

IH 894: STH 59 TO HALE INTERCHANGE (MILWAUKEE COUNTY) OFF-PEAK DAY 2 LANE CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	AUGUST
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

SATURDAY 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	1338	0.0	OFF	1338	0	0.00	0	69.1	69.1	69.1	
1-2 AM	781	0.0	OFF	781	0	0.00	0	69.7	69.7	69.7	
2-3 AM	644	0.0	OFF	644	0	0.00	0	69.9	69.9	69.9	
3-4 AM	505	0.0	OFF	505	0	0.00	0	70.1	70.1	70.1	
4-5 AM	663	0.0	OFF	663	0	0.00	0	69.9	69.9	69.9	
5-6 AM	1349	0.0	OFF	1349	0	0.00	0	69.1	69.1	69.1	
6-7 AM	2289	0.0	OFF	2289	0	0.00	0	67.9	67.9	67.9	
7-8 AM	3075	0.0	OFF	3075	0	0.00	0	66.9	66.9	66.9	
8-9 AM	4056	0.0	1499	1550	2506	16.30+	412	63.2	10.7	36.6	
9-10 AM	4737	0.0	1499	1835	2902	14.38+	381	58.5	11.7	35.5	
10-11 AM	5256	0.0	1499	1500	3756	15.60+	399	55.0	10.8	30.8	
11AM-NOON	5427	0.0	1500	1500	3927	15.52+	400	53.8	10.8	30.8	
NOON-1PM	5506	0.0	1500	1500	4006	15.48+	400	53.2	10.8	30.8	
1-2 PM	5315	0.0	1500	1500	3815	15.58+	400	54.5	10.8	30.8	
2-3 PM	5302	0.0	1500	1500	3802	15.58+	400	54.6	10.8	30.8	
3-4 PM	5123	0.0	1500	1500	3623	15.67+	400	55.8	10.8	30.8	
4-5 PM	4977	0.0	1500	1500	3477	15.73+	400	56.9	10.8	30.8	
5-6 PM	4408	0.0	1500	1500	2908	15.97+	400	60.7	10.8	30.8	
6-7 PM	3744	0.0	OFF	3744	0	0.46	32	65.3	57.1	57.1	
7-8 PM	3172	0.0	OFF	3172	0	0.00	0	66.8	66.8	66.8	
8-9 PM	2769	0.0	OFF	2769	0	0.00	0	67.3	67.3	67.3	
9-10 PM	2546	0.0	OFF	2546	0	0.00	0	67.6	67.6	67.6	
10-11 PM	2114	0.0	OFF	2114	0	0.00	0	68.1	68.1	68.1	
11PM-MID	1585	0.0	OFF	1585	0	0.00	0	68.7	68.7	68.7	

"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	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

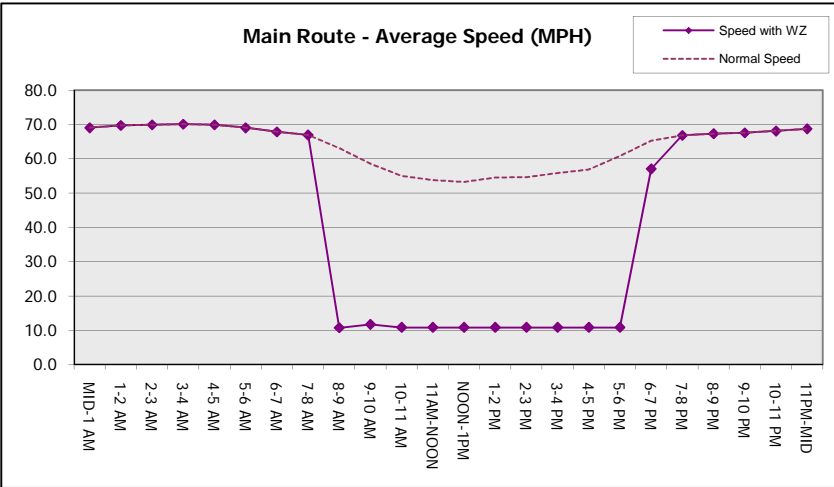
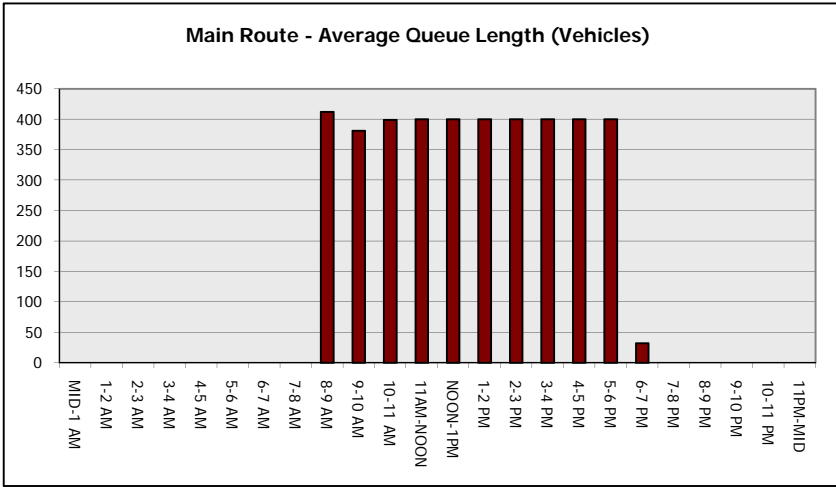
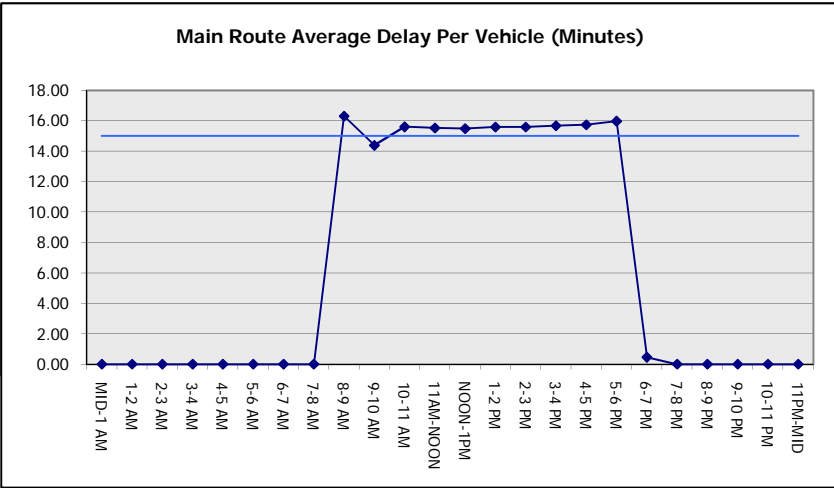
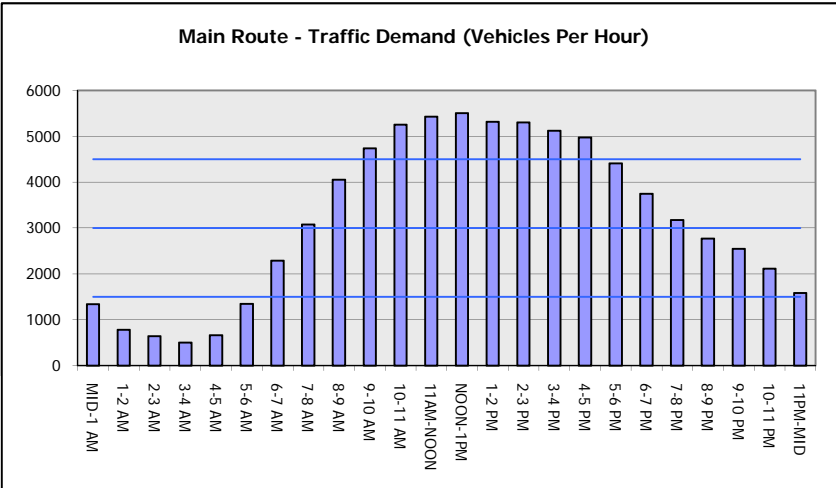
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0427
MAIN ROUTE WITH WORKS	0.0223
'DIVERSION'	0.0448
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$215,109
CONGESTED HOURS PER DAY*	10

