

IH 43: SILVER SPRING DR TO STH 190 (MILWAUKEE COUNTY) OFF-PEAK DAY CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	AUGUST
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

SATURDAY 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	653	0.0	OFF	653	0	0.00	0	69.9	69.9	69.9	
1-2 AM	324	0.0	OFF	324	0	0.00	0	70.2	70.2	70.2	
2-3 AM	283	0.0	OFF	283	0	0.00	0	70.2	70.2	70.2	
3-4 AM	240	0.0	OFF	240	0	0.00	0	70.2	70.2	70.2	
4-5 AM	349	0.0	OFF	349	0	0.00	0	70.2	70.2	70.2	
5-6 AM	640	0.0	OFF	640	0	0.00	0	69.9	69.9	69.9	
6-7 AM	1038	0.0	OFF	1038	0	0.00	0	69.4	69.4	69.4	
7-8 AM	1491	0.0	OFF	1491	0	0.00	0	68.9	68.9	68.9	
8-9 AM	2261	0.0	3000	2261	0	0.33	0	67.9	61.2	49.7	
9-10 AM	2746	0.0	2999	2746	0	0.56	0	67.3	56.8	41.7	
10-11 AM	3140	0.0	2999	3140	0	1.52	48	66.8	44.6	37.3	
11AM-NOON	3422	0.0	3000	3422	0	6.45	339	66.5	21.4	37.3	
NOON-1PM	3498	0.0	3000	3251	247	14.42+	761	66.4	12.7	37.3	
1-2 PM	3451	0.0	3000	3006	445	15.89+	837	66.4	12.2	37.3	
2-3 PM	3505	0.0	3000	3004	501	15.89+	837	66.4	12.2	37.3	
3-4 PM	3556	0.0	3000	3004	552	15.89+	837	66.3	12.2	37.3	
4-5 PM	3312	0.0	3000	3003	309	15.89+	836	66.6	12.2	37.3	
5-6 PM	3093	0.0	3000	3003	91	15.89+	835	66.9	12.2	37.3	
6-7 PM	2912	0.0	OFF	2912	0	1.20	111	67.1	48.1	48.1	
7-8 PM	2420	0.0	OFF	2420	0	0.00	0	67.8	67.8	67.8	
8-9 PM	1968	0.0	OFF	1968	0	0.00	0	68.3	68.3	68.3	
9-10 PM	1933	0.0	OFF	1933	0	0.00	0	68.3	68.3	68.3	
10-11 PM	1658	0.0	OFF	1658	0	0.00	0	68.7	68.7	68.7	
11PM-MID	1223	0.0	OFF	1223	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

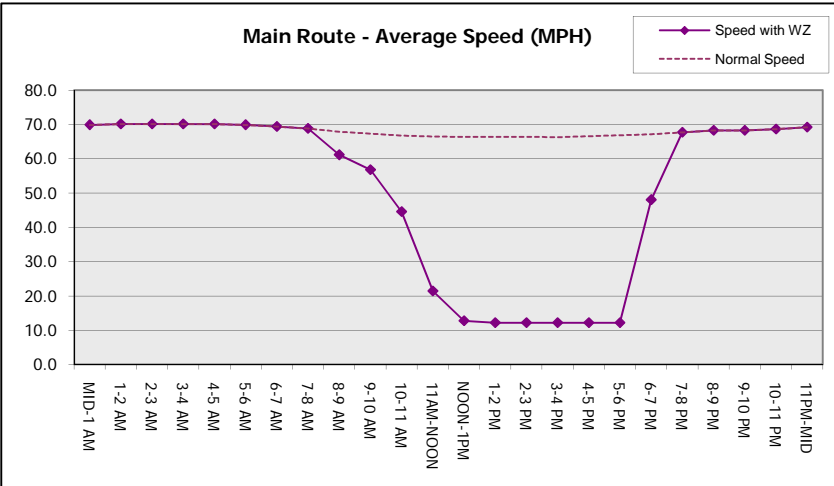
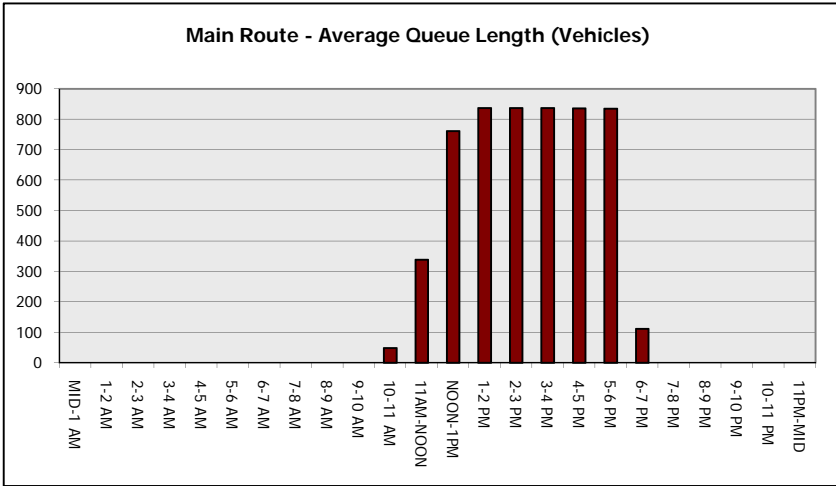
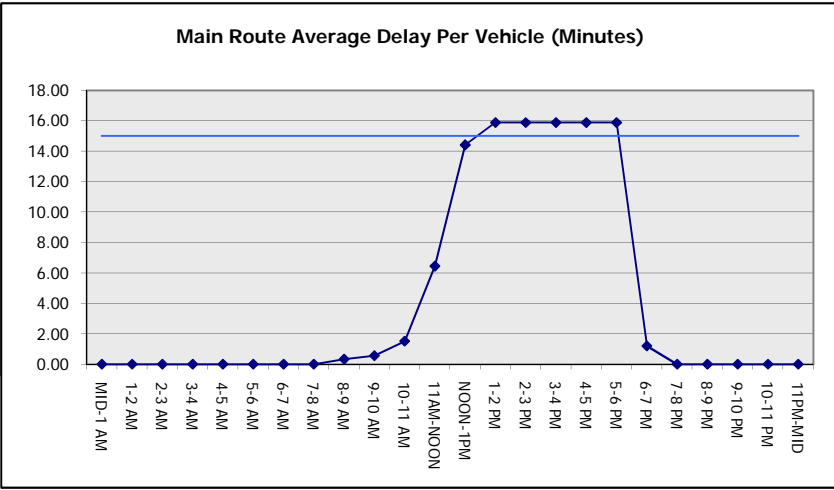
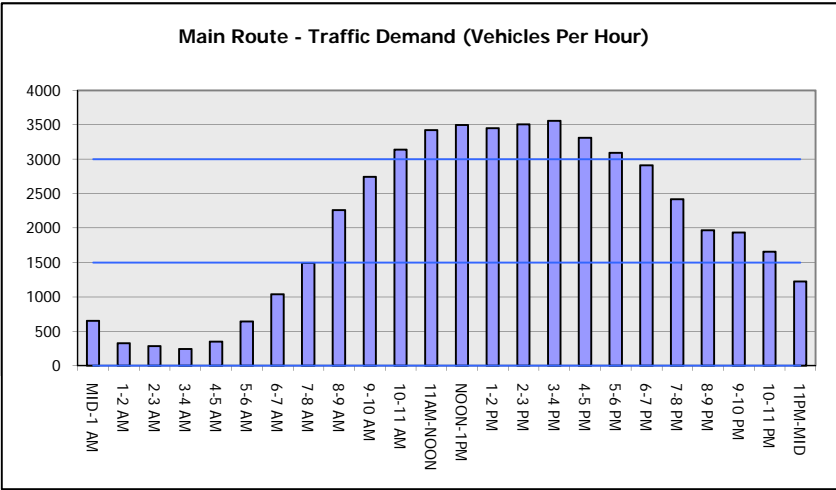
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0266
MAIN ROUTE WITH WORKS	0.0234
'DIVERSION'	0.0027
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$94,200
CONGESTED HOURS PER DAY*	6

