

IH 43: SILVER SPRING DR TO STH 190 (MILWAUKEE COUNTY) NIGHTTIME 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	OFF	2265	0	0.03	2	67.9	67.3	67.3	
10-11 AM	2771	0.0	OFF	2771	0	0.00	0	67.3	67.3	67.3	
11AM-NOON	3433	0.0	OFF	3433	0	0.00	0	66.4	66.4	66.4	
NOON-1PM	3667	0.0	OFF	3667	0	0.00	0	65.8	65.8	65.8	
1-2 PM	3489	0.0	OFF	3489	0	0.00	0	66.4	66.4	66.4	
2-3 PM	3503	0.0	OFF	3503	0	0.00	0	66.4	66.4	66.4	
3-4 PM	3422	0.0	OFF	3422	0	0.00	0	66.5	66.5	66.5	
4-5 PM	3419	0.0	OFF	3419	0	0.00	0	66.5	66.5	66.5	
5-6 PM	3169	0.0	OFF	3169	0	0.00	0	66.8	66.8	66.8	
6-7 PM	2790	0.0	OFF	2790	0	0.00	0	67.3	67.3	67.3	
7-8 PM	2453	0.0	1499	1901	552	12.96+	322	67.7	12.7	32.4	
8-9 PM	1994	0.0	1499	1500	494	16.35+	399	68.2	10.6	30.8	
9-10 PM	1490	0.0	1500	1432	57	15.71+	383	68.9	10.9	30.8	
10-11 PM	991	0.0	1499	991	0	3.49	134	69.5	31.7	37.4	
11PM-MID	475	0.0	1500	475	0	0.53	0	70.2	59.3	43.6	

"OFF" INDICATES NO ROAD WORK (ALL LANES OPEN TO TRAFFIC)

+ 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

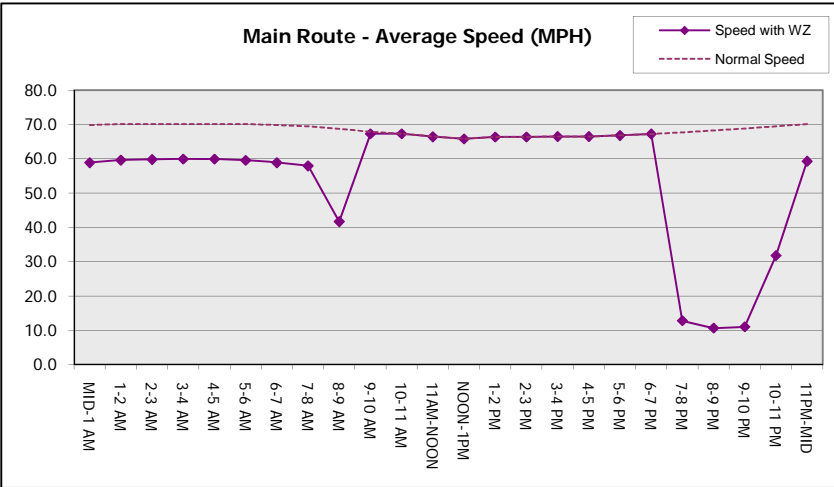
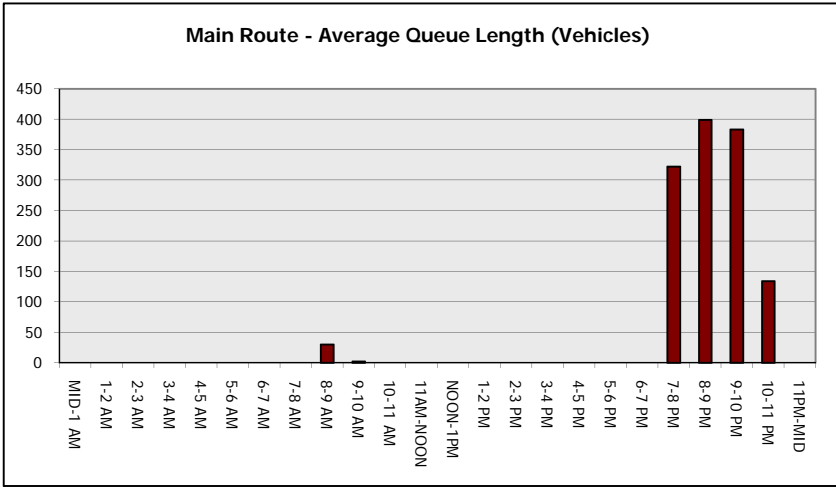
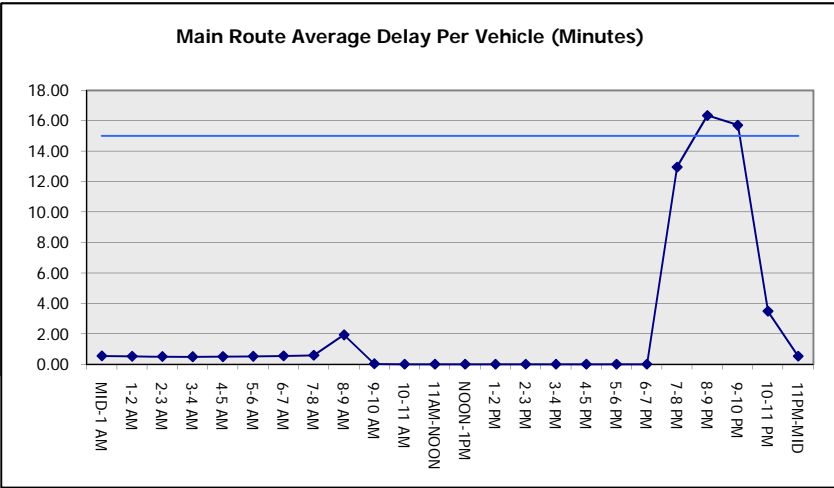
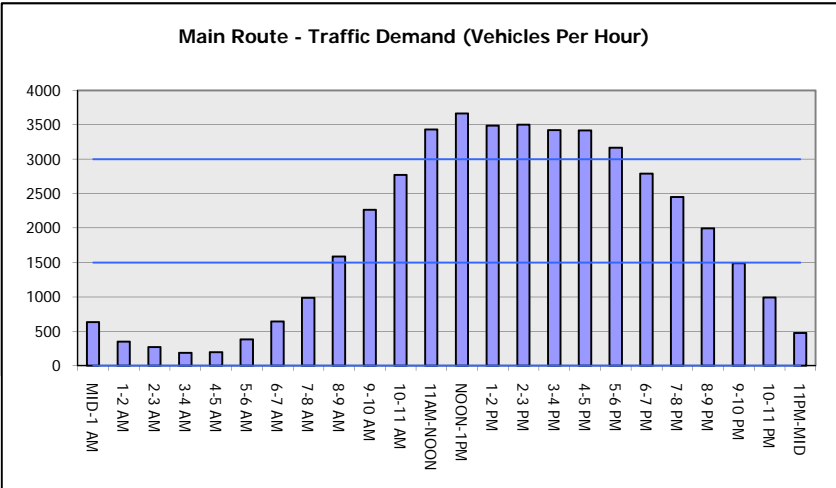
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0241
MAIN ROUTE WITH WORKS	0.0227
'DIVERSION'	0.0014
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$25,700
CONGESTED HOURS PER DAY*	3

