

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

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	387	0.0	1500	387	0	0.52	0	70.2	59.5	44.0	
1-2 AM	206	0.0	1500	206	0	0.50	0	70.2	59.9	44.6	
2-3 AM	186	0.0	1500	186	0	0.50	0	70.2	59.9	44.7	
3-4 AM	231	0.0	1500	231	0	0.50	0	70.2	59.9	44.6	
4-5 AM	565	0.0	1500	565	0	0.54	0	70.0	59.1	43.3	
5-6 AM	1555	0.0	OFF	1555	0	0.00	0	68.8	68.8	68.8	
6-7 AM	3976	0.0	OFF	3976	0	0.00	0	63.7	63.7	63.7	
7-8 AM	5500	0.0	OFF	5500	0	0.00	0	53.3	53.3	53.3	
8-9 AM	4833	0.0	OFF	4833	0	0.00	0	57.8	57.8	57.8	
9-10 AM	3096	0.0	OFF	3096	0	0.00	0	66.9	66.9	66.9	
10-11 AM	2890	0.0	OFF	2890	0	0.00	0	67.1	67.1	67.1	
11AM-NOON	3124	0.0	OFF	3124	0	0.00	0	66.9	66.9	66.9	
NOON-1PM	3318	0.0	OFF	3318	0	0.00	0	66.6	66.6	66.6	
1-2 PM	3301	0.0	OFF	3301	0	0.00	0	66.6	66.6	66.6	
2-3 PM	3701	0.0	OFF	3701	0	0.00	0	65.6	65.6	65.6	
3-4 PM	3629	0.0	OFF	3629	0	0.00	0	66.1	66.1	66.1	
4-5 PM	3885	0.0	OFF	3885	0	0.00	0	64.3	64.3	64.3	
5-6 PM	4343	0.0	OFF	4343	0	0.00	0	61.2	61.2	61.2	
6-7 PM	3282	0.0	OFF	3282	0	0.00	0	66.6	66.6	66.6	
7-8 PM	2305	0.0	1499	1924	381	12.64+	316	67.9	13.0	31.1	
8-9 PM	1926	0.0	1499	1500	426	16.35+	399	68.3	10.6	30.8	
9-10 PM	1646	0.0	1500	1463	183	16.21+	395	68.7	10.6	30.8	
10-11 PM	1165	0.0	1499	1165	0	9.25	247	69.3	16.7	33.5	
11PM-MID	744	0.0	1500	744	0	0.62	2	69.8	57.6	42.6	

"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	0.0323
MAIN ROUTE WITH WORKS	0.0313
'DIVERSION'	0.0012
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$22,835
CONGESTED HOURS PER DAY*	3

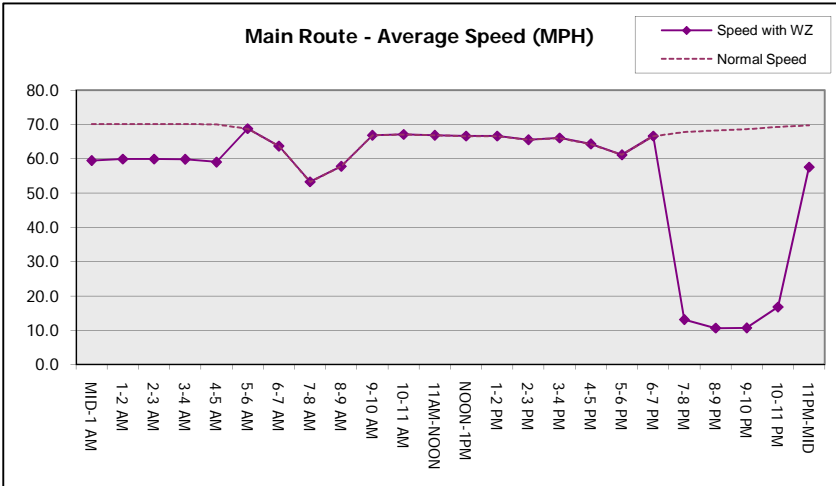
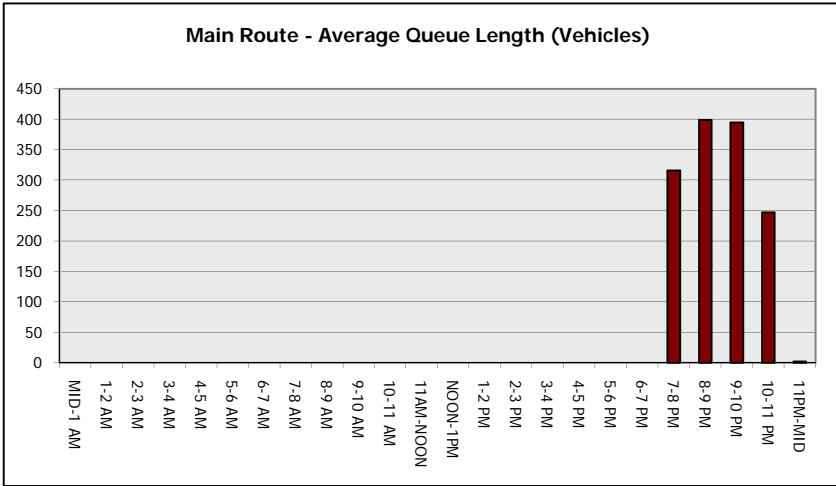
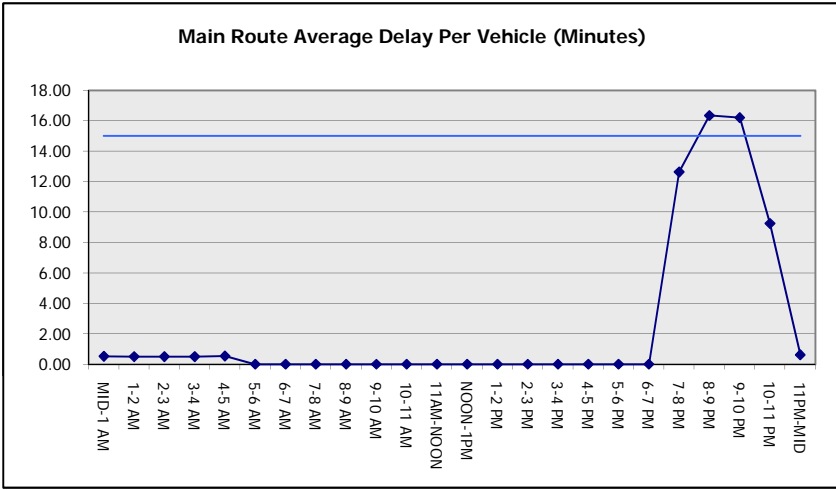
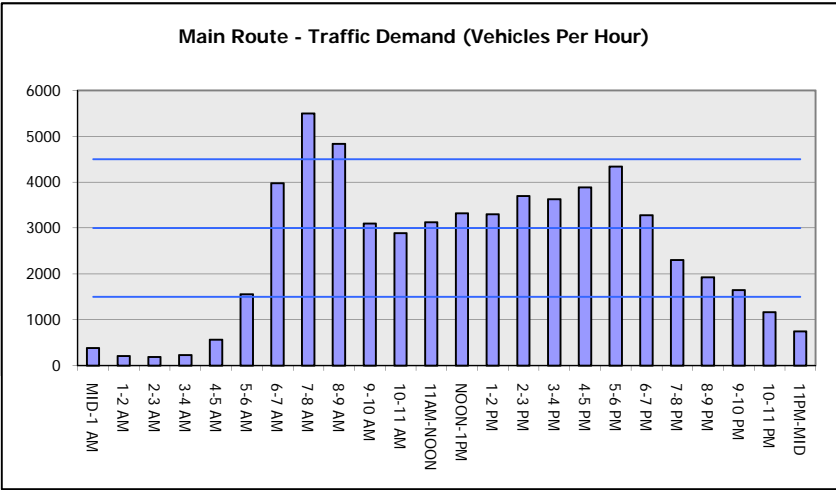
*Delays Exceeding User-Specified Maximum

