

IH 43: SILVER SPRING DR TO STH 190 (MILWAUKEE COUNTY) NIGHTTIME 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	3000	451	0	0.36	0	70.2	62.5	49.7
1-2 AM	262	0.0	3000	262	0	0.36	0	70.2	62.5	49.7
2-3 AM	202	0.0	3000	202	0	0.36	0	70.2	62.5	49.7
3-4 AM	234	0.0	3000	234	0	0.36	0	70.2	62.5	49.7
4-5 AM	581	0.0	3000	581	0	0.36	0	70.0	62.3	49.7
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	OFF	3255	0	0.00	0	66.7	66.7	66.7
11AM-NOON	3465	0.0	OFF	3465	0	0.00	0	66.4	66.4	66.4
NOON-1PM	3496	0.0	OFF	3496	0	0.00	0	66.4	66.4	66.4
1-2 PM	3370	0.0	OFF	3370	0	0.00	0	66.6	66.6	66.6
2-3 PM	4054	0.0	OFF	4054	0	0.00	0	63.2	63.2	63.2
3-4 PM	4304	0.0	OFF	4304	0	0.00	0	61.5	61.5	61.5
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	3000	2376	0	0.33	0	67.8	61.1	49.7
8-9 PM	2068	0.0	3000	2068	0	0.33	0	68.2	61.3	49.7
9-10 PM	1781	0.0	3000	1781	0	0.34	0	68.5	61.5	49.7
10-11 PM	1323	0.0	3000	1323	0	0.35	0	69.1	61.9	49.7
11PM-MID	868	0.0	3000	868	0	0.35	0	69.7	62.2	49.7

"OFF" INDICATES NO ROAD WORK (ALL LANES OPEN TO TRAFFIC)

