

IH 894: STH 59 TO HALE INTERCHANGE (MILWAUKEE COUNTY) CONTINUOUS (24 HOUR) 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	3000	1029	0	0.35	0	69.4	62.2	49.7
1-2 AM	580	0.0	3000	580	0	0.36	0	70.0	62.5	49.7
2-3 AM	463	0.0	3000	463	0	0.36	0	70.2	62.7	49.7
3-4 AM	316	0.0	3000	316	0	0.36	0	70.2	62.7	49.7
4-5 AM	322	0.0	3000	322	0	0.36	0	70.2	62.7	49.7
5-6 AM	605	0.0	3000	605	0	0.36	0	70.0	62.5	49.7
6-7 AM	1115	0.0	3000	1115	0	0.35	0	69.4	62.2	49.7
7-8 AM	1533	0.0	3000	1533	0	0.34	0	68.8	61.9	49.7
8-9 AM	2196	0.0	2999	2196	0	0.33	0	68.0	61.4	49.6
9-10 AM	3149	0.0	2999	3149	0	1.40	48	66.8	46.3	38.0
10-11 AM	4136	0.0	3000	3546	590	11.30+	644	62.6	15.1	37.3
11AM-NOON	4316	0.0	3000	3092	1224	15.75+	845	61.4	12.2	37.3
NOON-1PM	5019	0.0	2999	3000	2019	15.62+	857	56.6	12.2	37.3
1-2 PM	4655	0.0	3000	3016	1638	15.76+	855	59.1	12.2	37.3
2-3 PM	4583	0.0	3000	3005	1578	15.80+	855	59.6	12.2	37.3
3-4 PM	4600	0.0	3000	3001	1599	15.81+	856	59.4	12.2	37.3
4-5 PM	4507	0.0	3000	2995	1512	15.78+	852	60.1	12.2	37.3
5-6 PM	4174	0.0	3000	2989	1185	15.69+	839	62.3	12.3	37.3
6-7 PM	3893	0.0	3000	2999	894	15.73+	834	64.3	12.3	37.3
7-8 PM	3397	0.0	3000	2999	398	15.82+	833	66.5	12.3	37.3
8-9 PM	2789	0.0	2999	2789	0	14.56+	763	67.3	12.8	37.3
9-10 PM	2386	0.0	2999	2386	0	5.91	352	67.8	23.3	41.2
10-11 PM	1748	0.0	3000	1748	0	0.34	0	68.6	61.7	49.7
11PM-MID	1034	0.0	3000	1034	0	0.35	0	69.4	62.2	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

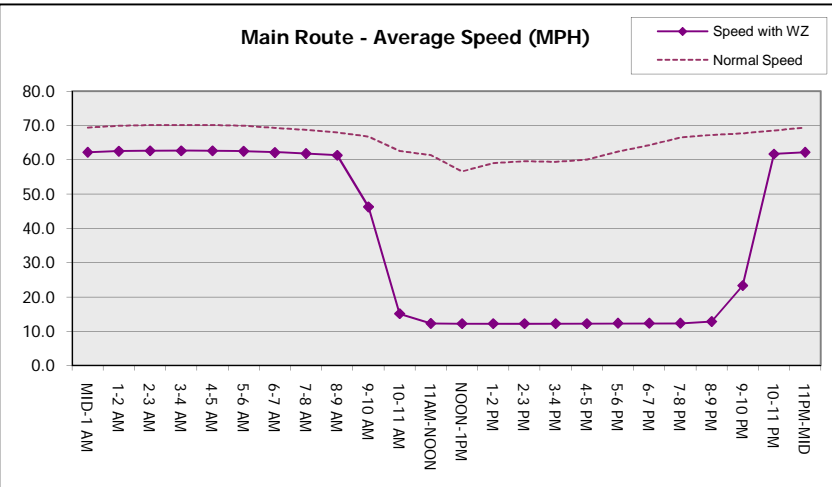
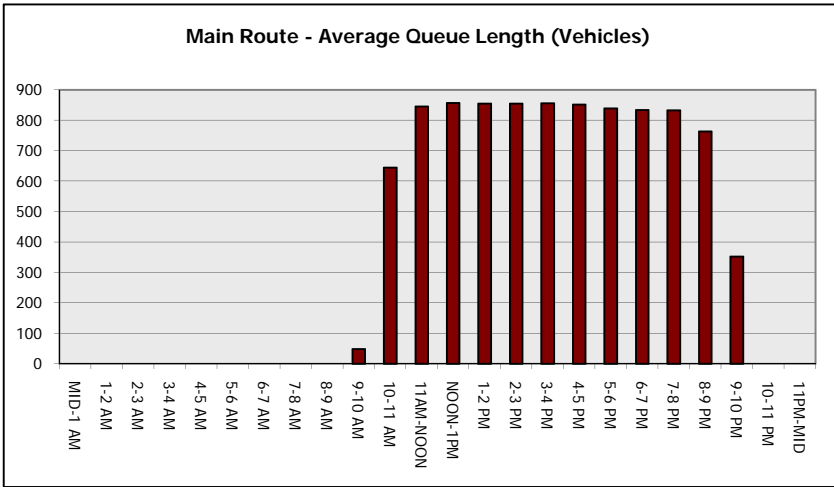
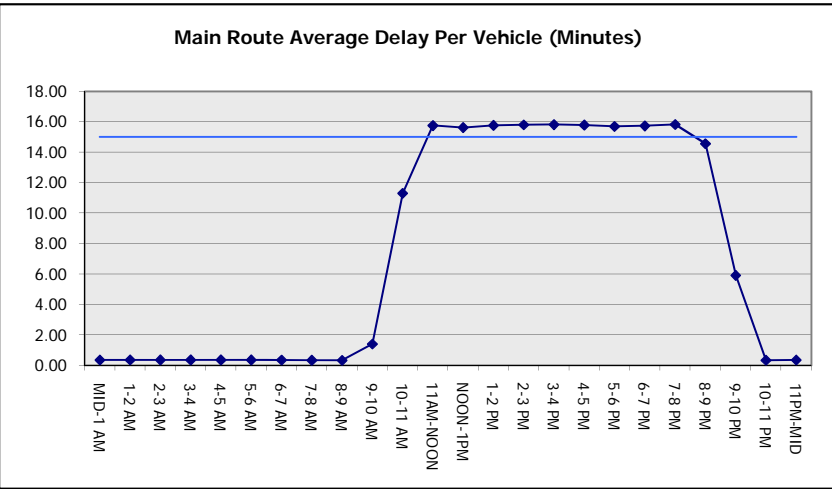
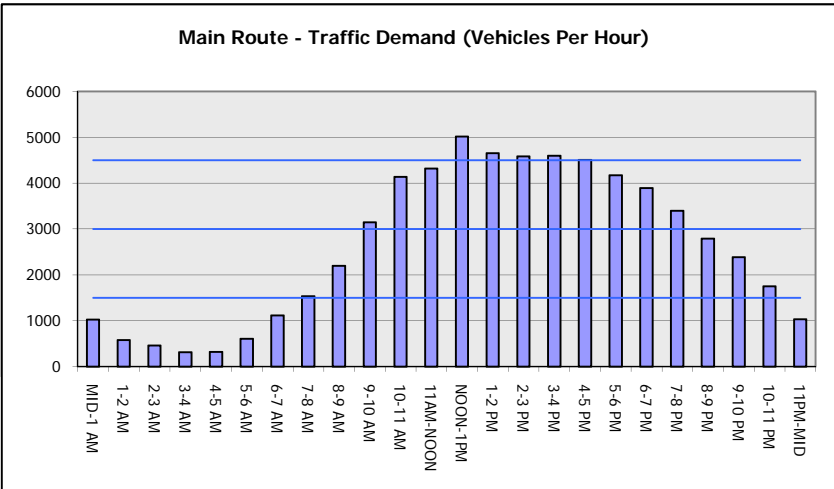
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0348
MAIN ROUTE WITH WORKS	0.0245
'DIVERSION'	0.0163
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$204,800
CONGESTED HOURS PER DAY*	11

