

IH 43/894: HALE INTERCHANGE TO STH 27 (MILWAUKEE COUNTY) OFF-PEAK DAY CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	MAY
	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	OFF	957	0	0.00	0	69.6	69.6	69.6	
1-2 AM	632	0.0	OFF	632	0	0.00	0	69.9	69.9	69.9	
2-3 AM	515	0.0	OFF	515	0	0.00	0	70.1	70.1	70.1	
3-4 AM	440	0.0	OFF	440	0	0.00	0	70.2	70.2	70.2	
4-5 AM	549	0.0	OFF	549	0	0.00	0	70.0	70.0	70.0	
5-6 AM	969	0.0	OFF	969	0	0.00	0	69.6	69.6	69.6	
6-7 AM	1616	0.0	OFF	1616	0	0.00	0	68.7	68.7	68.7	
7-8 AM	2373	0.0	OFF	2373	0	0.00	0	67.8	67.8	67.8	
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	OFF	2879	0	1.08	100	67.1	52.4	52.4	
7-8 PM	2300	0.0	OFF	2300	0	0.00	0	67.9	67.9	67.9	
8-9 PM	2046	0.0	OFF	2046	0	0.00	0	68.2	68.2	68.2	
9-10 PM	1997	0.0	OFF	1997	0	0.00	0	68.2	68.2	68.2	
10-11 PM	1619	0.0	OFF	1619	0	0.00	0	68.7	68.7	68.7	
11PM-MID	1195	0.0	OFF	1195	0	0.00	0	69.2	69.2	69.2	

"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	0.0385
MAIN ROUTE WITH WORKS	0.0327
'DIVERSION'	0.0087
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$124,741
CONGESTED HOURS PER DAY*	8

