

IH 43: SILVER SPRING DR TO STH 190 (MILWAUKEE COUNTY) CONTINUOUS (24 HOUR) 2 LANE 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	1500	387	0	0.52	0	70.2	59.5	44.0	
1-2 AM	206	0.0	1500	206	0	0.50	0	70.2	59.9	44.6	
2-3 AM	186	0.0	1500	186	0	0.50	0	70.2	59.9	44.7	
3-4 AM	231	0.0	1500	231	0	0.50	0	70.2	59.9	44.6	
4-5 AM	565	0.0	1500	565	0	0.54	0	70.0	59.1	43.3	
5-6 AM	1555	0.0	1499	1555	0	2.08	60	68.8	40.4	35.8	
6-7 AM	3976	0.0	1499	1500	2476	15.79+	399	63.7	10.7	37.8	
7-8 AM	5500	0.0	1500	1500	4000	15.16+	400	53.3	10.7	37.8	
8-9 AM	4833	0.0	1500	1500	3333	15.47+	400	57.8	10.7	37.8	
9-10 AM	3096	0.0	1500	1557	1540	15.93+	395	66.9	10.7	34.0	
10-11 AM	2890	0.0	1499	1500	1390	16.16+	399	67.1	10.6	33.2	
11AM-NOON	3124	0.0	1500	1500	1624	16.14+	400	66.9	10.6	33.2	
NOON-1PM	3318	0.0	1500	1500	1818	16.13+	400	66.6	10.6	33.2	
1-2 PM	3301	0.0	1500	1500	1801	16.13+	400	66.6	10.6	33.2	
2-3 PM	3701	0.0	1500	1500	2201	16.09+	400	65.6	10.6	33.2	
3-4 PM	3629	0.0	1500	1500	2129	16.11+	400	66.1	10.6	33.2	
4-5 PM	3885	0.0	1500	1500	2385	16.02+	400	64.3	10.6	33.2	
5-6 PM	4343	0.0	1500	1500	2843	15.86+	400	61.2	10.6	33.2	
6-7 PM	3282	0.0	1500	1500	1782	16.14+	400	66.6	10.6	33.2	
7-8 PM	2305	0.0	1500	1562	742	16.04+	393	67.9	10.7	31.5	
8-9 PM	1926	0.0	1499	1500	426	16.35+	399	68.3	10.6	30.8	
9-10 PM	1646	0.0	1500	1545	101	16.16+	394	68.7	10.7	30.8	
10-11 PM	1165	0.0	1499	1165	0	10.01	265	69.3	15.7	33.2	
11PM-MID	744	0.0	1500	744	0	0.66	3	69.8	56.9	42.6	

+ 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

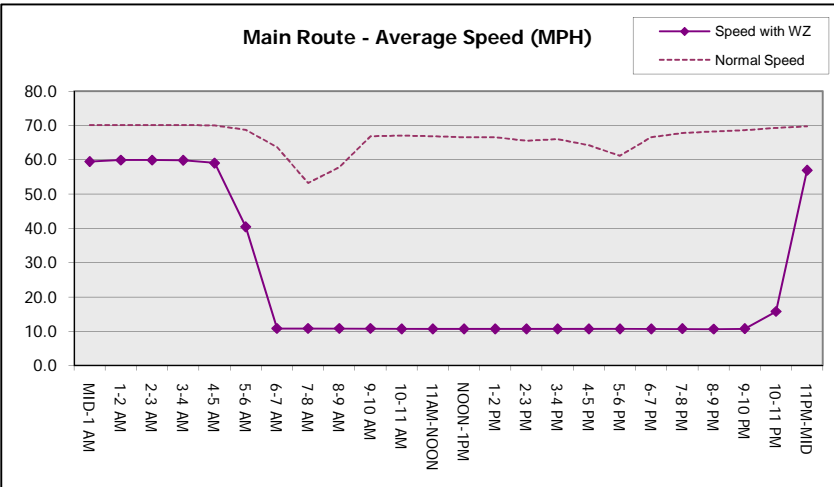
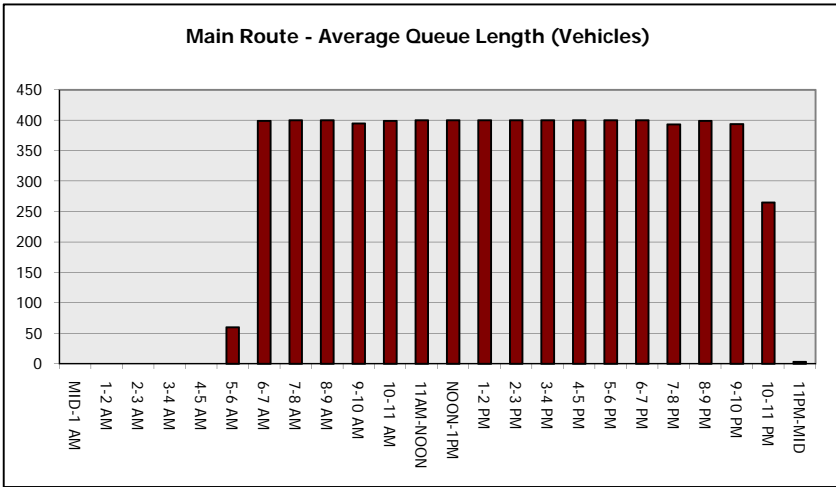
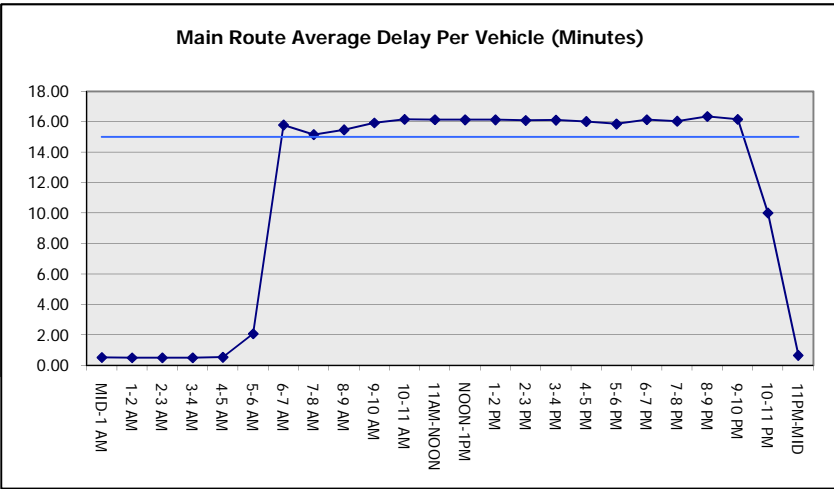
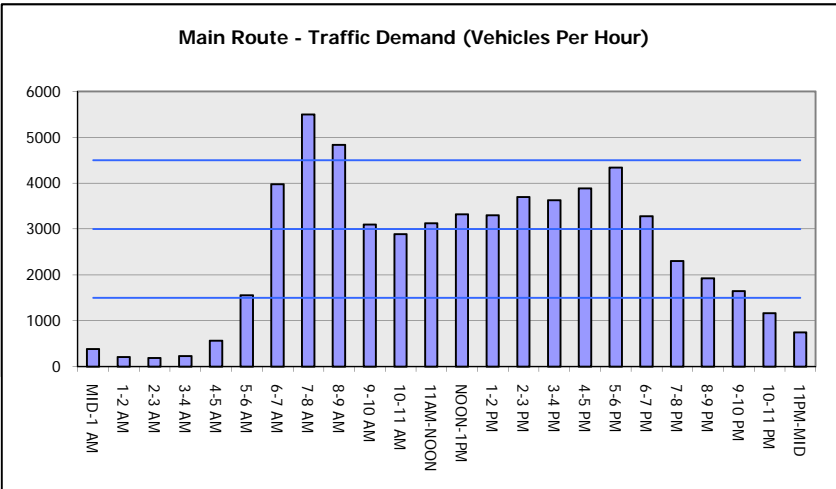
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0323
MAIN ROUTE WITH WORKS	0.0139
'DIVERSION'	0.0383
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$190,873
CONGESTED HOURS PER DAY*	16

