

IH 894: STH 59 TO HALE INTERCHANGE (MILWAUKEE COUNTY) NIGHTTIME 2 LANE CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	MAY
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

SUNDAY WESTBOUND 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	1029	0.0	1500	1029	0	0.59	0	69.4	58.1	41.5	
1-2 AM	580	0.0	1500	580	0	0.54	0	70.0	59.3	43.2	
2-3 AM	463	0.0	1500	463	0	0.53	0	70.2	59.6	43.7	
3-4 AM	316	0.0	1500	316	0	0.51	0	70.2	59.9	44.2	
4-5 AM	322	0.0	1500	322	0	0.51	0	70.2	59.9	44.2	
5-6 AM	605	0.0	1500	605	0	0.54	0	70.0	59.2	43.1	
6-7 AM	1115	0.0	1499	1115	0	0.66	0	69.4	56.9	39.6	
7-8 AM	1533	0.0	1499	1533	0	1.67	20	68.8	44.5	31.9	
8-9 AM	2196	0.0	1500	1747	449	11.59+	303	68.0	14.3	30.9	
9-10 AM	3149	0.0	OFF	3149	0	0.21	19	66.8	62.6	62.6	
10-11 AM	4136	0.0	OFF	4136	0	0.00	0	62.6	62.6	62.6	
11AM-NOON	4316	0.0	OFF	4316	0	0.00	0	61.4	61.4	61.4	
NOON-1PM	5019	0.0	OFF	5019	0	0.00	0	56.6	56.6	56.6	
1-2 PM	4655	0.0	OFF	4655	0	0.00	0	59.1	59.1	59.1	
2-3 PM	4583	0.0	OFF	4583	0	0.00	0	59.6	59.6	59.6	
3-4 PM	4600	0.0	OFF	4600	0	0.00	0	59.4	59.4	59.4	
4-5 PM	4507	0.0	OFF	4507	0	0.00	0	60.1	60.1	60.1	
5-6 PM	4174	0.0	OFF	4174	0	0.00	0	62.3	62.3	62.3	
6-7 PM	3893	0.0	OFF	3893	0	0.00	0	64.3	64.3	64.3	
7-8 PM	3397	0.0	1499	1550	1847	16.47+	412	66.5	10.7	36.6	
8-9 PM	2789	0.0	1499	1584	1205	14.34+	380	67.3	12.0	36.0	
9-10 PM	2386	0.0	1499	1678	708	14.28+	364	67.8	12.0	34.2	
10-11 PM	1748	0.0	1499	1589	159	15.98+	390	68.6	11.0	30.8	
11PM-MID	1034	0.0	1499	1034	0	5.50	194	69.4	24.7	36.3	

"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

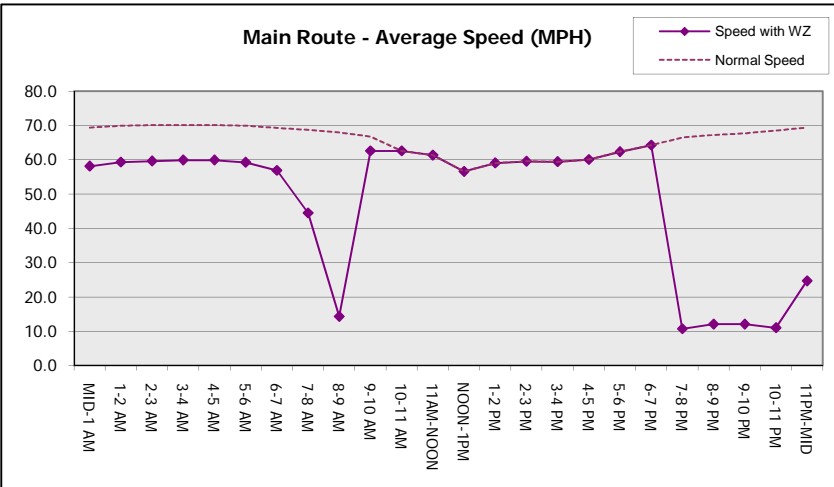
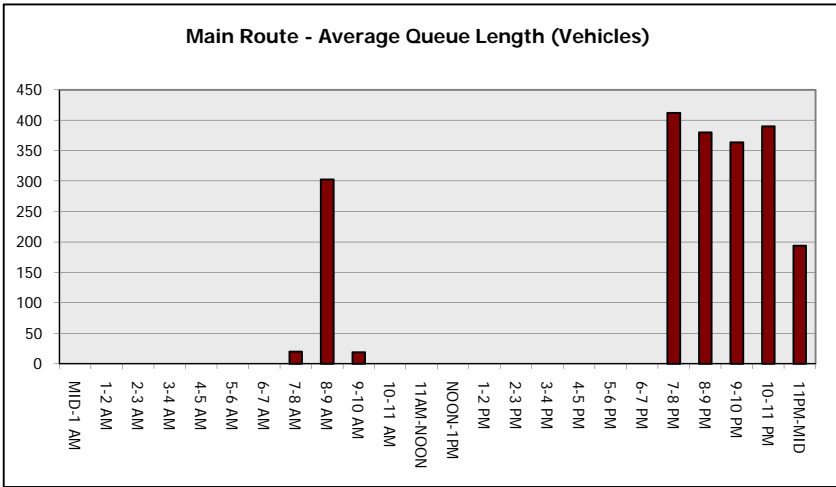
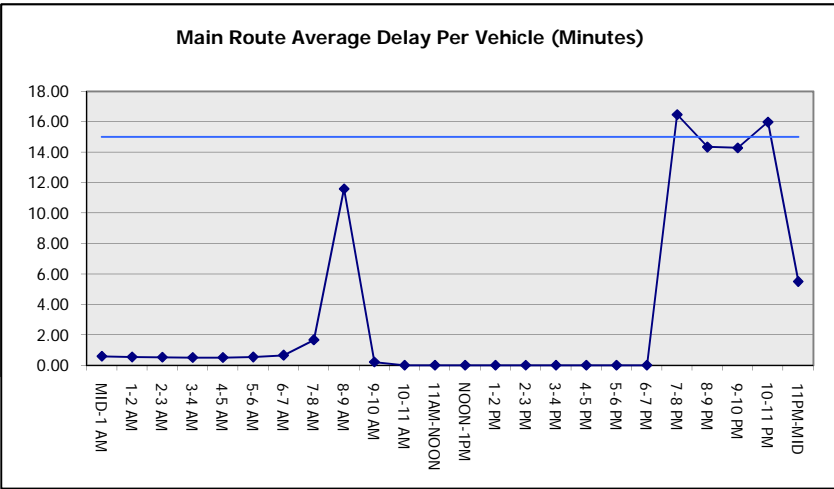
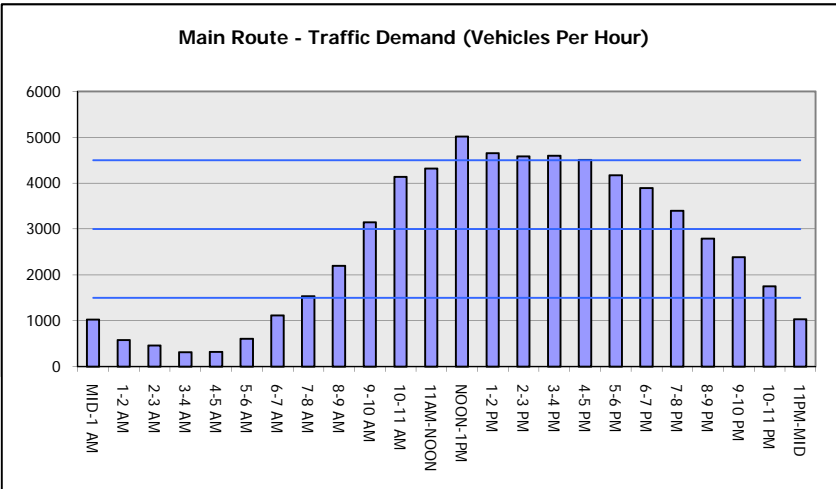
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0348
MAIN ROUTE WITH WORKS	0.0314
'DIVERSION'	0.0056
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$49,876
CONGESTED HOURS PER DAY*	5

