

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

SUNDAY 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	951	0.0	OFF	951	0	0.00	0	69.6	69.6	69.6	
1-2 AM	530	0.0	OFF	530	0	0.00	0	70.0	70.0	70.0	
2-3 AM	430	0.0	OFF	430	0	0.00	0	70.2	70.2	70.2	
3-4 AM	276	0.0	OFF	276	0	0.00	0	70.2	70.2	70.2	
4-5 AM	275	0.0	OFF	275	0	0.00	0	70.2	70.2	70.2	
5-6 AM	485	0.0	OFF	485	0	0.00	0	70.1	70.1	70.1	
6-7 AM	841	0.0	OFF	841	0	0.00	0	69.7	69.7	69.7	
7-8 AM	1161	0.0	OFF	1161	0	0.00	0	69.3	69.3	69.3	
8-9 AM	1674	0.0	OFF	1674	0	0.00	0	68.7	68.7	68.7	
9-10 AM	2304	0.0	2999	2304	0	0.36	0	67.9	62.0	48.5	
10-11 AM	3085	0.0	2999	3085	0	1.18	30	66.9	51.2	37.8	
11AM-NOON	3571	0.0	3000	3571	0	6.98	382	66.3	23.7	37.3	
NOON-1PM	3865	0.0	2999	3023	842	15.07+	799	64.5	13.5	37.3	
1-2 PM	3687	0.0	3000	3014	673	15.16+	799	65.6	13.5	37.3	
2-3 PM	3585	0.0	3000	3003	582	15.22+	800	66.3	13.5	37.3	
3-4 PM	3789	0.0	3000	3001	788	15.15+	801	65.0	13.5	37.3	
4-5 PM	3727	0.0	3000	3001	726	15.17+	801	65.4	13.5	37.3	
5-6 PM	3349	0.0	3000	3046	303	15.14+	795	66.6	13.6	37.3	
6-7 PM	2946	0.0	3000	2946	0	14.80+	775	67.1	13.8	37.3	
7-8 PM	2681	0.0	OFF	2681	0	0.85	79	67.4	55.1	55.1	
8-9 PM	2126	0.0	OFF	2126	0	0.00	0	68.1	68.1	68.1	
9-10 PM	1878	0.0	OFF	1878	0	0.00	0	68.4	68.4	68.4	
10-11 PM	1364	0.0	OFF	1364	0	0.00	0	69.1	69.1	69.1	
11PM-MID	873	0.0	OFF	873	0	0.00	0	69.7	69.7	69.7	

"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	0.0338
MAIN ROUTE WITH WORKS	0.0292
'DIVERSION'	0.0062
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$111,637
CONGESTED HOURS PER DAY*	7

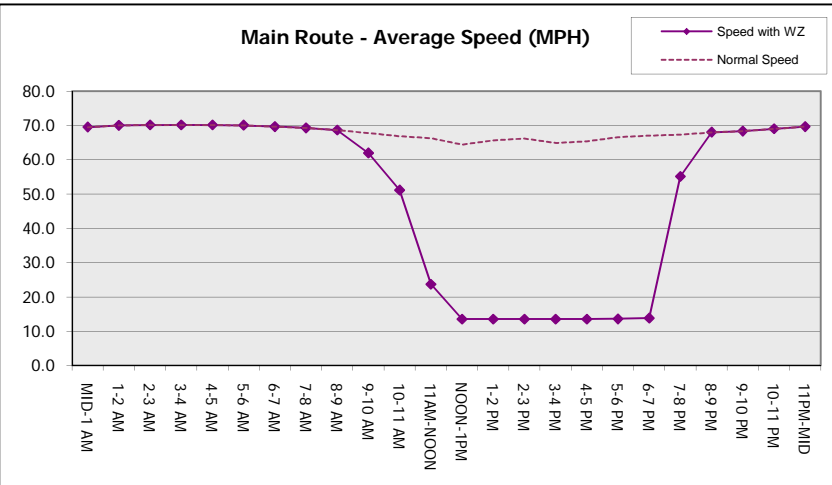
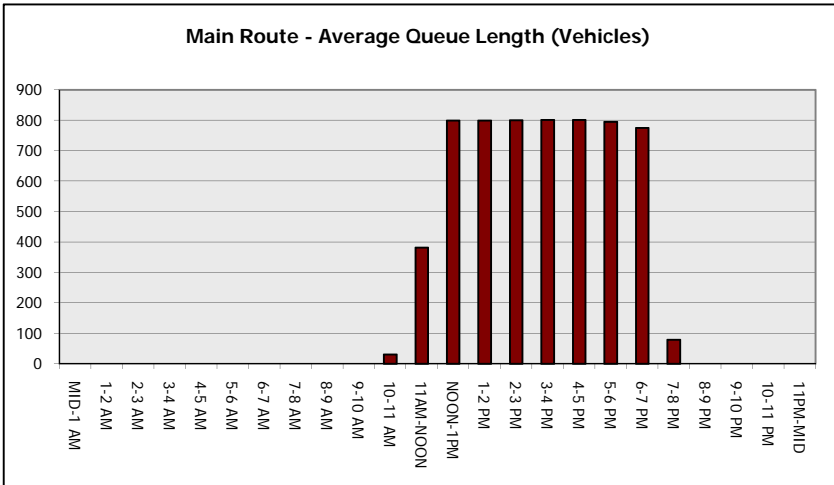
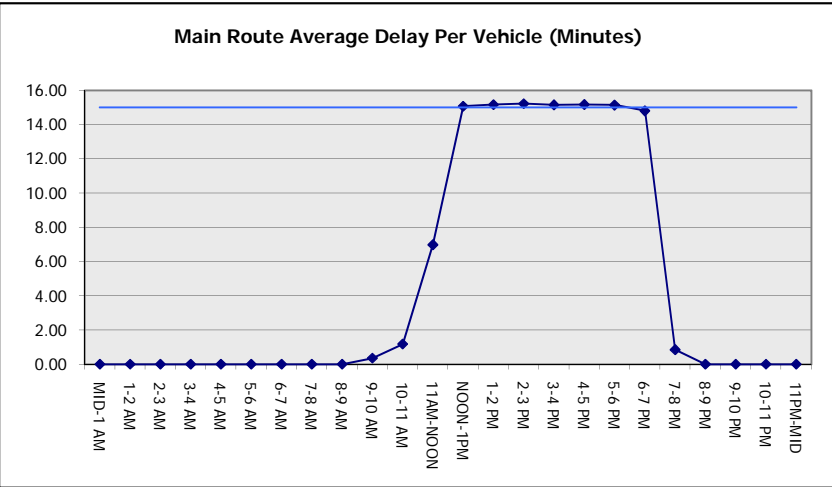
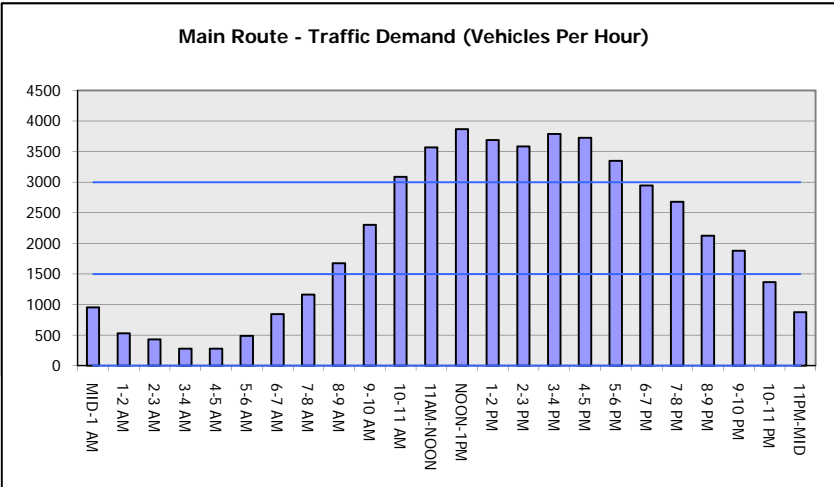
*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT

