

IH 43: SILVER SPRING DR TO STH 190 (MILWAUKEE COUNTY) CONTINUOUS (24 HOUR) 2 LANE CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	MAY
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

SATURDAY 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	649	0.0	1500	649	0	0.56	0	69.9	58.7	43.0	
1-2 AM	350	0.0	1500	350	0	0.52	0	70.2	59.6	44.1	
2-3 AM	285	0.0	1500	285	0	0.51	0	70.2	59.7	44.3	
3-4 AM	290	0.0	1500	290	0	0.51	0	70.2	59.7	44.3	
4-5 AM	398	0.0	1500	398	0	0.52	0	70.2	59.5	43.9	
5-6 AM	634	0.0	1500	634	0	0.55	0	69.9	58.9	43.0	
6-7 AM	1133	0.0	1499	1133	0	0.69	0	69.3	56.1	38.9	
7-8 AM	1767	0.0	1499	1767	0	3.83	95	68.6	29.9	30.8	
8-9 AM	2373	0.0	1499	1612	761	15.91+	390	67.8	10.7	30.8	
9-10 AM	1876	0.0	1500	1500	376	16.36+	400	68.4	10.6	30.8	
10-11 AM	2078	0.0	1500	1500	578	16.35+	400	68.1	10.6	30.8	
11AM-NOON	2505	0.0	1500	1500	1005	16.32+	400	67.6	10.6	30.8	
NOON-1PM	3401	0.0	1500	1500	1901	16.27+	400	66.5	10.6	30.8	
1-2 PM	3301	0.0	1500	1500	1801	16.28+	400	66.6	10.6	30.8	
2-3 PM	3539	0.0	1500	1500	2039	16.26+	400	66.3	10.6	30.8	
3-4 PM	3447	0.0	1500	1500	1947	16.27+	400	66.4	10.6	30.8	
4-5 PM	3513	0.0	1500	1500	2013	16.27+	400	66.4	10.6	30.8	
5-6 PM	3328	0.0	1500	1500	1828	16.28+	400	66.6	10.6	30.8	
6-7 PM	3161	0.0	1500	1500	1661	16.29+	400	66.8	10.6	30.8	
7-8 PM	1956	0.0	1500	1500	456	16.35+	400	68.3	10.6	30.8	
8-9 PM	1303	0.0	1499	1303	0	11.66	284	69.1	14.0	30.8	
9-10 PM	1846	0.0	1500	1697	149	13.00+	324	68.4	12.7	30.8	
10-11 PM	1635	0.0	1499	1522	113	16.18+	395	68.7	10.6	30.8	
11PM-MID	1117	0.0	1499	1117	0	8.47	240	69.4	17.9	34.5	

+ INDICATES QUEUEING EXCEEDS USER-SPECIFIED MAXIMUM LIMIT

----- SITE BREAKDOWN DELAYS -----	
BREAKDOWN DURATION (MINS)	0
RANGE OF QUEUE DELAY - MIN	0.0
(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	0
(VEH-H) MAX	0
AV BREAKDOWNS PER DAY	0
AV QUEUE DELAY/DAY (VEH-H)	0
AV TOTAL DELAY/DAY (VEH-H)	0

