

<b>IH 43/894: HALE INTERCHANGE TO STH 27 (MILWAUKEE COUNTY)                  CONTINUOUS (24 HOUR) CLOSURE                  NO DIVERSION ROUTE (MAX QUEUE METHOD)</b>	<b>MAY</b>
	Analyzed for 2009 Construction Season

**SUMMARY OF TRAFFIC MODEL OUTPUT**

SATURDAY 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	957	0.0	3000	957	0	0.35	0	69.6	63.5	49.7
1-2 AM	632	0.0	3000	632	0	0.36	0	69.9	63.8	49.7
2-3 AM	515	0.0	3000	515	0	0.36	0	70.1	63.9	49.7
3-4 AM	440	0.0	3000	440	0	0.36	0	70.2	63.9	49.7
4-5 AM	549	0.0	3000	549	0	0.36	0	70.0	63.8	49.7
5-6 AM	969	0.0	3000	969	0	0.35	0	69.6	63.5	49.7
6-7 AM	1616	0.0	3000	1616	0	0.34	0	68.7	63.0	49.7
7-8 AM	2373	0.0	2999	2373	0	0.38	0	67.8	61.6	47.7
8-9 AM	2992	0.0	2999	2992	0	0.92	14	67.0	54.1	38.3
9-10 AM	3334	0.0	3000	3334	0	4.07	201	66.6	32.4	37.3
10-11 AM	3679	0.0	3000	3344	336	12.39+	667	65.7	15.8	37.3
11AM-NOON	3890	0.0	2999	3002	888	15.11+	801	64.3	13.5	37.3
NOON-1PM	3892	0.0	3000	3002	890	15.10+	801	64.3	13.5	37.3
1-2 PM	3722	0.0	2999	3001	721	15.17+	801	65.5	13.5	37.3
2-3 PM	3906	0.0	3000	3002	904	15.10+	801	64.1	13.5	37.3
3-4 PM	3826	0.0	3000	3001	825	15.13+	801	64.7	13.5	37.3
4-5 PM	3690	0.0	3000	3001	690	15.19+	801	65.6	13.5	37.3
5-6 PM	3268	0.0	3000	3048	220	15.13+	794	66.7	13.6	37.3
6-7 PM	2879	0.0	3000	2879	0	14.52+	760	67.1	14.0	37.3
7-8 PM	2300	0.0	2999	2300	0	5.44	346	67.9	27.9	42.5
8-9 PM	2046	0.0	3000	2046	0	0.33	0	68.2	62.7	49.7
9-10 PM	1997	0.0	3000	1997	0	0.33	0	68.2	62.7	49.7
10-11 PM	1619	0.0	3000	1619	0	0.34	0	68.7	63.0	49.7
11PM-MID	1195	0.0	3000	1195	0	0.35	0	69.2	63.3	49.7

+ 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	0.0385
MAIN ROUTE WITH WORKS	0.0314
'DIVERSION'	0.0087
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$145,107
CONGESTED HOURS PER DAY*	9

