

<b>IH 894: STH 59 TO HALE INTERCHANGE (MILWAUKEE COUNTY)</b> <b>NIGHTTIME 2 LANE CLOSURE</b> <b>NO DIVERSION ROUTE (MAX QUEUE METHOD)</b>	<b>AUGUST</b>
	Analyzed for 2009 Construction Season

**SUMMARY OF TRAFFIC MODEL OUTPUT**

SUNDAY 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	1143	0.0	1500	1143	0	0.95	10	69.3	52.7	39.4	
1-2 AM	700	0.0	1500	700	0	0.55	0	69.9	59.0	42.8	
2-3 AM	498	0.0	1500	498	0	0.53	0	70.1	59.5	43.5	
3-4 AM	323	0.0	1500	323	0	0.51	0	70.2	59.9	44.2	
4-5 AM	345	0.0	1500	345	0	0.51	0	70.2	59.9	44.1	
5-6 AM	651	0.0	1500	651	0	0.55	0	69.9	59.1	42.9	
6-7 AM	1164	0.0	1499	1164	0	0.69	0	69.3	56.4	38.9	
7-8 AM	1480	0.0	1499	1480	0	1.44	13	68.9	46.8	32.5	
8-9 AM	2209	0.0	1500	1760	449	10.67+	287	68.0	15.2	31.3	
9-10 AM	3251	0.0	OFF	3251	0	0.20	18	66.7	62.7	62.7	
10-11 AM	4306	0.0	OFF	4306	0	0.00	0	61.4	61.4	61.4	
11AM-NOON	4572	0.0	OFF	4572	0	0.00	0	59.6	59.6	59.6	
NOON-1PM	4774	0.0	OFF	4774	0	0.00	0	58.2	58.2	58.2	
1-2 PM	4794	0.0	OFF	4794	0	0.00	0	58.1	58.1	58.1	
2-3 PM	4689	0.0	OFF	4689	0	0.00	0	58.8	58.8	58.8	
3-4 PM	4541	0.0	OFF	4541	0	0.00	0	59.9	59.9	59.9	
4-5 PM	4487	0.0	OFF	4487	0	0.00	0	60.2	60.2	60.2	
5-6 PM	4097	0.0	OFF	4097	0	0.00	0	62.8	62.8	62.8	
6-7 PM	3848	0.0	OFF	3848	0	0.00	0	64.6	64.6	64.6	
7-8 PM	3327	0.0	1499	1550	1777	16.47+	412	66.6	10.7	36.6	
8-9 PM	2911	0.0	1499	1595	1316	14.34+	379	67.1	12.0	36.0	
9-10 PM	2404	0.0	1499	1700	704	14.46+	366	67.8	11.9	33.4	
10-11 PM	1860	0.0	1499	1562	298	16.07+	392	68.4	11.0	30.8	
11PM-MID	1171	0.0	1499	1171	0	10.11	265	69.3	16.0	32.9	

