

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

SUMMARY OF TRAFFIC MODEL OUTPUT

FRIDAY 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	502	0.0	3000	502	0	0.36	0	70.1	62.4	49.7	
1-2 AM	296	0.0	3000	296	0	0.36	0	70.2	62.5	49.7	
2-3 AM	256	0.0	3000	256	0	0.36	0	70.2	62.5	49.7	
3-4 AM	261	0.0	3000	261	0	0.36	0	70.2	62.5	49.7	
4-5 AM	591	0.0	3000	591	0	0.36	0	70.0	62.3	49.7	
5-6 AM	1442	0.0	OFF	1442	0	0.00	0	68.9	68.9	68.9	
6-7 AM	3346	0.0	OFF	3346	0	0.00	0	66.6	66.6	66.6	
7-8 AM	4525	0.0	OFF	4525	0	0.00	0	59.9	59.9	59.9	
8-9 AM	4493	0.0	OFF	4493	0	0.00	0	60.2	60.2	60.2	
9-10 AM	3614	0.0	OFF	3614	0	0.00	0	66.1	66.1	66.1	
10-11 AM	3405	0.0	OFF	3405	0	0.00	0	66.5	66.5	66.5	
11AM-NOON	3630	0.0	OFF	3630	0	0.00	0	66.1	66.1	66.1	
NOON-1PM	3792	0.0	OFF	3792	0	0.00	0	65.0	65.0	65.0	
1-2 PM	3920	0.0	OFF	3920	0	0.00	0	64.1	64.1	64.1	
2-3 PM	4219	0.0	OFF	4219	0	0.00	0	62.0	62.0	62.0	
3-4 PM	4031	0.0	OFF	4031	0	0.00	0	63.3	63.3	63.3	
4-5 PM	4673	0.0	OFF	4673	0	0.00	0	58.9	58.9	58.9	
5-6 PM	4597	0.0	OFF	4597	0	0.00	0	59.4	59.4	59.4	
6-7 PM	3762	0.0	OFF	3762	0	0.00	0	65.1	65.1	65.1	
7-8 PM	2704	0.0	3000	2704	0	0.54	0	67.4	57.3	42.4	
8-9 PM	2113	0.0	3000	2113	0	0.33	0	68.1	61.3	49.7	
9-10 PM	1938	0.0	3000	1938	0	0.34	0	68.3	61.4	49.7	
10-11 PM	1732	0.0	3000	1732	0	0.34	0	68.6	61.5	49.7	
11PM-MID	1263	0.0	3000	1263	0	0.35	0	69.2	61.9	49.7	

