

<b>IH 43/894: HALE INTERCHANGE TO STH 27 (MILWAUKEE COUNTY)                  NIGHTTIME 2 LANE CLOSURE                  NO DIVERSION ROUTE (MAX QUEUE METHOD)</b>	<b>OCTOBER</b>
	Analyzed for 2009 Construction Season

**SUMMARY OF TRAFFIC MODEL OUTPUT**

FRIDAY      SOUTHBOUND 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	862	0.0	1499	862	0	2.49	90	69.7	41.6	40.1
1-2 AM	540	0.0	1500	540	0	0.54	0	70.0	61.1	43.3
2-3 AM	525	0.0	1500	525	0	0.54	0	70.1	61.2	43.4
3-4 AM	580	0.0	1500	580	0	0.54	0	70.0	61.0	43.2
4-5 AM	987	0.0	1499	987	0	0.65	0	69.5	59.1	40.1
5-6 AM	2516	0.0	OFF	2516	0	0.00	0	67.6	67.6	67.6
6-7 AM	4286	0.0	OFF	4286	0	0.00	0	61.5	61.5	61.5
7-8 AM	4643	0.0	OFF	4643	0	0.00	0	59.1	59.1	59.1
8-9 AM	4066	0.0	OFF	4066	0	0.00	0	63.1	63.1	63.1
9-10 AM	3739	0.0	OFF	3739	0	0.00	0	65.3	65.3	65.3
10-11 AM	4024	0.0	OFF	4024	0	0.00	0	63.3	63.3	63.3
11AM-NOON	4345	0.0	OFF	4345	0	0.00	0	61.2	61.2	61.2
NOON-1PM	4553	0.0	OFF	4553	0	0.00	0	59.7	59.7	59.7
1-2 PM	4874	0.0	OFF	4874	0	0.00	0	57.6	57.6	57.6
2-3 PM	5417	0.0	OFF	5417	0	0.00	0	53.8	53.8	53.8
3-4 PM	5638	0.0	OFF	5638	0	0.00	0	52.4	52.4	52.4
4-5 PM	5732	0.0	OFF	5732	0	0.00	0	51.7	51.7	51.7
5-6 PM	5456	0.0	OFF	5456	0	0.00	0	53.6	53.6	53.6
6-7 PM	4726	0.0	OFF	4726	0	0.00	0	58.6	58.6	58.6
7-8 PM	3494	0.0	1499	1550	1944	16.44+	412	66.4	12.7	36.6
8-9 PM	2772	0.0	1499	1581	1191	14.40+	380	67.3	14.2	36.0
9-10 PM	2688	0.0	1499	1754	934	14.61+	370	67.4	14.0	33.5
10-11 PM	2042	0.0	1499	1500	542	16.34+	399	68.2	12.8	30.8
11PM-MID	1494	0.0	1500	1423	71	15.29+	373	68.9	13.5	30.8

"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	0.0547
MAIN ROUTE WITH WORKS	0.0508
'DIVERSION'	0.0074
<small>PIA: Personal Injury Accidents</small>	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$45,885
CONGESTED HOURS PER DAY*	5