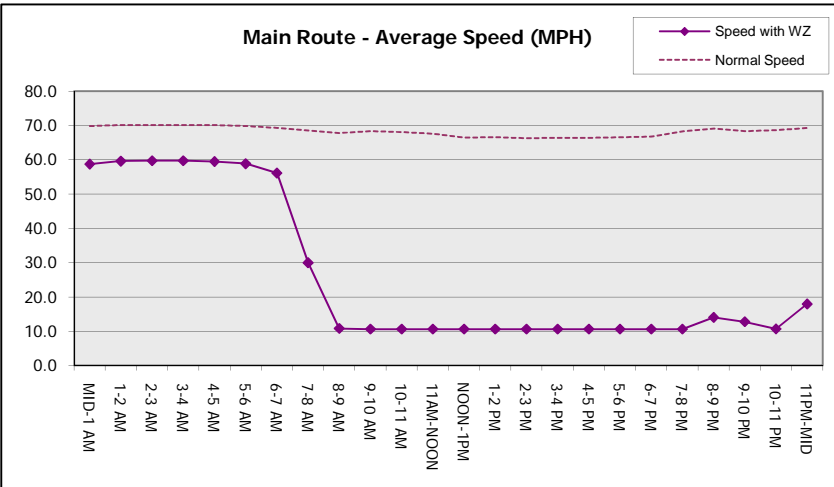
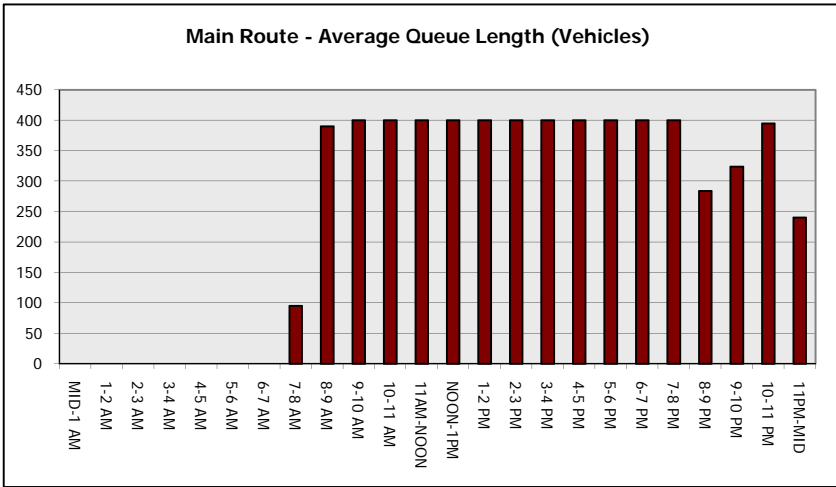
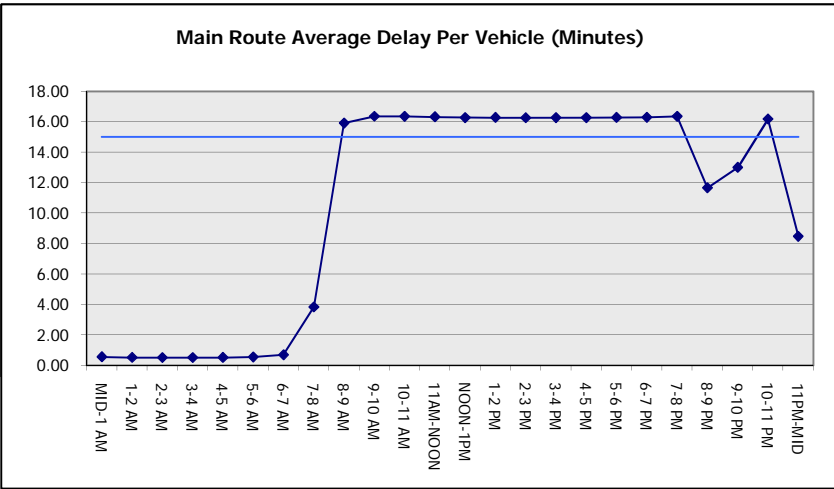
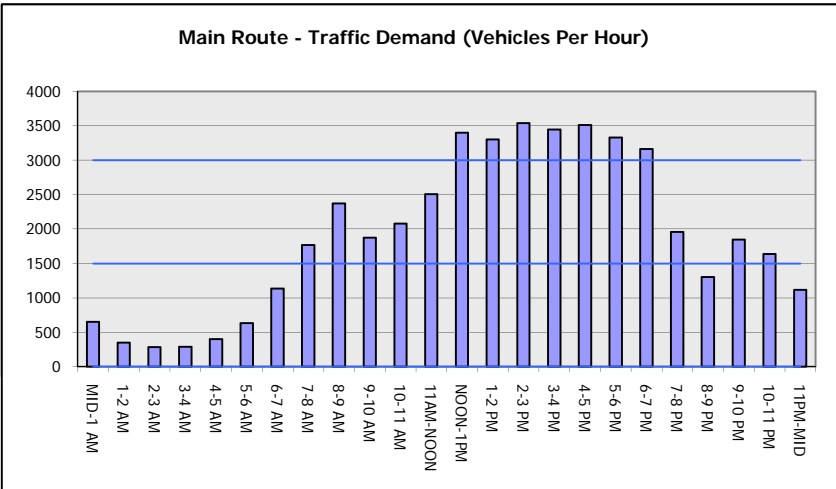
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0248
MAIN ROUTE WITH WORKS	0.0139
'DIVERSION'	0.0208
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$177,066
CONGESTED HOURS PER DAY*	14