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SATURDAY WESTBOUND DIRECTION



IH 894: STH 59 TO HALE INTERCHANGE (MILWAUKEE COUNTY) OFF-PEAK DAY 2 LANE CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	AUGUST
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SUMMARY OF TRAFFIC MODEL OUTPUT

SATURDAY 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	1355	0.0	OFF	1355	0	0.00	0	69.1	69.1	69.1
1-2 AM	720	0.0	OFF	720	0	0.00	0	69.9	69.9	69.9
2-3 AM	617	0.0	OFF	617	0	0.00	0	70.0	70.0	70.0
3-4 AM	485	0.0	OFF	485	0	0.00	0	70.1	70.1	70.1
4-5 AM	655	0.0	OFF	655	0	0.00	0	69.9	69.9	69.9
5-6 AM	1071	0.0	OFF	1071	0	0.00	0	69.4	69.4	69.4
6-7 AM	1470	0.0	OFF	1470	0	0.00	0	68.9	68.9	68.9
7-8 AM	2215	0.0	OFF	2215	0	0.00	0	68.0	68.0	68.0
8-9 AM	2906	0.0	1499	1836	1070	13.63+	340	67.1	12.5	35.1
9-10 AM	3684	0.0	1499	1500	2184	16.23+	399	65.7	10.8	30.8
10-11 AM	4261	0.0	1500	1500	2761	16.02+	400	61.7	10.8	30.8
11AM-NOON	4739	0.0	1500	1500	3239	15.83+	400	58.5	10.8	30.8
NOON-1PM	5090	0.0	1500	1500	3590	15.68+	400	56.1	10.8	30.8
1-2 PM	5110	0.0	1500	1500	3610	15.67+	400	56.0	10.8	30.8
2-3 PM	5238	0.0	1500	1500	3738	15.61+	400	55.1	10.8	30.8
3-4 PM	5167	0.0	1500	1500	3667	15.65+	400	55.6	10.8	30.8
4-5 PM	4905	0.0	1500	1500	3405	15.76+	400	57.3	10.8	30.8
5-6 PM	4542	0.0	1500	1500	3042	15.92+	400	59.8	10.8	30.8
6-7 PM	3956	0.0	OFF	3956	0	0.40	27	63.8	56.9	56.9
7-8 PM	3388	0.0	OFF	3388	0	0.00	0	66.5	66.5	66.5
8-9 PM	3166	0.0	OFF	3166	0	0.00	0	66.8	66.8	66.8
9-10 PM	3100	0.0	OFF	3100	0	0.00	0	66.9	66.9	66.9
10-11 PM	2552	0.0	OFF	2552	0	0.00	0	67.6	67.6	67.6
11PM-MID	1862	0.0	OFF	1862	0	0.00	0	68.4	68.4	68.4

"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	0.0402
MAIN ROUTE WITH WORKS	0.0223
'DIVERSION'	0.0391

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$197,116
CONGESTED HOURS PER DAY*	10

*Delays Exceeding User-Specified Maximum

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SATURDAY EASTBOUND DIRECTION

