

<b>IH 43/894: HALE INTERCHANGE TO STH 27 (MILWAUKEE COUNTY)                  CONTINUOUS (24 HOUR) CLOSURE                  NO DIVERSION ROUTE (MAX QUEUE METHOD)</b>	<b>AUGUST</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	1006	0.0	3000	1006	0	0.35	0	69.5	63.5	49.7
1-2 AM	668	0.0	3000	668	0	0.36	0	69.9	63.8	49.7
2-3 AM	575	0.0	3000	575	0	0.36	0	70.0	63.8	49.7
3-4 AM	579	0.0	3000	579	0	0.36	0	70.0	63.8	49.7
4-5 AM	956	0.0	3000	956	0	0.35	0	69.6	63.5	49.7
5-6 AM	2410	0.0	2999	2410	0	0.47	0	67.8	60.4	45.0
6-7 AM	4197	0.0	2999	3912	285	7.63+	481	62.2	21.9	37.3
7-8 AM	4571	0.0	3000	2997	1574	14.80+	801	59.6	13.5	37.3
8-9 AM	4050	0.0	3000	2980	1070	15.01+	799	63.2	13.5	37.3
9-10 AM	3977	0.0	2999	2997	979	15.07+	801	63.7	13.5	37.3
10-11 AM	4353	0.0	2999	2997	1356	14.90+	801	61.1	13.5	37.3
11AM-NOON	4423	0.0	2999	2997	1426	14.87+	801	60.6	13.5	37.3
NOON-1PM	4668	0.0	2999	2997	1671	14.75+	801	58.9	13.5	37.3
1-2 PM	4703	0.0	2999	2997	1706	14.73+	801	58.7	13.5	37.3
2-3 PM	4828	0.0	2999	2997	1830	14.66+	801	57.9	13.5	37.3
3-4 PM	5107	0.0	3000	2999	2108	14.52+	801	56.0	13.5	37.3
4-5 PM	5328	0.0	3000	3000	2328	14.39+	801	54.5	13.5	37.3
5-6 PM	5115	0.0	3000	2999	2116	14.51+	801	55.9	13.5	37.3
6-7 PM	4553	0.0	3000	2997	1556	14.80+	801	59.7	13.5	37.3
7-8 PM	3578	0.0	2999	2945	633	15.12+	795	66.3	13.6	37.3
8-9 PM	2812	0.0	2999	2808	5	14.20+	745	67.3	14.3	37.3
9-10 PM	2595	0.0	3000	2595	0	8.40	442	67.5	21.1	38.0
10-11 PM	1994	0.0	3000	1994	0	0.67	26	68.2	57.9	49.7
11PM-MID	1526	0.0	3000	1526	0	0.34	0	68.8	63.1	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

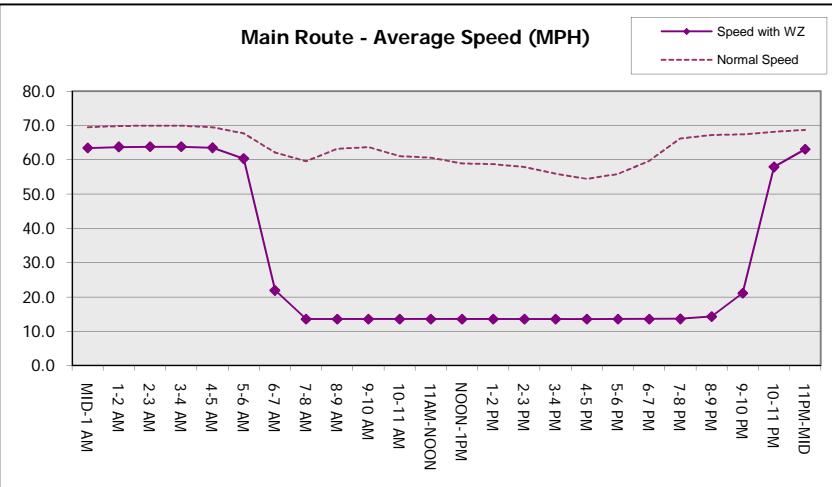
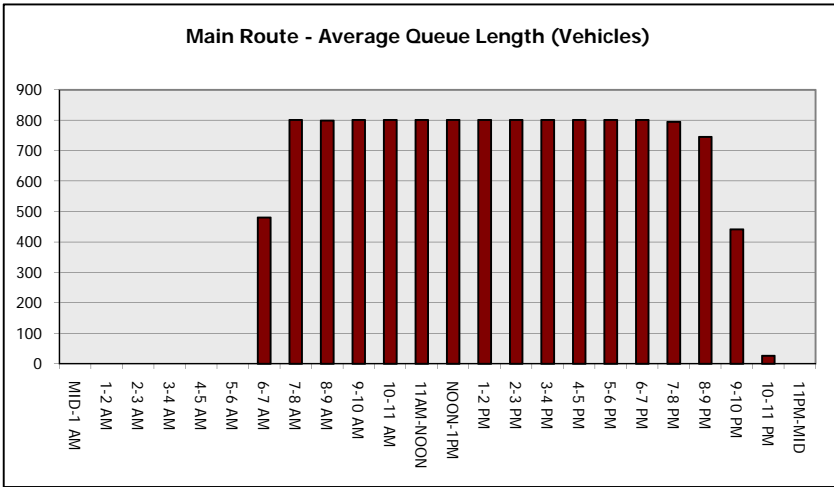
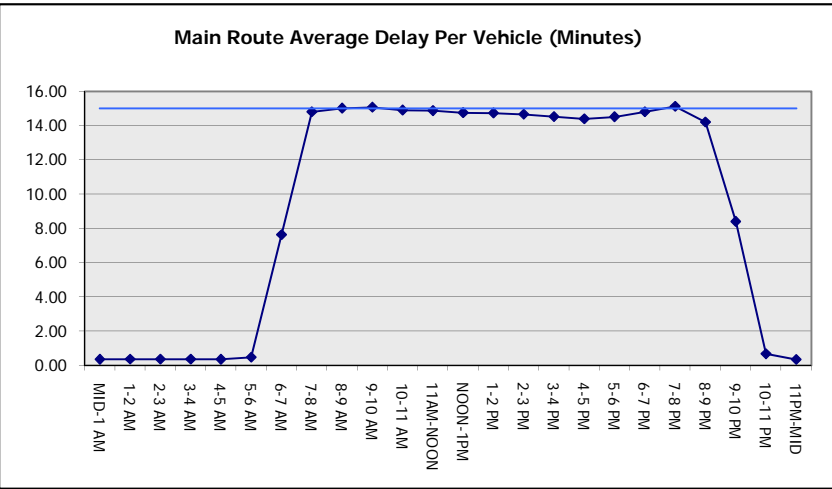
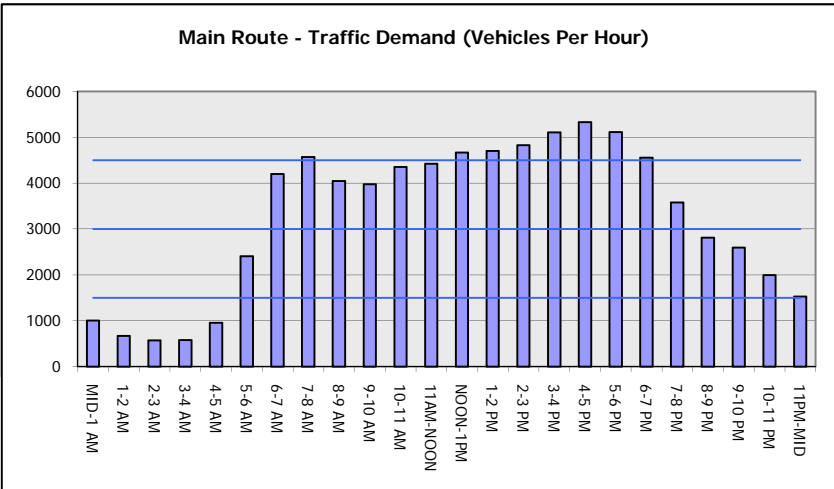
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0538
MAIN ROUTE WITH WORKS	0.0358
'DIVERSION'	0.0327
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$220,544
CONGESTED HOURS PER DAY*	15

