

IH 43/894: HALE INTERCHANGE TO STH 27 (MILWAUKEE COUNTY) CONTINUOUS (24 HOUR) CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	MAY
	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	833	0.0	3000	833	0	0.35	0	69.7	63.7	49.7
1-2 AM	519	0.0	3000	519	0	0.36	0	70.1	63.8	49.7
2-3 AM	492	0.0	3000	492	0	0.36	0	70.1	63.9	49.7
3-4 AM	572	0.0	3000	572	0	0.36	0	70.0	63.8	49.7
4-5 AM	942	0.0	3000	942	0	0.35	0	69.6	63.5	49.7
5-6 AM	2414	0.0	2999	2414	0	0.47	0	67.8	60.3	44.9
6-7 AM	4241	0.0	2999	3881	360	7.76+	488	61.9	21.6	37.3
7-8 AM	4691	0.0	3000	2997	1694	14.74+	801	58.8	13.5	37.3
8-9 AM	3997	0.0	2999	2997	1000	15.06+	801	63.5	13.5	37.3
9-10 AM	3703	0.0	3000	2994	708	15.17+	800	65.6	13.5	37.3
10-11 AM	3822	0.0	2999	2999	823	15.13+	801	64.8	13.5	37.3
11AM-NOON	3988	0.0	2999	2998	990	15.06+	801	63.6	13.5	37.3
NOON-1PM	4130	0.0	2999	2997	1133	15.00+	801	62.7	13.5	37.3
1-2 PM	4414	0.0	2999	2997	1417	14.87+	801	60.7	13.5	37.3
2-3 PM	5032	0.0	2999	2999	2032	14.56+	801	56.5	13.5	37.3
3-4 PM	5200	0.0	3000	5200	2200	14.46+	801	55.3	13.5	37.3
4-5 PM	5185	0.0	3000	3000	2185	14.47+	801	55.5	13.5	37.3
5-6 PM	5079	0.0	3000	2999	2080	14.53+	801	56.1	13.5	37.3
6-7 PM	4177	0.0	2999	2998	1179	14.98+	801	62.3	13.5	37.3
7-8 PM	3175	0.0	2999	2914	261	15.08+	791	66.8	13.7	37.3
8-9 PM	2580	0.0	2999	2580	0	10.98	580	67.5	17.5	37.3
9-10 PM	2523	0.0	3000	2523	0	2.47	145	67.6	41.0	42.5
10-11 PM	1971	0.0	3000	1971	0	0.34	0	68.3	62.7	49.7
11PM-MID	1350	0.0	3000	1350	0	0.35	0	69.1	63.2	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	0.0513
MAIN ROUTE WITH WORKS	0.0352
'DIVERSION'	0.0286
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$205,310
CONGESTED HOURS PER DAY*	14

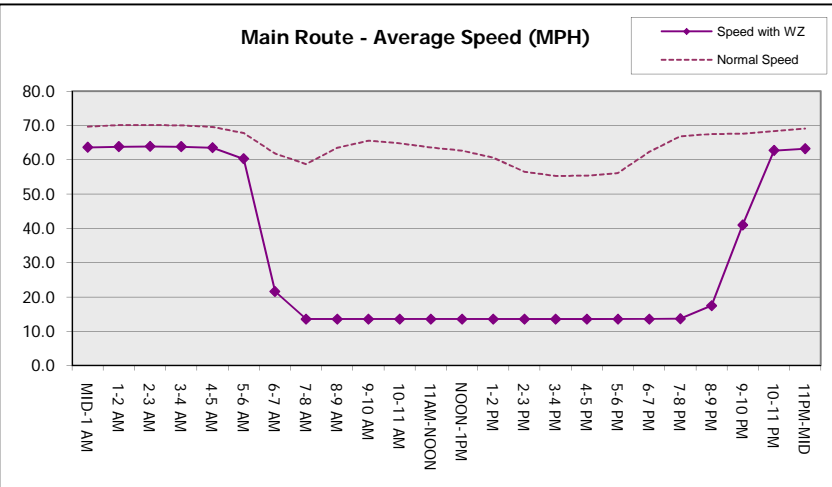
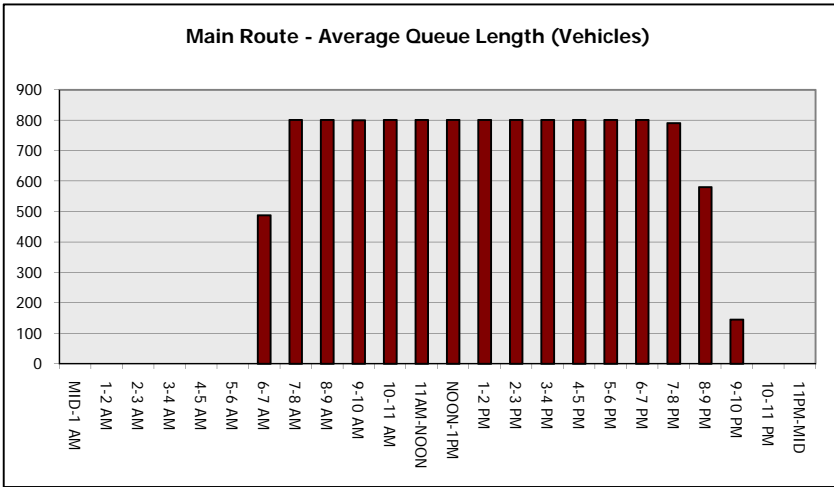
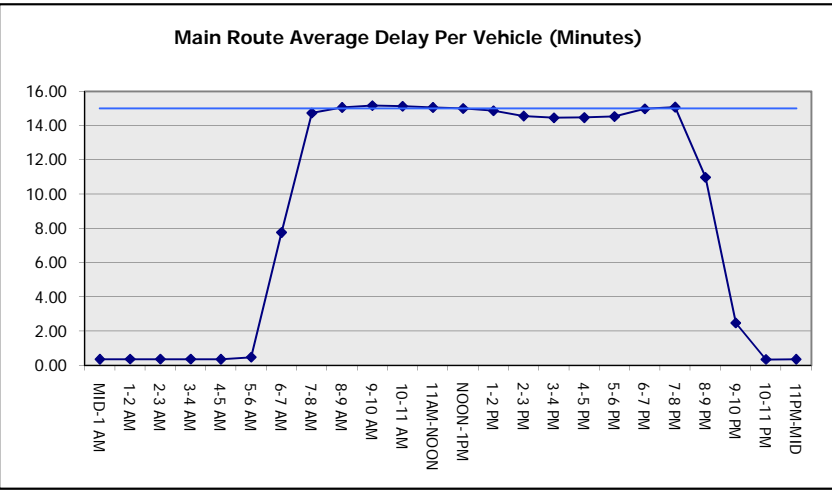
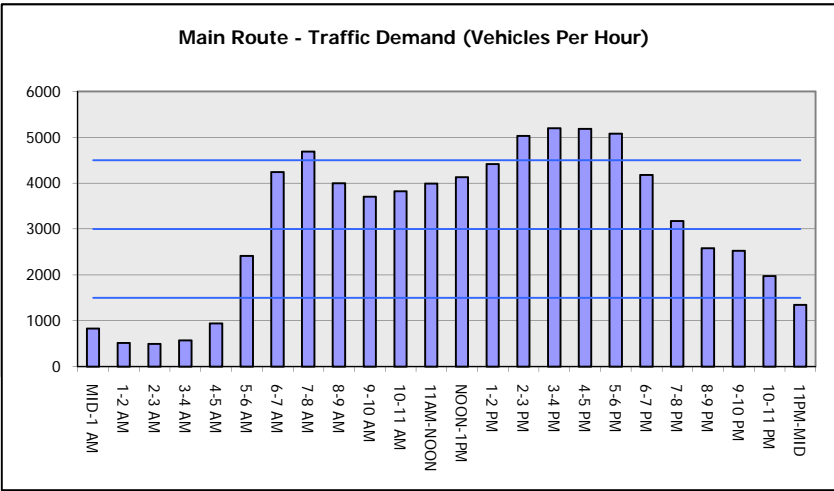
*Delays Exceeding User-Specified Maximum