*Delays Exceeding User-Specified Maximum

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NIGHTTIME 2 LANE CLOSURE
NO DIVERSION ROUTE (MAX QUEUE METHOD)

MAY
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 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY WESTBOUND DIRECTION



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SUMMARY OF TRAFFIC MODEL OUTPUT

SUNDAY EASTBOUND 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	1044	0.0	1500	1044	0	0.59	0	69.4	58.1	41.5
1-2 AM	669	0.0	1500	669	0	0.55	0	69.9	59.1	42.8
2-3 AM	592	0.0	1500	592	0	0.54	0	70.0	59.2	43.2
3-4 AM	365	0.0	1500	365	0	0.52	0	70.2	59.8	44.0
4-5 AM	361	0.0	1500	361	0	0.52	0	70.2	59.8	44.0
5-6 AM	584	0.0	1500	584	0	0.54	0	70.0	59.3	43.2
6-7 AM	875	0.0	1500	875	0	0.57	0	69.7	58.5	42.1
7-8 AM	1374	0.0	1499	1374	0	0.94	0	69.1	52.8	33.9
8-9 AM	1903	0.0	1500	1903	0	5.62	158	68.4	24.2	30.8
9-10 AM	2784	0.0	OFF	2784	0	0.28	25	67.3	61.8	61.8
10-11 AM	3691	0.0	OFF	3691	0	0.00	0	65.6	65.6	65.6
11AM-NOON	4350	0.0	OFF	4350	0	0.00	0	61.1	61.1	61.1
NOON-1PM	5065	0.0	OFF	5065	0	0.00	0	56.3	56.3	56.3
1-2 PM	5028	0.0	OFF	5028	0	0.00	0	56.5	56.5	56.5
2-3 PM	5116	0.0	OFF	5116	0	0.00	0	55.9	55.9	55.9
3-4 PM	5242	0.0	OFF	5242	0	0.00	0	55.0	55.0	55.0
4-5 PM	5260	0.0	OFF	5260	0	0.00	0	54.9	54.9	54.9
5-6 PM	4665	0.0	OFF	4665	0	0.00	0	59.0	59.0	59.0
6-7 PM	4023	0.0	OFF	4023	0	0.00	0	63.3	63.3	63.3
7-8 PM	3504	0.0	1499	1550	1954	16.46+	412	66.4	10.7	36.6
8-9 PM	2840	0.0	1499	1589	1251	14.33+	379	67.2	12.0	36.0
9-10 PM	2211	0.0	1499	1646	565	14.15+	362	68.0	12.2	34.3
10-11 PM	1520	0.0	1499	1520	0	13.79	333	68.9	12.5	30.8
11PM-MID	1008	0.0	1499	1008	0	2.86	106	69.5	35.7	38.4

"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	0.0357
MAIN ROUTE WITH WORKS	0.0326
'DIVERSION'	0.0049

PIA: Personal Injury Accidents

ROAD USER COSTS PER DAY	\$43,196
CONGESTED HOURS PER DAY*	3

*Delays Exceeding User-Specified Maximum

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SUNDAY EASTBOUND DIRECTION

