

IH 43/894: HALE INTERCHANGE TO STH 27 (MILWAUKEE COUNTY) NIGHTTIME 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	OFF	2414	0	0.00	0	67.8	67.8	67.8
6-7 AM	4241	0.0	OFF	4241	0	0.00	0	61.9	61.9	61.9
7-8 AM	4691	0.0	OFF	4691	0	0.00	0	58.8	58.8	58.8
8-9 AM	3997	0.0	OFF	3997	0	0.00	0	63.5	63.5	63.5
9-10 AM	3703	0.0	OFF	3703	0	0.00	0	65.6	65.6	65.6
10-11 AM	3822	0.0	OFF	3822	0	0.00	0	64.8	64.8	64.8
11AM-NOON	3988	0.0	OFF	3988	0	0.00	0	63.6	63.6	63.6
NOON-1PM	4130	0.0	OFF	4130	0	0.00	0	62.7	62.7	62.7
1-2 PM	4414	0.0	OFF	4414	0	0.00	0	60.7	60.7	60.7
2-3 PM	5032	0.0	OFF	5032	0	0.00	0	56.5	56.5	56.5
3-4 PM	5200	0.0	OFF	5200	0	0.00	0	55.3	55.3	55.3
4-5 PM	5185	0.0	OFF	5185	0	0.00	0	55.5	55.5	55.5
5-6 PM	5079	0.0	OFF	5079	0	0.00	0	56.1	56.1	56.1
6-7 PM	4177	0.0	OFF	4177	0	0.00	0	62.3	62.3	62.3
7-8 PM	3175	0.0	2999	3175	0	3.12	137	66.8	36.9	37.3
8-9 PM	2580	0.0	2999	2580	0	1.15	45	67.5	51.9	43.5
9-10 PM	2523	0.0	3000	2523	0	0.42	0	67.6	60.9	46.3
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

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

----- 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

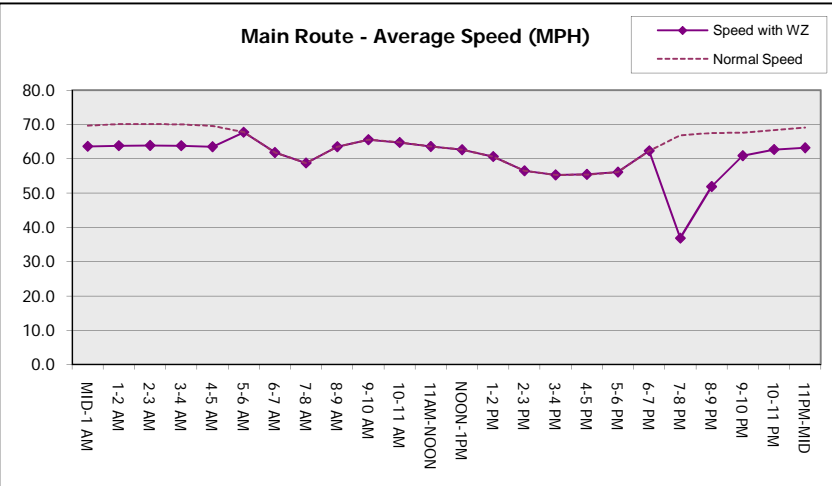
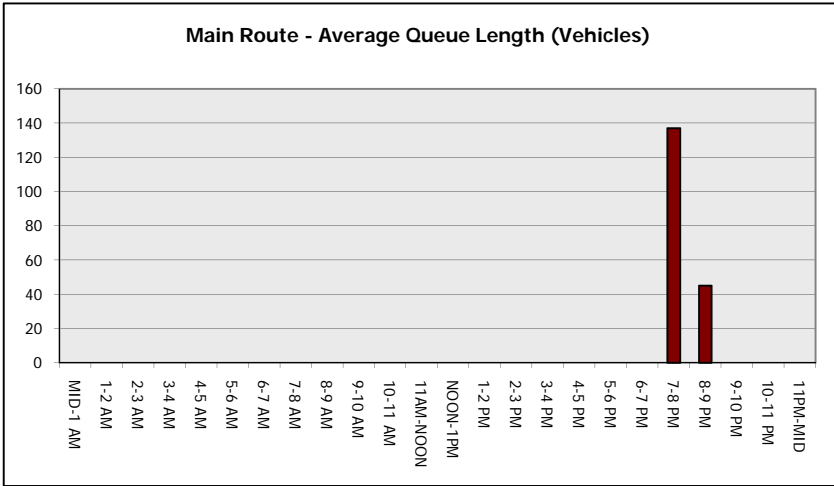
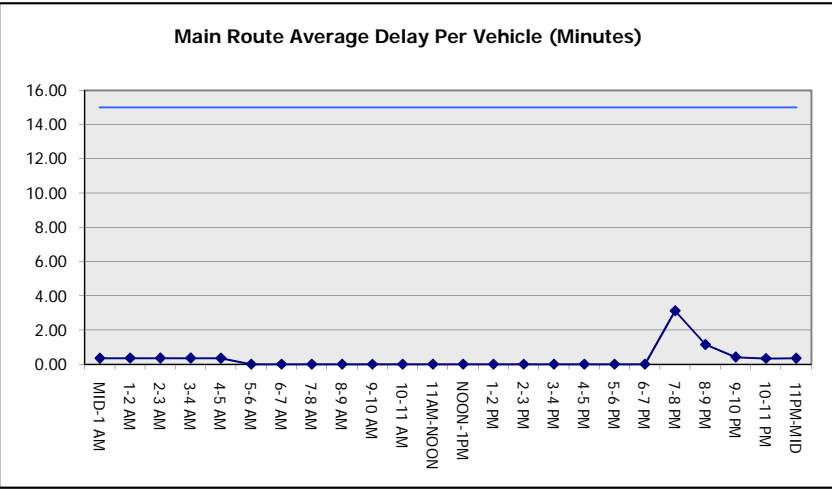
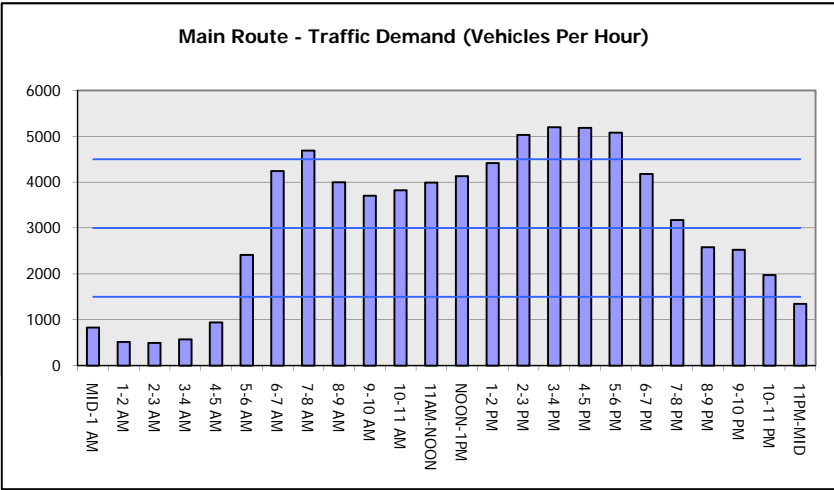
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0513
MAIN ROUTE WITH WORKS	0.0504
'DIVERSION'	0.0000
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$3,828
CONGESTED HOURS PER DAY*	0