\*Delays Exceeding User-Specified Maximum

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**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**FRIDAY SOUTHBOUND DIRECTION**



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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	697	0.0	3000	697	0	0.36	0	69.9	63.7	49.7	
1-2 AM	466	0.0	3000	466	0	0.36	0	70.2	63.9	49.7	
2-3 AM	447	0.0	3000	447	0	0.36	0	70.2	63.9	49.7	
3-4 AM	550	0.0	3000	550	0	0.36	0	70.0	63.8	49.7	
4-5 AM	1098	0.0	3000	1098	0	0.35	0	69.4	63.4	49.7	
5-6 AM	2442	0.0	2999	2442	0	0.47	0	67.7	60.3	44.9	
6-7 AM	4157	0.0	2999	3983	173	7.17+	464	62.5	22.9	37.3	
7-8 AM	5075	0.0	3000	2992	2083	14.47+	801	56.2	13.5	38.4	
8-9 AM	4202	0.0	2999	2892	1310	14.78+	792	62.2	13.7	37.7	
9-10 AM	3727	0.0	3000	2999	728	15.17+	801	65.4	13.5	37.3	
10-11 AM	3751	0.0	3000	2999	752	15.16+	801	65.2	13.5	37.3	
11AM-NOON	3980	0.0	3000	2998	982	15.07+	801	63.7	13.5	37.3	
NOON-1PM	4357	0.0	2999	2997	1360	14.90+	801	61.1	13.5	37.3	
1-2 PM	4418	0.0	2999	2997	1421	14.87+	801	60.7	13.5	37.3	
2-3 PM	4937	0.0	2999	2999	1938	14.61+	801	57.1	13.5	37.3	
3-4 PM	5244	0.0	3000	3000	2244	14.44+	801	55.0	13.5	37.3	
4-5 PM	5388	0.0	3000	3000	2388	14.35+	801	54.0	13.5	37.3	
5-6 PM	5328	0.0	3000	3000	2328	14.39+	801	54.5	13.5	37.3	
6-7 PM	4383	0.0	2999	2997	1386	14.89+	801	60.9	13.5	37.3	
7-8 PM	3365	0.0	3000	2933	432	15.11+	793	66.6	13.6	37.3	
8-9 PM	2880	0.0	2999	2880	0	14.30+	748	67.1	14.2	37.3	
9-10 PM	2668	0.0	2999	2668	0	10.11	527	67.4	18.5	37.3	
10-11 PM	2031	0.0	3000	2031	0	1.14	67	68.2	52.4	49.2	
11PM-MID	1594	0.0	3000	1594	0	0.34	0	68.7	63.0	49.7	

+ 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	0.0528
MAIN ROUTE WITH WORKS	0.0356
'DIVERSION'	0.0309

PIA: Personal Injury Accidents

ROAD USER COSTS PER DAY	\$217,845
CONGESTED HOURS PER DAY*	15

\*Delays Exceeding User-Specified Maximum

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