

IH 43: STH 100 TO SILVER SPRING DR (MILWAUKEE COUNTY) OFF-PEAK DAY 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	849	0.0	OFF	849	0	0.00	0	64.8	64.8	64.8
1-2 AM	430	0.0	OFF	430	0	0.00	0	65.6	65.6	65.6
2-3 AM	154	0.0	OFF	154	0	0.00	0	66.1	66.1	66.1
3-4 AM	126	0.0	OFF	126	0	0.00	0	66.1	66.1	66.1
4-5 AM	159	0.0	OFF	159	0	0.00	0	66.1	66.1	66.1
5-6 AM	271	0.0	OFF	271	0	0.00	0	65.9	65.9	65.9
6-7 AM	485	0.0	OFF	485	0	0.00	0	65.5	65.5	65.5
7-8 AM	719	0.0	OFF	719	0	0.00	0	65.0	65.0	65.0
8-9 AM	1084	0.0	OFF	1084	0	0.00	0	64.3	64.3	64.3
9-10 AM	1750	0.0	1499	1750	0	3.41	85	63.2	30.2	30.8
10-11 AM	2347	0.0	1499	1687	660	15.25+	388	62.0	11.0	30.8
11AM-NOON	2767	0.0	1499	1494	1273	15.74+	405	58.1	10.6	30.8
NOON-1PM	3081	0.0	1499	1495	1586	15.57+	406	55.0	10.6	30.8
1-2 PM	3048	0.0	1499	1495	1553	15.59+	406	55.3	10.6	30.8
2-3 PM	3110	0.0	1499	1497	1613	15.56+	406	54.6	10.6	30.8
3-4 PM	3131	0.0	1499	1498	1633	15.54+	406	54.4	10.6	30.8
4-5 PM	3141	0.0	1499	1498	1642	15.54+	406	54.3	10.6	30.8
5-6 PM	2816	0.0	1500	1498	1319	15.71+	405	57.6	10.6	30.8
6-7 PM	2635	0.0	1499	1499	1136	15.80+	404	59.5	10.6	30.8
7-8 PM	2079	0.0	OFF	2079	0	0.74	43	62.5	50.7	50.7
8-9 PM	1759	0.0	OFF	1759	0	0.00	0	63.1	63.1	63.1
9-10 PM	1315	0.0	OFF	1315	0	0.00	0	64.0	64.0	64.0
10-11 PM	776	0.0	OFF	776	0	0.00	0	65.0	65.0	65.0
11PM-MID	477	0.0	OFF	477	0	0.00	0	65.5	65.5	65.5

"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

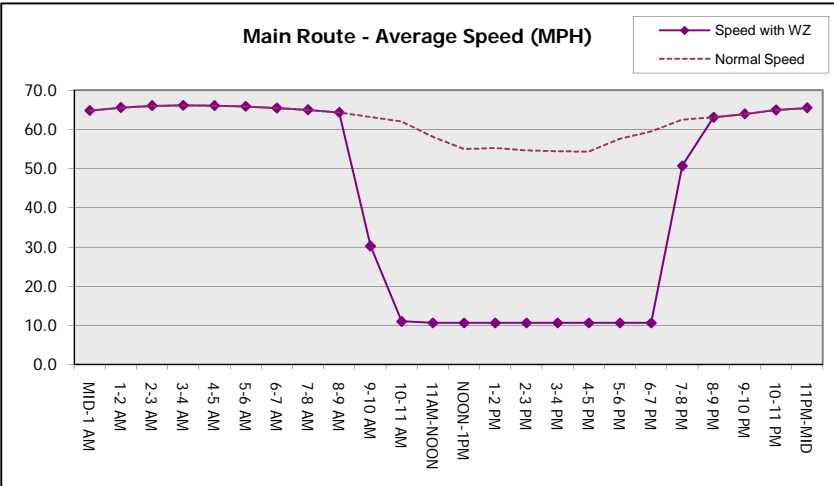
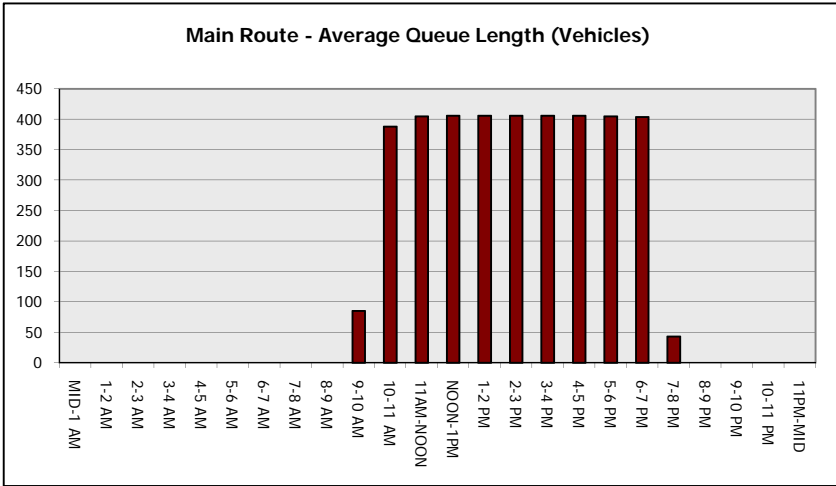
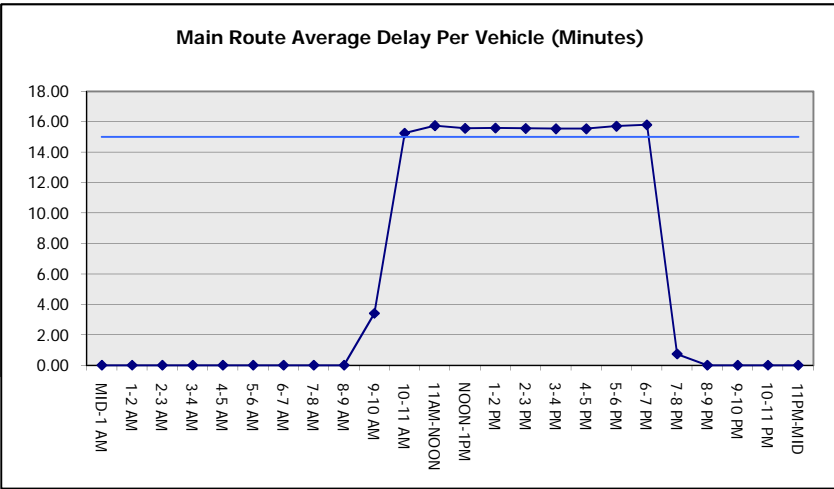
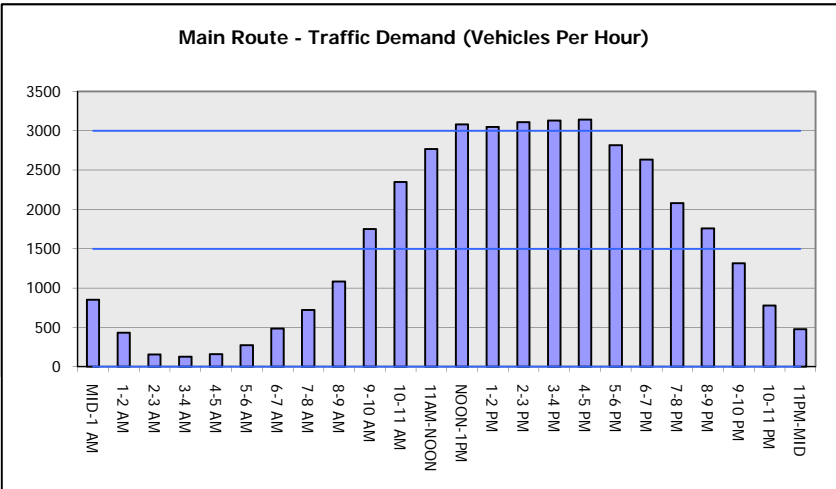
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0202
MAIN ROUTE WITH WORKS	0.0127
'DIVERSION'	0.0151
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$114,833
CONGESTED HOURS PER DAY*	9