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

----- 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

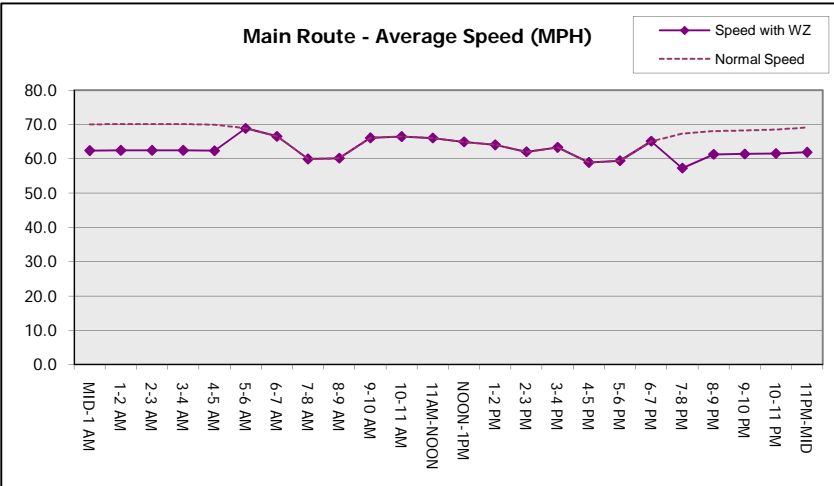
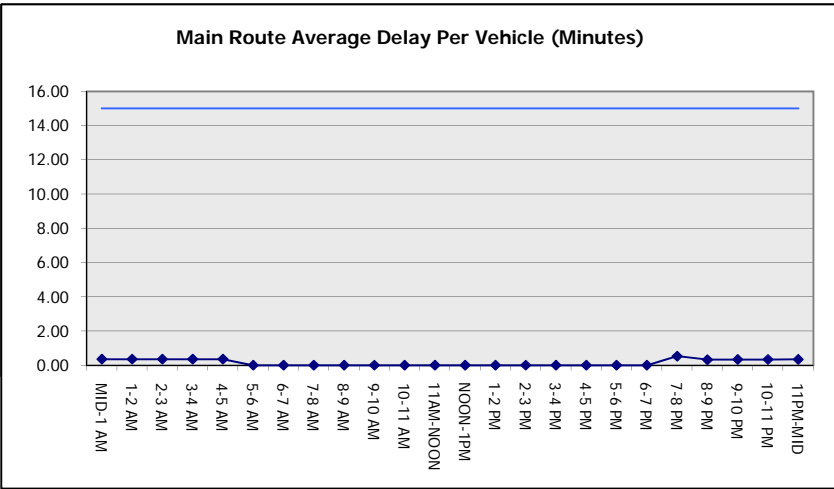
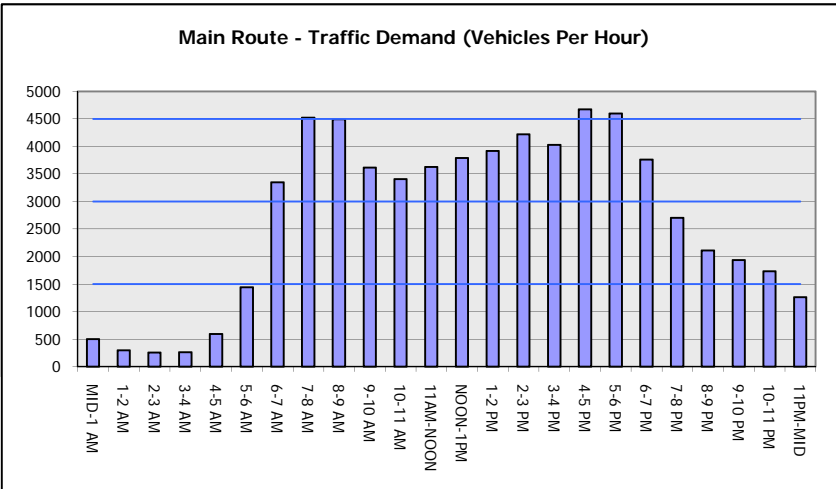
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0352
MAIN ROUTE WITH WORKS	0.0344
'DIVERSION'	0.0000
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$959
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY SOUTHBOUND DIRECTION



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SUMMARY OF TRAFFIC MODEL OUTPUT

FRIDAY 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	870	0.0	3000	870	0	0.35	0	69.7	62.2	49.7
1-2 AM	554	0.0	3000	554	0	0.36	0	70.0	62.3	49.7
2-3 AM	426	0.0	3000	426	0	0.36	0	70.2	62.5	49.7
3-4 AM	397	0.0	3000	397	0	0.36	0	70.2	62.5	49.7
4-5 AM	571	0.0	3000	571	0	0.36	0	70.0	62.3	49.7
5-6 AM	1577	0.0	OFF	1577	0	0.00	0	68.7	68.7	68.7
6-7 AM	3356	0.0	OFF	3356	0	0.00	0	66.6	66.6	66.6
7-8 AM	4055	0.0	OFF	4055	0	0.00	0	63.2	63.2	63.2
8-9 AM	4047	0.0	OFF	4047	0	0.00	0	63.2	63.2	63.2
9-10 AM	3341	0.0	OFF	3341	0	0.00	0	66.6	66.6	66.6
10-11 AM	3371	0.0	OFF	3371	0	0.00	0	66.6	66.6	66.6
11AM-NOON	3849	0.0	OFF	3849	0	0.00	0	64.6	64.6	64.6
NOON-1PM	4092	0.0	OFF	4092	0	0.00	0	62.9	62.9	62.9
1-2 PM	4290	0.0	OFF	4290	0	0.00	0	61.5	61.5	61.5
2-3 PM	4534	0.0	OFF	4534	0	0.00	0	59.9	59.9	59.9
3-4 PM	5133	0.0	OFF	5133	0	0.00	0	55.8	55.8	55.8
4-5 PM	5470	0.0	OFF	5470	0	0.00	0	53.5	53.5	53.5
5-6 PM	5135	0.0	OFF	5135	0	0.00	0	55.8	55.8	55.8
6-7 PM	3704	0.0	OFF	3704	0	0.00	0	65.6	65.6	65.6
7-8 PM	2945	0.0	2999	2945	0	0.97	17	67.1	50.8	38.8
8-9 PM	2488	0.0	3000	2488	0	0.39	0	67.6	59.8	47.1
9-10 PM	2565	0.0	3000	2565	0	0.44	0	67.6	58.9	45.3
10-11 PM	2739	0.0	3000	2739	0	0.56	0	67.3	56.8	41.7
11PM-MID	1806	0.0	3000	1806	0	0.34	0	68.5	61.5	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	0.0386
MAIN ROUTE WITH WORKS	0.0376
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$1,715
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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