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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	525	0.0	1500	525	0	0.54	0	70.1	59.2	43.4
1-2 AM	342	0.0	1500	342	0	0.51	0	70.2	59.6	44.1
2-3 AM	260	0.0	1500	260	0	0.50	0	70.2	59.8	44.5
3-4 AM	291	0.0	1500	291	0	0.51	0	70.2	59.7	44.3
4-5 AM	481	0.0	1500	481	0	0.53	0	70.1	59.3	43.6
5-6 AM	1623	0.0	OFF	1623	0	0.00	0	68.7	68.7	68.7
6-7 AM	3401	0.0	OFF	3401	0	0.00	0	66.5	66.5	66.5
7-8 AM	4507	0.0	OFF	4507	0	0.00	0	60.1	60.1	60.1
8-9 AM	4149	0.0	OFF	4149	0	0.00	0	62.5	62.5	62.5
9-10 AM	2738	0.0	OFF	2738	0	0.00	0	67.3	67.3	67.3
10-11 AM	2743	0.0	OFF	2743	0	0.00	0	67.3	67.3	67.3
11AM-NOON	2982	0.0	OFF	2982	0	0.00	0	67.0	67.0	67.0
NOON-1PM	3198	0.0	OFF	3198	0	0.00	0	66.8	66.8	66.8
1-2 PM	3276	0.0	OFF	3276	0	0.00	0	66.6	66.6	66.6
2-3 PM	3849	0.0	OFF	3849	0	0.00	0	64.6	64.6	64.6
3-4 PM	4118	0.0	OFF	4118	0	0.00	0	62.7	62.7	62.7
4-5 PM	4769	0.0	OFF	4769	0	0.00	0	58.2	58.2	58.2
5-6 PM	5232	0.0	OFF	5232	0	0.00	0	55.1	55.1	55.1
6-7 PM	3536	0.0	OFF	3536	0	0.00	0	66.3	66.3	66.3
7-8 PM	2500	0.0	1499	1803	697	13.30+	331	67.6	12.5	34.7
8-9 PM	2155	0.0	1499	1550	604	16.14+	394	68.1	10.7	30.8
9-10 PM	2097	0.0	1500	1500	597	16.34+	400	68.1	10.6	30.8
10-11 PM	1459	0.0	1500	1459	0	15.21+	370	68.9	11.2	30.8
11PM-MID	903	0.0	1499	903	0	2.55	99	69.6	37.2	39.4

"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	0.0331
MAIN ROUTE WITH WORKS	0.0314
'DIVERSION'	0.0024

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$29,366
CONGESTED HOURS PER DAY*	4

*Delays Exceeding User-Specified Maximum

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MON-THUR NORTHBOUND DIRECTION

