

IH 43: SILVER SPRING DR TO STH 190 (MILWAUKEE COUNTY) NIGHTTIME 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	OFF	2373	0	0.11	9	67.8	65.3	65.3	
9-10 AM	1876	0.0	OFF	1876	0	0.00	0	68.4	68.4	68.4	
10-11 AM	2078	0.0	OFF	2078	0	0.00	0	68.1	68.1	68.1	
11AM-NOON	2505	0.0	OFF	2505	0	0.00	0	67.6	67.6	67.6	
NOON-1PM	3401	0.0	OFF	3401	0	0.00	0	66.5	66.5	66.5	
1-2 PM	3301	0.0	OFF	3301	0	0.00	0	66.6	66.6	66.6	
2-3 PM	3539	0.0	OFF	3539	0	0.00	0	66.3	66.3	66.3	
3-4 PM	3447	0.0	OFF	3447	0	0.00	0	66.4	66.4	66.4	
4-5 PM	3513	0.0	OFF	3513	0	0.00	0	66.4	66.4	66.4	
5-6 PM	3328	0.0	OFF	3328	0	0.00	0	66.6	66.6	66.6	
6-7 PM	3161	0.0	1499	1550	1611	16.48+	412	66.8	10.4	36.6	
7-8 PM	1956	0.0	1499	1844	112	11.94+	311	68.3	13.7	30.8	
8-9 PM	1303	0.0	1499	1303	0	12.24	299	69.1	13.4	30.8	
9-10 PM	1846	0.0	1500	1663	183	13.48+	335	68.4	12.4	30.8	
10-11 PM	1635	0.0	1500	1543	92	16.17+	394	68.7	10.7	30.8	
11PM-MID	1117	0.0	1499	1117	0	8.56	242	69.4	17.7	34.5	

"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	0.0248
MAIN ROUTE WITH WORKS	0.0228
'DIVERSION'	0.0025
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$41,561
CONGESTED HOURS PER DAY*	4