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY SOUTHBOUND DIRECTION



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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	646	0.0	OFF	646	0	0.00	0	65.2	65.2	65.2
1-2 AM	394	0.0	OFF	394	0	0.00	0	65.6	65.6	65.6
2-3 AM	295	0.0	OFF	295	0	0.00	0	65.8	65.8	65.8
3-4 AM	188	0.0	OFF	188	0	0.00	0	66.0	66.0	66.0
4-5 AM	150	0.0	OFF	150	0	0.00	0	66.1	66.1	66.1
5-6 AM	225	0.0	OFF	225	0	0.00	0	66.0	66.0	66.0
6-7 AM	424	0.0	OFF	424	0	0.00	0	65.6	65.6	65.6
7-8 AM	611	0.0	OFF	611	0	0.00	0	65.3	65.3	65.3
8-9 AM	900	0.0	OFF	900	0	0.00	0	64.7	64.7	64.7
9-10 AM	1355	0.0	1499	1355	0	0.83	0	63.8	50.4	34.3
10-11 AM	1815	0.0	1499	1815	0	4.94	132	63.0	24.5	30.8
11AM-NOON	2145	0.0	1499	1560	585	15.70+	397	62.4	10.7	30.8
NOON-1PM	2450	0.0	1500	1502	948	15.90+	404	61.4	10.6	30.8
1-2 PM	2554	0.0	1500	1503	1051	15.84+	404	60.4	10.6	30.8
2-3 PM	2424	0.0	1500	1501	923	15.91+	404	61.7	10.7	30.8
3-4 PM	2513	0.0	1500	1502	1011	15.86+	404	60.7	10.6	30.8
4-5 PM	2537	0.0	1500	1502	1035	15.85+	404	60.5	10.6	30.8
5-6 PM	2264	0.0	1500	1500	763	15.93+	404	62.2	10.7	30.8
6-7 PM	1975	0.0	1500	1500	475	15.95+	403	62.7	10.7	30.8
7-8 PM	1639	0.0	OFF	1639	0	0.51	31	63.3	54.5	54.5
8-9 PM	1229	0.0	OFF	1229	0	0.00	0	64.1	64.1	64.1
9-10 PM	1162	0.0	OFF	1162	0	0.00	0	64.2	64.2	64.2
10-11 PM	883	0.0	OFF	883	0	0.00	0	64.8	64.8	64.8
11PM-MID	575	0.0	OFF	575	0	0.00	0	65.3	65.3	65.3

"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	0.0165
MAIN ROUTE WITH WORKS	0.0119
'DIVERSION'	0.0083

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$86,031
CONGESTED HOURS PER DAY*	8

*Delays Exceeding User-Specified Maximum

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