

IH 894: STH 59 TO HALE INTERCHANGE (MILWAUKEE COUNTY) OFF-PEAK DAY 2 LANE 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	695	0.0	OFF	695	0	0.00	0	69.9	69.9	69.9
1-2 AM	425	0.0	OFF	425	0	0.00	0	70.2	70.2	70.2
2-3 AM	394	0.0	OFF	394	0	0.00	0	70.2	70.2	70.2
3-4 AM	505	0.0	OFF	505	0	0.00	0	70.1	70.1	70.1
4-5 AM	1070	0.0	OFF	1070	0	0.00	0	69.4	69.4	69.4
5-6 AM	3530	0.0	OFF	3530	0	0.00	0	66.3	66.3	66.3
6-7 AM	5612	0.0	OFF	5612	0	0.00	0	52.5	52.5	52.5
7-8 AM	5119	0.0	OFF	5119	0	0.00	0	55.9	55.9	55.9
8-9 AM	4881	0.0	OFF	4881	0	0.00	0	57.5	57.5	57.5
9-10 AM	4493	0.0	OFF	4493	0	0.00	0	60.2	60.2	60.2
10-11 AM	4370	0.0	1499	1550	2820	16.18+	412	61.0	10.7	36.6
11AM-NOON	4345	0.0	1499	1774	2571	14.39+	379	61.2	11.8	35.6
NOON-1PM	4447	0.0	1499	1500	2947	15.91+	399	60.5	10.8	31.5
1-2 PM	4648	0.0	1500	1500	3148	15.83+	400	59.1	10.8	31.5
2-3 PM	5162	0.0	1499	1500	3662	15.61+	400	55.6	10.8	31.5
3-4 PM	5241	0.0	OFF	5241	0	0.85	69	55.1	45.0	45.0
4-5 PM	5102	0.0	OFF	5102	0	0.00	0	56.0	56.0	56.0
5-6 PM	5099	0.0	OFF	5099	0	0.00	0	56.0	56.0	56.0
6-7 PM	4268	0.0	OFF	4268	0	0.00	0	61.7	61.7	61.7
7-8 PM	3272	0.0	OFF	3272	0	0.00	0	66.7	66.7	66.7
8-9 PM	2807	0.0	OFF	2807	0	0.00	0	67.3	67.3	67.3
9-10 PM	2597	0.0	OFF	2597	0	0.00	0	67.5	67.5	67.5
10-11 PM	1905	0.0	OFF	1905	0	0.00	0	68.4	68.4	68.4
11PM-MID	1100	0.0	OFF	1100	0	0.00	0	69.4	69.4	69.4

"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

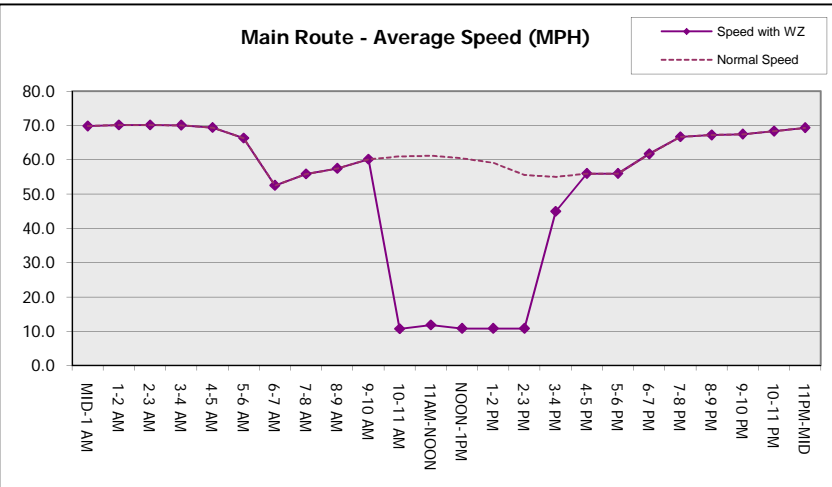
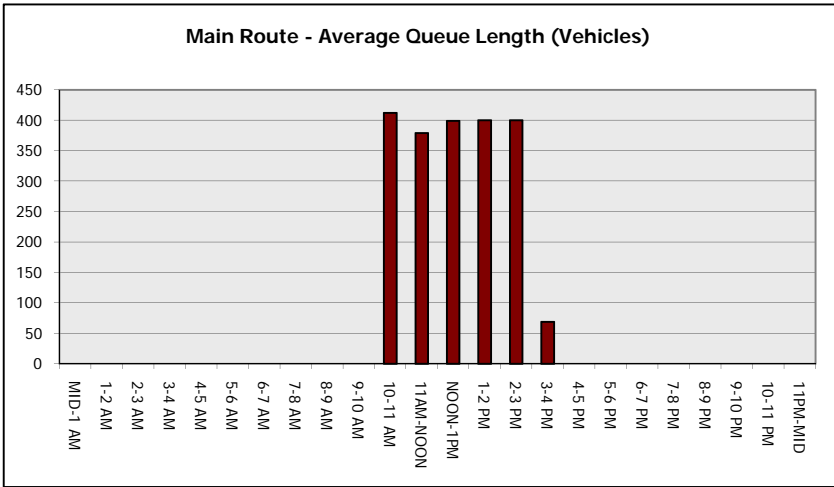
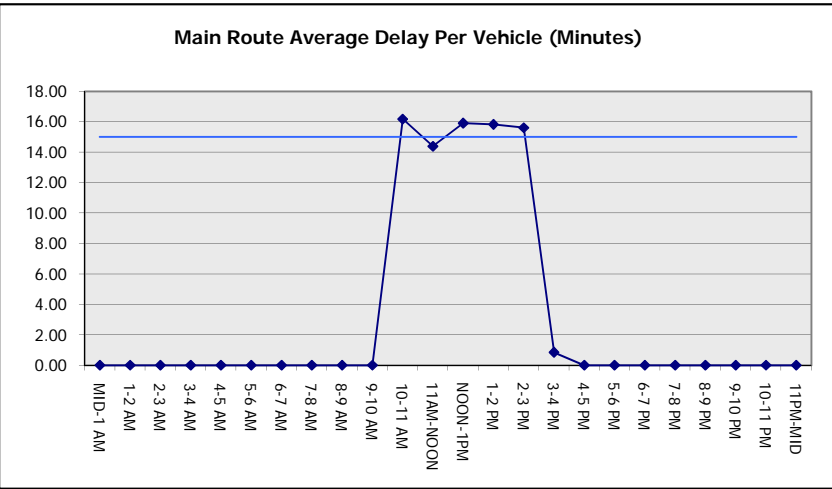
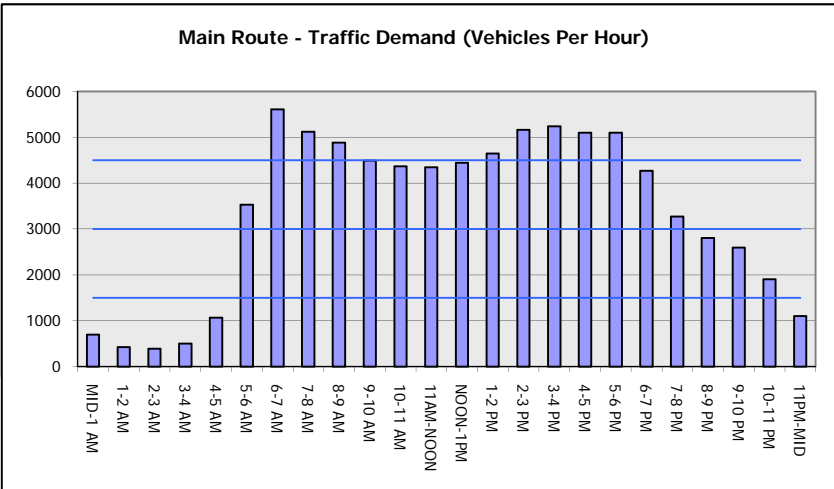
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0451
MAIN ROUTE WITH WORKS	0.0362
'DIVERSION'	0.0195
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$62,307
CONGESTED HOURS PER DAY*	5