*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	1500	525	0	0.54	0	70.1	59.2	43.4	
1-2 AM	342	0.0	1500	342	0	0.51	0	70.2	59.6	44.1	
2-3 AM	260	0.0	1500	260	0	0.50	0	70.2	59.8	44.5	
3-4 AM	291	0.0	1500	291	0	0.51	0	70.2	59.7	44.3	
4-5 AM	481	0.0	1500	481	0	0.53	0	70.1	59.3	43.6	
5-6 AM	1623	0.0	1499	1623	0	2.26	61	68.7	39.0	33.7	
6-7 AM	3401	0.0	1499	1561	1840	15.99+	395	66.5	10.7	32.2	
7-8 AM	4507	0.0	1500	1500	3007	15.83+	400	60.1	10.6	32.7	
8-9 AM	4149	0.0	1500	1500	2649	15.96+	400	62.5	10.6	32.7	
9-10 AM	2738	0.0	1500	1500	1238	16.19+	400	67.3	10.6	32.7	
10-11 AM	2743	0.0	1500	1500	1243	16.19+	400	67.3	10.6	32.7	
11AM-NOON	2982	0.0	1500	1500	1482	16.18+	400	67.0	10.6	32.7	
NOON-1PM	3198	0.0	1500	1500	1698	16.17+	400	66.8	10.6	32.7	
1-2 PM	3276	0.0	1499	1500	1776	16.16+	400	66.6	10.6	32.7	
2-3 PM	3849	0.0	1500	1500	2349	16.06+	400	64.6	10.6	32.7	
3-4 PM	4118	0.0	1500	1500	2618	15.97+	400	62.7	10.6	32.7	
4-5 PM	4769	0.0	1500	1500	3269	15.72+	400	58.2	10.6	32.7	
5-6 PM	5232	0.0	1500	1500	3732	15.52+	400	55.1	10.6	32.7	
6-7 PM	3536	0.0	1499	1500	2036	16.15+	400	66.3	10.6	32.7	
7-8 PM	2500	0.0	1500	1521	979	16.17+	397	67.6	10.6	31.9	
8-9 PM	2155	0.0	1499	1516	639	16.26+	398	68.1	10.6	31.1	
9-10 PM	2097	0.0	1499	1500	597	16.34+	399	68.1	10.6	30.8	
10-11 PM	1459	0.0	1500	1459	0	14.76	358	68.9	11.5	30.8	
11PM-MID	903	0.0	1499	903	0	2.42	92	69.6	38.1	39.5	

+ 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	0.0142
'DIVERSION'	0.0390

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$196,259
CONGESTED HOURS PER DAY*	16

*Delays Exceeding User-Specified Maximum

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