

IH 43/894: HALE INTERCHANGE TO STH 27 (MILWAUKEE COUNTY) NIGHTTIME 2 LANE 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	1500	951	0	0.58	0	69.6	60.1	41.9	
1-2 AM	530	0.0	1500	530	0	0.54	0	70.0	61.2	43.4	
2-3 AM	430	0.0	1500	430	0	0.53	0	70.2	61.4	43.8	
3-4 AM	276	0.0	1500	276	0	0.51	0	70.2	61.7	44.4	
4-5 AM	275	0.0	1500	275	0	0.51	0	70.2	61.7	44.4	
5-6 AM	485	0.0	1500	485	0	0.53	0	70.1	61.3	43.6	
6-7 AM	841	0.0	1500	841	0	0.57	0	69.7	60.4	42.2	
7-8 AM	1161	0.0	1499	1161	0	0.69	0	69.3	58.4	39.0	
8-9 AM	1674	0.0	1499	1674	0	2.63	51	68.7	40.4	30.8	
9-10 AM	2304	0.0	OFF	2304	0	0.05	4	67.9	66.9	66.9	
10-11 AM	3085	0.0	OFF	3085	0	0.00	0	66.9	66.9	66.9	
11AM-NOON	3571	0.0	OFF	3571	0	0.00	0	66.3	66.3	66.3	
NOON-1PM	3865	0.0	OFF	3865	0	0.00	0	64.5	64.5	64.5	
1-2 PM	3687	0.0	OFF	3687	0	0.00	0	65.6	65.6	65.6	
2-3 PM	3585	0.0	OFF	3585	0	0.00	0	66.3	66.3	66.3	
3-4 PM	3789	0.0	OFF	3789	0	0.00	0	65.0	65.0	65.0	
4-5 PM	3727	0.0	OFF	3727	0	0.00	0	65.4	65.4	65.4	
5-6 PM	3349	0.0	OFF	3349	0	0.00	0	66.6	66.6	66.6	
6-7 PM	2946	0.0	OFF	2946	0	0.00	0	67.1	67.1	67.1	
7-8 PM	2681	0.0	1499	1736	944	13.75+	345	67.4	14.7	35.4	
8-9 PM	2126	0.0	1499	1713	413	15.57+	383	68.1	13.4	30.8	
9-10 PM	1878	0.0	1499	1462	415	16.20+	396	68.4	12.9	30.8	
10-11 PM	1364	0.0	1499	1343	21	14.59+	357	69.1	14.1	30.8	
11PM-MID	873	0.0	1500	873	0	1.80	56	69.7	46.8	41.5	

"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	0.0338
MAIN ROUTE WITH WORKS	0.0317
'DIVERSION'	0.0028
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$32,990
CONGESTED HOURS PER DAY*	4

