0	0.00	0	66.3	66.3	66.3	
10-11 AM	3700	0.0	2999	3700	0	5.66	332	65.6	19.3	37.3	
11AM-NOON	4153	0.0	2999	3196	957	16.44+	878	62.5	10.7	37.3	
NOON-1PM	4510	0.0	3000	3031	1479	17.01+	917	60.1	10.5	37.3	
1-2 PM	4631	0.0	3000	2993	1638	17.12+	926	59.2	10.4	37.3	
2-3 PM	5587	0.0	3000	3000	2587	16.77+	932	52.7	10.4	37.3	
3-4 PM	5571	0.0	OFF	5571	0	7.21	705	52.8	14.5	14.5	
4-5 PM	5575	0.0	OFF	5575	0	2.94	278	52.8	25.3	25.3	
5-6 PM	5503	0.0	OFF	5503	0	0.07	4	53.3	52.0	52.0	
6-7 PM	4296	0.0	OFF	4296	0	0.00	0	61.5	61.5	61.5	
7-8 PM	3088	0.0	OFF	3088	0	0.00	0	66.9	66.9	66.9	
8-9 PM	2694	0.0	OFF	2694	0	0.00	0	67.4	67.4	67.4	
9-10 PM	2781	0.0	OFF	2781	0	0.00	0	67.3	67.3	67.3	
10-11 PM	2145	0.0	OFF	2145	0	0.00	0	68.1	68.1	68.1	
11PM-MID	1281	0.0	OFF	1281	0	0.00	0	69.1	69.1	69.1	

"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

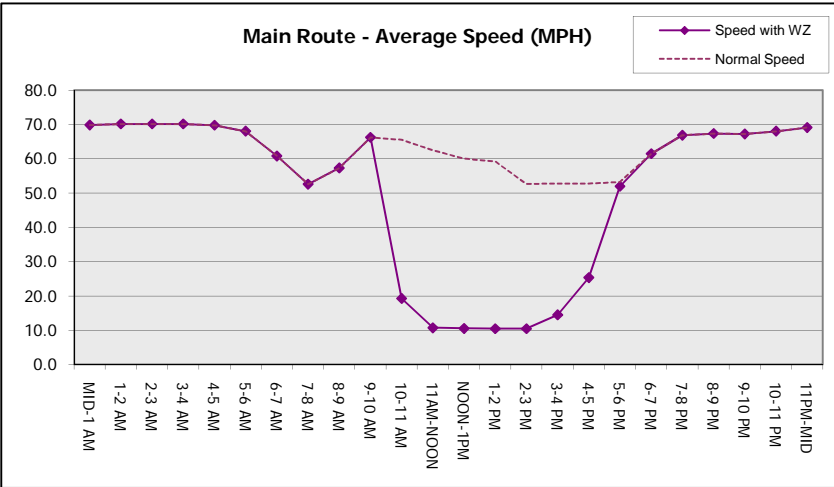
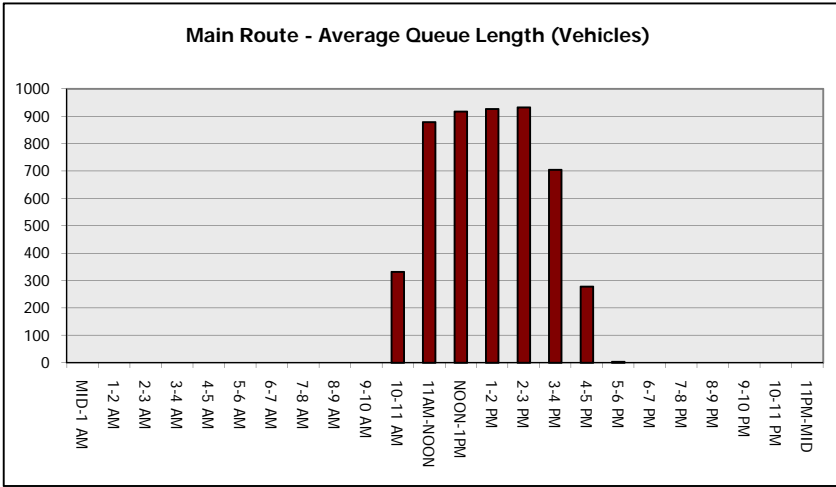
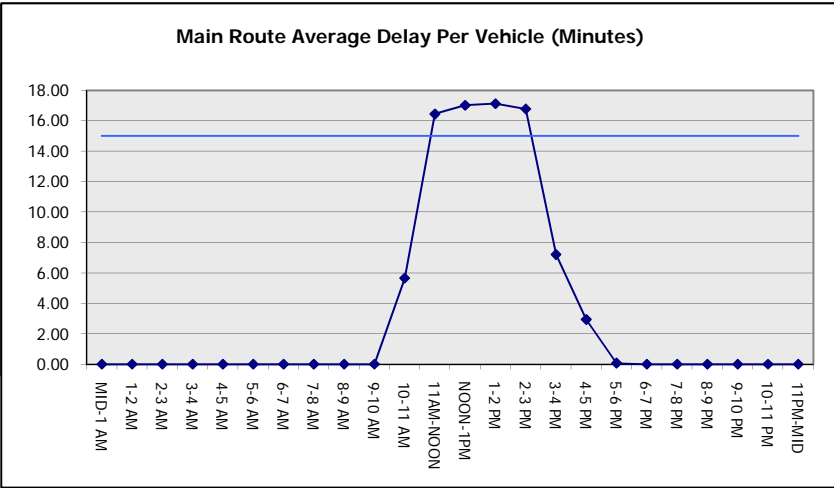
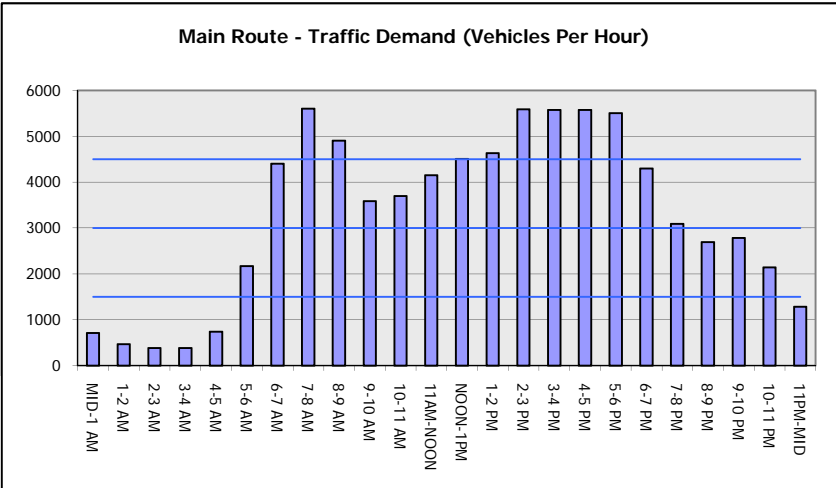
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0301
MAIN ROUTE WITH WORKS	0.0265
'DIVERSION'	0.0059
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$78,679
CONGESTED HOURS PER DAY*	4

