

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

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	982	0.0	OFF	982	0	0.00	0	69.5	69.5	69.5
1-2 AM	631	0.0	OFF	631	0	0.00	0	69.9	69.9	69.9
2-3 AM	580	0.0	OFF	580	0	0.00	0	70.0	70.0	70.0
3-4 AM	617	0.0	OFF	617	0	0.00	0	70.0	70.0	70.0
4-5 AM	1212	0.0	OFF	1212	0	0.00	0	69.2	69.2	69.2
5-6 AM	3567	0.0	OFF	3567	0	0.00	0	66.3	66.3	66.3
6-7 AM	5659	0.0	OFF	5659	0	0.00	0	52.2	52.2	52.2
7-8 AM	5295	0.0	OFF	5295	0	0.00	0	54.7	54.7	54.7
8-9 AM	5215	0.0	OFF	5215	0	0.00	0	55.2	55.2	55.2
9-10 AM	5147	0.0	OFF	5147	0	0.00	0	55.7	55.7	55.7
10-11 AM	5170	0.0	1499	1550	3620	15.84+	412	55.5	10.7	36.6
11AM-NOON	5070	0.0	1499	1902	3168	14.41+	383	56.2	11.6	35.3
NOON-1PM	5285	0.0	1499	1500	3785	15.59+	399	54.8	10.8	30.8
1-2 PM	5038	0.0	1500	1500	3538	15.71+	400	56.4	10.8	30.8
2-3 PM	5066	0.0	1500	1500	3566	15.69+	400	56.3	10.8	30.8
3-4 PM	4975	0.0	OFF	4975	0	1.21	99	56.9	42.8	42.8
4-5 PM	5044	0.0	OFF	5044	0	0.00	0	56.4	56.4	56.4
5-6 PM	5145	0.0	OFF	5145	0	0.00	0	55.7	55.7	55.7
6-7 PM	5362	0.0	OFF	5362	0	0.00	0	54.2	54.2	54.2
7-8 PM	4184	0.0	OFF	4184	0	0.00	0	62.3	62.3	62.3
8-9 PM	3421	0.0	OFF	3421	0	0.00	0	66.5	66.5	66.5
9-10 PM	3101	0.0	OFF	3101	0	0.00	0	66.9	66.9	66.9
10-11 PM	2397	0.0	OFF	2397	0	0.00	0	67.8	67.8	67.8
11PM-MID	1726	0.0	OFF	1726	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

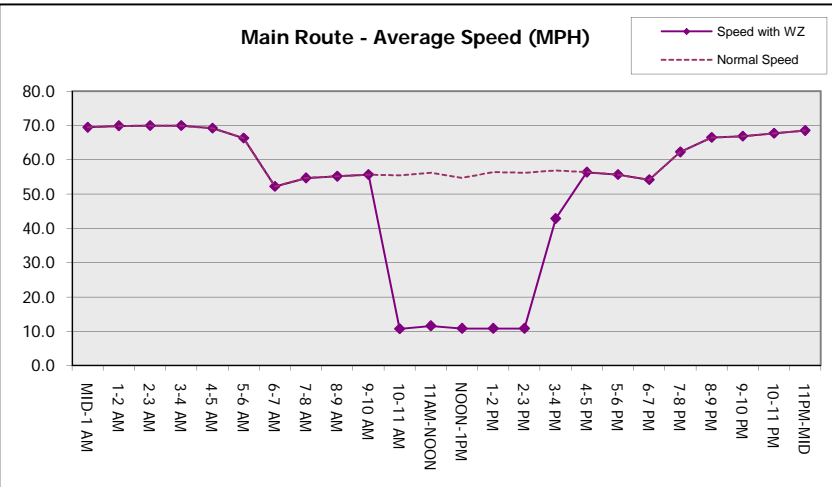
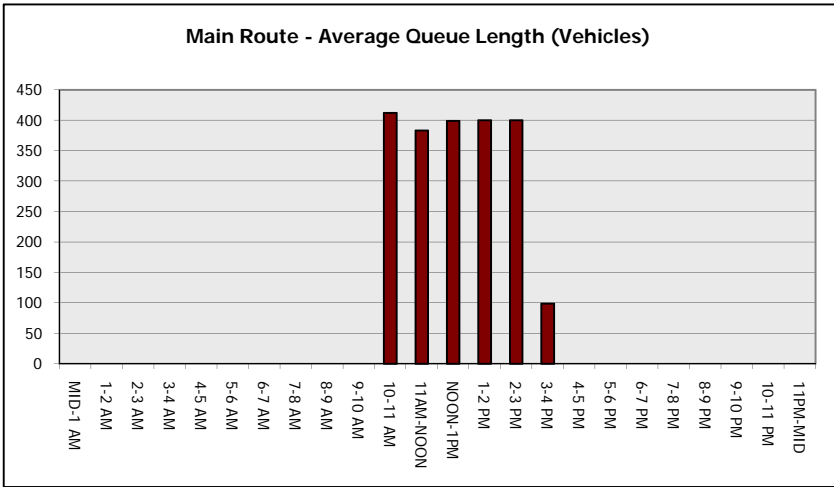
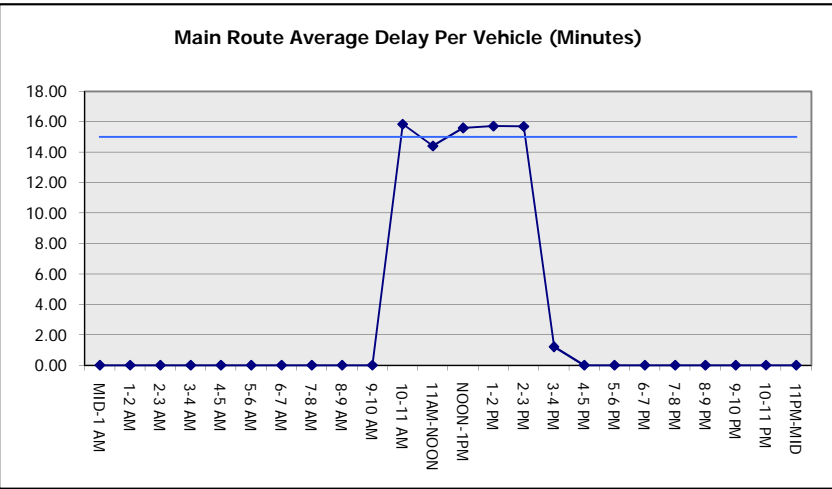
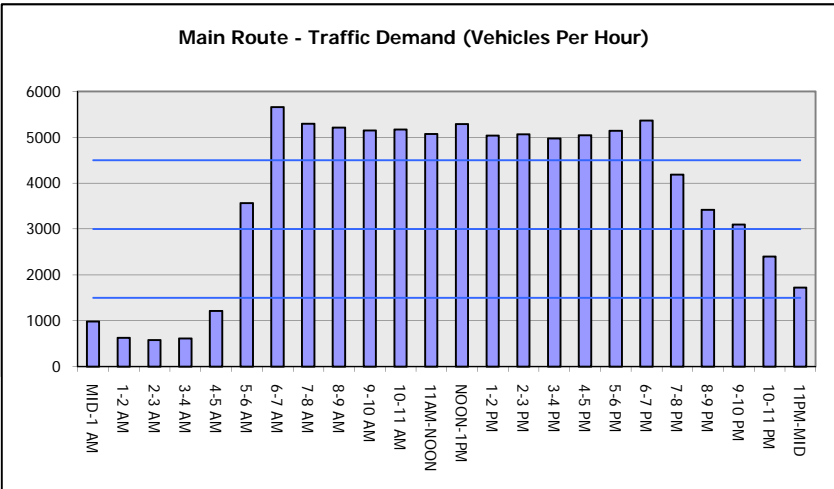
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0500
MAIN ROUTE WITH WORKS	0.0397
'DIVERSION'	0.0228
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$70,242
CONGESTED HOURS PER DAY*	5

