

IH 894: STH 59 TO HALE INTERCHANGE (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	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	2999	3744	625	10.04+	596	61.0	16.4	37.3	
11AM-NOON	4345	0.0	3000	3086	1260	15.72+	845	61.2	12.2	37.3	
NOON-1PM	4447	0.0	3000	3019	1428	15.74+	848	60.5	12.2	37.3	
1-2 PM	4648	0.0	3000	3004	1644	15.78+	855	59.1	12.2	37.3	
2-3 PM	5162	0.0	3000	3000	2162	15.55+	857	55.6	12.2	37.3	
3-4 PM	5241	0.0	OFF	5241	0	5.13	473	55.1	23.5	23.5	
4-5 PM	5102	0.0	OFF	5102	0	0.09	4	56.0	54.6	54.6	
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

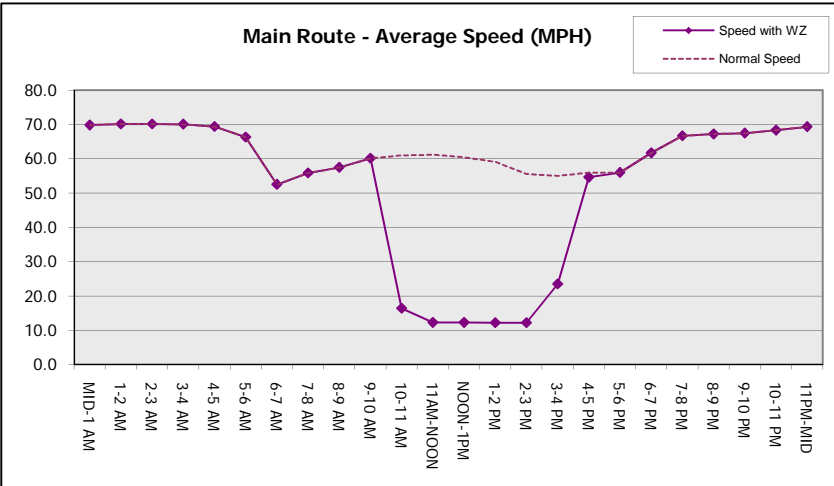
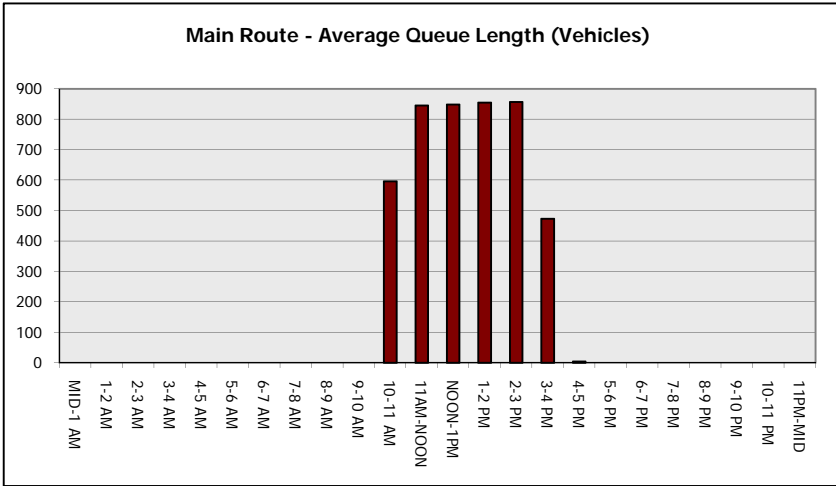
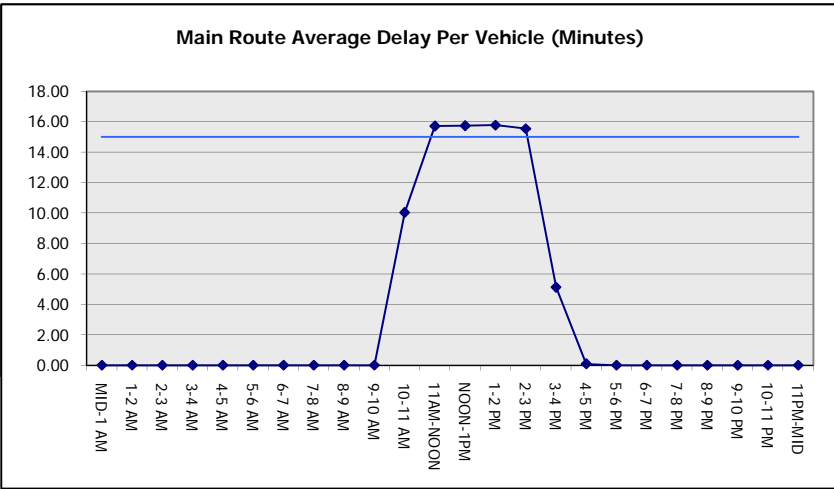
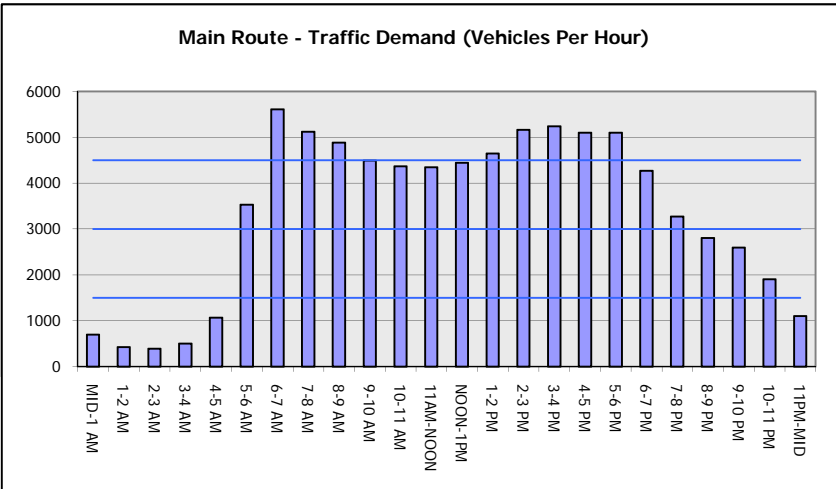
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0451
MAIN ROUTE WITH WORKS	0.0401
'DIVERSION'	0.0092
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$51,605
CONGESTED HOURS PER DAY*	5

*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	2999	3816	0	6.50	393	64.8	21.7	37.3
11AM-NOON	4206	0.0	2999	3023	1183	15.69+	840	62.1	12.2	37.3
NOON-1PM	4447	0.0	3000	3011	1436	15.75+	849	60.5	12.2	37.3
1-2 PM	4647	0.0	3000	3001	1646	15.75+	854	59.1	12.2	37.3
2-3 PM	5678	0.0	3000	3000	2678	15.25+	857	52.0	12.2	37.3
3-4 PM	6349	0.0	OFF	6349	0	10.05	1025	47.5	14.5	14.5
4-5 PM	6402	0.0	OFF	6402	0	13.77	1401	47.1	11.5	11.5
5-6 PM	6277	0.0	OFF	6277	0	17.24	1740	48.0	9.7	9.7
6-7 PM	4985	0.0	OFF	4985	0	14.24	1372	56.8	11.7	11.7
7-8 PM	3710	0.0	OFF	3710	0	1.95	163	65.5	40.7	40.7
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	0.0403
'DIVERSION'	0.0090

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$93,653
CONGESTED HOURS PER DAY*	4

*Delays Exceeding User-Specified Maximum

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

