

IH 43: STH 100/BROWN DEER RD TO SILVER SPRING DR (MILWAUKEE COUNTY) NIGHTTIME CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	AUGUST
	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	284	0.0	1500	284	0	0.45	0	65.8	57.3	44.3
1-2 AM	171	0.0	1500	171	0	0.44	0	66.1	57.6	44.8
2-3 AM	135	0.0	1500	135	0	0.44	0	66.1	57.8	45.0
3-4 AM	177	0.0	1500	177	0	0.44	0	66.1	57.6	44.8
4-5 AM	415	0.0	1500	415	0	0.46	0	65.6	56.9	43.8
5-6 AM	1221	0.0	OFF	1221	0	0.00	0	64.1	64.1	64.1
6-7 AM	2953	0.0	OFF	2953	0	0.00	0	56.3	56.3	56.3
7-8 AM	4120	0.0	OFF	4120	0	0.00	0	44.3	44.3	44.3
8-9 AM	3499	0.0	OFF	3499	0	0.00	0	50.7	50.7	50.7
9-10 AM	2702	0.0	OFF	2702	0	0.00	0	58.8	58.8	58.8
10-11 AM	2523	0.0	OFF	2523	0	0.00	0	60.7	60.7	60.7
11AM-NOON	2650	0.0	OFF	2650	0	0.00	0	59.4	59.4	59.4
NOON-1PM	2634	0.0	OFF	2634	0	0.00	0	59.5	59.5	59.5
1-2 PM	2402	0.0	OFF	2402	0	0.00	0	61.9	61.9	61.9
2-3 PM	2834	0.0	OFF	2834	0	0.00	0	57.4	57.4	57.4
3-4 PM	3001	0.0	OFF	3001	0	0.00	0	55.8	55.8	55.8
4-5 PM	3085	0.0	OFF	3085	0	0.00	0	54.9	54.9	54.9
5-6 PM	3274	0.0	OFF	3274	0	0.00	0	53.0	53.0	53.0
6-7 PM	2419	0.0	OFF	2419	0	0.00	0	61.7	61.7	61.7
7-8 PM	1694	0.0	1499	1694	0	5.40	128	63.2	23.2	30.8
8-9 PM	1426	0.0	1499	1426	0	7.39	173	63.7	18.9	30.8
9-10 PM	1182	0.0	1500	1182	0	1.42	29	64.2	44.0	37.7
10-11 PM	848	0.0	1500	848	0	0.50	0	64.8	55.6	42.2
11PM-MID	553	0.0	1500	553	0	0.48	0	65.3	56.4	43.3

"OFF" INDICATES NO ROAD WORK (ALL LANES OPEN TO TRAFFIC)