*Delays Exceeding User-Specified Maximum

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

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY WESTBOUND DIRECTION



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

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	865	0.0	OFF	865	0	0.00	0	69.7	69.7	69.7
1-2 AM	592	0.0	OFF	592	0	0.00	0	70.0	70.0	70.0
2-3 AM	507	0.0	OFF	507	0	0.00	0	70.1	70.1	70.1
3-4 AM	556	0.0	OFF	556	0	0.00	0	70.0	70.0	70.0
4-5 AM	1016	0.0	OFF	1016	0	0.00	0	69.5	69.5	69.5
5-6 AM	1979	0.0	OFF	1979	0	0.00	0	68.2	68.2	68.2
6-7 AM	3425	0.0	OFF	3425	0	0.00	0	66.5	66.5	66.5
7-8 AM	4369	0.0	OFF	4369	0	0.00	0	61.0	61.0	61.0
8-9 AM	4087	0.0	OFF	4087	0	0.00	0	62.9	62.9	62.9
9-10 AM	4060	0.0	OFF	4060	0	0.00	0	63.1	63.1	63.1
10-11 AM	4339	0.0	1499	1550	2789	16.19+	412	61.2	10.7	36.6
11AM-NOON	4819	0.0	1499	1851	2968	14.39+	381	57.9	11.7	35.5
NOON-1PM	5320	0.0	1499	1500	3820	15.57+	399	54.5	10.8	30.8
1-2 PM	5459	0.0	1500	1500	3959	15.51+	400	53.6	10.8	30.8
2-3 PM	6128	0.0	1500	1500	4628	15.14+	400	49.0	10.8	30.8
3-4 PM	6476	0.0	OFF	6476	0	6.10	638	46.6	19.8	19.8
4-5 PM	6399	0.0	OFF	6399	0	10.52	1076	47.1	14.0	14.0
5-6 PM	5958	0.0	OFF	5958	0	12.57	1254	50.2	12.5	12.5
6-7 PM	5006	0.0	OFF	5006	0	7.87	736	56.6	18.1	18.1
7-8 PM	3967	0.0	OFF	3967	0	0.23	14	63.8	59.6	59.6
8-9 PM	3366	0.0	OFF	3366	0	0.00	0	66.6	66.6	66.6
9-10 PM	3442	0.0	OFF	3442	0	0.00	0	66.4	66.4	66.4
10-11 PM	2911	0.0	OFF	2911	0	0.00	0	67.1	67.1	67.1
11PM-MID	2180	0.0	OFF	2180	0	0.00	0	68.0	68.0	68.0

"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	0.0486
MAIN ROUTE WITH WORKS	0.0379
'DIVERSION'	0.0234

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$108,666
CONGESTED HOURS PER DAY*	5

*Delays Exceeding User-Specified Maximum

**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

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY EASTBOUND DIRECTION

