

IH 43: SILVER SPRING DR TO STH 190 (MILWAUKEE COUNTY) CONTINUOUS (24 HOUR) CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	MAY
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

MON-THUR 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	387	0.0	3000	387	0	0.36	0	70.2	62.5	49.7
1-2 AM	206	0.0	3000	206	0	0.36	0	70.2	62.5	49.7
2-3 AM	186	0.0	3000	186	0	0.36	0	70.2	62.5	49.7
3-4 AM	231	0.0	3000	231	0	0.36	0	70.2	62.5	49.7
4-5 AM	565	0.0	3000	565	0	0.36	0	70.0	62.3	49.7
5-6 AM	1555	0.0	3000	1555	0	0.34	0	68.8	61.7	49.7
6-7 AM	3976	0.0	2999	3976	0	5.25	364	63.7	24.5	37.3
7-8 AM	5500	0.0	2999	2969	2532	15.44+	861	53.3	12.0	37.3
8-9 AM	4833	0.0	2999	2934	1899	15.73+	858	57.8	12.0	37.3
9-10 AM	3096	0.0	2999	2895	202	15.71+	825	66.9	12.2	37.3
10-11 AM	2890	0.0	3000	2890	0	13.73+	716	67.1	13.0	37.3
11AM-NOON	3124	0.0	3000	3124	0	13.61+	710	66.9	13.0	37.3
NOON-1PM	3318	0.0	2999	3028	290	15.84+	834	66.6	12.2	37.3
1-2 PM	3301	0.0	3000	3005	296	15.89+	836	66.6	12.2	37.3
2-3 PM	3701	0.0	3000	3004	696	15.86+	838	65.6	12.2	37.3
3-4 PM	3629	0.0	3000	3003	625	15.89+	838	66.1	12.2	37.3
4-5 PM	3885	0.0	3000	3003	882	15.81+	839	64.3	12.2	37.3
5-6 PM	4343	0.0	3000	3018	1325	15.81+	849	61.2	12.1	37.3
6-7 PM	3282	0.0	3000	2984	298	15.87+	835	66.6	12.2	37.3
7-8 PM	2305	0.0	2999	2305	0	9.13+	526	67.9	17.3	40.9
8-9 PM	1926	0.0	3000	1926	0	0.46	9	68.3	59.2	49.7
9-10 PM	1646	0.0	3000	1646	0	0.34	0	68.7	61.6	49.7
10-11 PM	1165	0.0	3000	1165	0	0.35	0	69.3	62.0	49.7
11PM-MID	744	0.0	3000	744	0	0.35	0	69.8	62.2	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

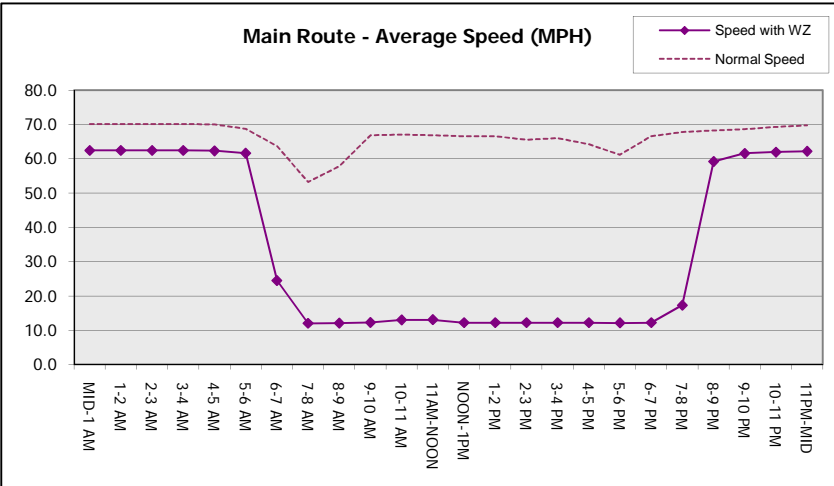
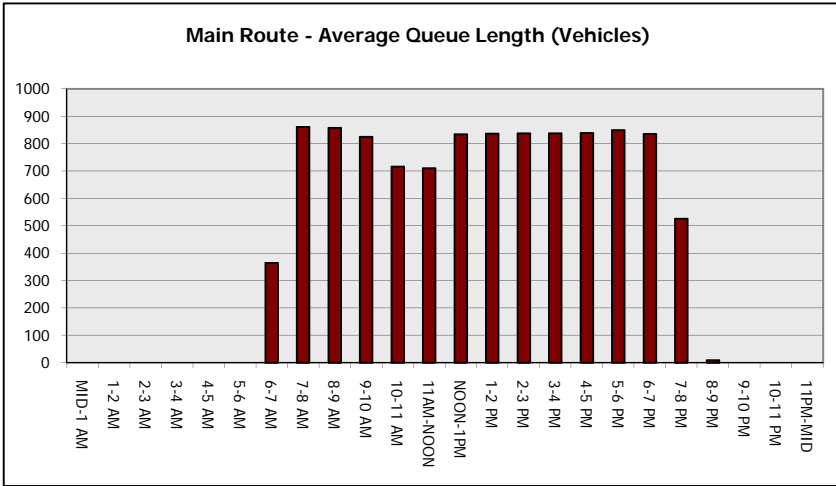
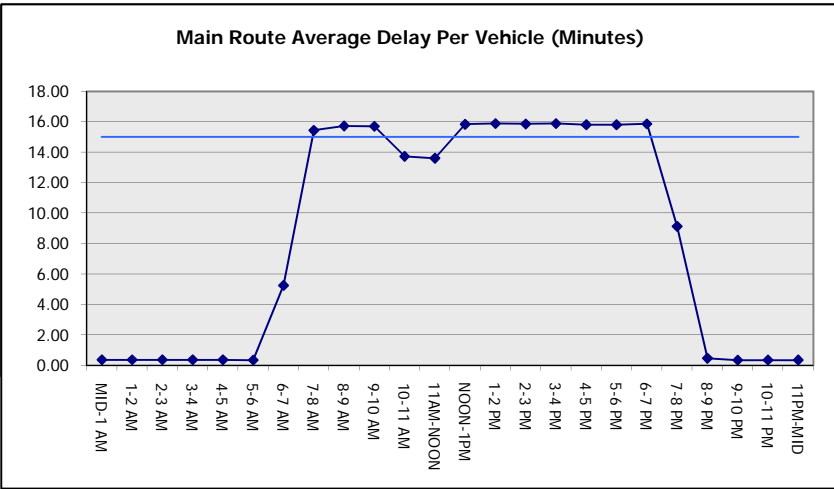
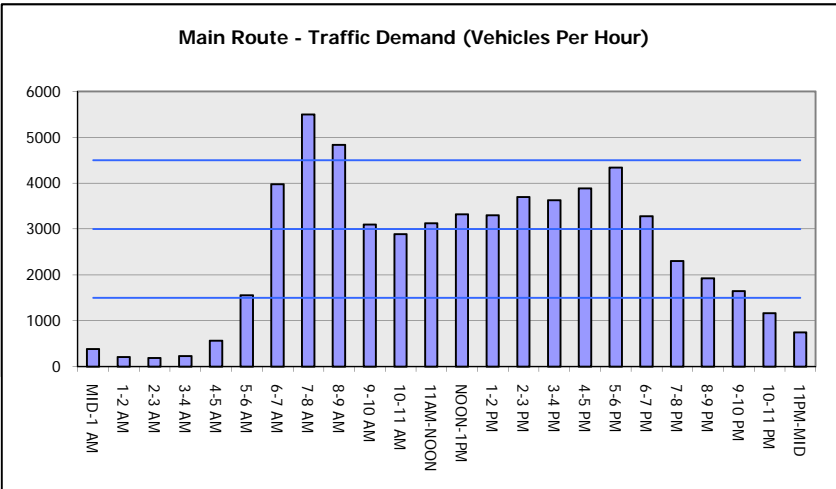
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0323
MAIN ROUTE WITH WORKS	0.0241
'DIVERSION'	0.0113
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$162,773
CONGESTED HOURS PER DAY*	13

