

<b>IH 43: SILVER SPRING DR TO STH 190 (MILWAUKEE COUNTY)</b> <b>OFF-PEAK DAY CLOSURE</b> <b>NO DIVERSION ROUTE (MAX QUEUE METHOD)</b>	<b>MAY</b>
	Analyzed for 2009 Construction Season

**SUMMARY OF TRAFFIC MODEL OUTPUT**

MON-THUR                  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	387	0.0	OFF	387	0	0.00	0	70.2	70.2	70.2
1-2 AM	206	0.0	OFF	206	0	0.00	0	70.2	70.2	70.2
2-3 AM	186	0.0	OFF	186	0	0.00	0	70.2	70.2	70.2
3-4 AM	231	0.0	OFF	231	0	0.00	0	70.2	70.2	70.2
4-5 AM	565	0.0	OFF	565	0	0.00	0	70.0	70.0	70.0
5-6 AM	1555	0.0	OFF	1555	0	0.00	0	68.8	68.8	68.8
6-7 AM	3976	0.0	OFF	3976	0	0.00	0	63.7	63.7	63.7
7-8 AM	5500	0.0	OFF	5500	0	0.00	0	53.3	53.3	53.3
8-9 AM	4833	0.0	OFF	4833	0	0.00	0	57.8	57.8	57.8
9-10 AM	3096	0.0	OFF	3096	0	0.00	0	66.9	66.9	66.9
10-11 AM	2890	0.0	3000	2890	0	0.66	0	67.1	55.2	39.0
11AM-NOON	3124	0.0	2999	3124	0	1.54	48	66.9	44.4	37.3
NOON-1PM	3318	0.0	3000	3318	0	5.49	277	66.6	23.8	37.3
1-2 PM	3301	0.0	2999	3301	0	11.12	580	66.6	14.7	37.3
2-3 PM	3701	0.0	2999	3048	653	15.84+	836	65.6	12.2	37.3
3-4 PM	3629	0.0	OFF	3629	0	1.59	131	66.1	43.5	43.5
4-5 PM	3885	0.0	OFF	3885	0	0.00	0	64.3	64.3	64.3
5-6 PM	4343	0.0	OFF	4343	0	0.00	0	61.2	61.2	61.2
6-7 PM	3282	0.0	OFF	3282	0	0.00	0	66.6	66.6	66.6
7-8 PM	2305	0.0	OFF	2305	0	0.00	0	67.9	67.9	67.9
8-9 PM	1926	0.0	OFF	1926	0	0.00	0	68.3	68.3	68.3
9-10 PM	1646	0.0	OFF	1646	0	0.00	0	68.7	68.7	68.7
10-11 PM	1165	0.0	OFF	1165	0	0.00	0	69.3	69.3	69.3
11PM-MID	744	0.0	OFF	744	0	0.00	0	69.8	69.8	69.8