----- 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

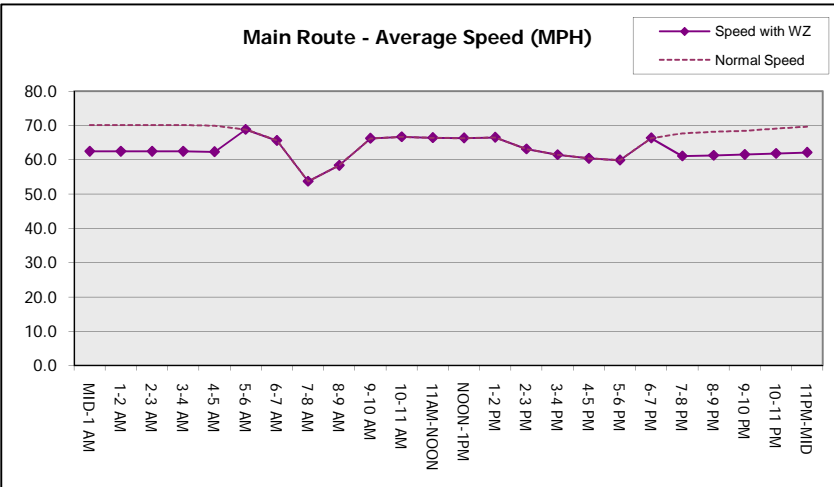
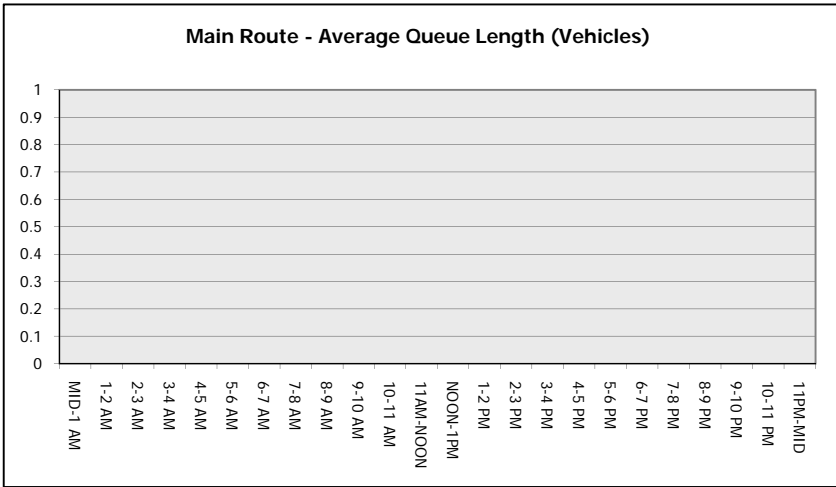
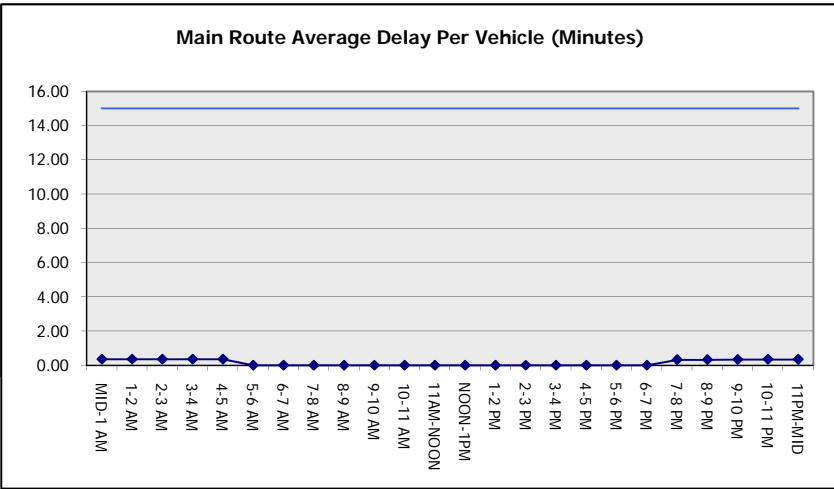
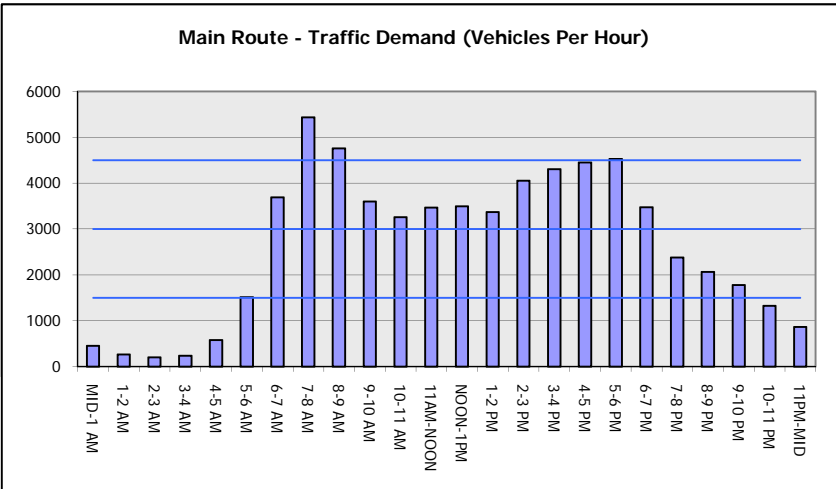
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0344
MAIN ROUTE WITH WORKS	0.0337
'DIVERSION'	0.0000
<small>PIA: Personal Injury Accidents</small>	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$691
CONGESTED HOURS PER DAY*	0

*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	3000	736	0	0.35	0	69.8	62.2	49.7
1-2 AM	430	0.0	3000	430	0	0.36	0	70.2	62.5	49.7
2-3 AM	324	0.0	3000	324	0	0.36	0	70.2	62.5	49.7
3-4 AM	329	0.0	3000	329	0	0.36	0	70.2	62.5	49.7
4-5 AM	505	0.0	3000	505	0	0.36	0	70.1	62.4	49.7
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	OFF	3063	0	0.00	0	66.9	66.9	66.9
11AM-NOON	3220	0.0	OFF	3220	0	0.00	0	66.8	66.8	66.8
NOON-1PM	3377	0.0	OFF	3377	0	0.00	0	66.5	66.5	66.5
1-2 PM	3448	0.0	OFF	3448	0	0.00	0	66.4	66.4	66.4
2-3 PM	3977	0.0	OFF	3977	0	0.00	0	63.7	63.7	63.7
3-4 PM	4593	0.0	OFF	4593	0	0.00	0	59.5	59.5	59.5
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	3000	2566	0	0.45	0	67.6	58.9	45.3
8-9 PM	2287	0.0	3000	2287	0	0.33	0	67.9	61.2	49.7
9-10 PM	2147	0.0	3000	2147	0	0.33	0	68.1	61.3	49.7
10-11 PM	1625	0.0	3000	1625	0	0.34	0	68.7	61.6	49.7
11PM-MID	1121	0.0	3000	1121	0	0.35	0	69.4	62.0	49.7

"OFF" INDICATES NO ROAD WORK (ALL LANES OPEN TO TRAFFIC)

----- 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	0.0343
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$877
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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