

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

SUNDAY 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	633	0.0	1500	633	0	0.55	0	69.9	58.9	43.0	
1-2 AM	349	0.0	1500	349	0	0.52	0	70.2	59.6	44.1	
2-3 AM	269	0.0	1500	269	0	0.51	0	70.2	59.8	44.4	
3-4 AM	185	0.0	1500	185	0	0.49	0	70.2	59.9	44.7	
4-5 AM	194	0.0	1500	194	0	0.50	0	70.2	59.9	44.7	
5-6 AM	382	0.0	1500	382	0	0.52	0	70.2	59.6	44.0	
6-7 AM	644	0.0	1500	644	0	0.55	0	69.9	58.9	43.0	
7-8 AM	986	0.0	1499	986	0	0.59	0	69.5	57.9	41.7	
8-9 AM	1586	0.0	1499	1586	0	1.93	30	68.7	41.7	31.5	
9-10 AM	2265	0.0	1500	1808	456	13.38+	338	67.9	12.4	30.8	
10-11 AM	2771	0.0	1500	1500	1271	16.31+	400	67.3	10.6	30.8	
11AM-NOON	3433	0.0	1500	1500	1933	16.27+	400	66.4	10.6	30.8	
NOON-1PM	3667	0.0	1500	1500	2167	16.24+	400	65.8	10.6	30.8	
1-2 PM	3489	0.0	1500	1500	1989	16.27+	400	66.4	10.6	30.8	
2-3 PM	3503	0.0	1500	1500	2003	16.27+	400	66.4	10.6	30.8	
3-4 PM	3422	0.0	1500	1500	1922	16.27+	400	66.5	10.6	30.8	
4-5 PM	3419	0.0	1500	1500	1919	16.27+	400	66.5	10.6	30.8	
5-6 PM	3169	0.0	1500	1500	1669	16.28+	400	66.8	10.6	30.8	
6-7 PM	2790	0.0	1500	1500	1290	16.31+	400	67.3	10.6	30.8	
7-8 PM	2453	0.0	1500	1500	953	16.32+	400	67.7	10.6	30.8	
8-9 PM	1994	0.0	1500	1500	494	16.35+	400	68.2	10.6	30.8	
9-10 PM	1490	0.0	1499	1394	96	15.41+	375	68.9	11.1	30.8	
10-11 PM	991	0.0	1499	991	0	3.36	129	69.5	32.4	37.6	
11PM-MID	475	0.0	1500	475	0	0.53	0	70.2	59.3	43.6	

+ 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

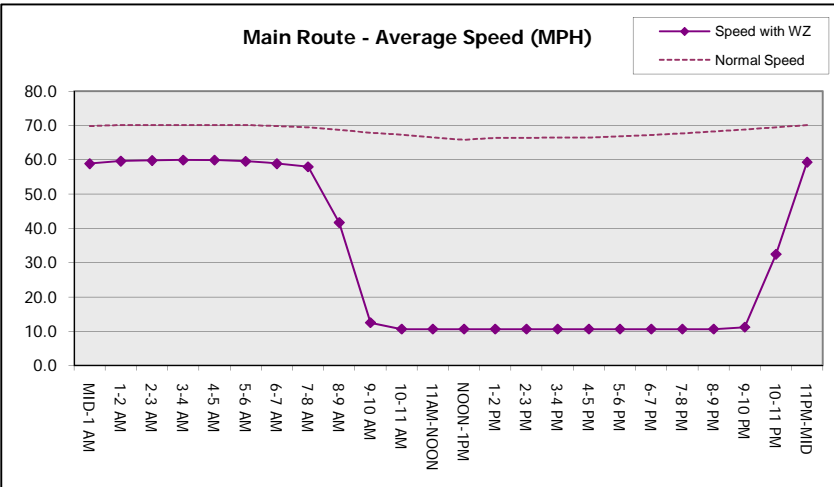
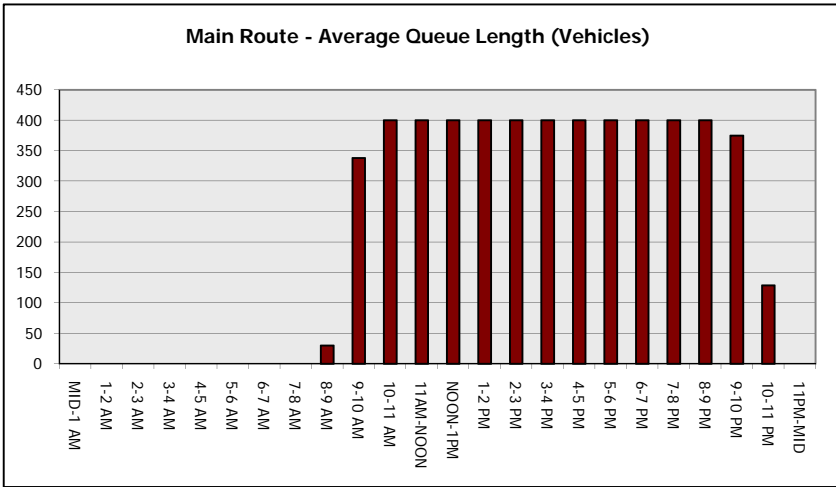
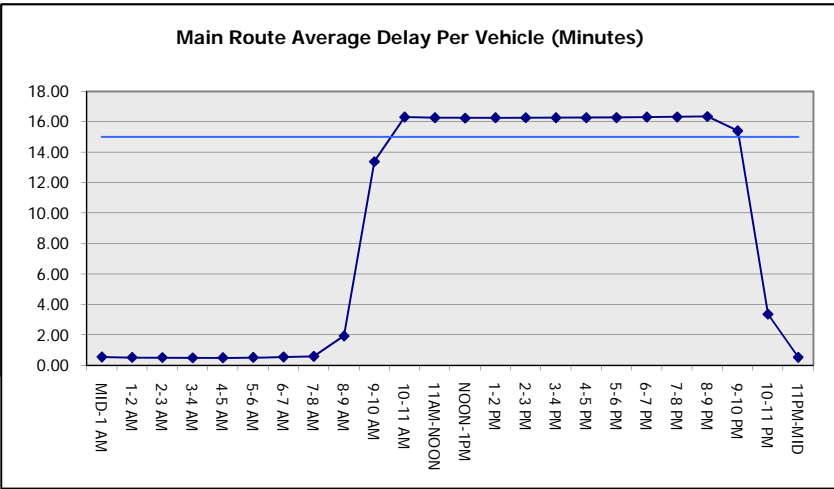
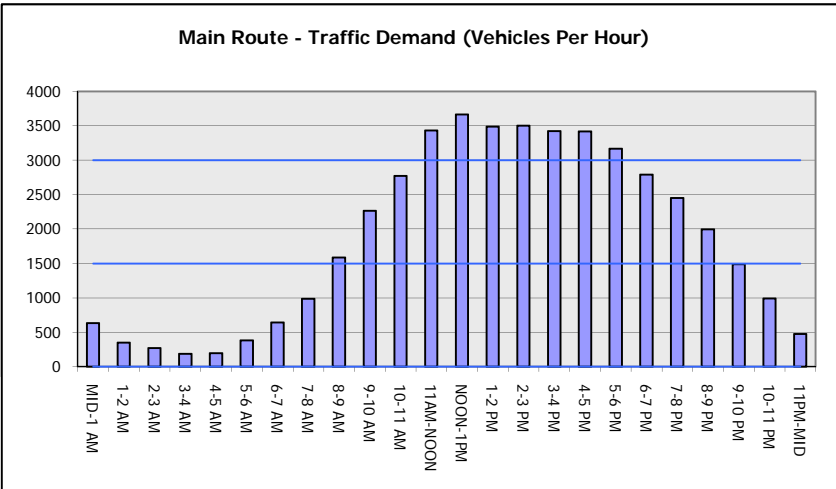
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0241
MAIN ROUTE WITH WORKS	0.0125
'DIVERSION'	0.0228
<small>PIA: Personal Injury Accidents</small>	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$172,227
CONGESTED HOURS PER DAY*	13