----- 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

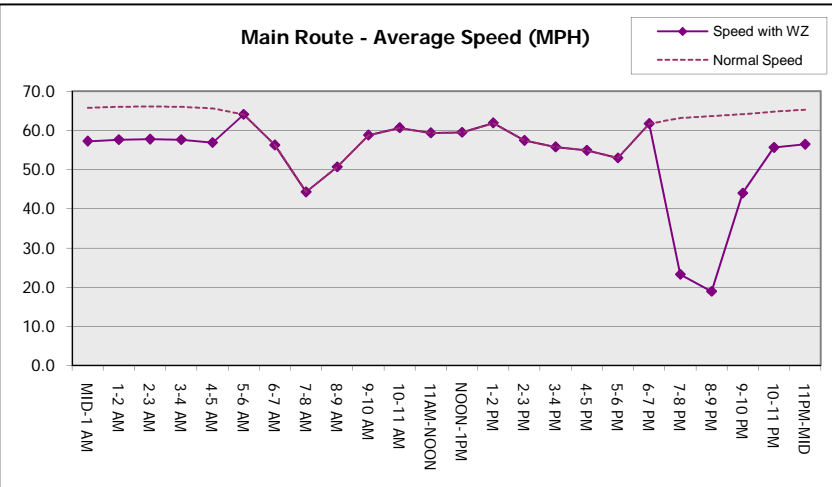
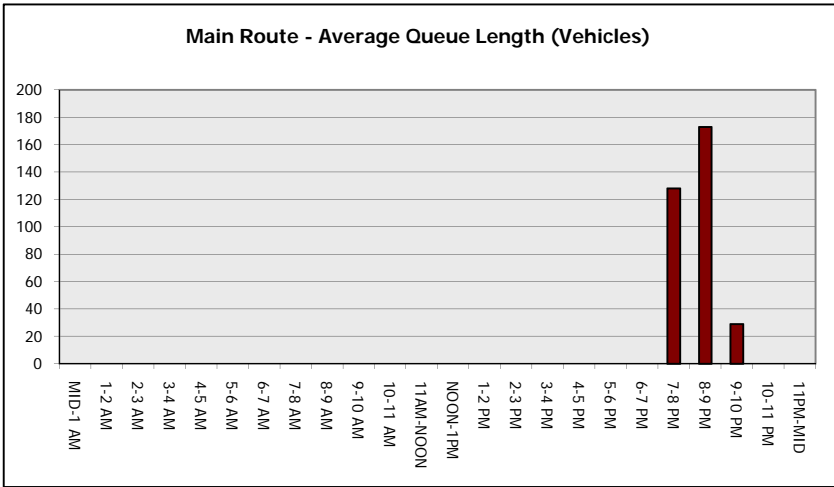
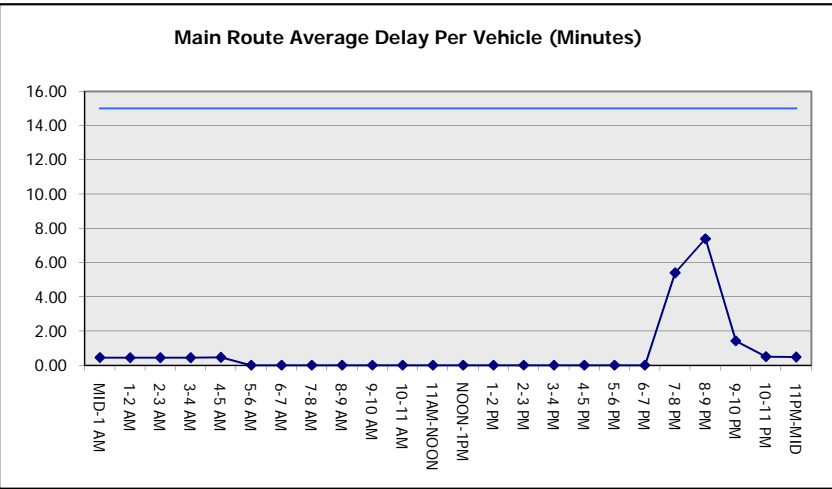
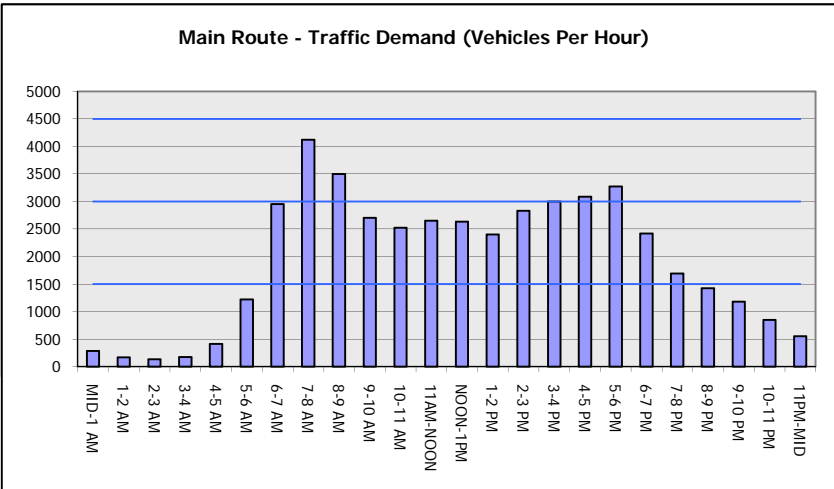
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0243
MAIN ROUTE WITH WORKS	0.0238
'DIVERSION'	0.0000
<small>PIA: Personal Injury Accidents</small>	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$5,441
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

