

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

**SUMMARY OF TRAFFIC MODEL OUTPUT**

MON-THUR                  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	631	0.0	OFF	631	0	0.00	0	69.9	69.9	69.9	
1-2 AM	396	0.0	OFF	396	0	0.00	0	70.2	70.2	70.2	
2-3 AM	366	0.0	OFF	366	0	0.00	0	70.2	70.2	70.2	
3-4 AM	455	0.0	OFF	455	0	0.00	0	70.2	70.2	70.2	
4-5 AM	843	0.0	OFF	843	0	0.00	0	69.7	69.7	69.7	
5-6 AM	2338	0.0	OFF	2338	0	0.00	0	67.8	67.8	67.8	
6-7 AM	4192	0.0	OFF	4192	0	0.00	0	62.2	62.2	62.2	
7-8 AM	4389	0.0	OFF	4389	0	0.00	0	60.9	60.9	60.9	
8-9 AM	3809	0.0	OFF	3809	0	0.00	0	64.8	64.8	64.8	
9-10 AM	3292	0.0	OFF	3292	0	0.00	0	66.6	66.6	66.6	
10-11 AM	3336	0.0	1499	1550	1786	16.45+	412	66.6	12.7	36.6	
11AM-NOON	3368	0.0	1499	1639	1729	14.41+	379	66.6	14.1	35.9	
NOON-1PM	3489	0.0	1499	1676	1813	15.75+	388	66.4	13.2	30.8	
1-2 PM	3698	0.0	1500	1500	2198	16.19+	400	65.6	12.8	30.8	
2-3 PM	4457	0.0	1500	1500	2957	15.85+	400	60.4	12.8	30.8	
3-4 PM	5109	0.0	OFF	5109	0	0.96	74	56.0	46.3	46.3	
4-5 PM	5091	0.0	OFF	5091	0	0.00	0	56.1	56.1	56.1	
5-6 PM	5002	0.0	OFF	5002	0	0.00	0	56.7	56.7	56.7	
6-7 PM	3651	0.0	OFF	3651	0	0.00	0	65.9	65.9	65.9	
7-8 PM	2668	0.0	OFF	2668	0	0.00	0	67.4	67.4	67.4	
8-9 PM	2239	0.0	OFF	2239	0	0.00	0	67.9	67.9	67.9	
9-10 PM	2124	0.0	OFF	2124	0	0.00	0	68.1	68.1	68.1	
10-11 PM	1547	0.0	OFF	1547	0	0.00	0	68.8	68.8	68.8	
11PM-MID	993	0.0	OFF	993	0	0.00	0	69.5	69.5	69.5	

"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	0.0462
MAIN ROUTE WITH WORKS	0.0385
'DIVERSION'	0.0166
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$63,630
CONGESTED HOURS PER DAY*	5

