

<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**

SATURDAY 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	420	0.0	1500	420	0	0.46	0	65.6	56.9	43.8	
1-2 AM	185	0.0	1500	185	0	0.44	0	66.0	57.6	44.7	
2-3 AM	164	0.0	1500	164	0	0.44	0	66.1	57.6	44.8	
3-4 AM	155	0.0	1500	155	0	0.44	0	66.1	57.7	44.8	
4-5 AM	236	0.0	1500	236	0	0.45	0	66.0	57.4	44.5	
5-6 AM	450	0.0	1500	450	0	0.47	0	65.6	56.8	43.7	
6-7 AM	731	0.0	1500	731	0	0.49	0	65.0	56.0	42.7	
7-8 AM	1130	0.0	1499	1130	0	0.61	0	64.3	53.7	39.3	
8-9 AM	1661	0.0	1499	1661	0	2.55	51	63.3	34.8	30.8	
9-10 AM	2056	0.0	1500	1733	322	13.15+	341	62.5	12.3	30.8	
10-11 AM	2375	0.0	1500	1500	875	15.92+	404	62.0	10.7	30.8	
11AM-NOON	2644	0.0	1500	1502	1143	15.79+	404	59.4	10.6	30.8	
NOON-1PM	2735	0.0	1500	1502	1233	15.74+	404	58.5	10.6	30.8	
1-2 PM	2653	0.0	1500	1501	1151	15.78+	404	59.3	10.6	30.8	
2-3 PM	2702	0.0	1500	1501	1201	15.76+	404	58.8	10.6	30.8	
3-4 PM	2727	0.0	1500	1501	1226	15.75+	404	58.6	10.6	30.8	
4-5 PM	2535	0.0	1500	1500	1035	15.84+	404	60.5	10.7	30.8	
5-6 PM	2352	0.0	1500	1500	852	15.92+	404	62.0	10.7	30.8	
6-7 PM	2133	0.0	1500	1500	633	15.94+	404	62.4	10.7	30.8	
7-8 PM	1686	0.0	1500	1500	186	15.98+	403	63.2	10.7	30.8	
8-9 PM	1465	0.0	1500	1465	0	15.51+	390	63.7	10.8	30.8	
9-10 PM	1481	0.0	1500	1481	0	14.67+	368	63.7	11.2	30.8	
10-11 PM	1125	0.0	1499	1125	0	5.67	180	64.3	22.6	34.8	
11PM-MID	884	0.0	1500	884	0	0.51	0	64.7	55.5	42.1	

+ 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

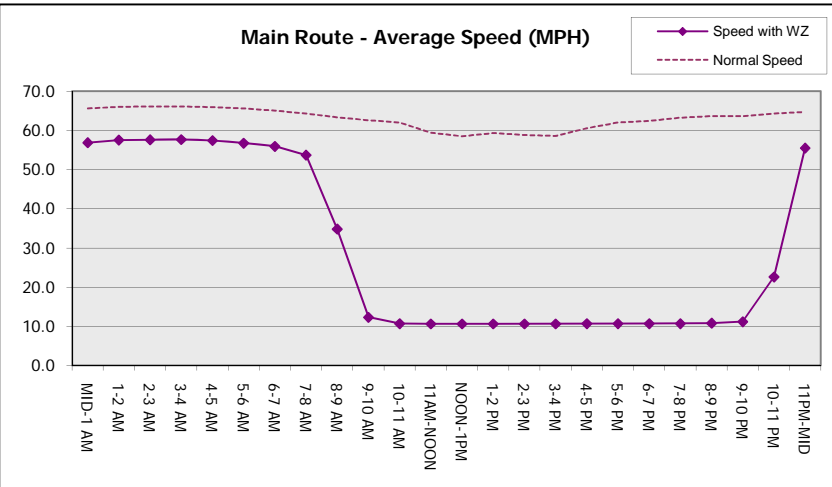
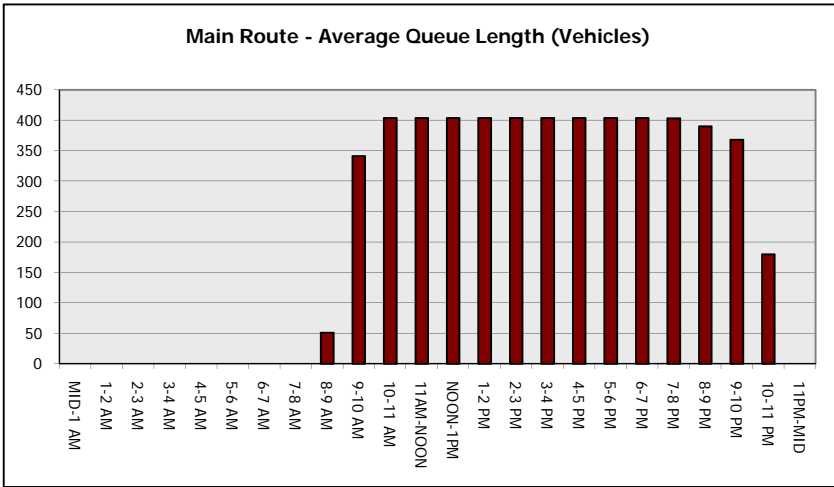
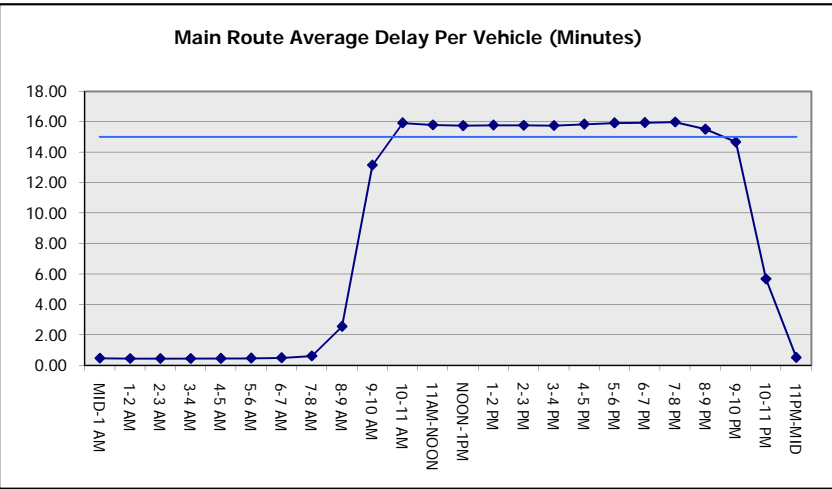
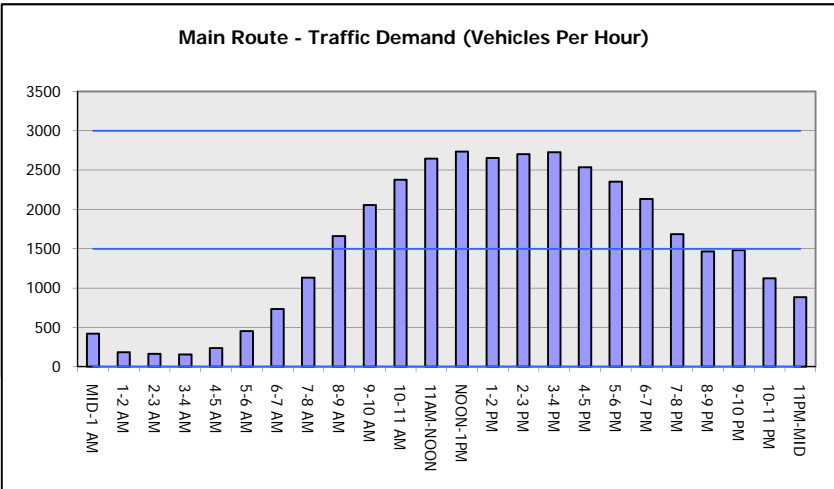
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0193
MAIN ROUTE WITH WORKS	0.0123
'DIVERSION'	0.0120
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$131,299
CONGESTED HOURS PER DAY*	13

