

IH 43: SILVER SPRING DR TO STH 190 (MILWAUKEE COUNTY) OFF-PEAK DAY 2 LANE 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	1499	1550	1710	16.48+	412	66.7	10.4	36.6
11AM-NOON	3493	0.0	1499	1654	1839	14.38+	378	66.4	11.7	35.8
NOON-1PM	3455	0.0	1499	1630	1825	15.89+	391	66.4	10.7	30.9
1-2 PM	3694	0.0	1500	1500	2194	16.22+	400	65.6	10.6	30.9
2-3 PM	3455	0.0	1500	1500	1955	16.26+	400	66.4	10.6	30.9
3-4 PM	4664	0.0	OFF	4664	0	0.56	41	59.0	50.8	50.8
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 (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

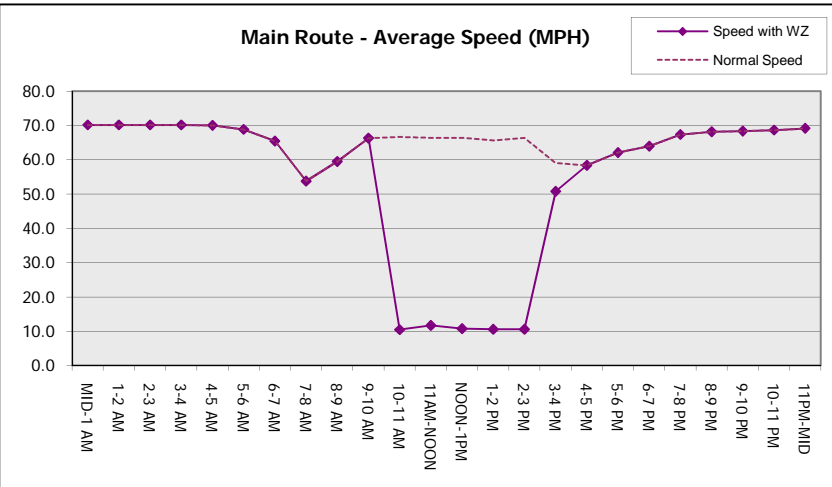
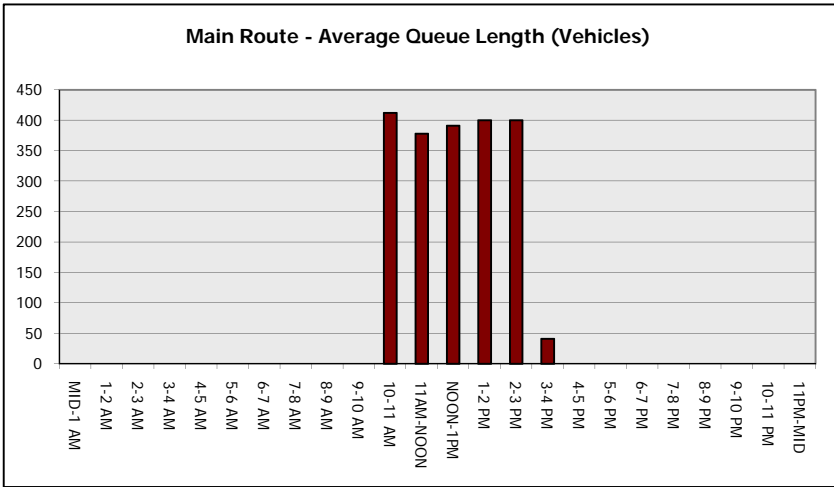
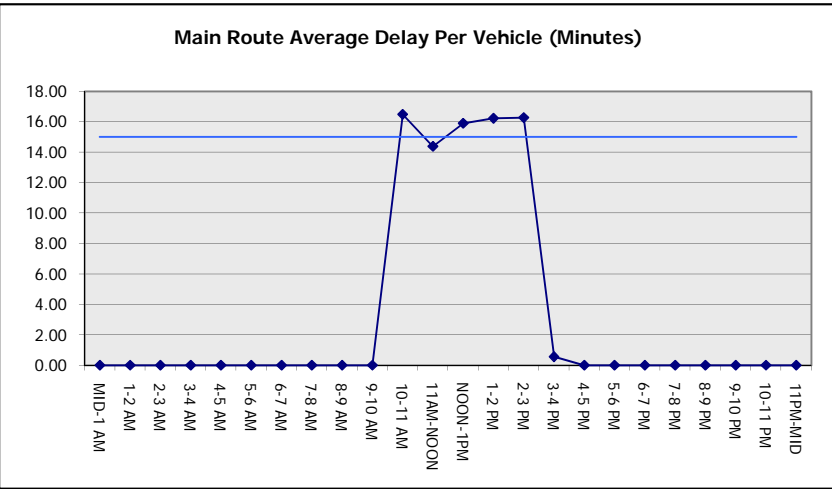
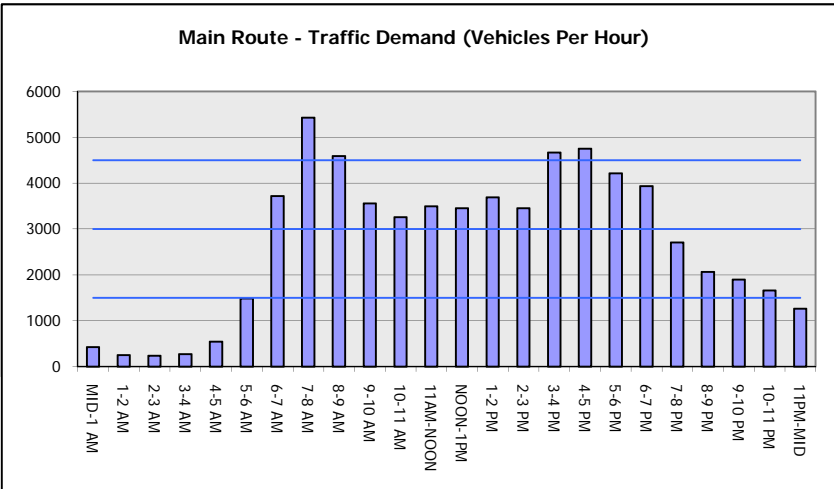
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0352
MAIN ROUTE WITH WORKS	0.0295
'DIVERSION'	0.0119
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$60,652
CONGESTED HOURS PER DAY*	5

*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	1499	1540	1565	16.20+	404	66.9	10.6	36.6
11AM-NOON	3442	0.0	1499	1602	1840	14.53+	383	66.4	11.6	36.1
NOON-1PM	3761	0.0	1499	1806	1956	15.45+	385	65.1	11.0	30.8
1-2 PM	3838	0.0	1500	1500	2338	16.18+	400	64.6	10.6	30.8
2-3 PM	3608	0.0	1500	1500	2108	16.26+	400	66.2	10.6	30.8
3-4 PM	5287	0.0	OFF	5287	0	1.63	140	54.7	38.1	38.1
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	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	0.0311
'DIVERSION'	0.0123

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$62,890
CONGESTED HOURS PER DAY*	5

*Delays Exceeding User-Specified Maximum

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