

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

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	451	0.0	3000	451	0	0.36	0	70.2	62.5	49.7
1-2 AM	262	0.0	3000	262	0	0.36	0	70.2	62.5	49.7
2-3 AM	202	0.0	3000	202	0	0.36	0	70.2	62.5	49.7
3-4 AM	234	0.0	3000	234	0	0.36	0	70.2	62.5	49.7
4-5 AM	581	0.0	3000	581	0	0.36	0	70.0	62.3	49.7
5-6 AM	1517	0.0	3000	1517	0	0.34	0	68.9	61.7	49.7
6-7 AM	3693	0.0	2999	3693	0	3.43	224	65.6	31.2	37.3
7-8 AM	5438	0.0	2999	3052	2386	15.42+	858	53.7	12.0	37.3
8-9 AM	4759	0.0	3000	3088	1671	15.68+	853	58.4	12.0	37.3
9-10 AM	3602	0.0	3000	3001	601	15.89+	837	66.3	12.2	37.3
10-11 AM	3255	0.0	3000	3000	255	15.89+	836	66.7	12.2	37.3
11AM-NOON	3465	0.0	3000	3000	464	15.89+	837	66.4	12.2	37.3
NOON-1PM	3496	0.0	3000	3000	495	15.89+	837	66.4	12.2	37.3
1-2 PM	3370	0.0	3000	3000	370	15.89+	837	66.6	12.2	37.3
2-3 PM	4054	0.0	2999	3005	1049	15.77+	840	63.2	12.1	37.3
3-4 PM	4304	0.0	3000	3008	1295	15.80+	848	61.5	12.1	37.3
4-5 PM	4454	0.0	3000	3007	1448	15.87+	855	60.4	12.0	37.3
5-6 PM	4530	0.0	2999	2998	1532	15.89+	858	59.9	12.0	37.3
6-7 PM	3477	0.0	3000	2996	481	15.89+	837	66.4	12.2	37.3
7-8 PM	2376	0.0	2999	2376	0	10.51+	582	67.8	15.6	39.6
8-9 PM	2068	0.0	3000	2068	0	0.69	29	68.2	55.4	49.7
9-10 PM	1781	0.0	3000	1781	0	0.34	0	68.5	61.5	49.7
10-11 PM	1323	0.0	3000	1323	0	0.35	0	69.1	61.9	49.7
11PM-MID	868	0.0	3000	868	0	0.35	0	69.7	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

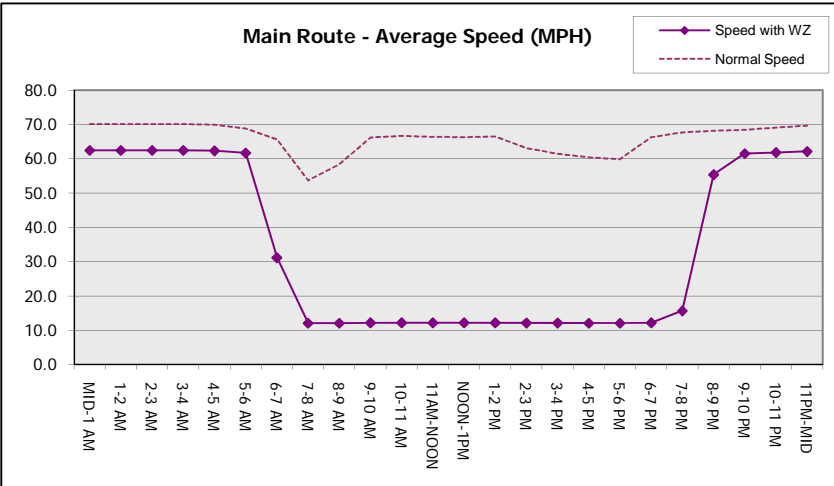
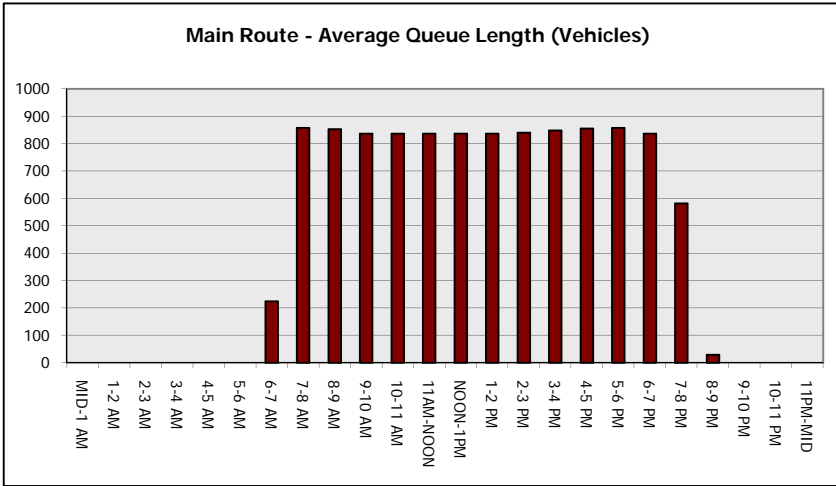
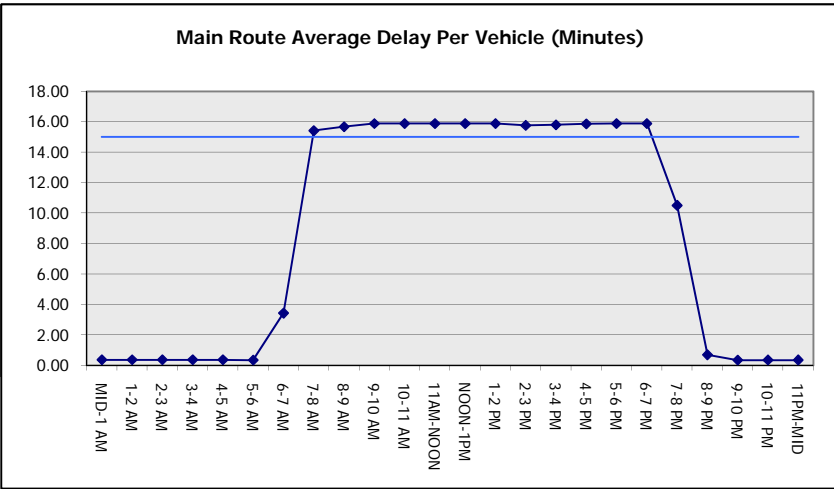
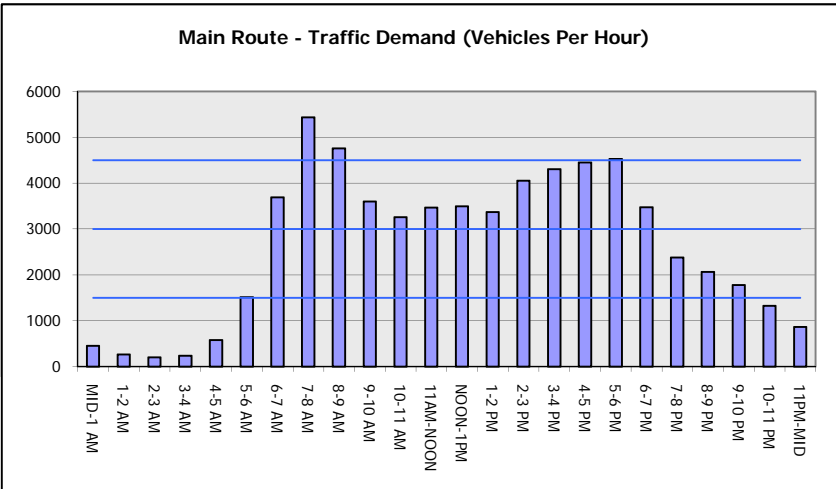
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0344
MAIN ROUTE WITH WORKS	0.0245
'DIVERSION'	0.0151
<small>PIA: Personal Injury Accidents</small>	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$177,160
CONGESTED HOURS PER DAY*	13