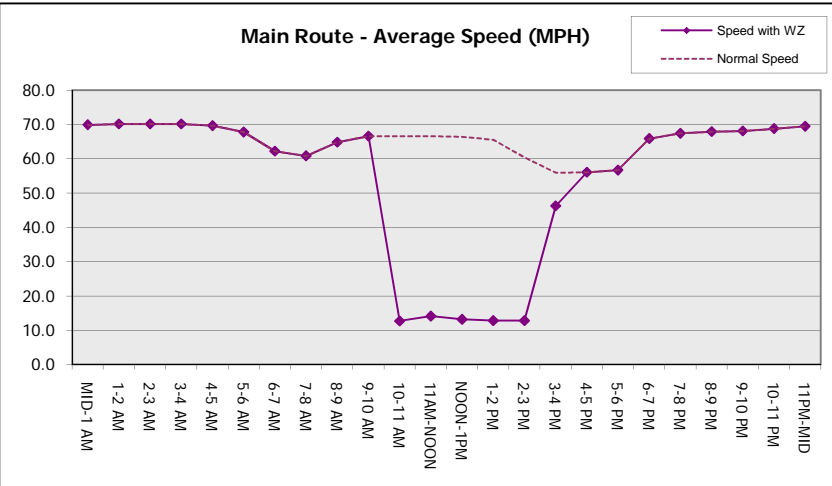
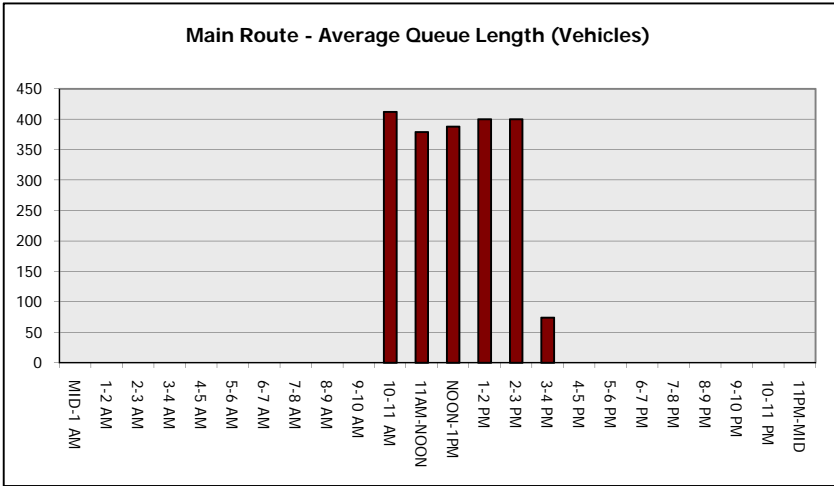
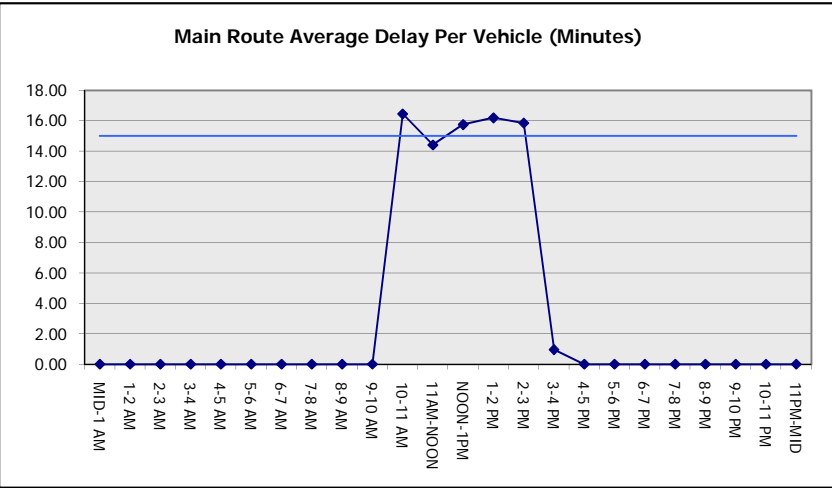
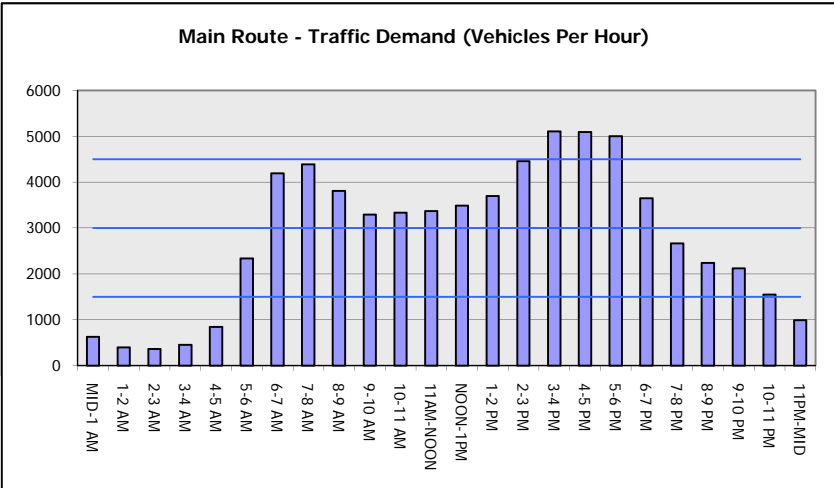
\*Delays Exceeding User-Specified Maximum