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY SOUTHBOUND DIRECTION



IH 43: SILVER SPRING DR TO STH 190 (MILWAUKEE COUNTY) CONTINUOUS (24 HOUR) 2 LANE CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	MAY
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SUMMARY OF TRAFFIC MODEL OUTPUT

SUNDAY 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	956	0.0	1500	956	0	0.58	0	69.6	58.0	41.9
1-2 AM	706	0.0	1500	706	0	0.56	0	69.9	58.7	42.7
2-3 AM	740	0.0	1500	740	0	0.56	0	69.8	58.6	42.6
3-4 AM	373	0.0	1500	373	0	0.52	0	70.2	59.6	44.0
4-5 AM	291	0.0	1500	291	0	0.51	0	70.2	59.7	44.3
5-6 AM	366	0.0	1500	366	0	0.52	0	70.2	59.6	44.0
6-7 AM	576	0.0	1500	576	0	0.54	0	70.0	59.1	43.2
7-8 AM	850	0.0	1500	850	0	0.57	0	69.7	58.3	42.2
8-9 AM	1240	0.0	1499	1240	0	0.75	0	69.2	55.1	37.5
9-10 AM	1857	0.0	1499	1857	0	5.45	147	68.4	24.2	30.8
10-11 AM	2239	0.0	1499	1500	739	16.34+	399	67.9	10.6	30.8
11AM-NOON	2798	0.0	1500	1500	1298	16.31+	400	67.3	10.6	30.8
NOON-1PM	2968	0.0	1500	1500	1468	16.30+	400	67.1	10.6	30.8
1-2 PM	3235	0.0	1500	1500	1735	16.28+	400	66.7	10.6	30.8
2-3 PM	3135	0.0	1500	1500	1635	16.29+	400	66.8	10.6	30.8
3-4 PM	3260	0.0	1500	1500	1760	16.28+	400	66.7	10.6	30.8
4-5 PM	3738	0.0	1500	1500	2238	16.22+	400	65.3	10.6	30.8
5-6 PM	3316	0.0	1500	1500	1816	16.28+	400	66.6	10.6	30.8
6-7 PM	2533	0.0	1500	1500	1033	16.32+	400	67.6	10.6	30.8
7-8 PM	2305	0.0	1499	1500	805	16.33+	400	67.9	10.6	30.8
8-9 PM	1898	0.0	1500	1513	385	16.30+	398	68.4	10.6	30.8
9-10 PM	1557	0.0	1500	1503	55	15.93+	388	68.8	10.8	30.8
10-11 PM	1130	0.0	1499	1130	0	7.57	215	69.3	19.4	34.5
11PM-MID	667	0.0	1500	667	0	0.55	0	69.9	58.8	42.8

+ 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	0.0231
MAIN ROUTE WITH WORKS	0.0132
'DIVERSION'	0.0187

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$156,076
CONGESTED HOURS PER DAY*	12

*Delays Exceeding User-Specified Maximum

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