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SATURDAY SOUTHBOUND DIRECTION



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SUMMARY OF TRAFFIC MODEL OUTPUT	
SATURDAY	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	1111	0.0	OFF	1111	0	0.00	0	69.4	69.4	69.4
1-2 AM	727	0.0	OFF	727	0	0.00	0	69.8	69.8	69.8
2-3 AM	704	0.0	OFF	704	0	0.00	0	69.9	69.9	69.9
3-4 AM	460	0.0	OFF	460	0	0.00	0	70.2	70.2	70.2
4-5 AM	389	0.0	OFF	389	0	0.00	0	70.2	70.2	70.2
5-6 AM	719	0.0	OFF	719	0	0.00	0	69.9	69.9	69.9
6-7 AM	1141	0.0	OFF	1141	0	0.00	0	69.3	69.3	69.3
7-8 AM	1627	0.0	OFF	1627	0	0.00	0	68.7	68.7	68.7
8-9 AM	2229	0.0	3000	2229	0	0.33	0	67.9	61.2	49.7
9-10 AM	2644	0.0	2999	2644	0	0.49	0	67.4	57.9	43.7
10-11 AM	3060	0.0	2999	3060	0	0.99	15	66.9	50.5	37.3
11AM-NOON	3186	0.0	3000	3186	0	3.22	144	66.8	32.5	37.3
NOON-1PM	3472	0.0	3000	3472	0	9.04	482	66.4	17.0	37.3
1-2 PM	3302	0.0	2999	3140	162	15.54+	817	66.6	12.3	37.3
2-3 PM	3289	0.0	2999	2994	295	15.89+	836	66.6	12.2	37.3
3-4 PM	3498	0.0	2999	2996	502	15.89+	837	66.4	12.2	37.3
4-5 PM	3140	0.0	2999	2986	153	15.87+	835	66.8	12.2	37.3
5-6 PM	2989	0.0	2999	2953	37	15.70+	825	67.0	12.2	37.3
6-7 PM	2471	0.0	OFF	2471	0	0.93	88	67.7	51.7	51.7
7-8 PM	2099	0.0	OFF	2099	0	0.00	0	68.1	68.1	68.1
8-9 PM	2108	0.0	OFF	2108	0	0.00	0	68.1	68.1	68.1
9-10 PM	2146	0.0	OFF	2146	0	0.00	0	68.1	68.1	68.1
10-11 PM	1815	0.0	OFF	1815	0	0.00	0	68.5	68.5	68.5
11PM-MID	1446	0.0	OFF	1446	0	0.00	0	68.9	68.9	68.9

"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	0.0269
MAIN ROUTE WITH WORKS	0.0243
'DIVERSION'	0.0014

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$81,630
CONGESTED HOURS PER DAY*	5

*Delays Exceeding User-Specified Maximum

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SATURDAY NORTHBOUND DIRECTION

