

<b>IH 43: STH 100/BROWN DEER RD TO SILVER SPRING DR (MILWAUKEE COUNTY)</b> <b>CONTINUOUS (24 HOUR) CLOSURE</b> <b>NO DIVERSION ROUTE (MAX QUEUE METHOD)</b>	<b>AUGUST</b>
	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	1500	849	0	0.50	0	64.8	55.6	42.2
1-2 AM	430	0.0	1500	430	0	0.46	0	65.6	56.8	43.8
2-3 AM	154	0.0	1500	154	0	0.44	0	66.1	57.7	44.8
3-4 AM	126	0.0	1500	126	0	0.43	0	66.1	57.8	45.0
4-5 AM	159	0.0	1500	159	0	0.44	0	66.1	57.6	44.8
5-6 AM	271	0.0	1500	271	0	0.45	0	65.9	57.3	44.4
6-7 AM	485	0.0	1500	485	0	0.47	0	65.5	56.7	43.6
7-8 AM	719	0.0	1500	719	0	0.49	0	65.0	56.0	42.7
8-9 AM	1084	0.0	1499	1084	0	0.58	0	64.3	54.1	39.9
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	1500	1500	579	15.94+	403	62.5	10.7	30.8
8-9 PM	1759	0.0	1500	1500	259	15.97+	403	63.1	10.7	30.8
9-10 PM	1315	0.0	1499	1315	0	13.71+	348	64.0	11.9	30.8
10-11 PM	776	0.0	1500	776	0	1.30	40	65.0	45.5	42.3
11PM-MID	477	0.0	1500	477	0	0.47	0	65.5	56.7	43.6

+ 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

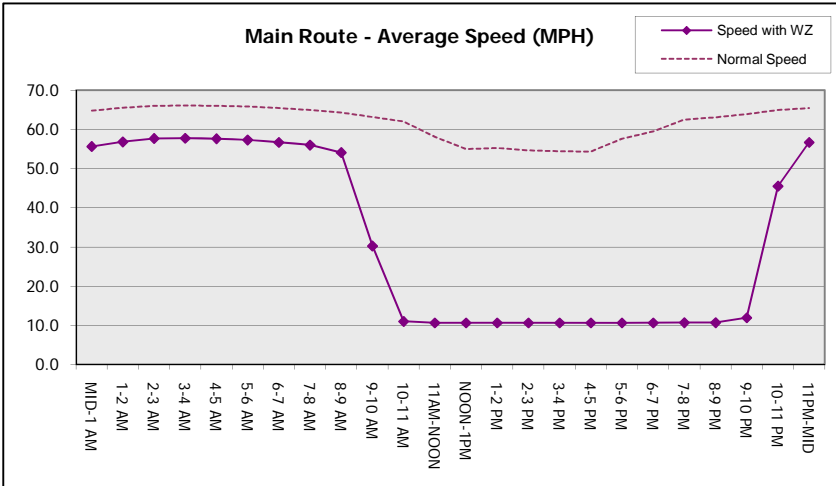
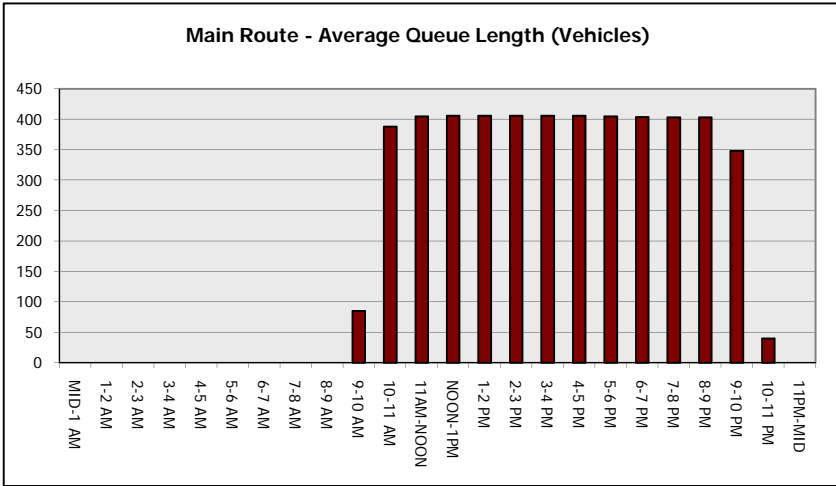
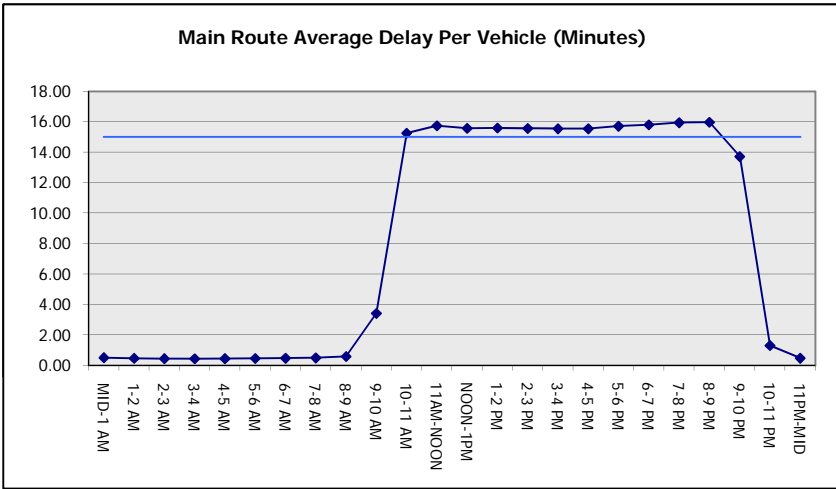
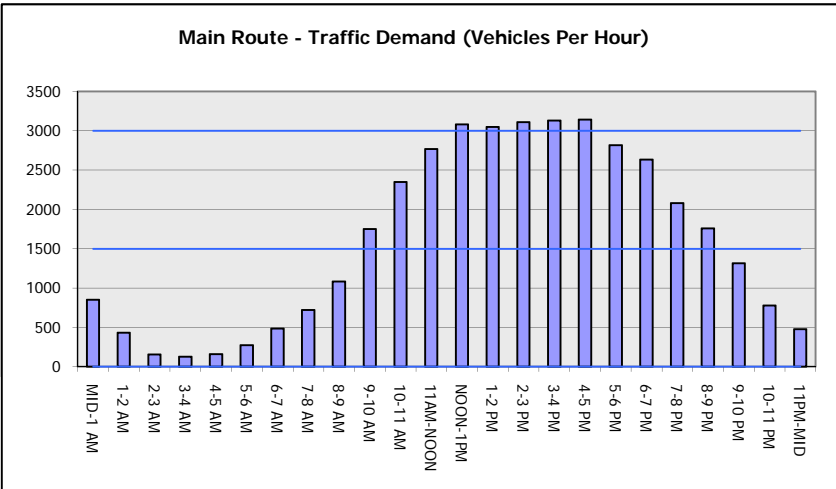
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0202
MAIN ROUTE WITH WORKS	0.0116
'DIVERSION'	0.0161
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$139,011
CONGESTED HOURS PER DAY*	12

