

<b>IH 43: SILVER SPRING DR TO STH 190 (MILWAUKEE COUNTY)</b> <b>NIGHTTIME 2 LANE CLOSURE</b> <b>NO DIVERSION ROUTE (MAX QUEUE METHOD)</b>	<b>AUGUST</b>
	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	1500	502	0	0.87	16	70.1	54.0	43.4	
1-2 AM	296	0.0	1500	296	0	0.51	0	70.2	59.7	44.3	
2-3 AM	256	0.0	1500	256	0	0.50	0	70.2	59.8	44.5	
3-4 AM	261	0.0	1500	261	0	0.50	0	70.2	59.8	44.5	
4-5 AM	591	0.0	1500	591	0	0.54	0	70.0	59.0	43.2	
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	1499	1625	1080	14.47+	367	67.4	11.7	36.1	
8-9 PM	2113	0.0	1499	1790	324	13.73+	345	68.1	12.2	30.9	
9-10 PM	1938	0.0	1499	1500	438	16.35+	399	68.3	10.6	30.8	
10-11 PM	1732	0.0	1500	1500	232	16.36+	400	68.6	10.6	30.8	
11PM-MID	1263	0.0	1499	1257	6	13.14+	329	69.2	12.7	31.5	

"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

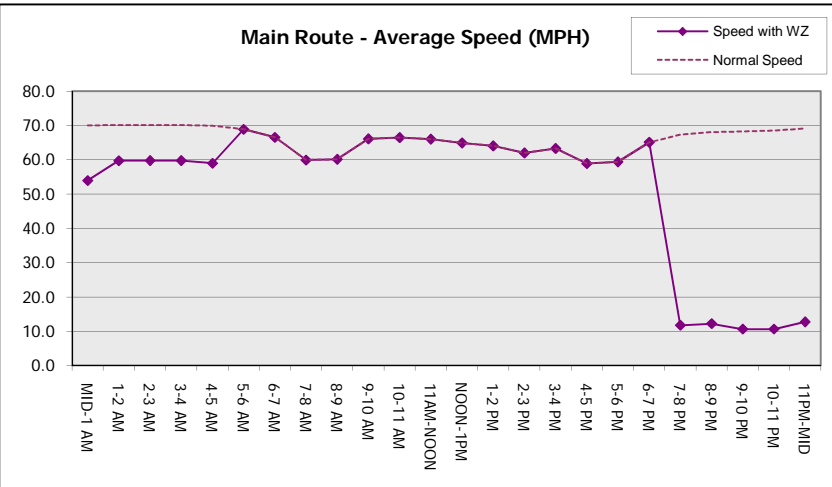
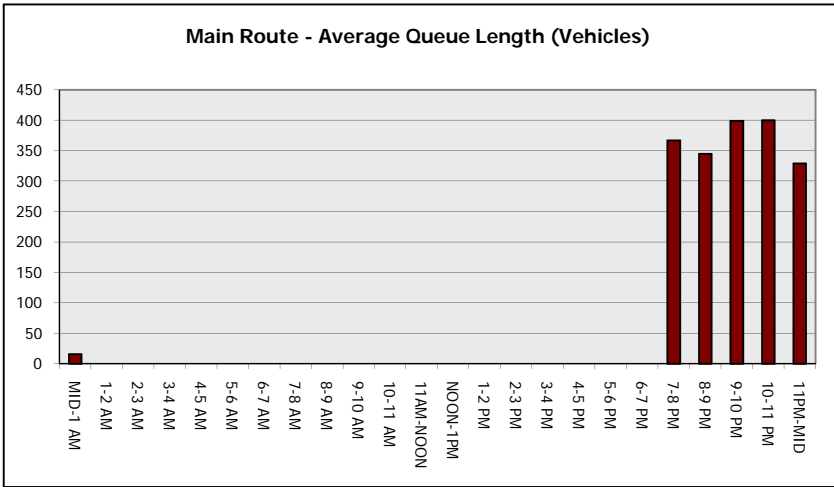
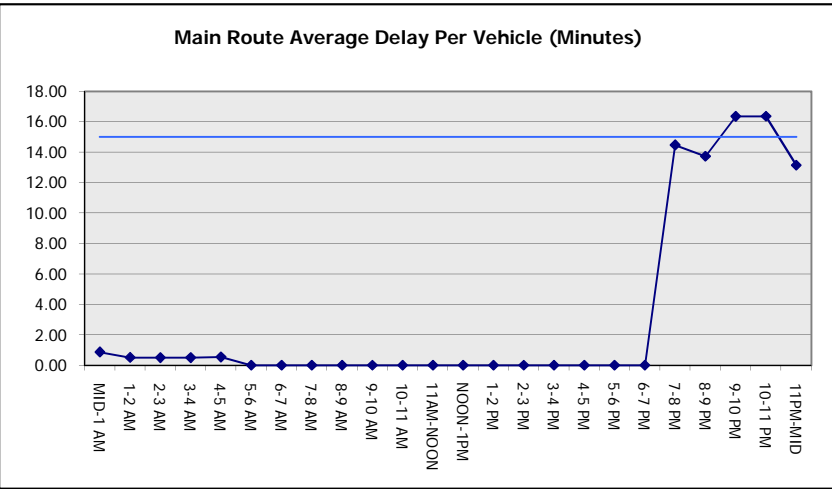
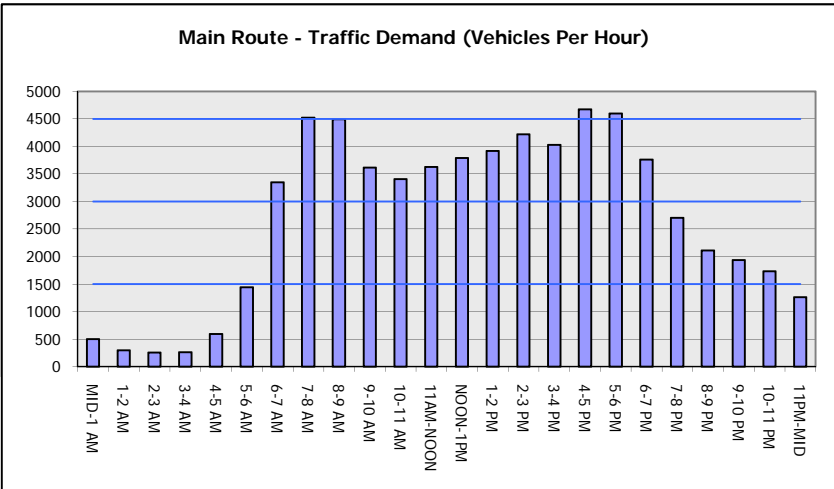
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0352
MAIN ROUTE WITH WORKS	0.0335
'DIVERSION'	0.0026
<small>PIA: Personal Injury Accidents</small>	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$34,411
CONGESTED HOURS PER DAY*	5

