

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

SUMMARY OF TRAFFIC MODEL OUTPUT

MON-THUR 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	451	0.0	OFF	451	0	0.00	0	70.2	70.2	70.2	
1-2 AM	262	0.0	OFF	262	0	0.00	0	70.2	70.2	70.2	
2-3 AM	202	0.0	OFF	202	0	0.00	0	70.2	70.2	70.2	
3-4 AM	234	0.0	OFF	234	0	0.00	0	70.2	70.2	70.2	
4-5 AM	581	0.0	OFF	581	0	0.00	0	70.0	70.0	70.0	
5-6 AM	1517	0.0	OFF	1517	0	0.00	0	68.9	68.9	68.9	
6-7 AM	3693	0.0	OFF	3693	0	0.00	0	65.6	65.6	65.6	
7-8 AM	5438	0.0	OFF	5438	0	0.00	0	53.7	53.7	53.7	
8-9 AM	4759	0.0	OFF	4759	0	0.00	0	58.4	58.4	58.4	
9-10 AM	3602	0.0	OFF	3602	0	0.00	0	66.3	66.3	66.3	
10-11 AM	3255	0.0	1499	1550	1705	16.48+	412	66.7	10.4	36.6	
11AM-NOON	3465	0.0	1499	1650	1815	14.38+	378	66.4	11.7	35.9	
NOON-1PM	3496	0.0	1499	1631	1864	15.88+	391	66.4	10.7	30.9	
1-2 PM	3370	0.0	1500	1500	1870	16.26+	400	66.6	10.6	31.1	
2-3 PM	4054	0.0	1500	1500	2554	16.09+	400	63.2	10.6	31.1	
3-4 PM	4304	0.0	OFF	4304	0	0.45	32	61.5	54.1	54.1	
4-5 PM	4454	0.0	OFF	4454	0	0.00	0	60.4	60.4	60.4	
5-6 PM	4530	0.0	OFF	4530	0	0.00	0	59.9	59.9	59.9	
6-7 PM	3477	0.0	OFF	3477	0	0.00	0	66.4	66.4	66.4	
7-8 PM	2376	0.0	OFF	2376	0	0.00	0	67.8	67.8	67.8	
8-9 PM	2068	0.0	OFF	2068	0	0.00	0	68.2	68.2	68.2	
9-10 PM	1781	0.0	OFF	1781	0	0.00	0	68.5	68.5	68.5	
10-11 PM	1323	0.0	OFF	1323	0	0.00	0	69.1	69.1	69.1	
11PM-MID	868	0.0	OFF	868	0	0.00	0	69.7	69.7	69.7	

"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

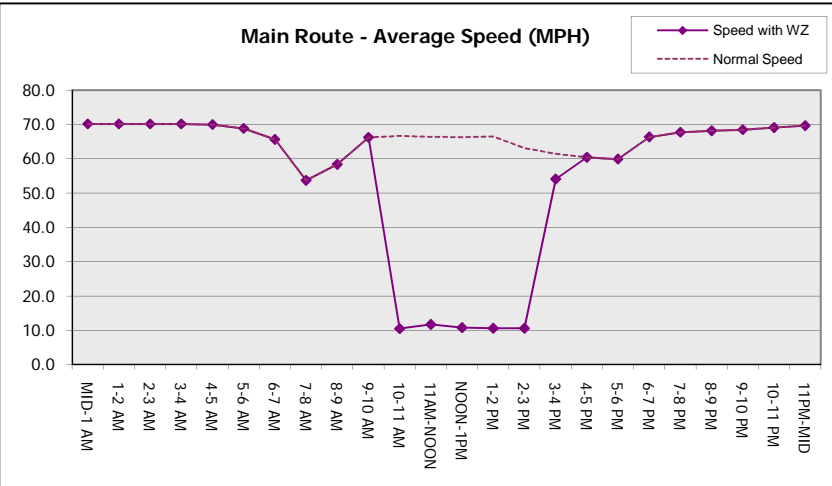
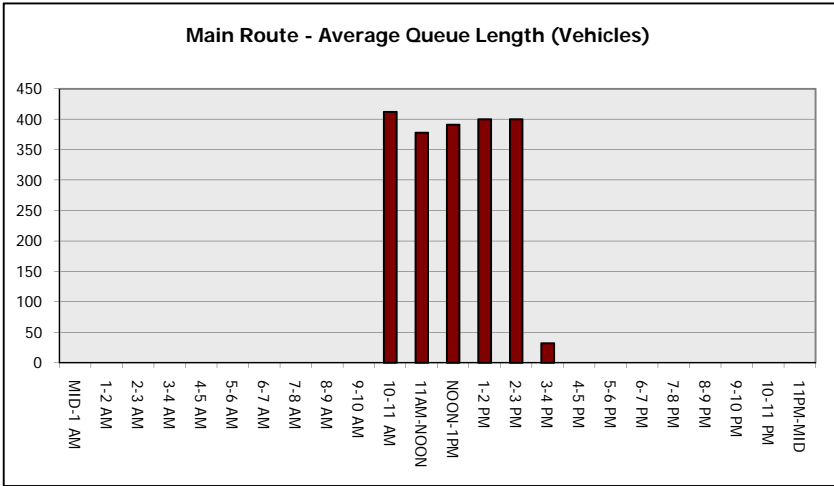
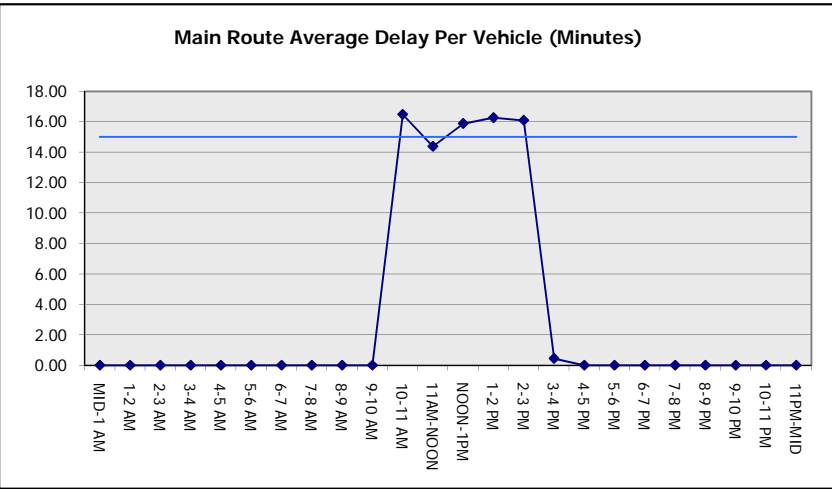
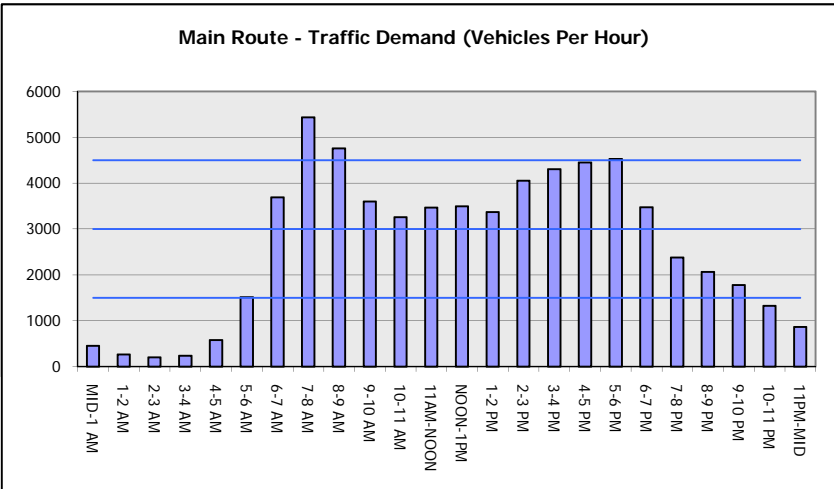
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0344
MAIN ROUTE WITH WORKS	0.0286
'DIVERSION'	0.0123
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$61,365
CONGESTED HOURS PER DAY*	5