\*Delays Exceeding User-Specified Maximum

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**AUGUST**  
Analyzed for 2009  
Construction Season

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



<b>IH 43: STH 100/BROWN DEER RD TO SILVER SPRING DR (MILWAUKEE COUNTY)</b> <b>CONTINUOUS (24 HOUR) CLOSURE</b> <b>NO DIVERSION ROUTE (MAX QUEUE METHOD)</b>	<b>AUGUST</b>
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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	1500	646	0	0.49	0	65.2	56.2	43.0
1-2 AM	394	0.0	1500	394	0	0.46	0	65.6	56.9	43.9
2-3 AM	295	0.0	1500	295	0	0.45	0	65.8	57.3	44.3
3-4 AM	188	0.0	1500	188	0	0.44	0	66.0	57.6	44.7
4-5 AM	150	0.0	1500	150	0	0.44	0	66.1	57.7	44.9
5-6 AM	225	0.0	1500	225	0	0.44	0	66.0	57.4	44.6
6-7 AM	424	0.0	1500	424	0	0.46	0	65.6	56.9	43.8
7-8 AM	611	0.0	1500	611	0	0.48	0	65.3	56.3	43.1
8-9 AM	900	0.0	1500	900	0	0.51	0	64.7	55.5	42.0
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	1500	1523	116	15.85+	400	63.3	10.7	30.8
8-9 PM	1229	0.0	1499	1229	0	11.07+	287	64.1	14.0	31.5
9-10 PM	1162	0.0	1500	1162	0	1.43	31	64.2	43.9	38.2
10-11 PM	883	0.0	1500	883	0	0.51	0	64.8	55.5	42.1
11PM-MID	575	0.0	1500	575	0	0.48	0	65.3	56.4	43.2

+ 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	0.0112
'DIVERSION'	0.0084

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$99,148
CONGESTED HOURS PER DAY*	10

\*Delays Exceeding User-Specified Maximum

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**SUNDAY NORTHBOUND DIRECTION**

