

IH 43: SILVER SPRING DR TO STH 190 (MILWAUKEE COUNTY) CONTINUOUS (24 HOUR) 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	3000	653	0	0.36	0	69.9	62.3	49.7
1-2 AM	324	0.0	3000	324	0	0.36	0	70.2	62.5	49.7
2-3 AM	283	0.0	3000	283	0	0.36	0	70.2	62.5	49.7
3-4 AM	240	0.0	3000	240	0	0.36	0	70.2	62.5	49.7
4-5 AM	349	0.0	3000	349	0	0.36	0	70.2	62.5	49.7
5-6 AM	640	0.0	3000	640	0	0.36	0	69.9	62.3	49.7
6-7 AM	1038	0.0	3000	1038	0	0.35	0	69.4	62.0	49.7
7-8 AM	1491	0.0	3000	1491	0	0.34	0	68.9	61.7	49.7
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	3000	2912	0	15.39+	807	67.1	12.4	37.3
7-8 PM	2420	0.0	2999	2420	0	8.67	482	67.8	17.7	39.5
8-9 PM	1968	0.0	3000	1968	0	0.51	13	68.3	58.4	49.7
9-10 PM	1933	0.0	3000	1933	0	0.34	0	68.3	61.4	49.7
10-11 PM	1658	0.0	3000	1658	0	0.34	0	68.7	61.6	49.7
11PM-MID	1223	0.0	3000	1223	0	0.35	0	69.2	61.9	49.7

+ 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

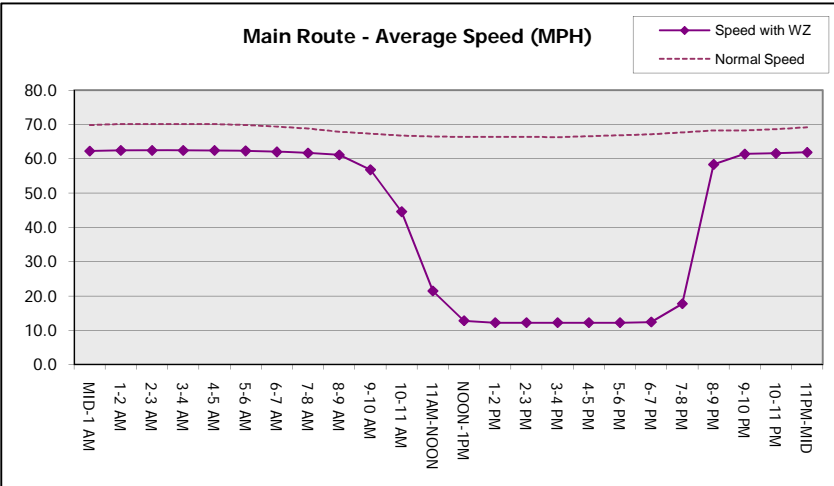
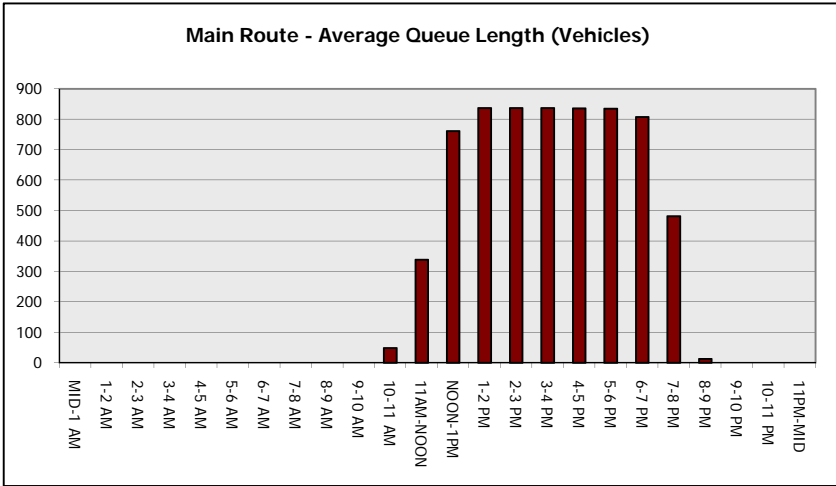
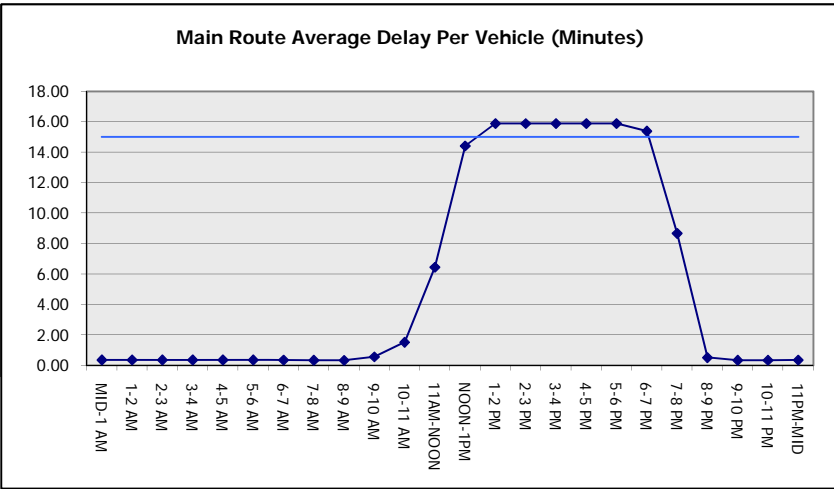
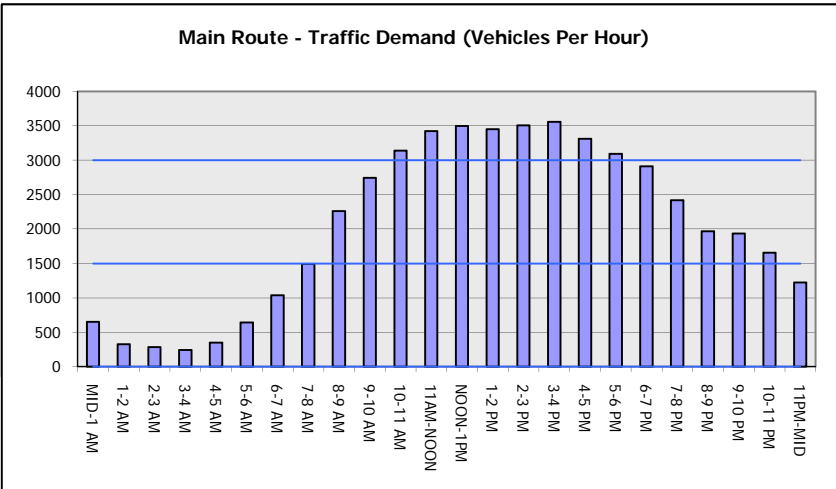
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0266
MAIN ROUTE WITH WORKS	0.0223
'DIVERSION'	0.0027
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$116,759
CONGESTED HOURS PER DAY*	7