"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

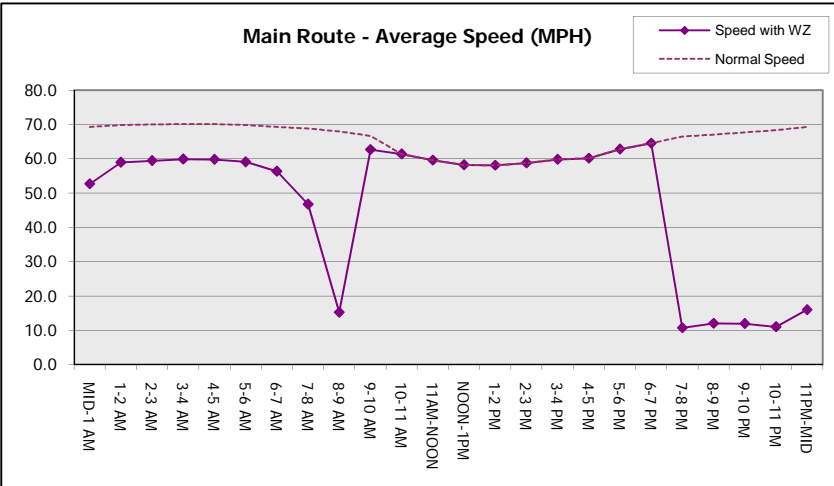
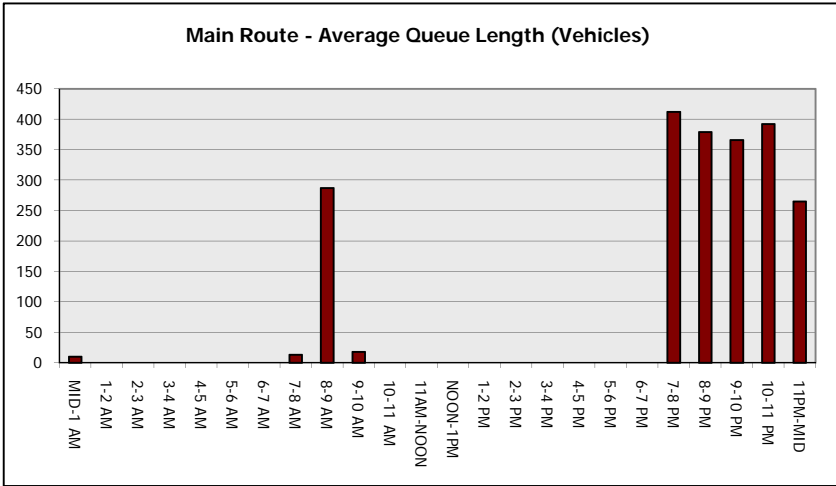
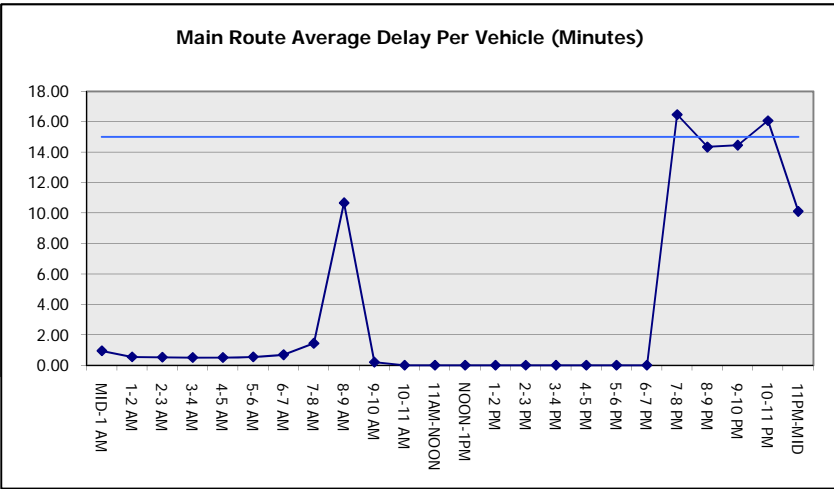
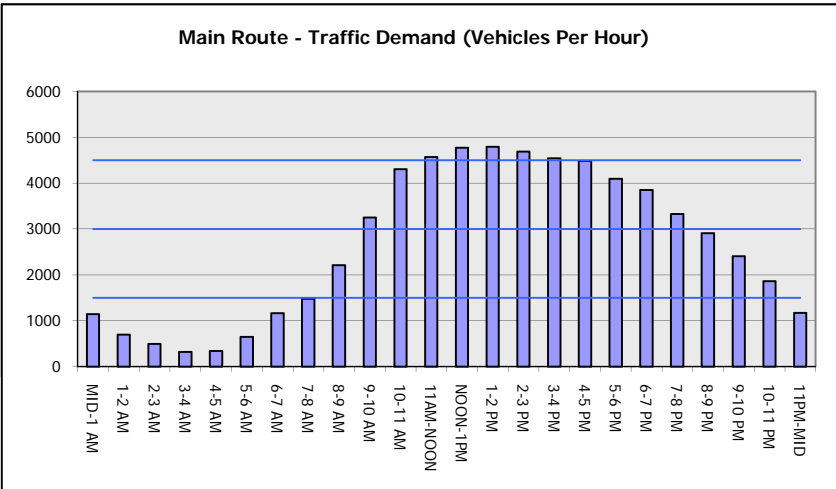
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0354
MAIN ROUTE WITH WORKS	0.0318
'DIVERSION'	0.0059
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$51,829
CONGESTED HOURS PER DAY*	5

