

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

SUMMARY OF TRAFFIC MODEL OUTPUT

SUNDAY 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	633	0.0	OFF	633	0	0.00	0	69.9	69.9	69.9
1-2 AM	349	0.0	OFF	349	0	0.00	0	70.2	70.2	70.2
2-3 AM	269	0.0	OFF	269	0	0.00	0	70.2	70.2	70.2
3-4 AM	185	0.0	OFF	185	0	0.00	0	70.2	70.2	70.2
4-5 AM	194	0.0	OFF	194	0	0.00	0	70.2	70.2	70.2
5-6 AM	382	0.0	OFF	382	0	0.00	0	70.2	70.2	70.2
6-7 AM	644	0.0	OFF	644	0	0.00	0	69.9	69.9	69.9
7-8 AM	986	0.0	OFF	986	0	0.00	0	69.5	69.5	69.5
8-9 AM	1586	0.0	OFF	1586	0	0.00	0	68.7	68.7	68.7
9-10 AM	2265	0.0	1499	1808	456	10.12+	277	67.9	15.5	31.7
10-11 AM	2771	0.0	1500	1500	1271	16.20+	400	67.3	10.6	32.5
11AM-NOON	3433	0.0	1500	1500	1933	16.17+	400	66.4	10.6	32.5
NOON-1PM	3667	0.0	1500	1500	2167	16.14+	400	65.8	10.6	32.5
1-2 PM	3489	0.0	1500	1500	1989	16.16+	400	66.4	10.6	32.5
2-3 PM	3503	0.0	1500	1500	2003	16.16+	400	66.4	10.6	32.5
3-4 PM	3422	0.0	1500	1500	1922	16.17+	400	66.5	10.6	32.5
4-5 PM	3419	0.0	1500	1500	1919	16.17+	400	66.5	10.6	32.5
5-6 PM	3169	0.0	1500	1500	1669	16.18+	400	66.8	10.6	32.5
6-7 PM	2790	0.0	1500	1500	1290	16.20+	400	67.3	10.6	32.5
7-8 PM	2453	0.0	OFF	2453	0	0.15	13	67.7	64.5	64.5
8-9 PM	1994	0.0	OFF	1994	0	0.00	0	68.2	68.2	68.2
9-10 PM	1490	0.0	OFF	1490	0	0.00	0	68.9	68.9	68.9
10-11 PM	991	0.0	OFF	991	0	0.00	0	69.5	69.5	69.5
11PM-MID	475	0.0	OFF	475	0	0.00	0	70.2	70.2	70.2

"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

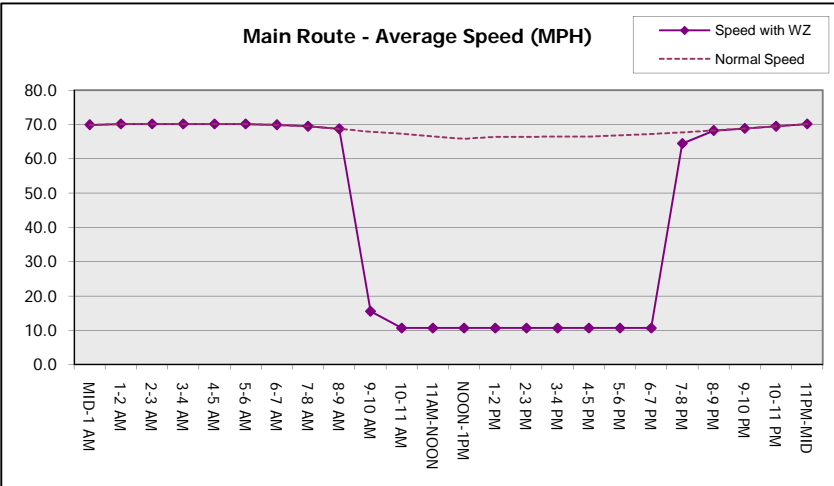
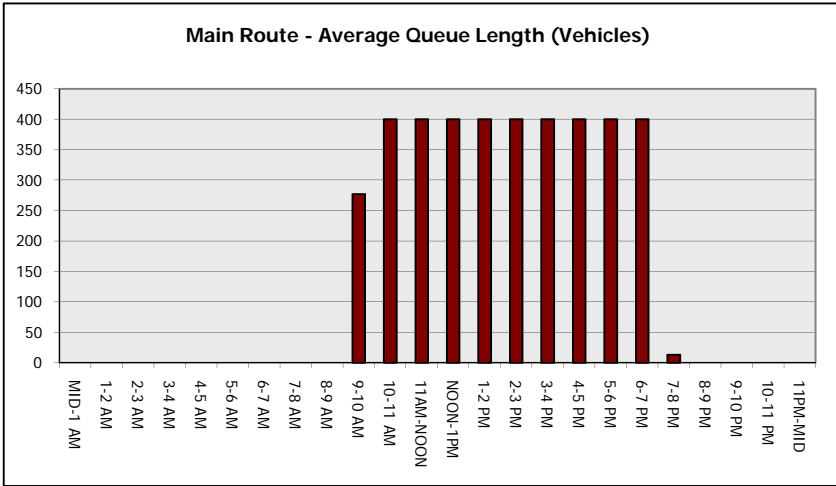
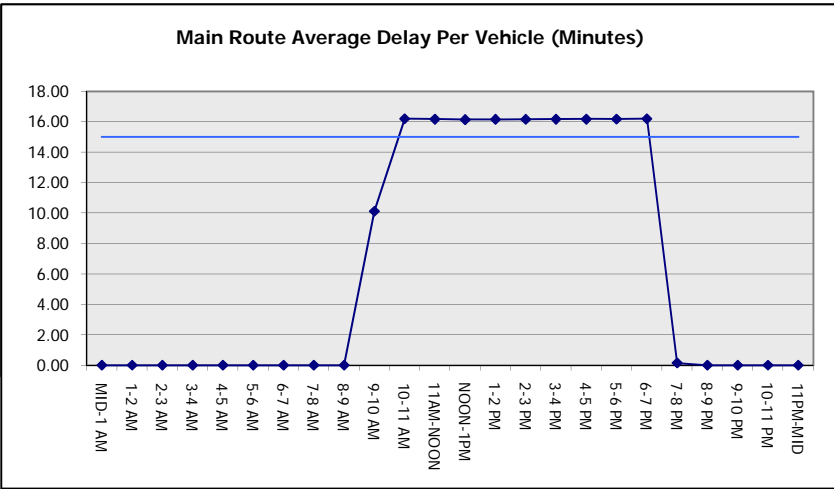
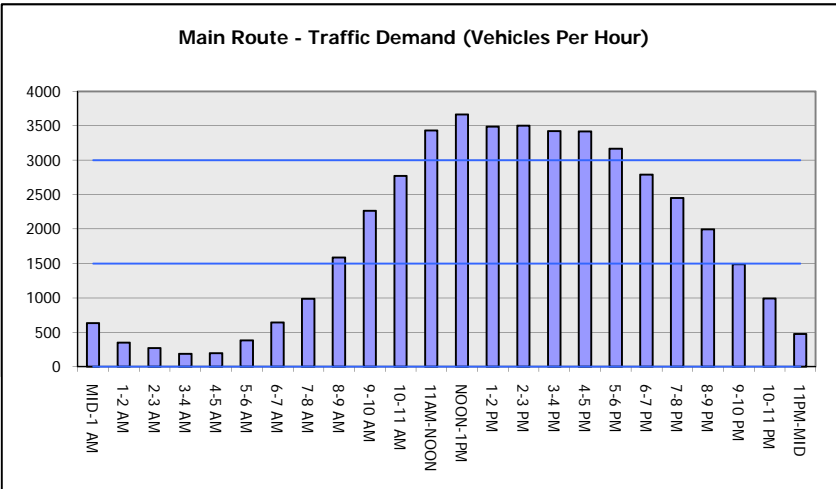
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0241
MAIN ROUTE WITH WORKS	0.0141
'DIVERSION'	0.0208
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$139,577
CONGESTED HOURS PER DAY*	10

