

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

SATURDAY 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	1062	0.0	3000	1062	0	0.35	0	69.4	62.2	49.7
1-2 AM	681	0.0	3000	681	0	0.36	0	69.9	62.5	49.7
2-3 AM	535	0.0	3000	535	0	0.36	0	70.0	62.6	49.7
3-4 AM	499	0.0	3000	499	0	0.36	0	70.1	62.6	49.7
4-5 AM	629	0.0	3000	629	0	0.36	0	69.9	62.5	49.7
5-6 AM	1259	0.0	3000	1259	0	0.35	0	69.2	62.1	49.7
6-7 AM	2192	0.0	2999	2192	0	0.34	0	68.0	61.2	49.2
7-8 AM	3074	0.0	2999	3074	0	1.22	35	66.9	48.2	38.4
8-9 AM	3900	0.0	3000	3834	66	9.21+	538	64.2	17.4	37.3
9-10 AM	4479	0.0	3000	2907	1572	15.73+	849	60.2	12.2	37.3
10-11 AM	4856	0.0	2999	2993	1863	15.69+	856	57.7	12.2	37.3
11AM-NOON	5100	0.0	3000	3000	2100	15.58+	857	56.0	12.2	37.3
NOON-1PM	5044	0.0	3000	3000	2044	15.61+	857	56.4	12.2	37.3
1-2 PM	4832	0.0	3000	2999	1833	15.72+	857	57.8	12.2	37.3
2-3 PM	4859	0.0	2999	3000	1859	15.71+	857	57.7	12.2	37.3
3-4 PM	4995	0.0	3000	3000	1995	15.64+	857	56.8	12.2	37.3
4-5 PM	4873	0.0	3000	3000	1873	15.70+	857	57.6	12.2	37.3
5-6 PM	4458	0.0	2999	2973	1485	15.77+	850	60.4	12.2	37.3
6-7 PM	3896	0.0	3000	2994	902	15.74+	835	64.2	12.3	37.3
7-8 PM	3097	0.0	3000	2967	131	15.76+	828	66.9	12.4	37.3
8-9 PM	2711	0.0	2999	2711	0	13.01+	681	67.4	13.5	37.3
9-10 PM	2615	0.0	3000	2615	0	6.65	349	67.5	21.5	38.4
10-11 PM	2042	0.0	3000	2042	0	0.49	11	68.2	58.9	49.7
11PM-MID	1486	0.0	3000	1486	0	0.34	0	68.9	61.9	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

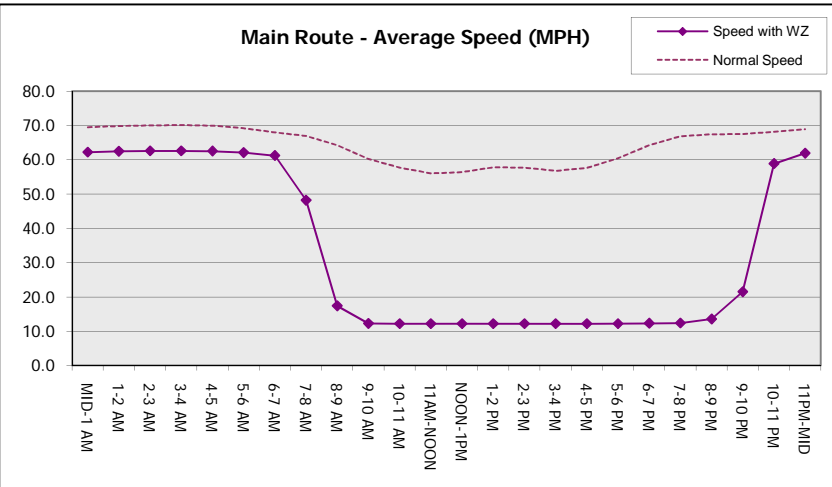
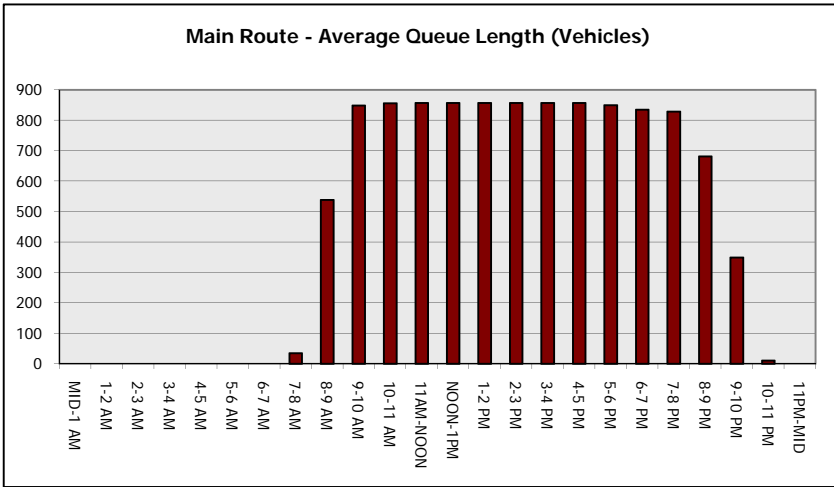
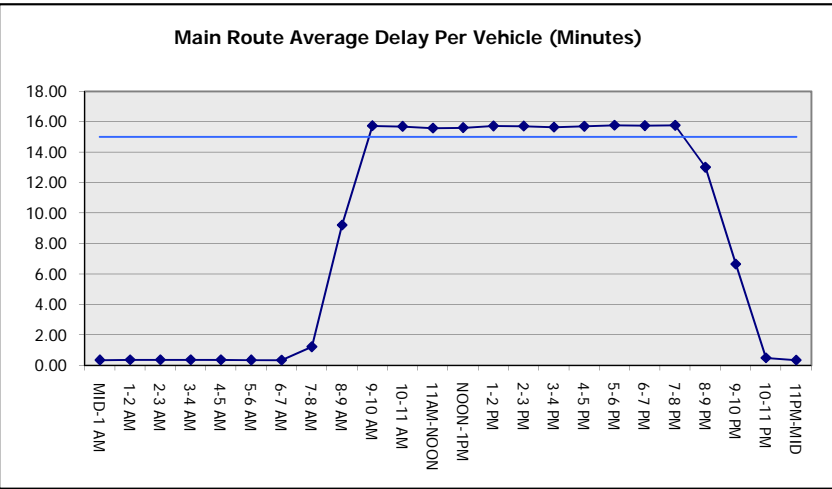
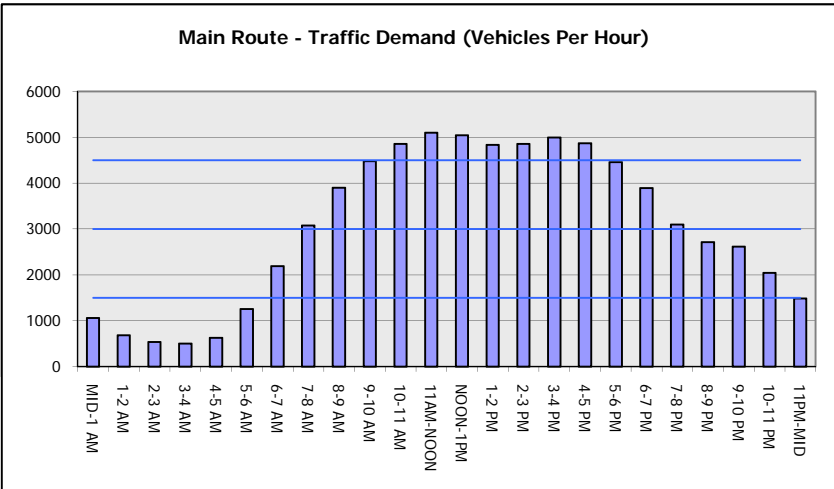
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0407
MAIN ROUTE WITH WORKS	0.0272
'DIVERSION'	0.0229
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$248,103
CONGESTED HOURS PER DAY*	13