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SATURDAY SOUTHBOUND DIRECTION



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SUMMARY OF TRAFFIC MODEL OUTPUT

SATURDAY 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	1015	0.0	1499	1015	0	3.20	120	69.5	33.2	37.7	
1-2 AM	700	0.0	1500	700	0	0.55	0	69.9	58.7	42.8	
2-3 AM	618	0.0	1500	618	0	0.55	0	70.0	58.9	43.0	
3-4 AM	398	0.0	1500	398	0	0.52	0	70.2	59.5	43.9	
4-5 AM	386	0.0	1500	386	0	0.52	0	70.2	59.5	44.0	
5-6 AM	706	0.0	1500	706	0	0.56	0	69.9	58.7	42.7	
6-7 AM	1174	0.0	1499	1174	0	0.72	0	69.3	55.6	38.3	
7-8 AM	1866	0.0	1499	1866	0	5.37	146	68.4	24.4	30.8	
8-9 AM	2334	0.0	1499	1500	834	16.33+	399	67.8	10.6	30.8	
9-10 AM	1847	0.0	1500	1500	347	16.36+	400	68.4	10.6	30.8	
10-11 AM	1969	0.0	1499	1500	469	16.35+	400	68.3	10.6	30.8	
11AM-NOON	2469	0.0	1500	1500	969	16.32+	400	67.7	10.6	30.8	
NOON-1PM	3497	0.0	1500	1500	1997	16.27+	400	66.4	10.6	30.8	
1-2 PM	3368	0.0	1500	1500	1868	16.27+	400	66.6	10.6	30.8	
2-3 PM	3373	0.0	1500	1500	1873	16.27+	400	66.6	10.6	30.8	
3-4 PM	3418	0.0	1500	1500	1918	16.27+	400	66.5	10.6	30.8	
4-5 PM	3129	0.0	1500	1500	1629	16.29+	400	66.8	10.6	30.8	
5-6 PM	2934	0.0	1500	1500	1434	16.30+	400	67.1	10.6	30.8	
6-7 PM	2639	0.0	1500	1500	1139	16.31+	400	67.4	10.6	30.8	
7-8 PM	1662	0.0	1500	1507	156	15.77+	384	68.7	10.9	30.8	
8-9 PM	1445	0.0	1499	1445	0	13.56	326	68.9	12.4	30.8	
9-10 PM	2263	0.0	1499	1516	747	16.27+	398	67.9	10.6	30.8	
10-11 PM	1991	0.0	1500	1545	446	16.15+	395	68.2	10.7	30.8	
11PM-MID	1440	0.0	1500	1435	5	15.44+	376	68.9	11.1	30.8	

+ 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	0.0252
MAIN ROUTE WITH WORKS	0.0146
'DIVERSION'	0.0198

PIA: Personal Injury Accidents

ROAD USER COSTS PER DAY	\$180,533
CONGESTED HOURS PER DAY*	15

*Delays Exceeding User-Specified Maximum

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