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY SOUTHBOUND DIRECTION



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SUMMARY OF TRAFFIC MODEL OUTPUT

SUNDAY 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	956	0.0	OFF	956	0	0.00	0	69.6	69.6	69.6
1-2 AM	706	0.0	OFF	706	0	0.00	0	69.9	69.9	69.9
2-3 AM	740	0.0	OFF	740	0	0.00	0	69.8	69.8	69.8
3-4 AM	373	0.0	OFF	373	0	0.00	0	70.2	70.2	70.2
4-5 AM	291	0.0	OFF	291	0	0.00	0	70.2	70.2	70.2
5-6 AM	366	0.0	OFF	366	0	0.00	0	70.2	70.2	70.2
6-7 AM	576	0.0	OFF	576	0	0.00	0	70.0	70.0	70.0
7-8 AM	850	0.0	OFF	850	0	0.00	0	69.7	69.7	69.7
8-9 AM	1240	0.0	OFF	1240	0	0.00	0	69.2	69.2	69.2
9-10 AM	1857	0.0	1499	1857	0	5.45	147	68.4	24.2	30.8
10-11 AM	2239	0.0	1499	1500	739	16.34+	399	67.9	10.6	30.8
11AM-NOON	2798	0.0	1500	1500	1298	16.31+	400	67.3	10.6	30.8
NOON-1PM	2968	0.0	1500	1500	1468	16.30+	400	67.1	10.6	30.8
1-2 PM	3235	0.0	1500	1500	1735	16.28+	400	66.7	10.6	30.8
2-3 PM	3135	0.0	1500	1500	1635	16.29+	400	66.8	10.6	30.8
3-4 PM	3260	0.0	1500	1500	1760	16.28+	400	66.7	10.6	30.8
4-5 PM	3738	0.0	1500	1500	2238	16.22+	400	65.3	10.6	30.8
5-6 PM	3316	0.0	1500	1500	1816	16.28+	400	66.6	10.6	30.8
6-7 PM	2533	0.0	1500	1500	1033	16.32+	400	67.6	10.6	30.8
7-8 PM	2305	0.0	OFF	2305	0	0.19	17	67.9	63.8	63.8
8-9 PM	1898	0.0	OFF	1898	0	0.00	0	68.4	68.4	68.4
9-10 PM	1557	0.0	OFF	1557	0	0.00	0	68.8	68.8	68.8
10-11 PM	1130	0.0	OFF	1130	0	0.00	0	69.3	69.3	69.3
11PM-MID	667	0.0	OFF	667	0	0.00	0	69.9	69.9	69.9

"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	0.0231
MAIN ROUTE WITH WORKS	0.0147
'DIVERSION'	0.0172

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$125,968
CONGESTED HOURS PER DAY*	9

*Delays Exceeding User-Specified Maximum

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