*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	736	0.0	3000	736	0	0.35	0	69.8	62.2	49.7
1-2 AM	430	0.0	3000	430	0	0.36	0	70.2	62.5	49.7
2-3 AM	324	0.0	3000	324	0	0.36	0	70.2	62.5	49.7
3-4 AM	329	0.0	3000	329	0	0.36	0	70.2	62.5	49.7
4-5 AM	505	0.0	3000	505	0	0.36	0	70.1	62.4	49.7
5-6 AM	1591	0.0	3000	1591	0	0.34	0	68.7	61.7	49.7
6-7 AM	3390	0.0	2999	3390	0	2.00	102	66.5	40.2	37.3
7-8 AM	4562	0.0	3000	3474	1088	14.34+	789	59.7	12.7	38.1
8-9 AM	4037	0.0	2999	2984	1053	15.81+	842	63.3	12.1	37.3
9-10 AM	3158	0.0	3000	2986	172	15.87+	835	66.8	12.2	37.3
10-11 AM	3063	0.0	2999	3000	63	15.89+	835	66.9	12.2	37.3
11AM-NOON	3220	0.0	3000	3001	219	15.89+	836	66.8	12.2	37.3
NOON-1PM	3377	0.0	3000	3001	377	15.89+	837	66.5	12.2	37.3
1-2 PM	3448	0.0	3000	3000	448	15.89+	837	66.4	12.2	37.3
2-3 PM	3977	0.0	2999	3004	973	15.78+	839	63.7	12.2	37.3
3-4 PM	4593	0.0	2999	3012	1581	15.86+	858	59.5	12.0	37.3
4-5 PM	5343	0.0	2999	3000	2343	15.58+	864	54.3	12.0	37.3
5-6 PM	5489	0.0	3000	3000	2489	15.50+	864	53.3	12.0	37.3
6-7 PM	3605	0.0	3000	2997	608	15.89+	838	66.2	12.2	37.3
7-8 PM	2566	0.0	2999	2566	0	12.70+	672	67.6	13.7	37.4
8-9 PM	2287	0.0	2999	2287	0	1.82	129	67.9	42.3	46.2
9-10 PM	2147	0.0	3000	2147	0	0.33	0	68.1	61.3	49.7
10-11 PM	1625	0.0	3000	1625	0	0.34	0	68.7	61.6	49.7
11PM-MID	1121	0.0	3000	1121	0	0.35	0	69.4	62.0	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	0.0351
MAIN ROUTE WITH WORKS	0.0254
'DIVERSION'	0.0143

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$175,481
CONGESTED HOURS PER DAY*	13

*Delays Exceeding User-Specified Maximum

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