SUNDAY SOUTHBOUND DIRECTION



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SUMMARY OF TRAFFIC MODEL OUTPUT

SUNDAY 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	741	0.0	OFF	741	0	0.00	0	69.8	69.8	69.8
1-2 AM	451	0.0	OFF	451	0	0.00	0	70.2	70.2	70.2
2-3 AM	364	0.0	OFF	364	0	0.00	0	70.2	70.2	70.2
3-4 AM	299	0.0	OFF	299	0	0.00	0	70.2	70.2	70.2
4-5 AM	338	0.0	OFF	338	0	0.00	0	70.2	70.2	70.2
5-6 AM	605	0.0	OFF	605	0	0.00	0	70.0	70.0	70.0
6-7 AM	816	0.0	OFF	816	0	0.00	0	69.7	69.7	69.7
7-8 AM	1129	0.0	OFF	1129	0	0.00	0	69.3	69.3	69.3
8-9 AM	1504	0.0	OFF	1504	0	0.00	0	68.9	68.9	68.9
9-10 AM	2304	0.0	2999	2304	0	0.36	0	67.9	62.0	48.4
10-11 AM	2962	0.0	2999	2962	0	0.89	13	67.1	54.5	38.8
11AM-NOON	3469	0.0	3000	3469	0	4.77	253	66.4	29.8	37.3
NOON-1PM	4065	0.0	3000	3384	681	14.32+	767	63.1	14.0	37.3
1-2 PM	4114	0.0	3000	2997	1118	15.01+	801	62.7	13.5	37.3
2-3 PM	4104	0.0	3000	2997	1107	15.02+	801	62.8	13.5	37.3
3-4 PM	4127	0.0	3000	2997	1130	15.01+	801	62.7	13.5	37.3
4-5 PM	4223	0.0	3000	2997	1226	14.96+	801	62.0	13.5	37.3
5-6 PM	3846	0.0	3000	2970	875	15.08+	798	64.6	13.5	37.3
6-7 PM	3499	0.0	2999	2959	540	15.15+	796	66.4	13.6	37.3
7-8 PM	3038	0.0	OFF	3038	0	1.29	114	66.9	50.2	50.2
8-9 PM	2502	0.0	OFF	2502	0	0.00	0	67.6	67.6	67.6
9-10 PM	1878	0.0	OFF	1878	0	0.00	0	68.4	68.4	68.4
10-11 PM	1312	0.0	OFF	1312	0	0.00	0	69.1	69.1	69.1
11PM-MID	831	0.0	OFF	831	0	0.00	0	69.7	69.7	69.7

"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	0.0359
MAIN ROUTE WITH WORKS	0.0294
'DIVERSION'	0.0106

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$120,663
CONGESTED HOURS PER DAY*	7

*Delays Exceeding User-Specified Maximum

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SUNDAY NORTHBOUND DIRECTION