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
MON-THUR SOUTHBOUND DIRECTION



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SUMMARY OF TRAFFIC MODEL OUTPUT

MON-THUR 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	525	0.0	3000	525	0	0.36	0	70.1	62.4	49.7	
1-2 AM	342	0.0	3000	342	0	0.36	0	70.2	62.5	49.7	
2-3 AM	260	0.0	3000	260	0	0.36	0	70.2	62.5	49.7	
3-4 AM	291	0.0	3000	291	0	0.36	0	70.2	62.5	49.7	
4-5 AM	481	0.0	3000	481	0	0.36	0	70.1	62.4	49.7	
5-6 AM	1623	0.0	3000	1623	0	0.34	0	68.7	61.7	49.7	
6-7 AM	3401	0.0	2999	3401	0	2.13	110	66.5	39.2	37.3	
7-8 AM	4507	0.0	3000	3469	1038	14.40+	789	60.1	12.7	37.9	
8-9 AM	4149	0.0	2999	2983	1165	15.83+	846	62.5	12.1	37.3	
9-10 AM	2738	0.0	2999	2727	11	14.41+	757	67.3	12.7	37.3	
10-11 AM	2743	0.0	3000	2743	0	8.68	444	67.3	17.4	37.3	
11AM-NOON	2982	0.0	3000	2982	0	6.19	301	67.0	22.1	37.3	
NOON-1PM	3198	0.0	3000	3198	0	7.82	396	66.8	18.8	37.3	
1-2 PM	3276	0.0	2999	3276	0	11.91	622	66.6	14.0	37.3	
2-3 PM	3849	0.0	2999	3030	819	15.86+	840	64.6	12.1	37.3	
3-4 PM	4118	0.0	3000	3030	1088	15.78+	842	62.7	12.1	37.3	
4-5 PM	4769	0.0	2999	3013	1757	15.85+	862	58.2	12.0	37.3	
5-6 PM	5232	0.0	3000	3000	2232	15.64+	864	55.1	12.0	37.3	
6-7 PM	3536	0.0	3000	2997	539	15.90+	837	66.3	12.2	37.3	
7-8 PM	2500	0.0	2999	2500	0	12.01+	642	67.6	14.2	37.9	
8-9 PM	2155	0.0	3000	2155	0	1.21	76	68.1	48.5	48.6	
9-10 PM	2097	0.0	3000	2097	0	0.33	0	68.1	61.3	49.7	
10-11 PM	1459	0.0	3000	1459	0	0.34	0	68.9	61.7	49.7	
11PM-MID	903	0.0	3000	903	0	0.35	0	69.6	62.2	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	0.0331
MAIN ROUTE WITH WORKS	0.0249
'DIVERSION'	0.0108

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$144,782
CONGESTED HOURS PER DAY*	9

*Delays Exceeding User-Specified Maximum

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