

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

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	1046	0.0	3000	1046	0	0.35	0	69.4	62.0	49.7
1-2 AM	565	0.0	3000	565	0	0.36	0	70.0	62.3	49.7
2-3 AM	269	0.0	3000	269	0	0.36	0	70.2	62.5	49.7
3-4 AM	205	0.0	3000	205	0	0.36	0	70.2	62.5	49.7
4-5 AM	240	0.0	3000	240	0	0.36	0	70.2	62.5	49.7
5-6 AM	397	0.0	3000	397	0	0.36	0	70.2	62.5	49.7
6-7 AM	690	0.0	3000	690	0	0.36	0	69.9	62.3	49.7
7-8 AM	979	0.0	3000	979	0	0.35	0	69.5	62.1	49.7
8-9 AM	1437	0.0	3000	1437	0	0.34	0	68.9	61.8	49.7
9-10 AM	2311	0.0	2999	2311	0	0.37	0	67.9	60.4	48.2
10-11 AM	2987	0.0	2999	2987	0	0.92	14	67.0	51.4	38.4
11AM-NOON	3359	0.0	3000	3359	0	4.23	214	66.6	27.9	37.3
NOON-1PM	3768	0.0	3000	3379	389	13.42+	720	65.1	13.3	37.3
1-2 PM	3663	0.0	3000	3009	653	15.88+	838	65.8	12.2	37.3
2-3 PM	3832	0.0	3000	3008	825	15.82+	838	64.6	12.2	37.3
3-4 PM	3721	0.0	3000	3006	716	15.86+	838	65.5	12.2	37.3
4-5 PM	3743	0.0	3000	3004	738	15.85+	838	65.3	12.2	37.3
5-6 PM	3302	0.0	3000	3003	299	15.89+	836	66.6	12.2	37.3
6-7 PM	3201	0.0	3000	3002	199	15.89+	836	66.8	12.2	37.3
7-8 PM	2487	0.0	2999	2487	0	11.29+	606	67.6	14.8	37.9
8-9 PM	2115	0.0	3000	2115	0	1.08	64	68.1	50.1	48.7
9-10 PM	1626	0.0	3000	1626	0	0.34	0	68.7	61.6	49.7
10-11 PM	1080	0.0	3000	1080	0	0.35	0	69.4	62.0	49.7
11PM-MID	671	0.0	3000	671	0	0.36	0	69.9	62.3	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

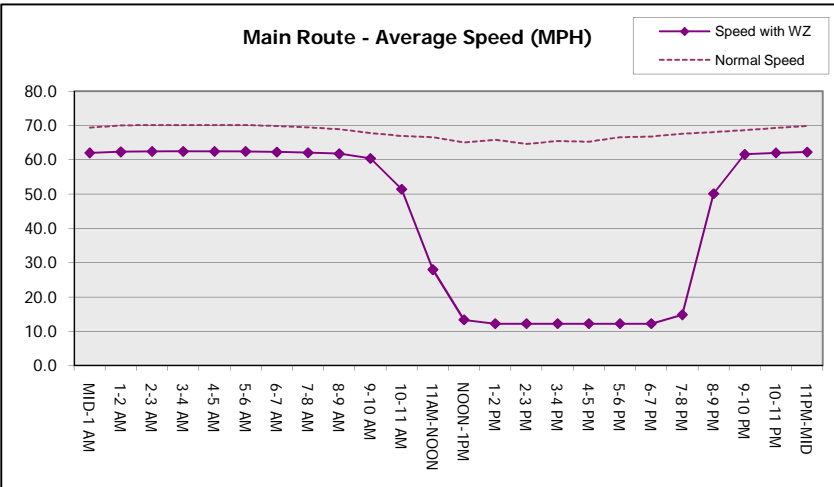
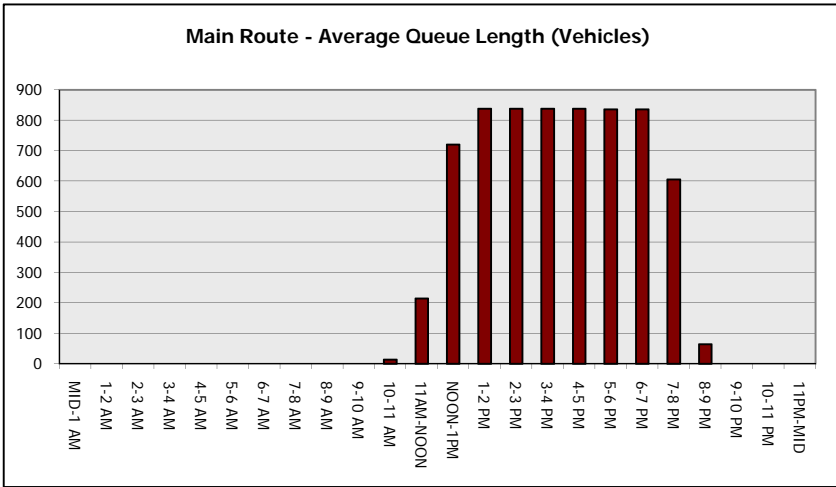
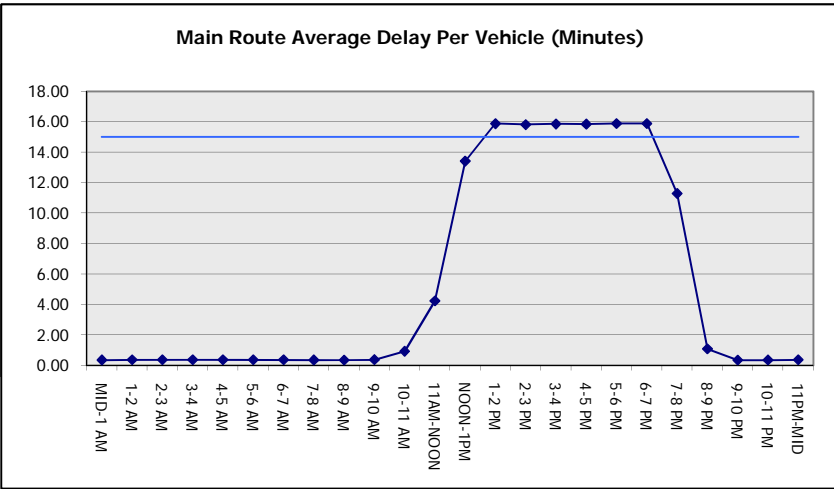
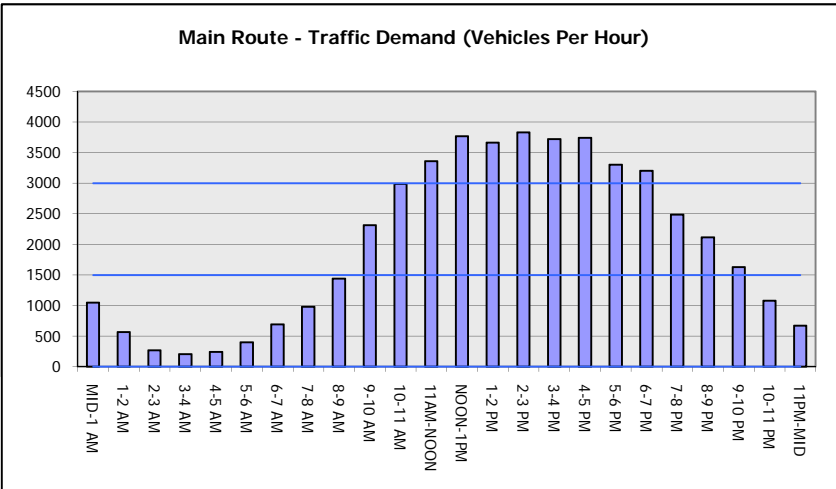
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0258
MAIN ROUTE WITH WORKS	0.0208
'DIVERSION'	0.0048
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$124,448
CONGESTED HOURS PER DAY*	8