\*Delays Exceeding User-Specified Maximum

**IH 43: SILVER SPRING DR TO STH 190 (MILWAUKEE COUNTY)**  
**NIGHTTIME 2 LANE CLOSURE**  
**NO DIVERSION ROUTE (MAX QUEUE METHOD)**

**AUGUST**  
 Analyzed for 2009  
 Construction Season

**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**FRIDAY SOUTHBOUND DIRECTION**



<b>IH 43: SILVER SPRING DR TO STH 190 (MILWAUKEE COUNTY)</b> <b>NIGHTTIME 2 LANE CLOSURE</b> <b>NO DIVERSION ROUTE (MAX QUEUE METHOD)</b>	<b>AUGUST</b>
	Analyzed for 2009 Construction Season

**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	1499	870	0	3.41	147	69.7	32.2	38.4
1-2 AM	554	0.0	1500	554	0	0.54	0	70.0	59.1	43.3
2-3 AM	426	0.0	1500	426	0	0.52	0	70.2	59.4	43.8
3-4 AM	397	0.0	1500	397	0	0.52	0	70.2	59.5	43.9
4-5 AM	571	0.0	1500	571	0	0.54	0	70.0	59.1	43.2
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	1499	1549	1397	16.46+	411	67.1	10.4	36.6
8-9 PM	2488	0.0	1499	1800	688	13.28+	340	67.6	12.5	33.8
9-10 PM	2565	0.0	1499	1500	1065	16.32+	399	67.6	10.6	30.8
10-11 PM	2739	0.0	1500	1500	1239	16.31+	400	67.3	10.6	30.8
11PM-MID	1806	0.0	1500	1536	270	15.70+	383	68.5	10.9	30.8

"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	0.0386
MAIN ROUTE WITH WORKS	0.0353
'DIVERSION'	0.0058

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$47,259
CONGESTED HOURS PER DAY*	5

\*Delays Exceeding User-Specified Maximum

**IH 43: SILVER SPRING DR TO STH 190 (MILWAUKEE COUNTY)**  
**NIGHTTIME 2 LANE CLOSURE**  
**NO DIVERSION ROUTE (MAX QUEUE METHOD)**

**AUGUST**  
 Analyzed for 2009  
 Construction Season

**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**FRIDAY NORTHBOUND DIRECTION**