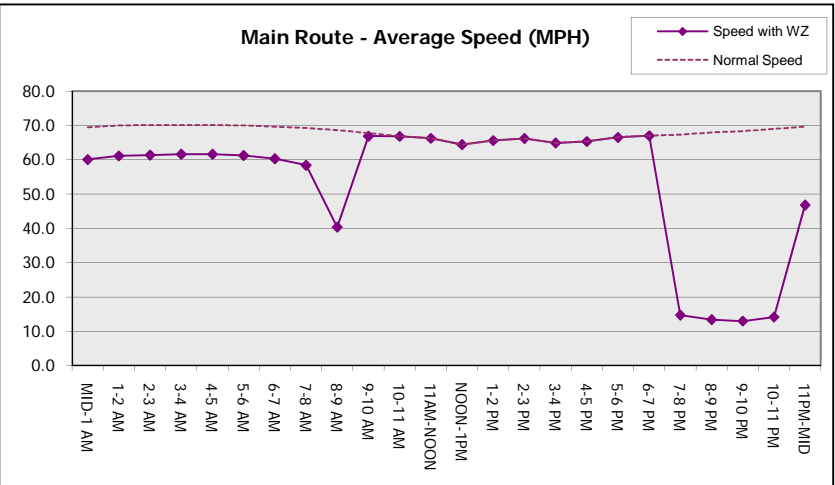
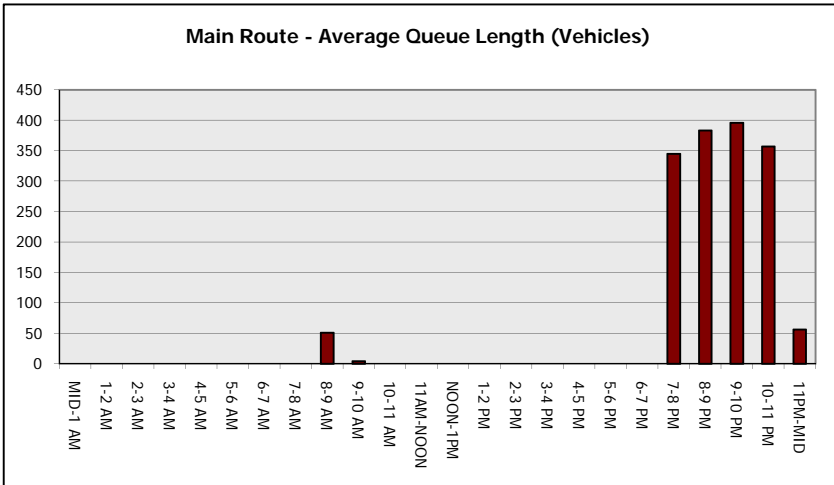
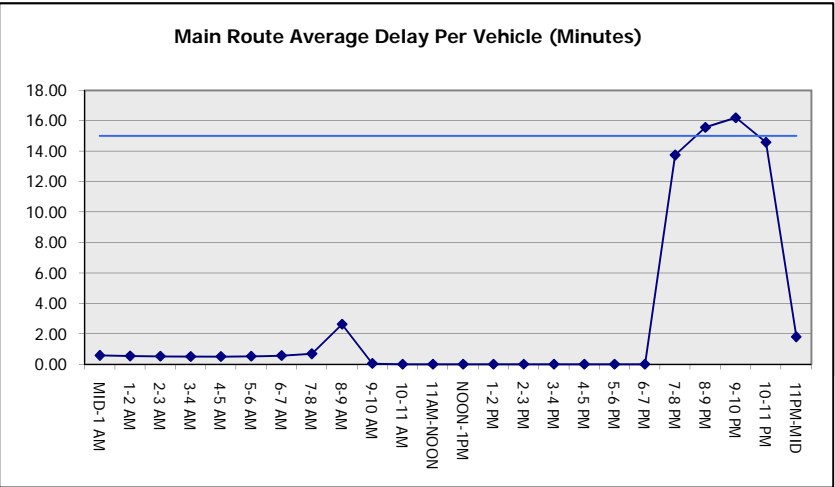
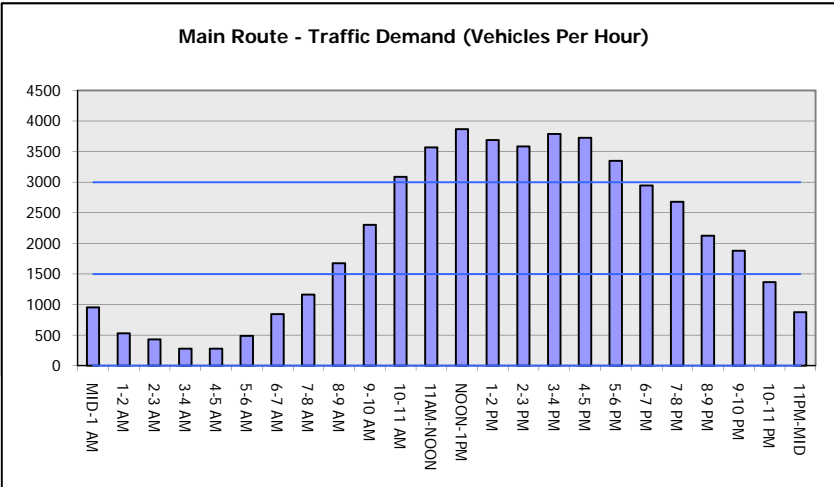
*Delays Exceeding User-Specified Maximum