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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	623	0.0	3000	623	0	0.36	0	70.0	63.8	49.7	
1-2 AM	421	0.0	3000	421	0	0.36	0	70.2	63.9	49.7	
2-3 AM	431	0.0	3000	431	0	0.36	0	70.2	63.9	49.7	
3-4 AM	517	0.0	3000	517	0	0.36	0	70.1	63.9	49.7	
4-5 AM	1044	0.0	3000	1044	0	0.35	0	69.4	63.5	49.7	
5-6 AM	2510	0.0	2999	2510	0	0.50	0	67.6	59.8	44.0	
6-7 AM	4415	0.0	2999	3746	669	8.34+	517	60.7	20.5	37.3	
7-8 AM	5160	0.0	2999	3000	2160	14.49+	801	55.6	13.5	37.3	
8-9 AM	4284	0.0	3000	3003	1282	14.93+	801	61.6	13.5	37.3	
9-10 AM	3579	0.0	3000	3000	579	15.22+	801	66.3	13.5	37.3	
10-11 AM	3476	0.0	3000	3000	476	15.23+	801	66.4	13.5	37.3	
11AM-NOON	3676	0.0	3000	3000	675	15.19+	801	65.8	13.5	37.3	
NOON-1PM	3982	0.0	3000	3002	980	15.07+	801	63.7	13.5	37.3	
1-2 PM	4219	0.0	3000	3003	1217	14.96+	801	62.0	13.5	37.3	
2-3 PM	4659	0.0	3000	3002	1657	14.75+	801	59.1	13.5	37.3	
3-4 PM	4842	0.0	3000	3001	1841	14.66+	801	57.8	13.5	37.3	
4-5 PM	5192	0.0	3000	3000	2192	14.47+	801	55.4	13.5	37.3	
5-6 PM	5356	0.0	3000	3000	2356	14.37+	801	54.3	13.5	37.3	
6-7 PM	4309	0.0	3000	3002	1307	14.92+	801	61.4	13.5	37.3	
7-8 PM	3322	0.0	3000	3052	269	15.12+	794	66.6	13.6	37.3	
8-9 PM	2719	0.0	2999	2719	0	13.26+	696	67.4	15.1	37.3	
9-10 PM	2510	0.0	2999	2510	0	5.59	308	67.6	27.4	39.9	
10-11 PM	1962	0.0	3000	1962	0	0.35	0	68.3	62.5	49.7	
11PM-MID	1409	0.0	3000	1409	0	0.34	0	69.0	63.2	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	0.0511
MAIN ROUTE WITH WORKS	0.0352
'DIVERSION'	0.0280

PIA: Personal Injury Accidents

ROAD USER COSTS PER DAY	\$208,057
CONGESTED HOURS PER DAY*	15

*Delays Exceeding User-Specified Maximum

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