\*Delays Exceeding User-Specified Maximum

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**NIGHTTIME 2 LANE CLOSURE**  
**NO DIVERSION ROUTE (MAX QUEUE METHOD)**

**AUGUST**  
 Analyzed for 2009  
 Construction Season

**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**SUNDAY WESTBOUND DIRECTION**



<b>IH 894: STH 59 TO HALE INTERCHANGE (MILWAUKEE COUNTY)</b> <b>NIGHTTIME 2 LANE CLOSURE</b> <b>NO DIVERSION ROUTE (MAX QUEUE METHOD)</b>	<b>AUGUST</b>
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**SUMMARY OF TRAFFIC MODEL OUTPUT**

SUNDAY 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	1269	0.0	1500	1269	0	0.80	0	69.2	54.8	36.3
1-2 AM	787	0.0	1500	787	0	0.56	0	69.7	58.7	42.4
2-3 AM	624	0.0	1500	624	0	0.55	0	70.0	59.2	43.0
3-4 AM	375	0.0	1500	375	0	0.52	0	70.2	59.8	44.0
4-5 AM	427	0.0	1500	427	0	0.52	0	70.2	59.7	43.8
5-6 AM	673	0.0	1500	673	0	0.55	0	69.9	59.1	42.8
6-7 AM	931	0.0	1500	931	0	0.58	0	69.6	58.4	41.9
7-8 AM	1342	0.0	1499	1342	0	0.89	0	69.1	53.5	34.7
8-9 AM	1891	0.0	1499	1891	0	5.36	150	68.4	24.9	30.8
9-10 AM	2776	0.0	OFF	2776	0	0.26	23	67.3	62.1	62.1
10-11 AM	3705	0.0	OFF	3705	0	0.00	0	65.5	65.5	65.5
11AM-NOON	4520	0.0	OFF	4520	0	0.00	0	60.0	60.0	60.0
NOON-1PM	5104	0.0	OFF	5104	0	0.00	0	56.0	56.0	56.0
1-2 PM	5212	0.0	OFF	5212	0	0.00	0	55.3	55.3	55.3
2-3 PM	5558	0.0	OFF	5558	0	0.00	0	52.9	52.9	52.9
3-4 PM	5601	0.0	OFF	5601	0	0.00	0	52.6	52.6	52.6
4-5 PM	5611	0.0	OFF	5611	0	0.00	0	52.5	52.5	52.5
5-6 PM	5321	0.0	OFF	5321	0	0.00	0	54.5	54.5	54.5
6-7 PM	4565	0.0	OFF	4565	0	0.00	0	59.7	59.7	59.7
7-8 PM	3783	0.0	1499	1550	2233	16.39+	412	65.0	10.7	36.6
8-9 PM	3305	0.0	1499	1637	1668	14.36+	378	66.6	12.0	35.8
9-10 PM	2545	0.0	1499	1770	775	15.48+	383	67.6	11.3	30.8
10-11 PM	1706	0.0	1499	1431	275	16.09+	392	68.6	10.9	30.8
11PM-MID	1110	0.0	1499	1110	0	7.10	206	69.4	20.7	34.3

"OFF" INDICATES NO ROAD WORK (ALL LANES OPEN TO TRAFFIC)

+ INDICATES QUEUEING EXCEEDS USER-SPECIFIED MAXIMUM LIMIT

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

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

MAIN ROUTE WITHOUT WORKS	0.0383
MAIN ROUTE WITH WORKS	0.0345
'DIVERSION'	0.0064

PIA: Personal Injury Accidents

ROAD USER COSTS PER DAY	\$50,998
CONGESTED HOURS PER DAY*	4

\*Delays Exceeding User-Specified Maximum

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**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**SUNDAY EASTBOUND DIRECTION**