IH 43/894: HALE INTERCHANGE TO STH 27 (MILWAUKEE COUNTY)
NIGHTTIME 2 LANE CLOSURE
NO DIVERSION ROUTE (MAX QUEUE METHOD)

MAY
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT

SUNDAY SOUTHBOUND DIRECTION



IH 43/894: HALE INTERCHANGE TO STH 27 (MILWAUKEE COUNTY) NIGHTTIME 2 LANE CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	MAY
	Analyzed for 2009 Construction Season

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	1500	741	0	0.56	0	69.8	60.6	42.6
1-2 AM	451	0.0	1500	451	0	0.53	0	70.2	61.4	43.7
2-3 AM	364	0.0	1500	364	0	0.52	0	70.2	61.5	44.0
3-4 AM	299	0.0	1500	299	0	0.51	0	70.2	61.7	44.3
4-5 AM	338	0.0	1500	338	0	0.51	0	70.2	61.5	44.2
5-6 AM	605	0.0	1500	605	0	0.54	0	70.0	61.0	43.1
6-7 AM	816	0.0	1500	816	0	0.57	0	69.7	60.4	42.4
7-8 AM	1129	0.0	1499	1129	0	0.66	0	69.3	58.9	39.7
8-9 AM	1504	0.0	1499	1504	0	1.60	18	68.9	48.3	32.4
9-10 AM	2304	0.0	OFF	2304	0	0.01	0	67.9	67.6	67.6
10-11 AM	2962	0.0	OFF	2962	0	0.00	0	67.1	67.1	67.1
11AM-NOON	3469	0.0	OFF	3469	0	0.00	0	66.4	66.4	66.4
NOON-1PM	4065	0.0	OFF	4065	0	0.00	0	63.1	63.1	63.1
1-2 PM	4114	0.0	OFF	4114	0	0.00	0	62.7	62.7	62.7
2-3 PM	4104	0.0	OFF	4104	0	0.00	0	62.8	62.8	62.8
3-4 PM	4127	0.0	OFF	4127	0	0.00	0	62.7	62.7	62.7
4-5 PM	4223	0.0	OFF	4223	0	0.00	0	62.0	62.0	62.0
5-6 PM	3846	0.0	OFF	3846	0	0.00	0	64.6	64.6	64.6
6-7 PM	3499	0.0	OFF	3499	0	0.00	0	66.4	66.4	66.4
7-8 PM	3038	0.0	1499	1550	1488	16.47+	412	66.9	12.7	36.6
8-9 PM	2502	0.0	1499	1698	804	13.59+	352	67.6	14.8	35.3
9-10 PM	1878	0.0	1499	1631	247	15.22+	373	68.4	13.6	30.8
10-11 PM	1312	0.0	1499	1312	0	12.95	317	69.1	15.5	31.0
11PM-MID	831	0.0	1500	831	0	1.26	30	69.7	52.0	42.1

"OFF" INDICATES NO ROAD WORK (ALL LANES OPEN TO TRAFFIC)

+ 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	0.0359
MAIN ROUTE WITH WORKS	0.0333
'DIVERSION'	0.0040

PIA: Personal Injury Accidents

ROAD USER COSTS PER DAY	\$34,657
CONGESTED HOURS PER DAY*	3

*Delays Exceeding User-Specified Maximum

IH 43/894: HALE INTERCHANGE TO STH 27 (MILWAUKEE COUNTY)
NIGHTTIME 2 LANE CLOSURE
NO DIVERSION ROUTE (MAX QUEUE METHOD)

MAY
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY NORTHBOUND DIRECTION