*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	3000	1111	0	0.35	0	69.4	62.0	49.7
1-2 AM	727	0.0	3000	727	0	0.35	0	69.8	62.3	49.7
2-3 AM	704	0.0	3000	704	0	0.36	0	69.9	62.3	49.7
3-4 AM	460	0.0	3000	460	0	0.36	0	70.2	62.5	49.7
4-5 AM	389	0.0	3000	389	0	0.36	0	70.2	62.5	49.7
5-6 AM	719	0.0	3000	719	0	0.36	0	69.9	62.3	49.7
6-7 AM	1141	0.0	3000	1141	0	0.35	0	69.3	62.0	49.7
7-8 AM	1627	0.0	3000	1627	0	0.34	0	68.7	61.6	49.7
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	2999	2471	0	10.25+	554	67.7	15.8	38.3
7-8 PM	2099	0.0	3000	2099	0	0.80	40	68.1	53.8	49.6
8-9 PM	2108	0.0	3000	2108	0	0.33	0	68.1	61.3	49.7
9-10 PM	2146	0.0	3000	2146	0	0.33	0	68.1	61.3	49.7
10-11 PM	1815	0.0	3000	1815	0	0.34	0	68.5	61.5	49.7
11PM-MID	1446	0.0	3000	1446	0	0.34	0	68.9	61.8	49.7

+ 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	0.0231
'DIVERSION'	0.0014

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$93,318
CONGESTED HOURS PER DAY*	6

*Delays Exceeding User-Specified Maximum

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