*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) CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	AUGUST
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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	1142	0.0	3000	1142	0	0.35	0	69.3	62.0	49.7
1-2 AM	728	0.0	3000	728	0	0.35	0	69.8	62.3	49.7
2-3 AM	686	0.0	3000	686	0	0.36	0	69.9	62.3	49.7
3-4 AM	346	0.0	3000	346	0	0.36	0	70.2	62.5	49.7
4-5 AM	254	0.0	3000	254	0	0.36	0	70.2	62.5	49.7
5-6 AM	386	0.0	3000	386	0	0.36	0	70.2	62.5	49.7
6-7 AM	598	0.0	3000	598	0	0.36	0	70.0	62.3	49.7
7-8 AM	838	0.0	3000	838	0	0.35	0	69.7	62.2	49.7
8-9 AM	1181	0.0	3000	1181	0	0.35	0	69.2	61.9	49.7
9-10 AM	1707	0.0	3000	1707	0	0.34	0	68.6	61.6	49.7
10-11 AM	2229	0.0	3000	2229	0	0.33	0	67.9	61.2	49.7
11AM-NOON	2735	0.0	2999	2735	0	0.55	0	67.3	56.9	41.9
NOON-1PM	2957	0.0	2999	2957	0	0.74	2	67.1	54.0	38.1
1-2 PM	3243	0.0	3000	3243	0	2.86	129	66.7	34.5	37.3
2-3 PM	3029	0.0	2999	3029	0	5.62	269	66.9	23.5	37.3
3-4 PM	3181	0.0	3000	3181	0	7.37	370	66.8	19.6	37.3
4-5 PM	3108	0.0	2999	3108	0	10.25	526	66.9	15.3	37.3
5-6 PM	2881	0.0	2999	2881	0	10.27	526	67.1	15.3	37.3
6-7 PM	2621	0.0	2999	2621	0	5.37	282	67.5	24.3	38.9
7-8 PM	2239	0.0	3000	2239	0	0.39	3	67.9	60.1	49.7
8-9 PM	1935	0.0	3000	1935	0	0.34	0	68.3	61.4	49.7
9-10 PM	1797	0.0	3000	1797	0	0.34	0	68.5	61.5	49.7
10-11 PM	1426	0.0	3000	1426	0	0.34	0	68.9	61.8	49.7
11PM-MID	996	0.0	3000	996	0	0.35	0	69.5	62.1	49.7

----- 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	0.0228
MAIN ROUTE WITH WORKS	0.0201
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$38,093
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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