\*Delays Exceeding User-Specified Maximum

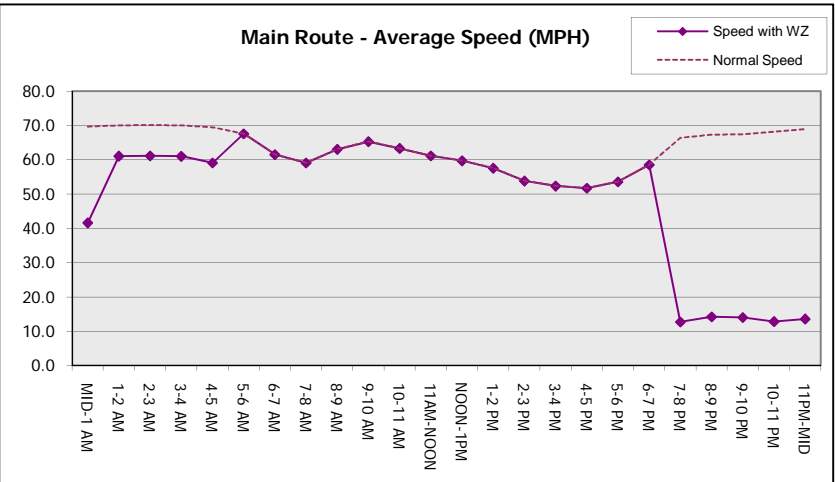
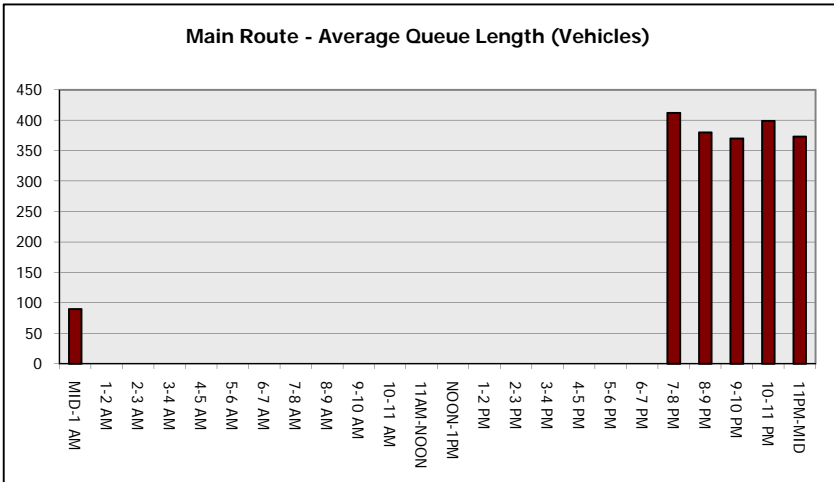
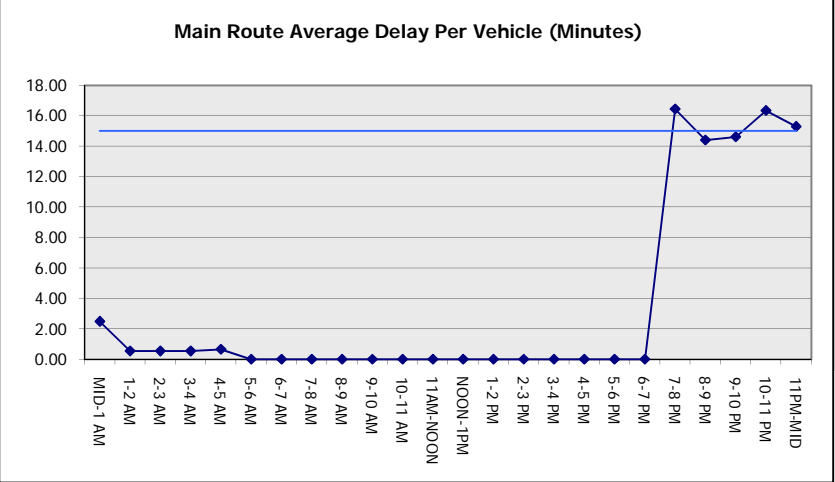
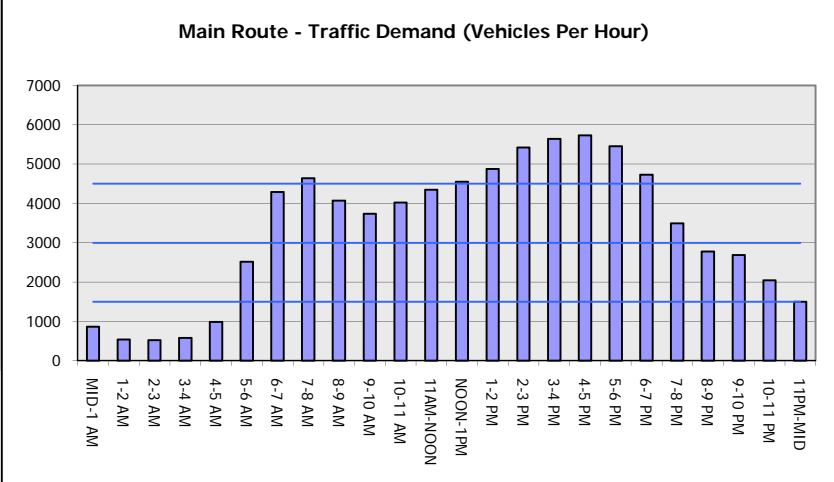
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 NIGHTTIME 2 LANE CLOSURE  
 NO DIVERSION ROUTE (MAX QUEUE METHOD)**