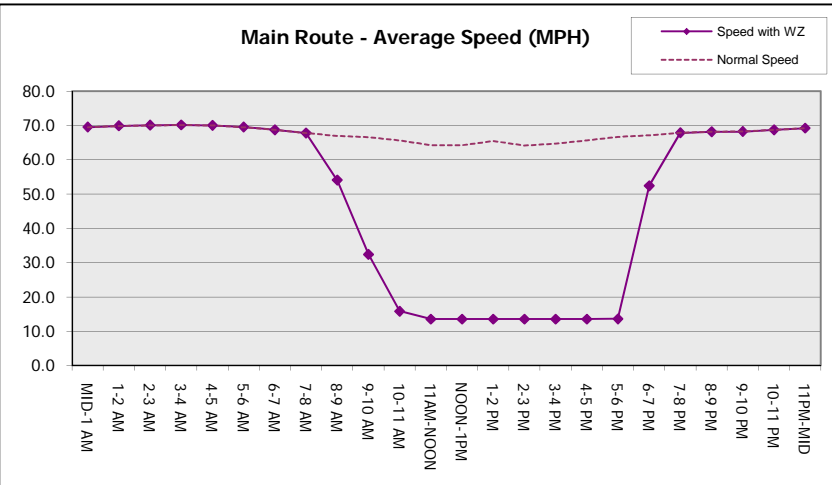
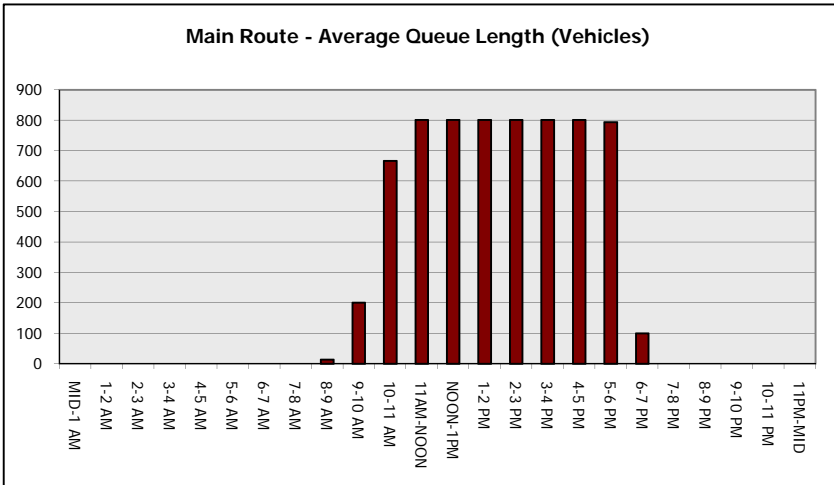
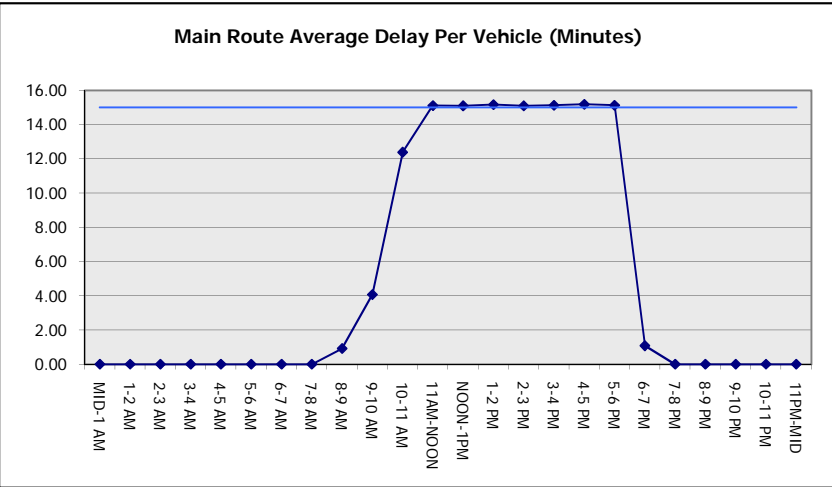
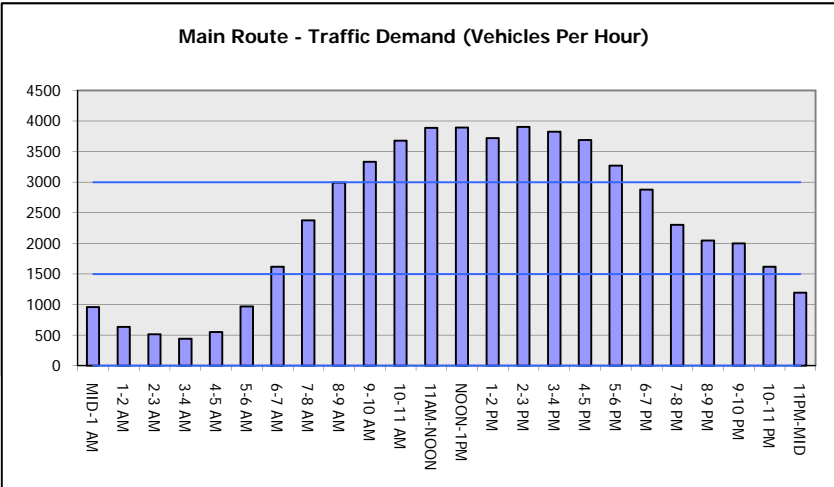
*Delays Exceeding User-Specified Maximum

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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	OFF	787	0	0.00	0	69.7	69.7	69.7
1-2 AM	483	0.0	OFF	483	0	0.00	0	70.1	70.1	70.1
2-3 AM	437	0.0	OFF	437	0	0.00	0	70.2	70.2	70.2
3-4 AM	394	0.0	OFF	394	0	0.00	0	70.2	70.2	70.2
4-5 AM	591	0.0	OFF	591	0	0.00	0	70.0	70.0	70.0
5-6 AM	1166	0.0	OFF	1166	0	0.00	0	69.3	69.3	69.3
6-7 AM	1424	0.0	OFF	1424	0	0.00	0	69.0	69.0	69.0
7-8 AM	1873	0.0	OFF	1873	0	0.00	0	68.4	68.4	68.4
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	OFF	3192	0	1.52	130	66.8	47.9	47.9
7-8 PM	2589	0.0	OFF	2589	0	0.00	0	67.5	67.5	67.5
8-9 PM	2356	0.0	OFF	2356	0	0.00	0	67.8	67.8	67.8
9-10 PM	2226	0.0	OFF	2226	0	0.00	0	67.9	67.9	67.9
10-11 PM	1642	0.0	OFF	1642	0	0.00	0	68.7	68.7	68.7
11PM-MID	1191	0.0	OFF	1191	0	0.00	0	69.2	69.2	69.2

"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	0.0
(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	0
(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	0.0326
'DIVERSION'	0.0078

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$109,191
CONGESTED HOURS PER DAY*	7

*Delays Exceeding User-Specified Maximum

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