

IH 43: STH 100/BROWN DEER RD TO SILVER SPRING DR (MILWAUKEE COUNTY) CONTINUOUS (24 HOUR) 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	1499	1221	0	0.89	4	64.1	49.7	36.4
6-7 AM	2953	0.0	1500	1954	999	12.75+	343	56.3	12.3	33.3
7-8 AM	4120	0.0	1499	1500	2620	14.69+	406	44.3	10.6	30.8
8-9 AM	3499	0.0	1499	1494	2005	15.25+	406	50.7	10.6	30.8
9-10 AM	2702	0.0	1499	1492	1211	15.79+	405	58.8	10.6	30.8
10-11 AM	2523	0.0	1499	1495	1028	15.87+	404	60.7	10.6	30.8
11AM-NOON	2650	0.0	1499	1493	1156	15.81+	405	59.4	10.6	30.8
NOON-1PM	2634	0.0	1499	1494	1140	15.81+	404	59.5	10.6	30.8
1-2 PM	2402	0.0	1499	1499	903	15.92+	404	61.9	10.6	30.8
2-3 PM	2834	0.0	1499	1492	1342	15.71+	405	57.4	10.6	30.8
3-4 PM	3001	0.0	1499	1493	1507	15.62+	405	55.8	10.6	30.8
4-5 PM	3085	0.0	1499	1496	1589	15.57+	406	54.9	10.6	30.8
5-6 PM	3274	0.0	1499	1499	1775	15.45+	406	53.0	10.6	30.8
6-7 PM	2419	0.0	1500	1499	920	15.91+	404	61.7	10.6	30.8
7-8 PM	1694	0.0	1500	1485	210	15.91+	402	63.2	10.7	30.8
8-9 PM	1426	0.0	1499	1426	0	15.19+	382	63.7	11.0	30.8
9-10 PM	1182	0.0	1499	1182	0	6.75	188	64.2	20.1	33.5
10-11 PM	848	0.0	1500	848	0	0.51	0	64.8	55.6	42.2
11PM-MID	553	0.0	1500	553	0	0.48	0	65.3	56.4	43.3

+ 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

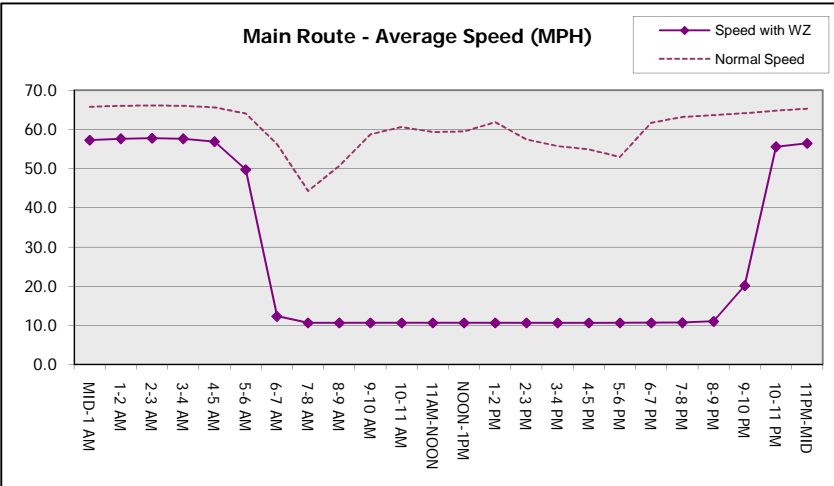
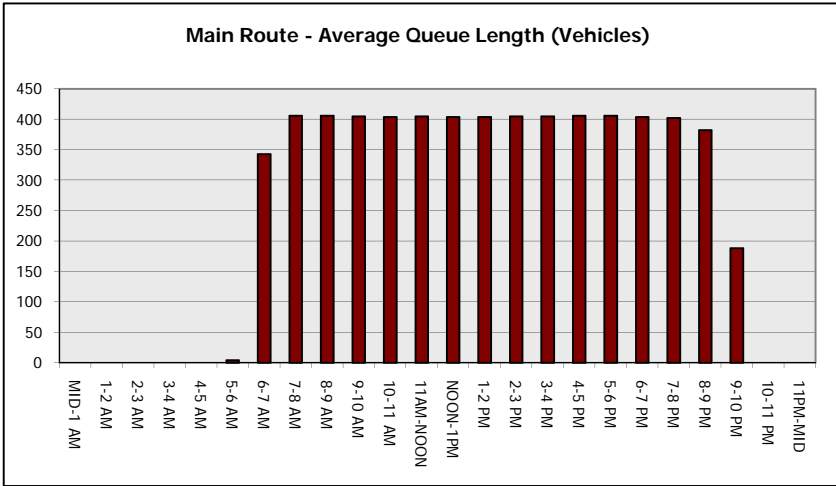
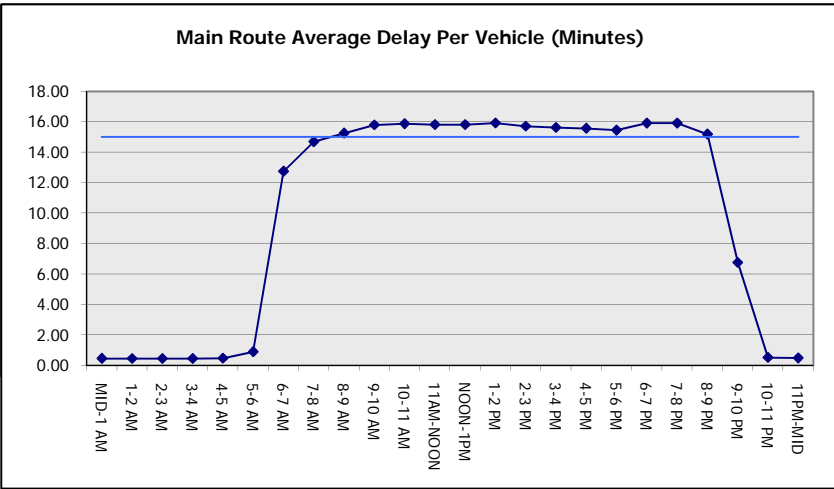
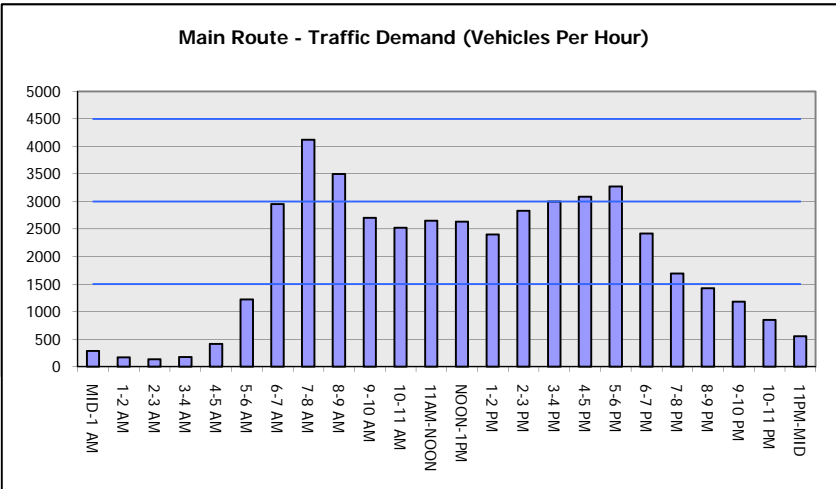
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0243
MAIN ROUTE WITH WORKS	0.0128
'DIVERSION'	0.0224
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$141,835
CONGESTED HOURS PER DAY*	15