*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) NIGHTTIME 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	OFF	1857	0	0.00	0	68.4	68.4	68.4
10-11 AM	2239	0.0	OFF	2239	0	0.00	0	67.9	67.9	67.9
11AM-NOON	2798	0.0	OFF	2798	0	0.00	0	67.3	67.3	67.3
NOON-1PM	2968	0.0	OFF	2968	0	0.00	0	67.1	67.1	67.1
1-2 PM	3235	0.0	OFF	3235	0	0.00	0	66.7	66.7	66.7
2-3 PM	3135	0.0	OFF	3135	0	0.00	0	66.8	66.8	66.8
3-4 PM	3260	0.0	OFF	3260	0	0.00	0	66.7	66.7	66.7
4-5 PM	3738	0.0	OFF	3738	0	0.00	0	65.3	65.3	65.3
5-6 PM	3316	0.0	OFF	3316	0	0.00	0	66.6	66.6	66.6
6-7 PM	2533	0.0	OFF	2533	0	0.00	0	67.6	67.6	67.6
7-8 PM	2305	0.0	1499	1942	363	12.19+	310	67.9	13.4	30.8
8-9 PM	1898	0.0	1500	1478	420	16.27+	397	68.4	10.6	30.8
9-10 PM	1557	0.0	1499	1458	100	16.19+	395	68.8	10.6	30.8
10-11 PM	1130	0.0	1499	1130	0	7.79	220	69.3	19.0	34.4
11PM-MID	667	0.0	1500	667	0	0.55	0	69.9	58.7	42.8

"OFF" INDICATES NO ROAD WORK (ALL LANES OPEN TO TRAFFIC)

+ 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	0.0218
'DIVERSION'	0.0011

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$25,793
CONGESTED HOURS PER DAY*	3

*Delays Exceeding User-Specified Maximum

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SUNDAY NORTHBOUND DIRECTION