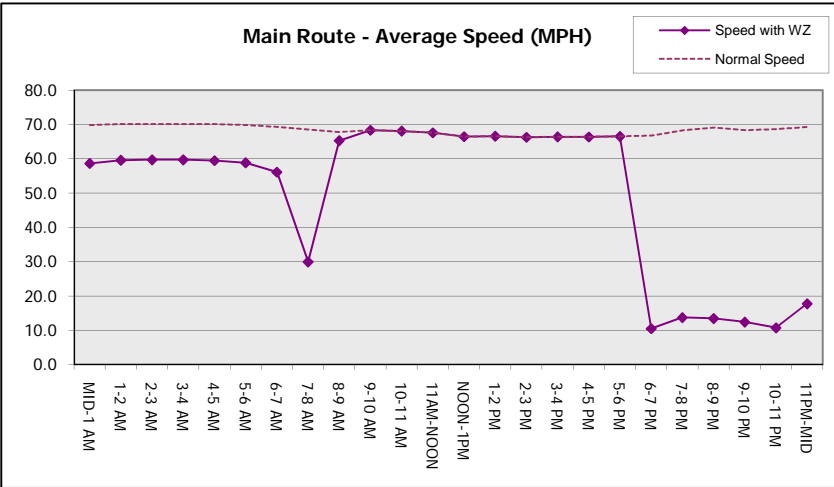
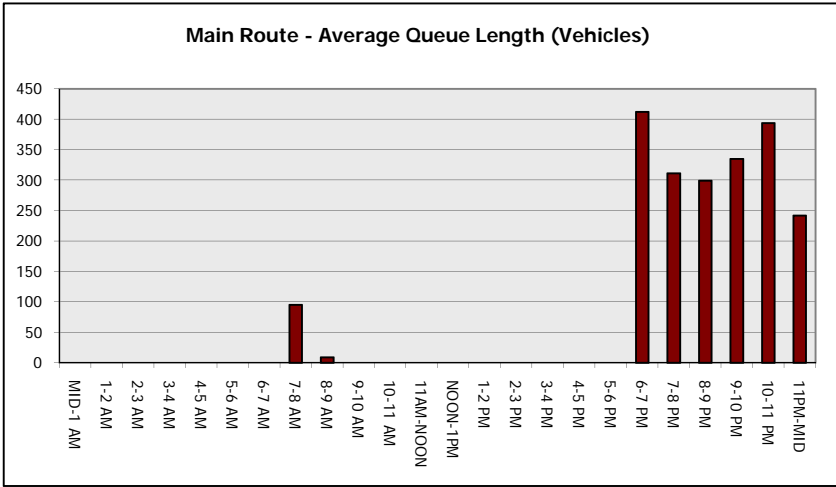
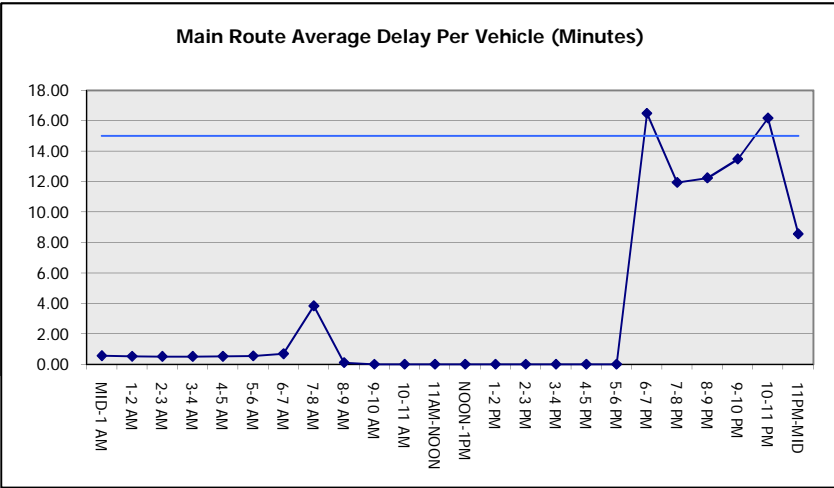
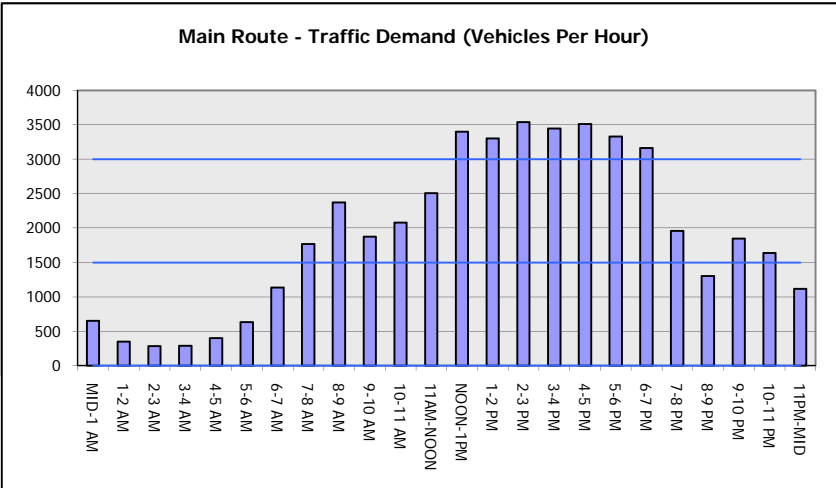
*Delays Exceeding User-Specified Maximum

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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	3.04	113	69.5	34.1	37.8
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	OFF	2334	0	0.20	18	67.8	63.5	63.5
9-10 AM	1847	0.0	OFF	1847	0	0.00	0	68.4	68.4	68.4
10-11 AM	1969	0.0	OFF	1969	0	0.00	0	68.3	68.3	68.3
11AM-NOON	2469	0.0	OFF	2469	0	0.00	0	67.7	67.7	67.7
NOON-1PM	3497	0.0	OFF	3497	0	0.00	0	66.4	66.4	66.4
1-2 PM	3368	0.0	OFF	3368	0	0.00	0	66.6	66.6	66.6
2-3 PM	3373	0.0	OFF	3373	0	0.00	0	66.6	66.6	66.6
3-4 PM	3418	0.0	OFF	3418	0	0.00	0	66.5	66.5	66.5
4-5 PM	3129	0.0	OFF	3129	0	0.00	0	66.8	66.8	66.8
5-6 PM	2934	0.0	OFF	2934	0	0.00	0	67.1	67.1	67.1
6-7 PM	2639	0.0	1499	1717	923	13.80+	347	67.4	12.1	35.5
7-8 PM	1662	0.0	1499	1662	0	13.68	335	68.7	12.2	30.8
8-9 PM	1445	0.0	1499	1445	0	13.79	333	68.9	12.2	30.8
9-10 PM	2263	0.0	1499	1501	762	16.29+	399	67.9	10.6	31.4
10-11 PM	1991	0.0	1500	1539	452	16.18+	395	68.2	10.6	30.8
11PM-MID	1440	0.0	1500	1440	0	15.00+	364	68.9	11.4	30.8

"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	0.0252
MAIN ROUTE WITH WORKS	0.0230
'DIVERSION'	0.0027

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$47,794
CONGESTED HOURS PER DAY*	4

*Delays Exceeding User-Specified Maximum

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SATURDAY NORTHBOUND DIRECTION

