

IH 43: SILVER SPRING DR TO STH 190 (MILWAUKEE COUNTY) OFF-PEAK DAY 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	OFF	429	0	0.00	0	70.2	70.2	70.2
1-2 AM	253	0.0	OFF	253	0	0.00	0	70.2	70.2	70.2
2-3 AM	235	0.0	OFF	235	0	0.00	0	70.2	70.2	70.2
3-4 AM	270	0.0	OFF	270	0	0.00	0	70.2	70.2	70.2
4-5 AM	547	0.0	OFF	547	0	0.00	0	70.0	70.0	70.0
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	2999	3260	0	2.89	132	66.7	34.3	37.3
11AM-NOON	3493	0.0	3000	3493	0	9.35	500	66.4	16.6	37.3
NOON-1PM	3455	0.0	2999	3065	390	15.76+	829	66.4	12.2	37.3
1-2 PM	3694	0.0	3000	3005	689	15.87+	838	65.6	12.2	37.3
2-3 PM	3455	0.0	3000	3003	451	15.89+	837	66.4	12.2	37.3
3-4 PM	4664	0.0	OFF	4664	0	2.92	255	59.0	32.0	32.0
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	OFF	2706	0	0.00	0	67.4	67.4	67.4
8-9 PM	2063	0.0	OFF	2063	0	0.00	0	68.2	68.2	68.2
9-10 PM	1900	0.0	OFF	1900	0	0.00	0	68.4	68.4	68.4
10-11 PM	1662	0.0	OFF	1662	0	0.00	0	68.7	68.7	68.7
11PM-MID	1263	0.0	OFF	1263	0	0.00	0	69.2	69.2	69.2

"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	0.0
(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	0
(VEH-H) MAX	0
AV BREAKDOWNS PER DAY	0
AV QUEUE DELAY/DAY (VEH-H)	0
AV TOTAL DELAY/DAY (VEH-H)	0

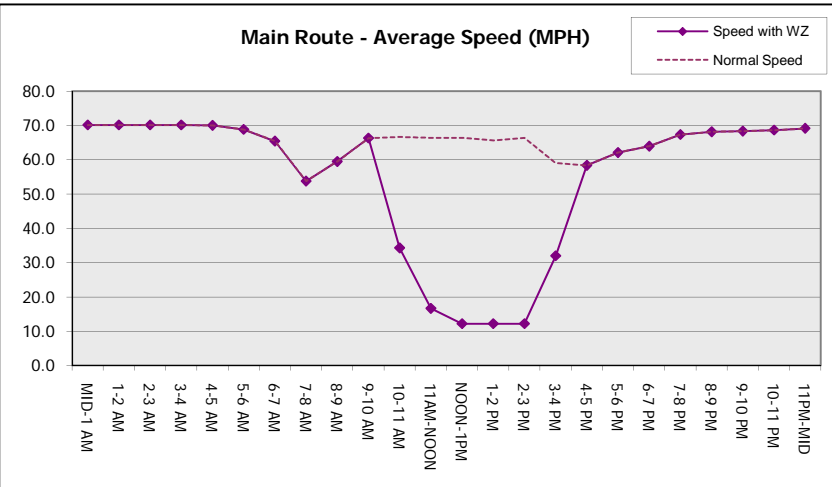
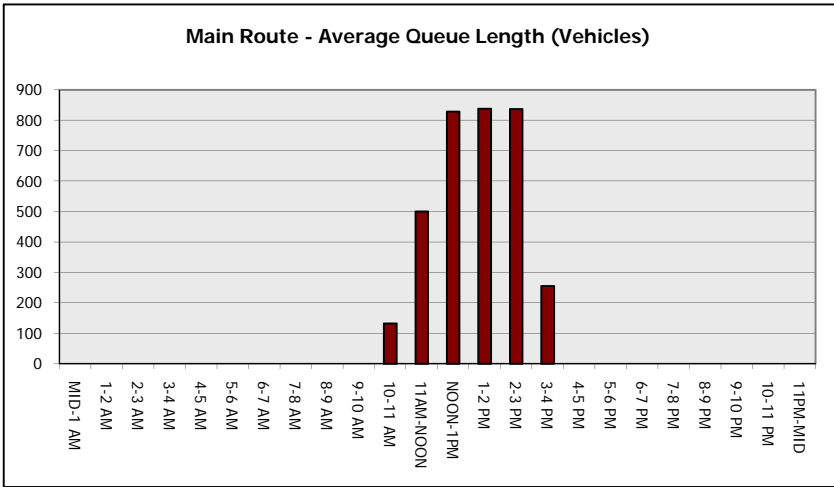
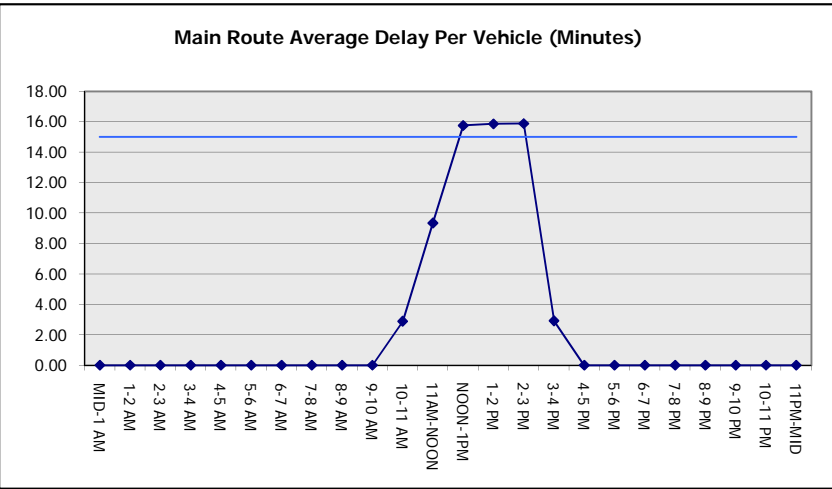
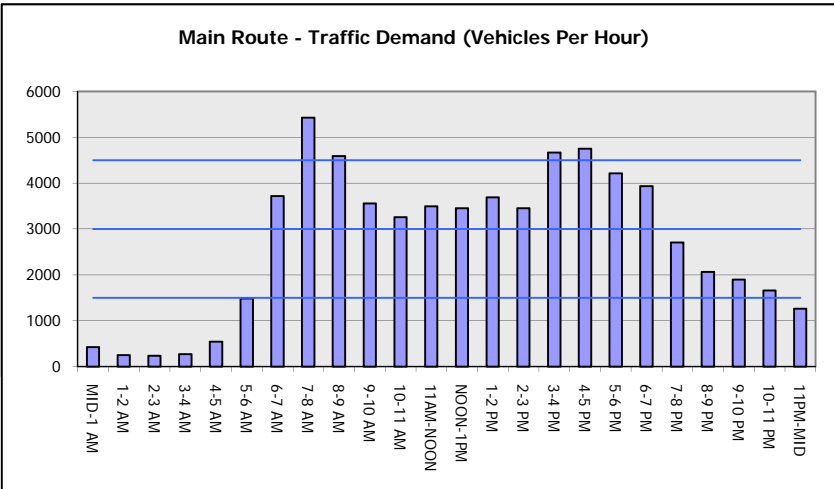
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0352
MAIN ROUTE WITH WORKS	0.0333
'DIVERSION'	0.0019
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$44,052
CONGESTED HOURS PER DAY*	3