*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	724	0.0	OFF	724	0	0.00	0	69.9	69.9	69.9
1-2 AM	384	0.0	OFF	384	0	0.00	0	70.2	70.2	70.2
2-3 AM	315	0.0	OFF	315	0	0.00	0	70.2	70.2	70.2
3-4 AM	294	0.0	OFF	294	0	0.00	0	70.2	70.2	70.2
4-5 AM	615	0.0	OFF	615	0	0.00	0	70.0	70.0	70.0
5-6 AM	2322	0.0	OFF	2322	0	0.00	0	67.9	67.9	67.9
6-7 AM	5537	0.0	OFF	5537	0	0.00	0	53.0	53.0	53.0
7-8 AM	5955	0.0	OFF	5955	0	0.00	0	50.2	50.2	50.2
8-9 AM	5248	0.0	OFF	5248	0	0.00	0	55.0	55.0	55.0
9-10 AM	4080	0.0	OFF	4080	0	0.00	0	63.0	63.0	63.0
10-11 AM	3986	0.0	2999	3986	0	8.08+	486	63.7	15.7	37.3
11AM-NOON	4288	0.0	2999	2917	1371	16.91+	907	61.5	10.6	37.3
NOON-1PM	4297	0.0	3000	2998	1299	16.78+	900	61.5	10.6	37.3
1-2 PM	4351	0.0	3000	3011	1341	16.83+	904	61.1	10.6	37.3
2-3 PM	4813	0.0	2999	3004	1809	17.14+	932	58.0	10.4	37.3
3-4 PM	4979	0.0	OFF	4979	0	4.42	410	56.8	20.7	20.7
4-5 PM	5163	0.0	OFF	5163	0	0.00	0	55.6	55.6	55.6
5-6 PM	5499	0.0	OFF	5499	0	0.00	0	53.3	53.3	53.3
6-7 PM	4647	0.0	OFF	4647	0	0.00	0	59.1	59.1	59.1
7-8 PM	3481	0.0	OFF	3481	0	0.00	0	66.4	66.4	66.4
8-9 PM	3075	0.0	OFF	3075	0	0.00	0	66.9	66.9	66.9
9-10 PM	2980	0.0	OFF	2980	0	0.00	0	67.0	67.0	67.0
10-11 PM	2151	0.0	OFF	2151	0	0.00	0	68.1	68.1	68.1
11PM-MID	1433	0.0	OFF	1433	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	0.0308
MAIN ROUTE WITH WORKS	0.0275
'DIVERSION'	0.0051

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$70,470
CONGESTED HOURS PER DAY*	5

*Delays Exceeding User-Specified Maximum

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