**IH 43/894: HALE INTERCHANGE TO STH 27 (MILWAUKEE COUNTY)**  
**OFF-PEAK DAY 2 LANE CLOSURE**  
**NO DIVERSION ROUTE (MAX QUEUE METHOD)**

**MAY**  
 Analyzed for 2009  
 Construction Season

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

**MON-THUR SOUTHBOUND DIRECTION**



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

**SUMMARY OF TRAFFIC MODEL OUTPUT**

MON-THUR                      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	519	0.0	OFF	519	0	0.00	0	70.1	70.1	70.1
1-2 AM	348	0.0	OFF	348	0	0.00	0	70.2	70.2	70.2
2-3 AM	335	0.0	OFF	335	0	0.00	0	70.2	70.2	70.2
3-4 AM	476	0.0	OFF	476	0	0.00	0	70.1	70.1	70.1
4-5 AM	996	0.0	OFF	996	0	0.00	0	69.5	69.5	69.5
5-6 AM	2602	0.0	OFF	2602	0	0.00	0	67.5	67.5	67.5
6-7 AM	4742	0.0	OFF	4742	0	0.00	0	58.4	58.4	58.4
7-8 AM	5378	0.0	OFF	5378	0	0.00	0	54.1	54.1	54.1
8-9 AM	4293	0.0	OFF	4293	0	0.00	0	61.5	61.5	61.5
9-10 AM	3395	0.0	OFF	3395	0	0.00	0	66.5	66.5	66.5
10-11 AM	3217	0.0	1499	1550	1667	16.46+	412	66.8	12.7	36.6
11AM-NOON	3371	0.0	1499	1639	1733	14.42+	379	66.6	14.1	35.9
NOON-1PM	3557	0.0	1499	1670	1887	15.76+	389	66.3	13.1	30.8
1-2 PM	3748	0.0	1500	1500	2248	16.17+	399	65.3	12.8	30.8
2-3 PM	4305	0.0	1499	1500	2805	15.92+	400	61.4	12.8	30.8
3-4 PM	4686	0.0	OFF	4686	0	0.68	48	58.9	50.9	50.9
4-5 PM	5020	0.0	OFF	5020	0	0.00	0	56.6	56.6	56.6
5-6 PM	5241	0.0	OFF	5241	0	0.00	0	55.1	55.1	55.1
6-7 PM	3891	0.0	OFF	3891	0	0.00	0	64.3	64.3	64.3
7-8 PM	2902	0.0	OFF	2902	0	0.00	0	67.1	67.1	67.1
8-9 PM	2588	0.0	OFF	2588	0	0.00	0	67.5	67.5	67.5
9-10 PM	2199	0.0	OFF	2199	0	0.00	0	68.0	68.0	68.0
10-11 PM	1531	0.0	OFF	1531	0	0.00	0	68.8	68.8	68.8
11PM-MID	1034	0.0	OFF	1034	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	0.0482
MAIN ROUTE WITH WORKS	0.0406
'DIVERSION'	0.0164

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$62,800
CONGESTED HOURS PER DAY*	5

\*Delays Exceeding User-Specified Maximum

**IH 43/894: HALE INTERCHANGE TO STH 27 (MILWAUKEE COUNTY)**  
**OFF-PEAK DAY 2 LANE CLOSURE**  
**NO DIVERSION ROUTE (MAX QUEUE METHOD)**

**MAY**  
 Analyzed for 2009  
 Construction Season

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