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SATURDAY 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

SATURDAY 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	1121	0.0	3000	1121	0	0.35	0	69.4	62.2	49.7
1-2 AM	721	0.0	3000	721	0	0.36	0	69.9	62.5	49.7
2-3 AM	588	0.0	3000	588	0	0.36	0	70.0	62.5	49.7
3-4 AM	443	0.0	3000	443	0	0.36	0	70.2	62.7	49.7
4-5 AM	582	0.0	3000	582	0	0.36	0	70.0	62.5	49.7
5-6 AM	1010	0.0	3000	1010	0	0.35	0	69.5	62.2	49.7
6-7 AM	1452	0.0	3000	1452	0	0.34	0	68.9	61.9	49.7
7-8 AM	2351	0.0	2999	2351	0	0.38	0	67.8	60.4	47.6
8-9 AM	3048	0.0	2999	3048	0	1.09	25	66.9	49.6	38.1
9-10 AM	3599	0.0	3000	3599	0	6.56	366	66.3	21.5	37.3
10-11 AM	4167	0.0	2999	3117	1050	15.76+	843	62.4	12.2	37.3
11AM-NOON	4643	0.0	3000	3025	1617	15.75+	854	59.1	12.2	37.3
NOON-1PM	5006	0.0	3000	3000	2006	15.63+	857	56.6	12.2	37.3
1-2 PM	4864	0.0	3000	3000	1864	15.70+	857	57.6	12.2	37.3
2-3 PM	4955	0.0	3000	3000	1955	15.66+	857	57.0	12.2	37.3
3-4 PM	4846	0.0	3000	3000	1846	15.71+	857	57.8	12.2	37.3
4-5 PM	4760	0.0	3000	3003	1757	15.75+	857	58.3	12.2	37.3
5-6 PM	4283	0.0	3000	2995	1289	15.71+	843	61.6	12.2	37.3
6-7 PM	3771	0.0	3000	2999	772	15.77+	834	65.1	12.3	37.3
7-8 PM	3015	0.0	3000	2949	66	15.66+	822	67.0	12.4	37.3
8-9 PM	2842	0.0	2999	2842	0	13.71+	716	67.2	13.2	37.3
9-10 PM	2792	0.0	3000	2792	0	10.60	548	67.3	15.3	37.3
10-11 PM	2139	0.0	2999	2139	0	1.73	124	68.1	43.7	46.7
11PM-MID	1592	0.0	3000	1592	0	0.34	0	68.7	61.9	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	0.0382
MAIN ROUTE WITH WORKS	0.0267
'DIVERSION'	0.0183

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$223,067
CONGESTED HOURS PER DAY*	11

*Delays Exceeding User-Specified Maximum

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SATURDAY EASTBOUND DIRECTION