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY SOUTHBOUND DIRECTION



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SUMMARY OF TRAFFIC MODEL OUTPUT

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	OFF	693	0	0.00	0	69.9	69.9	69.9
1-2 AM	506	0.0	OFF	506	0	0.00	0	70.1	70.1	70.1
2-3 AM	388	0.0	OFF	388	0	0.00	0	70.2	70.2	70.2
3-4 AM	349	0.0	OFF	349	0	0.00	0	70.2	70.2	70.2
4-5 AM	483	0.0	OFF	483	0	0.00	0	70.1	70.1	70.1
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	2999	3105	0	1.51	46	66.9	44.7	37.3
11AM-NOON	3442	0.0	3000	3442	0	5.77	305	66.4	23.0	37.3
NOON-1PM	3761	0.0	3000	3341	421	14.75+	783	65.1	12.5	37.3
1-2 PM	3838	0.0	2999	2985	853	15.84+	839	64.6	12.2	37.3
2-3 PM	3608	0.0	2999	2992	616	15.89+	838	66.2	12.2	37.3
3-4 PM	5287	0.0	OFF	5287	0	5.45	508	54.7	22.2	22.2
4-5 PM	5745	0.0	OFF	5745	0	0.53	45	51.6	45.5	45.5
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	OFF	2752	0	0.00	0	67.3	67.3	67.3
8-9 PM	2384	0.0	OFF	2384	0	0.00	0	67.8	67.8	67.8
9-10 PM	2502	0.0	OFF	2502	0	0.00	0	67.6	67.6	67.6
10-11 PM	2418	0.0	OFF	2418	0	0.00	0	67.8	67.8	67.8
11PM-MID	1639	0.0	OFF	1639	0	0.00	0	68.7	68.7	68.7

"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	0.0369
MAIN ROUTE WITH WORKS	0.0348
'DIVERSION'	0.0024

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$45,299
CONGESTED HOURS PER DAY*	3

*Delays Exceeding User-Specified Maximum

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