

IH 43: SILVER SPRING DR TO STH 190 (MILWAUKEE COUNTY) NIGHTTIME CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	MAY
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

SATURDAY 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	649	0.0	3000	649	0	0.36	0	69.9	62.3	49.7
1-2 AM	350	0.0	3000	350	0	0.36	0	70.2	62.5	49.7
2-3 AM	285	0.0	3000	285	0	0.36	0	70.2	62.5	49.7
3-4 AM	290	0.0	3000	290	0	0.36	0	70.2	62.5	49.7
4-5 AM	398	0.0	3000	398	0	0.36	0	70.2	62.5	49.7
5-6 AM	634	0.0	3000	634	0	0.36	0	69.9	62.3	49.7
6-7 AM	1133	0.0	3000	1133	0	0.35	0	69.3	62.0	49.7
7-8 AM	1767	0.0	3000	1767	0	0.34	0	68.6	61.5	49.7
8-9 AM	2373	0.0	OFF	2373	0	0.00	0	67.8	67.8	67.8
9-10 AM	1876	0.0	OFF	1876	0	0.00	0	68.4	68.4	68.4
10-11 AM	2078	0.0	OFF	2078	0	0.00	0	68.1	68.1	68.1
11AM-NOON	2505	0.0	OFF	2505	0	0.00	0	67.6	67.6	67.6
NOON-1PM	3401	0.0	OFF	3401	0	0.00	0	66.5	66.5	66.5
1-2 PM	3301	0.0	OFF	3301	0	0.00	0	66.6	66.6	66.6
2-3 PM	3539	0.0	OFF	3539	0	0.00	0	66.3	66.3	66.3
3-4 PM	3447	0.0	OFF	3447	0	0.00	0	66.4	66.4	66.4
4-5 PM	3513	0.0	OFF	3513	0	0.00	0	66.4	66.4	66.4
5-6 PM	3328	0.0	OFF	3328	0	0.00	0	66.6	66.6	66.6
6-7 PM	3161	0.0	2999	3161	0	2.88	123	66.8	34.4	37.3
7-8 PM	1956	0.0	3000	1956	0	0.54	16	68.3	57.8	49.7
8-9 PM	1303	0.0	3000	1303	0	0.35	0	69.1	61.9	49.7
9-10 PM	1846	0.0	3000	1846	0	0.34	0	68.4	61.5	49.7
10-11 PM	1635	0.0	3000	1635	0	0.34	0	68.7	61.6	49.7
11PM-MID	1117	0.0	3000	1117	0	0.35	0	69.4	62.0	49.7

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

----- SITE BREAKDOWN DELAYS -----	
BREAKDOWN DURATION (MINS)	0
RANGE OF QUEUE DELAY - MIN	0.0
(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	0
(VEH-H) MAX	0
AV BREAKDOWNS PER DAY	0
AV QUEUE DELAY/DAY (VEH-H)	0
AV TOTAL DELAY/DAY (VEH-H)	0