"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

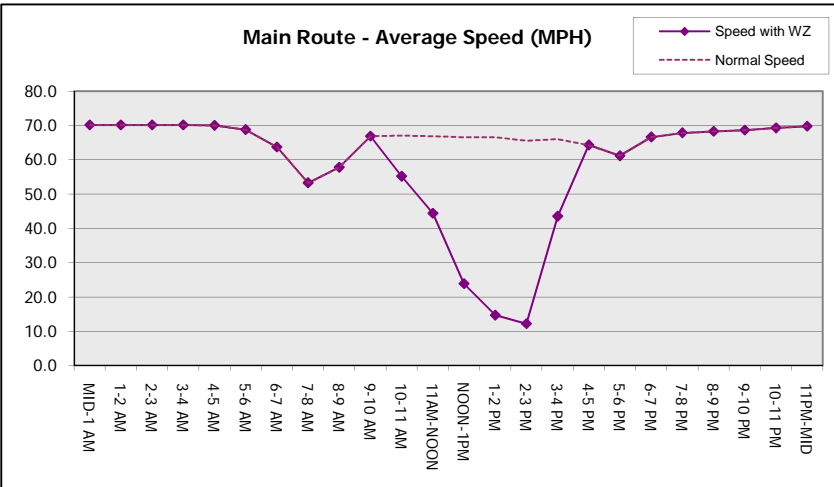
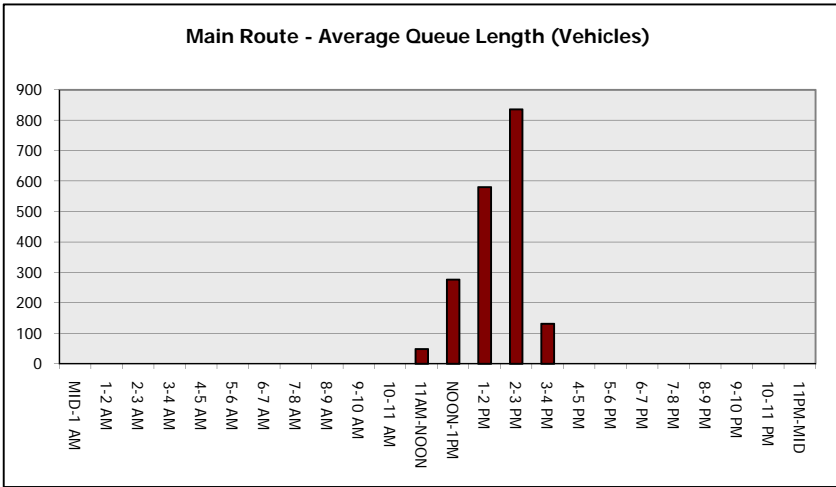
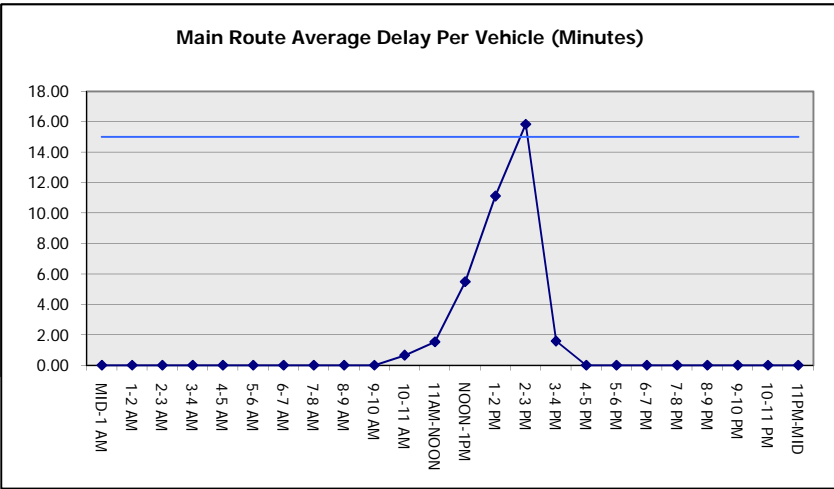
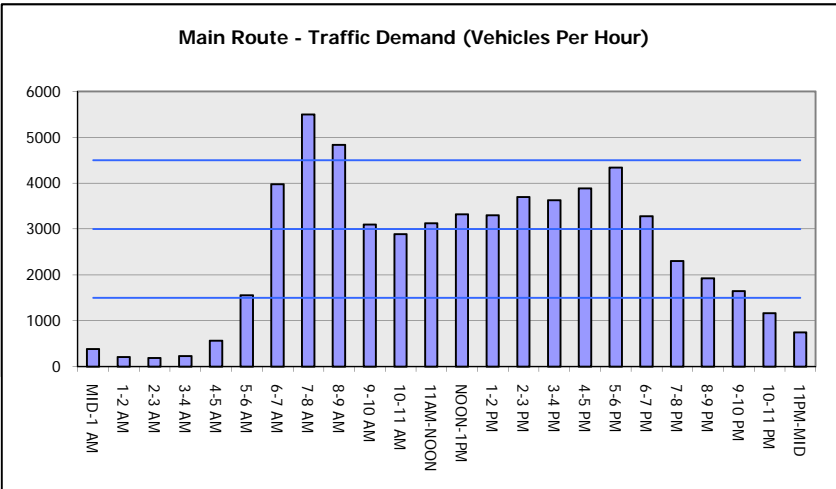
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0323
MAIN ROUTE WITH WORKS	0.0310
'DIVERSION'	0.0008
<small>PIA: Personal Injury Accidents</small>	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$23,731
CONGESTED HOURS PER DAY*	1