*Delays Exceeding User-Specified Maximum

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



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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	1500	821	0	0.50	0	64.8	55.7	42.3
6-7 AM	1887	0.0	1499	1887	0	4.42	132	62.8	26.1	30.8
7-8 AM	2770	0.0	1499	1504	1266	15.73+	404	58.1	10.6	30.8
8-9 AM	2727	0.0	1500	1503	1224	15.75+	404	58.6	10.6	30.8
9-10 AM	2293	0.0	1500	1500	793	15.93+	404	62.1	10.7	30.8
10-11 AM	2386	0.0	1500	1500	886	15.92+	404	61.9	10.7	30.8
11AM-NOON	2549	0.0	1500	1501	1048	15.84+	404	60.4	10.6	30.8
NOON-1PM	2589	0.0	1500	1501	1088	15.82+	404	60.0	10.6	30.8
1-2 PM	2600	0.0	1500	1501	1099	15.81+	404	59.9	10.6	30.8
2-3 PM	3048	0.0	1500	1502	1546	15.59+	406	55.3	10.6	30.8
3-4 PM	3550	0.0	1500	1500	2050	15.23+	406	50.1	10.6	30.8
4-5 PM	3566	0.0	1500	1500	2066	15.22+	406	50.0	10.6	30.8
5-6 PM	3801	0.0	1500	1500	2301	15.01+	406	47.6	10.6	30.8
6-7 PM	2811	0.0	1500	1501	1310	15.71+	405	57.7	10.6	30.8
7-8 PM	1961	0.0	1500	1500	461	15.95+	403	62.7	10.7	30.8
8-9 PM	1717	0.0	1500	1500	217	15.97+	403	63.2	10.7	30.8
9-10 PM	1515	0.0	1500	1469	47	15.62+	394	63.6	10.8	30.8
10-11 PM	1093	0.0	1499	1093	0	5.73	191	64.3	22.5	35.5
11PM-MID	722	0.0	1500	722	0	0.49	0	65.0	56.0	42.7

+ INDICATES QUEUEING EXCEEDS USER-SPECIFIED MAXIMUM LIMIT

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

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

MAIN ROUTE WITHOUT WORKS	0.0240
MAIN ROUTE WITH WORKS	0.0130
'DIVERSION'	0.0212

PIA: Personal Injury Accidents

ROAD USER COSTS PER DAY	\$140,838
CONGESTED HOURS PER DAY*	15

*Delays Exceeding User-Specified Maximum

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