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY WESTBOUND DIRECTION



IH 894: STH 59 TO HALE INTERCHANGE (MILWAUKEE COUNTY) CONTINUOUS (24 HOUR) CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	MAY
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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	3000	1044	0	0.35	0	69.4	62.2	49.7
1-2 AM	669	0.0	3000	669	0	0.36	0	69.9	62.5	49.7
2-3 AM	592	0.0	3000	592	0	0.36	0	70.0	62.5	49.7
3-4 AM	365	0.0	3000	365	0	0.36	0	70.2	62.7	49.7
4-5 AM	361	0.0	3000	361	0	0.36	0	70.2	62.7	49.7
5-6 AM	584	0.0	3000	584	0	0.36	0	70.0	62.5	49.7
6-7 AM	875	0.0	3000	875	0	0.35	0	69.7	62.3	49.7
7-8 AM	1374	0.0	3000	1374	0	0.34	0	69.1	62.0	49.7
8-9 AM	1903	0.0	2999	1903	0	0.34	0	68.4	61.6	49.7
9-10 AM	2784	0.0	2999	2784	0	0.59	0	67.3	56.5	41.3
10-11 AM	3691	0.0	3000	3691	0	5.02	300	65.6	25.5	37.3
11AM-NOON	4350	0.0	2999	3097	1253	15.73+	845	61.1	12.2	37.3
NOON-1PM	5065	0.0	3000	3010	2055	15.58+	856	56.3	12.2	37.3
1-2 PM	5028	0.0	3000	3002	2026	15.62+	857	56.5	12.2	37.3
2-3 PM	5116	0.0	3000	3000	2116	15.57+	857	55.9	12.2	37.3
3-4 PM	5242	0.0	3000	3000	2242	15.51+	857	55.0	12.2	37.3
4-5 PM	5260	0.0	3000	3000	2260	15.50+	857	54.9	12.2	37.3
5-6 PM	4665	0.0	3000	3040	1625	15.70+	852	59.0	12.2	37.3
6-7 PM	4023	0.0	3000	2995	1028	15.71+	836	63.3	12.3	37.3
7-8 PM	3504	0.0	3000	2999	505	15.82+	833	66.4	12.3	37.3
8-9 PM	2840	0.0	2999	2827	13	15.00+	787	67.2	12.6	37.3
9-10 PM	2211	0.0	2999	2211	0	4.32	320	68.0	28.3	43.8
10-11 PM	1520	0.0	3000	1520	0	0.34	0	68.9	61.9	49.7
11PM-MID	1008	0.0	3000	1008	0	0.35	0	69.5	62.2	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	0.0357
MAIN ROUTE WITH WORKS	0.0240
'DIVERSION'	0.0195

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$207,636
CONGESTED HOURS PER DAY*	10

*Delays Exceeding User-Specified Maximum

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SUNDAY EASTBOUND DIRECTION

