

IH 43: SILVER SPRING DR TO STH 190 (MILWAUKEE COUNTY) NIGHTTIME CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	MAY
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

FRIDAY 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	429	0.0	3000	429	0	0.36	0	70.2	62.5	49.7
1-2 AM	253	0.0	3000	253	0	0.36	0	70.2	62.5	49.7
2-3 AM	235	0.0	3000	235	0	0.36	0	70.2	62.5	49.7
3-4 AM	270	0.0	3000	270	0	0.36	0	70.2	62.5	49.7
4-5 AM	547	0.0	3000	547	0	0.36	0	70.0	62.4	49.7
5-6 AM	1484	0.0	OFF	1484	0	0.00	0	68.9	68.9	68.9
6-7 AM	3721	0.0	OFF	3721	0	0.00	0	65.5	65.5	65.5
7-8 AM	5425	0.0	OFF	5425	0	0.00	0	53.8	53.8	53.8
8-9 AM	4588	0.0	OFF	4588	0	0.00	0	59.5	59.5	59.5
9-10 AM	3559	0.0	OFF	3559	0	0.00	0	66.3	66.3	66.3
10-11 AM	3260	0.0	OFF	3260	0	0.00	0	66.7	66.7	66.7
11AM-NOON	3493	0.0	OFF	3493	0	0.00	0	66.4	66.4	66.4
NOON-1PM	3455	0.0	OFF	3455	0	0.00	0	66.4	66.4	66.4
1-2 PM	3694	0.0	OFF	3694	0	0.00	0	65.6	65.6	65.6
2-3 PM	3455	0.0	OFF	3455	0	0.00	0	66.4	66.4	66.4
3-4 PM	4664	0.0	OFF	4664	0	0.00	0	59.0	59.0	59.0
4-5 PM	4754	0.0	OFF	4754	0	0.00	0	58.4	58.4	58.4
5-6 PM	4213	0.0	OFF	4213	0	0.00	0	62.1	62.1	62.1
6-7 PM	3933	0.0	OFF	3933	0	0.00	0	64.0	64.0	64.0
7-8 PM	2706	0.0	3000	2706	0	0.54	0	67.4	57.2	42.4
8-9 PM	2063	0.0	3000	2063	0	0.33	0	68.2	61.4	49.7
9-10 PM	1900	0.0	3000	1900	0	0.34	0	68.4	61.4	49.7
10-11 PM	1662	0.0	3000	1662	0	0.34	0	68.7	61.6	49.7
11PM-MID	1263	0.0	3000	1263	0	0.35	0	69.2	61.9	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