\*Delays Exceeding User-Specified Maximum

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**NO DIVERSION ROUTE (MAX QUEUE METHOD)**

**MAY**  
 Analyzed for 2009  
 Construction Season

**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**MON-THUR SOUTHBOUND DIRECTION**



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**SUMMARY OF TRAFFIC MODEL OUTPUT**

MON-THUR                      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	525	0.0	OFF	525	0	0.00	0	70.1	70.1	70.1
1-2 AM	342	0.0	OFF	342	0	0.00	0	70.2	70.2	70.2
2-3 AM	260	0.0	OFF	260	0	0.00	0	70.2	70.2	70.2
3-4 AM	291	0.0	OFF	291	0	0.00	0	70.2	70.2	70.2
4-5 AM	481	0.0	OFF	481	0	0.00	0	70.1	70.1	70.1
5-6 AM	1623	0.0	OFF	1623	0	0.00	0	68.7	68.7	68.7
6-7 AM	3401	0.0	OFF	3401	0	0.00	0	66.5	66.5	66.5
7-8 AM	4507	0.0	OFF	4507	0	0.00	0	60.1	60.1	60.1
8-9 AM	4149	0.0	OFF	4149	0	0.00	0	62.5	62.5	62.5
9-10 AM	2738	0.0	OFF	2738	0	0.00	0	67.3	67.3	67.3
10-11 AM	2743	0.0	2999	2743	0	0.56	0	67.3	56.8	41.6
11AM-NOON	2982	0.0	2999	2982	0	0.79	4	67.0	53.2	37.8
NOON-1PM	3198	0.0	3000	3198	0	2.56	109	66.8	36.3	37.3
1-2 PM	3276	0.0	2999	3276	0	6.62	335	66.6	21.1	37.3
2-3 PM	3849	0.0	3000	3367	482	14.24+	759	64.6	12.8	37.3
3-4 PM	4118	0.0	OFF	4118	0	2.30	196	62.7	36.7	36.7
4-5 PM	4769	0.0	OFF	4769	0	0.00	0	58.2	58.2	58.2
5-6 PM	5232	0.0	OFF	5232	0	0.00	0	55.1	55.1	55.1
6-7 PM	3536	0.0	OFF	3536	0	0.00	0	66.3	66.3	66.3
7-8 PM	2500	0.0	OFF	2500	0	0.00	0	67.6	67.6	67.6
8-9 PM	2155	0.0	OFF	2155	0	0.00	0	68.1	68.1	68.1
9-10 PM	2097	0.0	OFF	2097	0	0.00	0	68.1	68.1	68.1
10-11 PM	1459	0.0	OFF	1459	0	0.00	0	68.9	68.9	68.9
11PM-MID	903	0.0	OFF	903	0	0.00	0	69.6	69.6	69.6

"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	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	0.0331
MAIN ROUTE WITH WORKS	0.0318
'DIVERSION'	0.0006

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$18,461
CONGESTED HOURS PER DAY*	1

\*Delays Exceeding User-Specified Maximum

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**MON-THUR NORTHBOUND DIRECTION**