**OCTOBER**

Analyzed for 2009  
 Construction Season

**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**

**FRIDAY SOUTHBOUND DIRECTION**



<b>IH 43/894: HALE INTERCHANGE TO STH 27 (MILWAUKEE COUNTY)</b> <b>NIGHTTIME 2 LANE CLOSURE</b> <b>NO DIVERSION ROUTE (MAX QUEUE METHOD)</b>	<b>OCTOBER</b>
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**SUMMARY OF TRAFFIC MODEL OUTPUT**

FRIDAY NORTHBOUND 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	646	0.0	1500	646	0	1.59	52	69.9	48.9	42.7
1-2 AM	428	0.0	1500	428	0	0.52	0	70.2	61.4	43.8
2-3 AM	442	0.0	1500	442	0	0.53	0	70.2	61.4	43.7
3-4 AM	568	0.0	1500	568	0	0.54	0	70.0	61.0	43.2
4-5 AM	1040	0.0	1499	1040	0	0.68	0	69.4	58.7	39.3
5-6 AM	2441	0.0	OFF	2441	0	0.00	0	67.7	67.7	67.7
6-7 AM	4760	0.0	OFF	4760	0	0.00	0	58.3	58.3	58.3
7-8 AM	5386	0.0	OFF	5386	0	0.00	0	54.1	54.1	54.1
8-9 AM	4381	0.0	OFF	4381	0	0.00	0	60.9	60.9	60.9
9-10 AM	3735	0.0	OFF	3735	0	0.00	0	65.3	65.3	65.3
10-11 AM	3746	0.0	OFF	3746	0	0.00	0	65.3	65.3	65.3
11AM-NOON	3897	0.0	OFF	3897	0	0.00	0	64.2	64.2	64.2
NOON-1PM	4286	0.0	OFF	4286	0	0.00	0	61.5	61.5	61.5
1-2 PM	4453	0.0	OFF	4453	0	0.00	0	60.4	60.4	60.4
2-3 PM	4926	0.0	OFF	4926	0	0.00	0	57.2	57.2	57.2
3-4 PM	5403	0.0	OFF	5403	0	0.00	0	54.0	54.0	54.0
4-5 PM	5582	0.0	OFF	5582	0	0.00	0	52.7	52.7	52.7
5-6 PM	5569	0.0	OFF	5569	0	0.00	0	52.8	52.8	52.8
6-7 PM	4540	0.0	OFF	4540	0	0.00	0	59.9	59.9	59.9
7-8 PM	3464	0.0	1499	1550	1914	16.44+	412	66.4	12.7	36.6
8-9 PM	2840	0.0	1499	1588	1252	14.40+	380	67.2	14.2	36.0
9-10 PM	2613	0.0	1499	1746	867	14.63+	369	67.5	14.0	33.2
10-11 PM	2007	0.0	1499	1500	507	16.34+	399	68.2	12.8	30.8
11PM-MID	1457	0.0	1500	1393	63	14.92+	365	68.9	13.8	30.8

"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	0.0538
MAIN ROUTE WITH WORKS	0.0499
'DIVERSION'	0.0073

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$45,088
CONGESTED HOURS PER DAY*	5

\*Delays Exceeding User-Specified Maximum

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**FRIDAY NORTHBOUND DIRECTION**