IH 43: STH 100/BROWN DEER RD TO SILVER SPRING DR (MILWAUKEE COUNTY)
NIGHTTIME CLOSURE
NO DIVERSION ROUTE (MAX QUEUE METHOD)

AUGUST
 Analyzed for 2009
 Construction Season

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



IH 43: STH 100/BROWN DEER RD TO SILVER SPRING DR (MILWAUKEE COUNTY) NIGHTTIME CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	AUGUST
	Analyzed for 2009 Construction Season

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	458	0.0	1500	458	0	0.47	0	65.5	56.8	43.7	
1-2 AM	241	0.0	1500	241	0	0.45	0	66.0	57.4	44.5	
2-3 AM	195	0.0	1500	195	0	0.44	0	66.0	57.6	44.7	
3-4 AM	181	0.0	1500	181	0	0.44	0	66.1	57.6	44.8	
4-5 AM	295	0.0	1500	295	0	0.45	0	65.8	57.3	44.3	
5-6 AM	821	0.0	OFF	821	0	0.00	0	64.8	64.8	64.8	
6-7 AM	1887	0.0	OFF	1887	0	0.00	0	62.8	62.8	62.8	
7-8 AM	2770	0.0	OFF	2770	0	0.00	0	58.1	58.1	58.1	
8-9 AM	2727	0.0	OFF	2727	0	0.00	0	58.6	58.6	58.6	
9-10 AM	2293	0.0	OFF	2293	0	0.00	0	62.1	62.1	62.1	
10-11 AM	2386	0.0	OFF	2386	0	0.00	0	61.9	61.9	61.9	
11AM-NOON	2549	0.0	OFF	2549	0	0.00	0	60.4	60.4	60.4	
NOON-1PM	2589	0.0	OFF	2589	0	0.00	0	60.0	60.0	60.0	
1-2 PM	2600	0.0	OFF	2600	0	0.00	0	59.9	59.9	59.9	
2-3 PM	3048	0.0	OFF	3048	0	0.00	0	55.3	55.3	55.3	
3-4 PM	3550	0.0	OFF	3550	0	0.00	0	50.1	50.1	50.1	
4-5 PM	3566	0.0	OFF	3566	0	0.00	0	50.0	50.0	50.0	
5-6 PM	3801	0.0	OFF	3801	0	0.00	0	47.6	47.6	47.6	
6-7 PM	2811	0.0	OFF	2811	0	0.00	0	57.7	57.7	57.7	
7-8 PM	1961	0.0	1499	1944	17	9.45+	262	62.7	15.8	30.8	
8-9 PM	1717	0.0	1500	1475	242	15.88+	401	63.2	10.7	30.8	
9-10 PM	1515	0.0	1499	1458	57	15.75+	397	63.6	10.7	30.8	
10-11 PM	1093	0.0	1499	1093	0	6.09	199	64.3	21.5	35.3	
11PM-MID	722	0.0	1500	722	0	0.49	0	65.0	56.0	42.7	

"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	0.0240
MAIN ROUTE WITH WORKS	0.0233
'DIVERSION'	0.0004

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$18,620
CONGESTED HOURS PER DAY*	3

*Delays Exceeding User-Specified Maximum

IH 43: STH 100/BROWN DEER RD TO SILVER SPRING DR (MILWAUKEE COUNTY)
NIGHTTIME CLOSURE
NO DIVERSION ROUTE (MAX QUEUE METHOD)

AUGUST
 Analyzed for 2009
 Construction Season

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