*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	OFF	2510	0	0.00	0	67.6	67.6	67.6
6-7 AM	4415	0.0	OFF	4415	0	0.00	0	60.7	60.7	60.7
7-8 AM	5160	0.0	OFF	5160	0	0.00	0	55.6	55.6	55.6
8-9 AM	4284	0.0	OFF	4284	0	0.00	0	61.6	61.6	61.6
9-10 AM	3579	0.0	OFF	3579	0	0.00	0	66.3	66.3	66.3
10-11 AM	3476	0.0	OFF	3476	0	0.00	0	66.4	66.4	66.4
11AM-NOON	3676	0.0	OFF	3676	0	0.00	0	65.8	65.8	65.8
NOON-1PM	3982	0.0	OFF	3982	0	0.00	0	63.7	63.7	63.7
1-2 PM	4219	0.0	OFF	4219	0	0.00	0	62.0	62.0	62.0
2-3 PM	4659	0.0	OFF	4659	0	0.00	0	59.1	59.1	59.1
3-4 PM	4842	0.0	OFF	4842	0	0.00	0	57.8	57.8	57.8
4-5 PM	5192	0.0	OFF	5192	0	0.00	0	55.4	55.4	55.4
5-6 PM	5356	0.0	OFF	5356	0	0.00	0	54.3	54.3	54.3
6-7 PM	4309	0.0	OFF	4309	0	0.00	0	61.4	61.4	61.4
7-8 PM	3322	0.0	2999	3322	0	4.28	210	66.6	31.6	37.3
8-9 PM	2719	0.0	2999	2719	0	4.18	206	67.4	32.2	38.7
9-10 PM	2510	0.0	3000	2510	0	0.44	2	67.6	60.6	46.6
10-11 PM	1962	0.0	3000	1962	0	0.34	0	68.3	62.7	49.7
11PM-MID	1409	0.0	3000	1409	0	0.34	0	69.0	63.2	49.7

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

----- 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	0.0511
MAIN ROUTE WITH WORKS	0.0501
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$6,805
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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