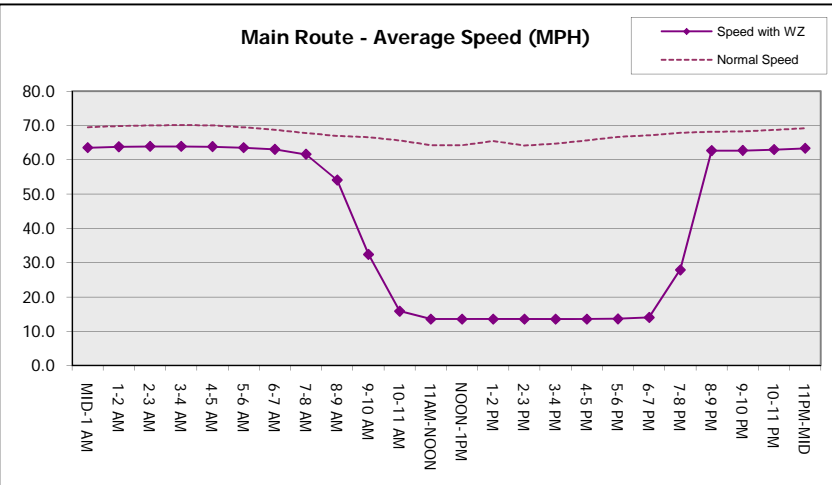
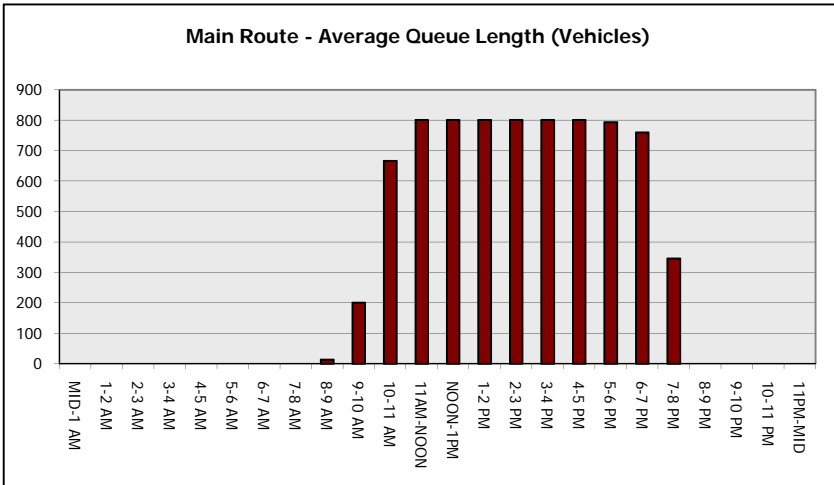
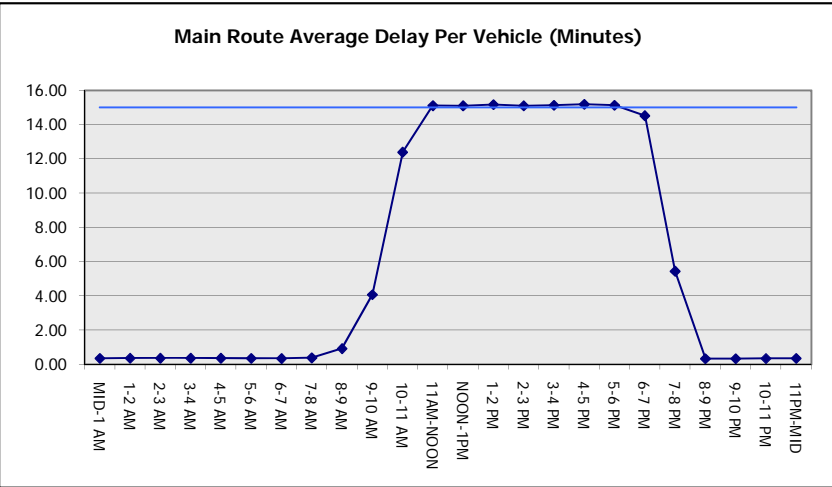
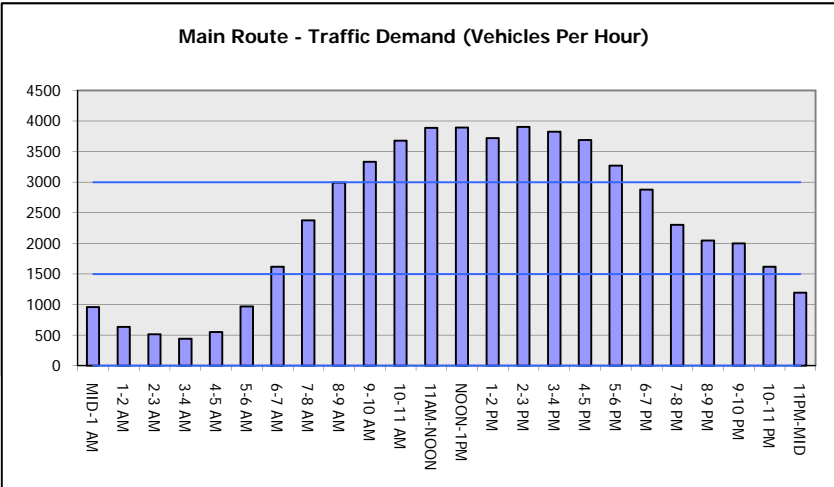
\*Delays Exceeding User-Specified Maximum

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**MAY**  
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Construction Season

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

**SATURDAY SOUTHBOUND DIRECTION**



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**SUMMARY OF TRAFFIC MODEL OUTPUT**

SATURDAY 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	787	0.0	3000	787	0	0.35	0	69.7	63.7	49.7
1-2 AM	483	0.0	3000	483	0	0.36	0	70.1	63.9	49.7
2-3 AM	437	0.0	3000	437	0	0.36	0	70.2	63.9	49.7
3-4 AM	394	0.0	3000	394	0	0.36	0	70.2	63.9	49.7
4-5 AM	591	0.0	3000	591	0	0.36	0	70.0	63.8	49.7
5-6 AM	1166	0.0	3000	1166	0	0.35	0	69.3	63.3	49.7
6-7 AM	1424	0.0	3000	1424	0	0.34	0	69.0	63.2	49.7
7-8 AM	1873	0.0	3000	1873	0	0.34	0	68.4	62.8	49.7
8-9 AM	2447	0.0	2999	2447	0	0.39	0	67.7	61.4	47.4
9-10 AM	2907	0.0	2999	2907	0	0.70	1	67.1	56.8	38.9
10-11 AM	3318	0.0	3000	3318	0	3.05	145	66.6	37.3	37.3
11AM-NOON	3593	0.0	3000	3559	34	11.05+	599	66.3	17.3	37.3
NOON-1PM	3856	0.0	3000	2998	858	15.12+	801	64.5	13.5	37.3
1-2 PM	3757	0.0	2999	2993	764	15.15+	800	65.2	13.5	37.3
2-3 PM	3875	0.0	3000	2998	876	15.11+	801	64.4	13.5	37.3
3-4 PM	3873	0.0	3000	2998	874	15.11+	801	64.4	13.5	37.3
4-5 PM	3854	0.0	3000	2998	856	15.12+	801	64.5	13.5	37.3
5-6 PM	3668	0.0	3000	2986	682	15.17+	799	65.8	13.5	37.3
6-7 PM	3192	0.0	2999	2943	250	15.14+	794	66.8	13.6	37.3
7-8 PM	2589	0.0	2999	2589	0	11.69+	618	67.5	16.6	37.3
8-9 PM	2356	0.0	2999	2356	0	1.92	124	67.8	45.0	45.8
9-10 PM	2226	0.0	3000	2226	0	0.33	0	67.9	62.5	49.7
10-11 PM	1642	0.0	3000	1642	0	0.34	0	68.7	63.0	49.7
11PM-MID	1191	0.0	3000	1191	0	0.35	0	69.2	63.3	49.7

+ 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	0.0380
MAIN ROUTE WITH WORKS	0.0311
'DIVERSION'	0.0082

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$136,292
CONGESTED HOURS PER DAY*	9

\*Delays Exceeding User-Specified Maximum

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**SATURDAY NORTHBOUND DIRECTION**

