

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

SUMMARY OF TRAFFIC MODEL OUTPUT

FRIDAY 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	273	0.0	1500	273	0	0.45	0	65.9	57.3	44.4
1-2 AM	163	0.0	1500	163	0	0.44	0	66.1	57.6	44.8
2-3 AM	173	0.0	1500	173	0	0.44	0	66.1	57.6	44.8
3-4 AM	192	0.0	1500	192	0	0.44	0	66.0	57.6	44.7
4-5 AM	383	0.0	1500	383	0	0.46	0	65.7	57.0	44.0
5-6 AM	1156	0.0	OFF	1156	0	0.00	0	64.2	64.2	64.2
6-7 AM	2802	0.0	OFF	2802	0	0.00	0	57.8	57.8	57.8
7-8 AM	4062	0.0	OFF	4062	0	0.00	0	44.9	44.9	44.9
8-9 AM	3434	0.0	OFF	3434	0	0.00	0	51.3	51.3	51.3
9-10 AM	2588	0.0	OFF	2588	0	0.00	0	60.0	60.0	60.0
10-11 AM	2228	0.0	OFF	2228	0	0.00	0	62.2	62.2	62.2
11AM-NOON	2515	0.0	OFF	2515	0	0.00	0	60.7	60.7	60.7
NOON-1PM	2540	0.0	OFF	2540	0	0.00	0	60.5	60.5	60.5
1-2 PM	2541	0.0	OFF	2541	0	0.00	0	60.5	60.5	60.5
2-3 PM	2597	0.0	OFF	2597	0	0.00	0	59.9	59.9	59.9
3-4 PM	3244	0.0	OFF	3244	0	0.00	0	53.3	53.3	53.3
4-5 PM	3219	0.0	OFF	3219	0	0.00	0	53.5	53.5	53.5
5-6 PM	3270	0.0	OFF	3270	0	0.00	0	53.0	53.0	53.0
6-7 PM	2646	0.0	OFF	2646	0	0.00	0	59.4	59.4	59.4
7-8 PM	1833	0.0	1499	1833	0	7.77	204	63.0	18.1	30.8
8-9 PM	1424	0.0	1499	1424	0	12.61	313	63.7	12.6	30.8
9-10 PM	1241	0.0	1499	1241	0	5.25	139	64.1	23.7	32.9
10-11 PM	1039	0.0	1500	1039	0	0.52	0	64.5	55.1	41.5
11PM-MID	745	0.0	1500	745	0	0.49	0	65.0	55.9	42.6

"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

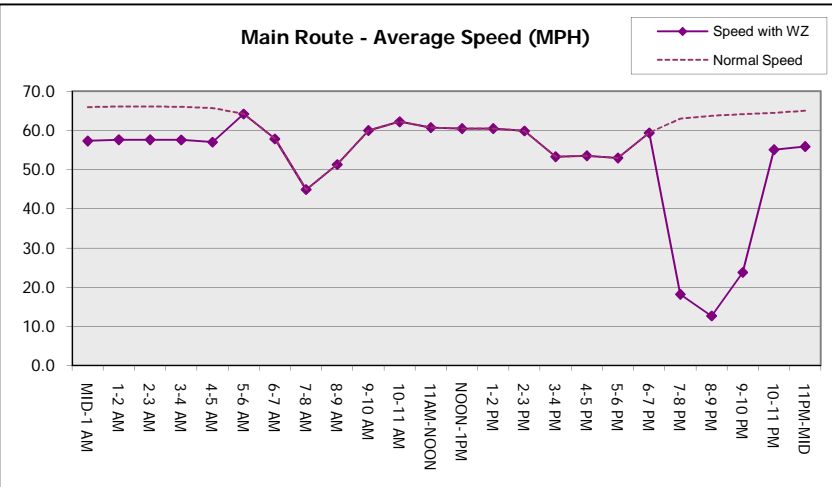
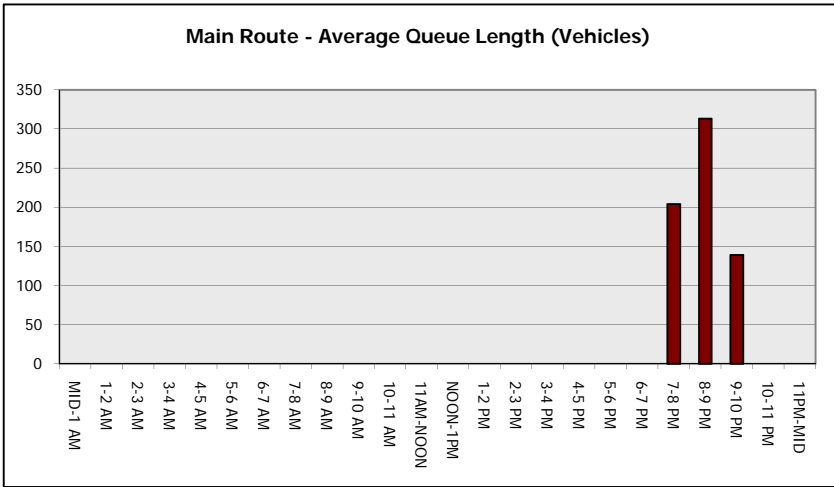
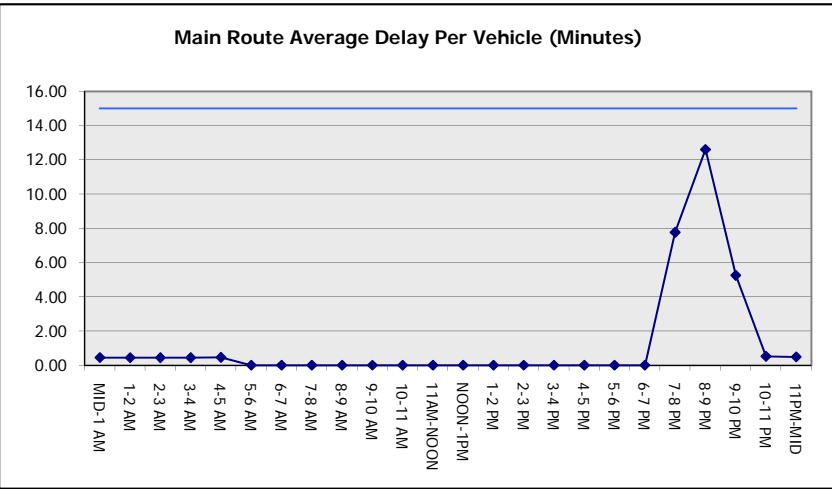
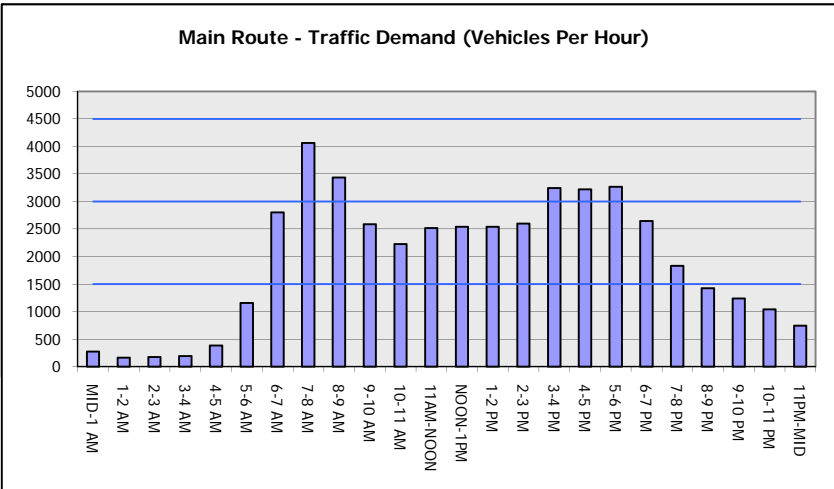
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0243
MAIN ROUTE WITH WORKS	0.0238
'DIVERSION'	0.0000
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$9,859
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY SOUTHBOUND DIRECTION