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
MON-THUR SOUTHBOUND DIRECTION



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SUMMARY OF TRAFFIC MODEL OUTPUT

MON-THUR 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	736	0.0	OFF	736	0	0.00	0	69.8	69.8	69.8
1-2 AM	430	0.0	OFF	430	0	0.00	0	70.2	70.2	70.2
2-3 AM	324	0.0	OFF	324	0	0.00	0	70.2	70.2	70.2
3-4 AM	329	0.0	OFF	329	0	0.00	0	70.2	70.2	70.2
4-5 AM	505	0.0	OFF	505	0	0.00	0	70.1	70.1	70.1
5-6 AM	1591	0.0	OFF	1591	0	0.00	0	68.7	68.7	68.7
6-7 AM	3390	0.0	OFF	3390	0	0.00	0	66.5	66.5	66.5
7-8 AM	4562	0.0	OFF	4562	0	0.00	0	59.7	59.7	59.7
8-9 AM	4037	0.0	OFF	4037	0	0.00	0	63.3	63.3	63.3
9-10 AM	3158	0.0	OFF	3158	0	0.00	0	66.8	66.8	66.8
10-11 AM	3063	0.0	1499	1528	1536	15.86+	395	66.9	10.8	36.6
11AM-NOON	3220	0.0	1499	1542	1678	15.01+	391	66.8	11.3	36.4
NOON-1PM	3377	0.0	1499	1721	1656	14.35+	374	66.5	11.7	35.5
1-2 PM	3448	0.0	1499	1500	1949	16.10+	399	66.4	10.6	33.7
2-3 PM	3977	0.0	1500	1500	2477	15.97+	400	63.7	10.6	33.7
3-4 PM	4593	0.0	OFF	4593	0	0.42	30	59.5	53.0	53.0
4-5 PM	5343	0.0	OFF	5343	0	0.00	0	54.3	54.3	54.3
5-6 PM	5489	0.0	OFF	5489	0	0.00	0	53.3	53.3	53.3
6-7 PM	3605	0.0	OFF	3605	0	0.00	0	66.2	66.2	66.2
7-8 PM	2566	0.0	OFF	2566	0	0.00	0	67.6	67.6	67.6
8-9 PM	2287	0.0	OFF	2287	0	0.00	0	67.9	67.9	67.9
9-10 PM	2147	0.0	OFF	2147	0	0.00	0	68.1	68.1	68.1
10-11 PM	1625	0.0	OFF	1625	0	0.00	0	68.7	68.7	68.7
11PM-MID	1121	0.0	OFF	1121	0	0.00	0	69.4	69.4	69.4

"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	0.0351
MAIN ROUTE WITH WORKS	0.0296
'DIVERSION'	0.0116

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$58,171
CONGESTED HOURS PER DAY*	5

*Delays Exceeding User-Specified Maximum

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