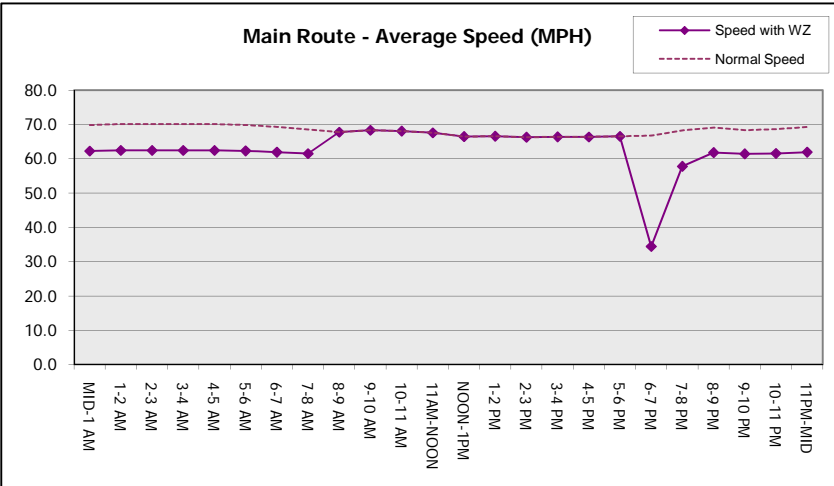
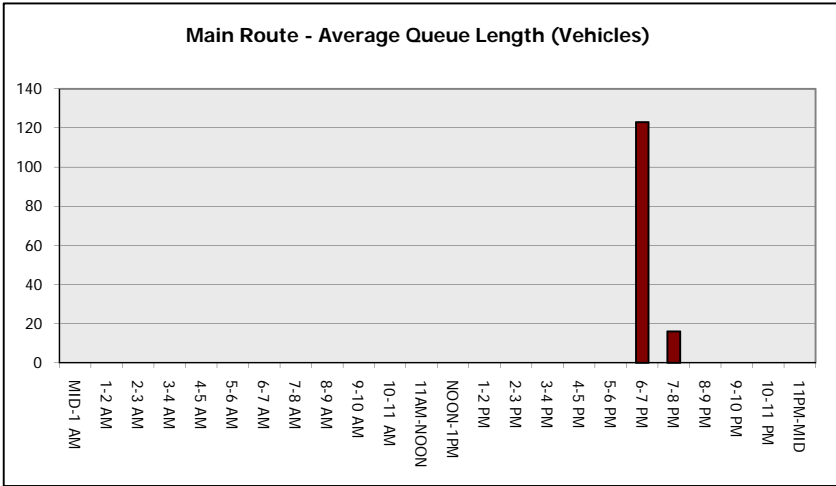
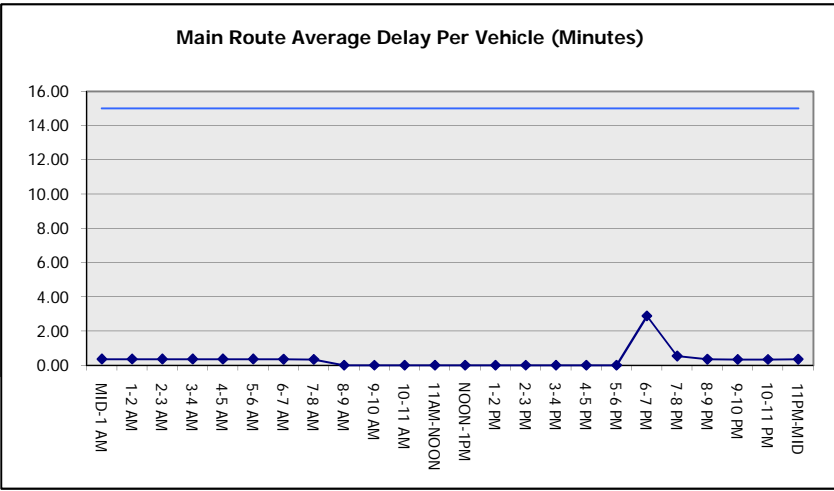
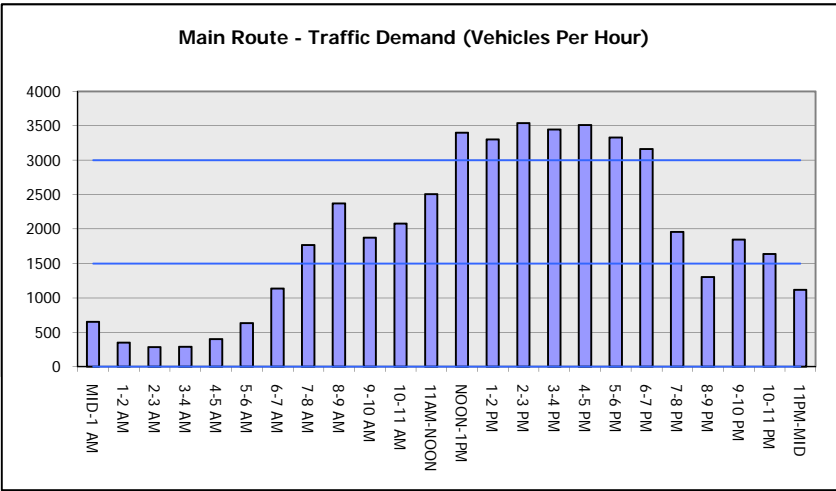
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0248
MAIN ROUTE WITH WORKS	0.0237
'DIVERSION'	0.0000
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$3,411
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SATURDAY SOUTHBOUND DIRECTION



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SUMMARY OF TRAFFIC MODEL OUTPUT

SATURDAY 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	1015	0.0	3000	1015	0	0.35	0	69.5	62.0	49.7
1-2 AM	700	0.0	3000	700	0	0.36	0	69.9	62.3	49.7
2-3 AM	618	0.0	3000	618	0	0.36	0	70.0	62.3	49.7
3-4 AM	398	0.0	3000	398	0	0.36	0	70.2	62.5	49.7
4-5 AM	386	0.0	3000	386	0	0.36	0	70.2	62.5	49.7
5-6 AM	706	0.0	3000	706	0	0.36	0	69.9	62.3	49.7
6-7 AM	1174	0.0	3000	1174	0	0.35	0	69.3	62.0	49.7
7-8 AM	1866	0.0	3000	1866	0	0.34	0	68.4	61.5	49.7
8-9 AM	2334	0.0	OFF	2334	0	0.00	0	67.8	67.8	67.8
9-10 AM	1847	0.0	OFF	1847	0	0.00	0	68.4	68.4	68.4
10-11 AM	1969	0.0	OFF	1969	0	0.00	0	68.3	68.3	68.3
11AM-NOON	2469	0.0	OFF	2469	0	0.00	0	67.7	67.7	67.7
NOON-1PM	3497	0.0	OFF	3497	0	0.00	0	66.4	66.4	66.4
1-2 PM	3368	0.0	OFF	3368	0	0.00	0	66.6	66.6	66.6
2-3 PM	3373	0.0	OFF	3373	0	0.00	0	66.6	66.6	66.6
3-4 PM	3418	0.0	OFF	3418	0	0.00	0	66.5	66.5	66.5
4-5 PM	3129	0.0	OFF	3129	0	0.00	0	66.8	66.8	66.8
5-6 PM	2934	0.0	OFF	2934	0	0.00	0	67.1	67.1	67.1
6-7 PM	2639	0.0	3000	2639	0	0.49	0	67.4	58.0	43.7
7-8 PM	1662	0.0	3000	1662	0	0.34	0	68.7	61.6	49.7
8-9 PM	1445	0.0	3000	1445	0	0.34	0	68.9	61.8	49.7
9-10 PM	2263	0.0	3000	2263	0	0.33	0	67.9	61.2	49.7
10-11 PM	1991	0.0	3000	1991	0	0.33	0	68.2	61.4	49.7
11PM-MID	1440	0.0	3000	1440	0	0.34	0	68.9	61.8	49.7

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

----- SITE BREAKDOWN DELAYS -----	
BREAKDOWN DURATION (MINS)	0
RANGE OF QUEUE DELAY - MIN	0.0
(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	0
(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	0.0252
MAIN ROUTE WITH WORKS	0.0240
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$1,607
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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