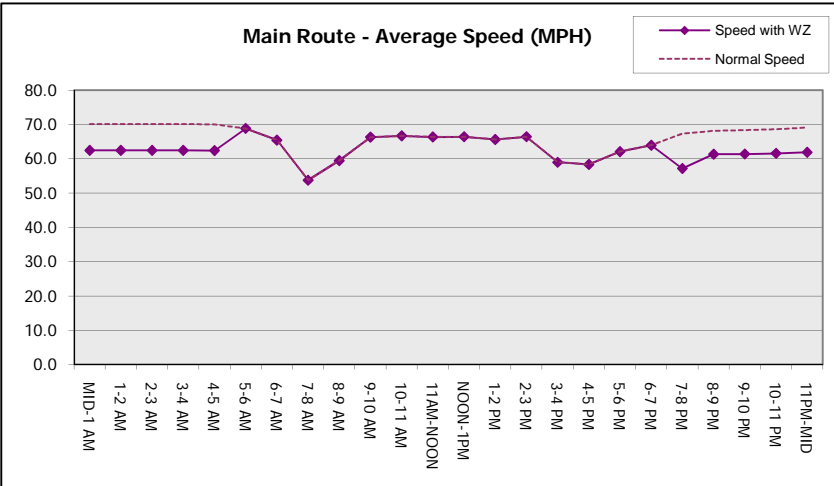
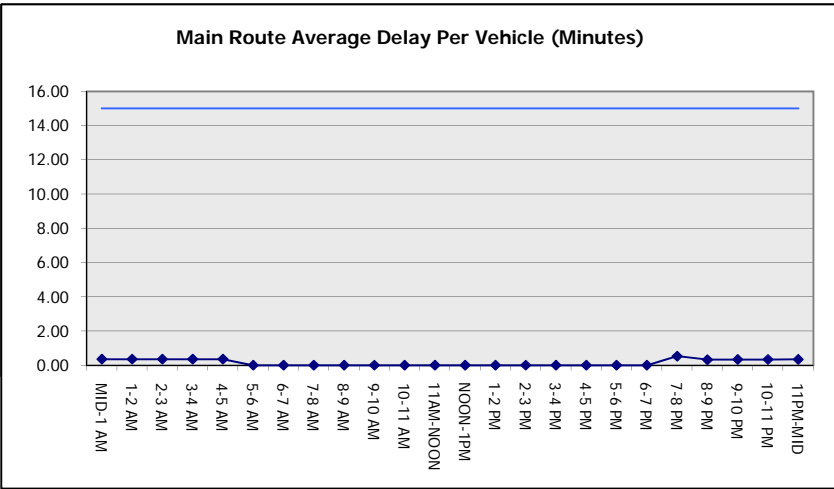
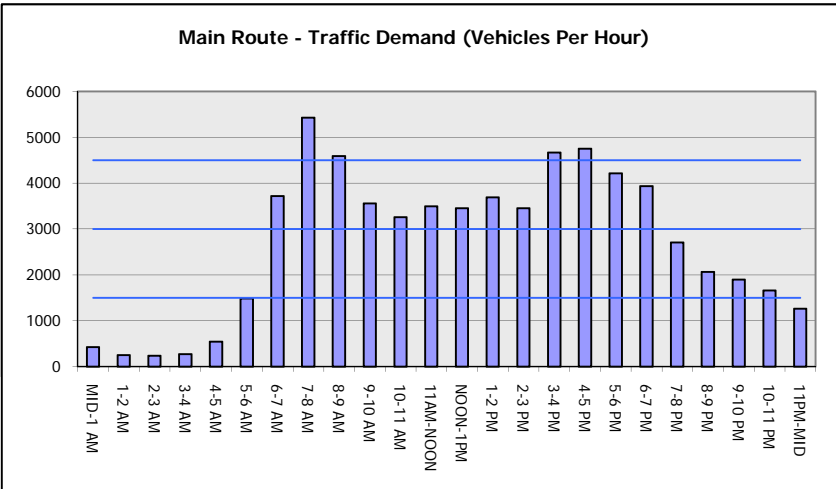
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0352
MAIN ROUTE WITH WORKS	0.0344
'DIVERSION'	0.0000
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$926
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY SOUTHBOUND DIRECTION



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FRIDAY 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	693	0.0	3000	693	0	0.36	0	69.9	62.3	49.7
1-2 AM	506	0.0	3000	506	0	0.36	0	70.1	62.4	49.7
2-3 AM	388	0.0	3000	388	0	0.36	0	70.2	62.5	49.7
3-4 AM	349	0.0	3000	349	0	0.36	0	70.2	62.5	49.7
4-5 AM	483	0.0	3000	483	0	0.36	0	70.1	62.4	49.7
5-6 AM	1594	0.0	OFF	1594	0	0.00	0	68.7	68.7	68.7
6-7 AM	3349	0.0	OFF	3349	0	0.00	0	66.6	66.6	66.6
7-8 AM	4588	0.0	OFF	4588	0	0.00	0	59.5	59.5	59.5
8-9 AM	4048	0.0	OFF	4048	0	0.00	0	63.2	63.2	63.2
9-10 AM	3242	0.0	OFF	3242	0	0.00	0	66.7	66.7	66.7
10-11 AM	3105	0.0	OFF	3105	0	0.00	0	66.9	66.9	66.9
11AM-NOON	3442	0.0	OFF	3442	0	0.00	0	66.4	66.4	66.4
NOON-1PM	3761	0.0	OFF	3761	0	0.00	0	65.1	65.1	65.1
1-2 PM	3838	0.0	OFF	3838	0	0.00	0	64.6	64.6	64.6
2-3 PM	3608	0.0	OFF	3608	0	0.00	0	66.2	66.2	66.2
3-4 PM	5287	0.0	OFF	5287	0	0.00	0	54.7	54.7	54.7
4-5 PM	5745	0.0	OFF	5745	0	0.00	0	51.6	51.6	51.6
5-6 PM	4832	0.0	OFF	4832	0	0.00	0	57.8	57.8	57.8
6-7 PM	3674	0.0	OFF	3674	0	0.00	0	65.8	65.8	65.8
7-8 PM	2752	0.0	3000	2752	0	0.57	0	67.3	56.7	41.5
8-9 PM	2384	0.0	3000	2384	0	0.33	0	67.8	61.1	49.7
9-10 PM	2502	0.0	3000	2502	0	0.40	0	67.6	59.6	46.8
10-11 PM	2418	0.0	3000	2418	0	0.35	0	67.8	60.7	48.9
11PM-MID	1639	0.0	3000	1639	0	0.34	0	68.7	61.6	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	0.0369
MAIN ROUTE WITH WORKS	0.0360
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$1,180
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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