\*Delays Exceeding User-Specified Maximum

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NO DIVERSION ROUTE (MAX QUEUE METHOD)**

**AUGUST**  
Analyzed for 2009  
Construction Season

**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**SATURDAY 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>
	Analyzed for 2009 Construction Season

**SUMMARY OF TRAFFIC MODEL OUTPUT**

SATURDAY 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	658	0.0	1500	658	0	0.49	0	65.1	56.1	42.9	
1-2 AM	389	0.0	1500	389	0	0.46	0	65.6	56.9	43.9	
2-3 AM	370	0.0	1500	370	0	0.46	0	65.7	57.0	44.0	
3-4 AM	233	0.0	1500	233	0	0.45	0	66.0	57.4	44.5	
4-5 AM	257	0.0	1500	257	0	0.45	0	65.9	57.4	44.5	
5-6 AM	446	0.0	1500	446	0	0.47	0	65.6	56.8	43.7	
6-7 AM	795	0.0	1500	795	0	0.50	0	64.9	55.8	42.4	
7-8 AM	1224	0.0	1499	1224	0	0.67	0	64.1	52.7	37.9	
8-9 AM	1740	0.0	1499	1740	0	3.65	89	63.2	29.2	30.8	
9-10 AM	2183	0.0	1500	1735	448	15.08+	385	62.3	11.1	30.8	
10-11 AM	2661	0.0	1499	1491	1170	15.82+	405	59.2	10.6	30.8	
11AM-NOON	2726	0.0	1499	1491	1235	15.78+	405	58.6	10.6	30.8	
NOON-1PM	2859	0.0	1499	1490	1369	15.70+	405	57.2	10.6	30.8	
1-2 PM	2723	0.0	1499	1493	1230	15.77+	405	58.6	10.6	30.8	
2-3 PM	2748	0.0	1499	1494	1255	15.75+	405	58.4	10.6	30.8	
3-4 PM	2795	0.0	1499	1494	1301	15.72+	405	57.9	10.6	30.8	
4-5 PM	2516	0.0	1499	1499	1017	15.86+	404	60.7	10.6	30.8	
5-6 PM	2253	0.0	1500	1499	754	15.93+	404	62.2	10.7	30.8	
6-7 PM	1891	0.0	1499	1499	391	15.96+	403	62.8	10.7	30.8	
7-8 PM	1504	0.0	1499	1451	53	15.49+	390	63.6	10.8	30.8	
8-9 PM	1577	0.0	1500	1537	40	15.79+	398	63.5	10.7	30.8	
9-10 PM	1528	0.0	1499	1481	46	15.91+	401	63.5	10.7	30.8	
10-11 PM	1248	0.0	1499	1248	0	11.15	287	64.1	13.9	31.5	
11PM-MID	857	0.0	1500	857	0	0.90	17	64.8	50.1	42.1	

+ 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	0.0200
MAIN ROUTE WITH WORKS	0.0128
'DIVERSION'	0.0125

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$137,419
CONGESTED HOURS PER DAY*	13

\*Delays Exceeding User-Specified Maximum

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