*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	675	0.0	OFF	675	0	0.00	0	69.9	69.9	69.9
1-2 AM	444	0.0	OFF	444	0	0.00	0	70.2	70.2	70.2
2-3 AM	376	0.0	OFF	376	0	0.00	0	70.2	70.2	70.2
3-4 AM	489	0.0	OFF	489	0	0.00	0	70.1	70.1	70.1
4-5 AM	922	0.0	OFF	922	0	0.00	0	69.6	69.6	69.6
5-6 AM	2078	0.0	OFF	2078	0	0.00	0	68.1	68.1	68.1
6-7 AM	3883	0.0	OFF	3883	0	0.00	0	64.3	64.3	64.3
7-8 AM	4579	0.0	OFF	4579	0	0.00	0	59.6	59.6	59.6
8-9 AM	4222	0.0	OFF	4222	0	0.00	0	62.0	62.0	62.0
9-10 AM	3743	0.0	OFF	3743	0	0.00	0	65.3	65.3	65.3
10-11 AM	3816	0.0	1499	1550	2266	16.38+	412	64.8	10.7	36.6
11AM-NOON	4206	0.0	1499	1750	2456	14.38+	379	62.1	11.8	35.6
NOON-1PM	4447	0.0	1499	1500	2947	15.82+	399	60.5	10.9	33.1
1-2 PM	4647	0.0	1500	1500	3147	15.74+	400	59.1	10.9	33.1
2-3 PM	5678	0.0	1500	1500	4178	15.26+	400	52.0	10.9	33.1
3-4 PM	6349	0.0	OFF	6349	0	4.54	474	47.5	23.4	23.4
4-5 PM	6402	0.0	OFF	6402	0	8.26	850	47.1	16.5	16.5
5-6 PM	6277	0.0	OFF	6277	0	11.73	1189	48.0	13.0	13.0
6-7 PM	4985	0.0	OFF	4985	0	8.72	821	56.8	16.9	16.9
7-8 PM	3710	0.0	OFF	3710	0	0.32	21	65.5	59.5	59.5
8-9 PM	3239	0.0	OFF	3239	0	0.00	0	66.7	66.7	66.7
9-10 PM	2770	0.0	OFF	2770	0	0.00	0	67.3	67.3	67.3
10-11 PM	1949	0.0	OFF	1949	0	0.00	0	68.3	68.3	68.3
11PM-MID	1397	0.0	OFF	1397	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	0.0453
MAIN ROUTE WITH WORKS	0.0364
'DIVERSION'	0.0193

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$95,047
CONGESTED HOURS PER DAY*	5

*Delays Exceeding User-Specified Maximum

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MON-THUR EASTBOUND DIRECTION