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SUMMARY OF TRAFFIC MODEL OUTPUT

FRIDAY 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	436	0.0	1500	436	0	0.46	0	65.6	56.8	43.8
1-2 AM	291	0.0	1500	291	0	0.45	0	65.8	57.3	44.3
2-3 AM	223	0.0	1500	223	0	0.44	0	66.0	57.4	44.6
3-4 AM	187	0.0	1500	187	0	0.44	0	66.0	57.6	44.7
4-5 AM	285	0.0	1500	285	0	0.45	0	65.8	57.3	44.3
5-6 AM	837	0.0	OFF	837	0	0.00	0	64.8	64.8	64.8
6-7 AM	1903	0.0	OFF	1903	0	0.00	0	62.8	62.8	62.8
7-8 AM	2795	0.0	OFF	2795	0	0.00	0	57.9	57.9	57.9
8-9 AM	2874	0.0	OFF	2874	0	0.00	0	57.1	57.1	57.1
9-10 AM	2381	0.0	OFF	2381	0	0.00	0	62.0	62.0	62.0
10-11 AM	2288	0.0	OFF	2288	0	0.00	0	62.1	62.1	62.1
11AM-NOON	2830	0.0	OFF	2830	0	0.00	0	57.5	57.5	57.5
NOON-1PM	3051	0.0	OFF	3051	0	0.00	0	55.3	55.3	55.3
1-2 PM	3168	0.0	OFF	3168	0	0.00	0	54.0	54.0	54.0
2-3 PM	3412	0.0	OFF	3412	0	0.00	0	51.5	51.5	51.5
3-4 PM	4060	0.0	OFF	4060	0	0.00	0	44.9	44.9	44.9
4-5 PM	4152	0.0	OFF	4152	0	0.00	0	44.0	44.0	44.0
5-6 PM	3854	0.0	OFF	3854	0	0.00	0	47.0	47.0	47.0
6-7 PM	3128	0.0	OFF	3128	0	0.00	0	54.5	54.5	54.5
7-8 PM	2310	0.0	1499	1937	373	12.31+	319	62.1	12.9	30.9
8-9 PM	1837	0.0	1499	1491	347	15.93+	402	63.0	10.7	30.8
9-10 PM	1784	0.0	1499	1499	285	15.97+	403	63.0	10.7	30.8
10-11 PM	1572	0.0	1499	1459	113	15.82+	399	63.5	10.7	30.8
11PM-MID	1022	0.0	1499	1022	0	5.00	189	64.5	24.5	36.4

"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	0.0266
MAIN ROUTE WITH WORKS	0.0254
'DIVERSION'	0.0014

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$28,682
CONGESTED HOURS PER DAY*	4

*Delays Exceeding User-Specified Maximum

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