

IH 43: STH 100/BROWN DEER RD TO SILVER SPRING DR (MILWAUKEE COUNTY) CONTINUOUS (24 HOUR) 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	1499	1156	0	0.72	0	64.2	52.0	36.9	
6-7 AM	2802	0.0	1499	1964	838	11.99+	320	57.8	13.0	30.8	
7-8 AM	4062	0.0	1499	1500	2562	14.75+	406	44.9	10.6	30.8	
8-9 AM	3434	0.0	1499	1494	1940	15.31+	406	51.3	10.6	30.8	
9-10 AM	2588	0.0	1499	1494	1094	15.84+	404	60.0	10.6	30.8	
10-11 AM	2228	0.0	1499	1499	729	15.93+	404	62.2	10.7	30.8	
11AM-NOON	2515	0.0	1499	1496	1019	15.87+	404	60.7	10.6	30.8	
NOON-1PM	2540	0.0	1499	1496	1044	15.86+	404	60.5	10.6	30.8	
1-2 PM	2541	0.0	1499	1496	1044	15.86+	404	60.5	10.6	30.8	
2-3 PM	2597	0.0	1499	1496	1101	15.83+	404	59.9	10.6	30.8	
3-4 PM	3244	0.0	1499	1497	1747	15.46+	406	53.3	10.6	30.8	
4-5 PM	3219	0.0	1499	1497	1722	15.48+	406	53.5	10.6	30.8	
5-6 PM	3270	0.0	1499	1498	1772	15.45+	406	53.0	10.6	30.8	
6-7 PM	2646	0.0	1499	1497	1149	15.80+	404	59.4	10.6	30.8	
7-8 PM	1833	0.0	1500	1499	335	15.96+	403	63.0	10.7	30.8	
8-9 PM	1424	0.0	1499	1386	38	14.73+	370	63.7	11.2	30.8	
9-10 PM	1241	0.0	1499	1241	0	7.36	191	64.1	18.9	32.3	
10-11 PM	1039	0.0	1500	1039	0	0.62	3	64.5	53.7	41.4	
11PM-MID	745	0.0	1500	745	0	0.49	0	65.0	55.9	42.6	

+ 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

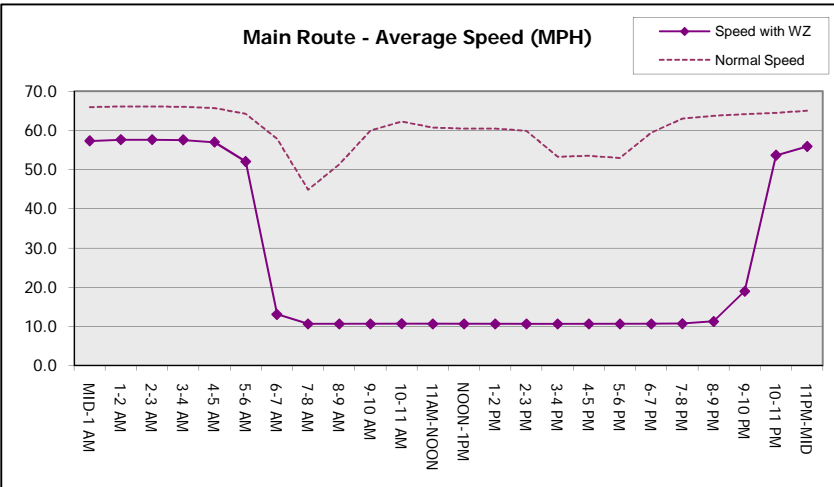
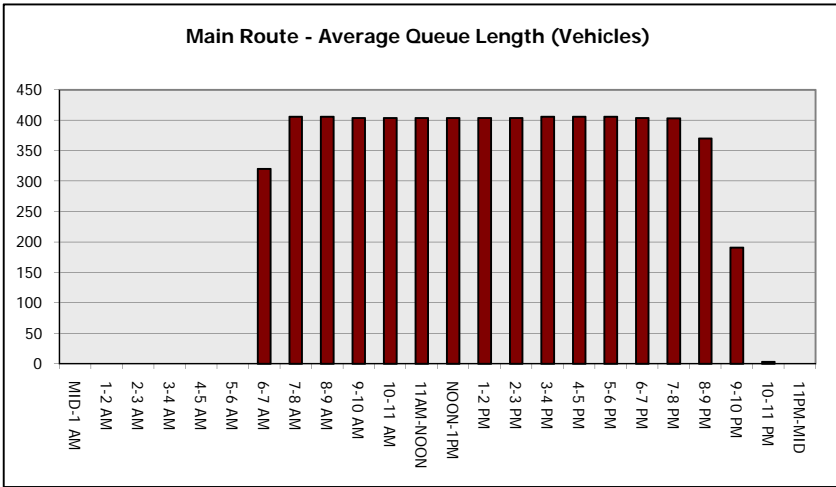
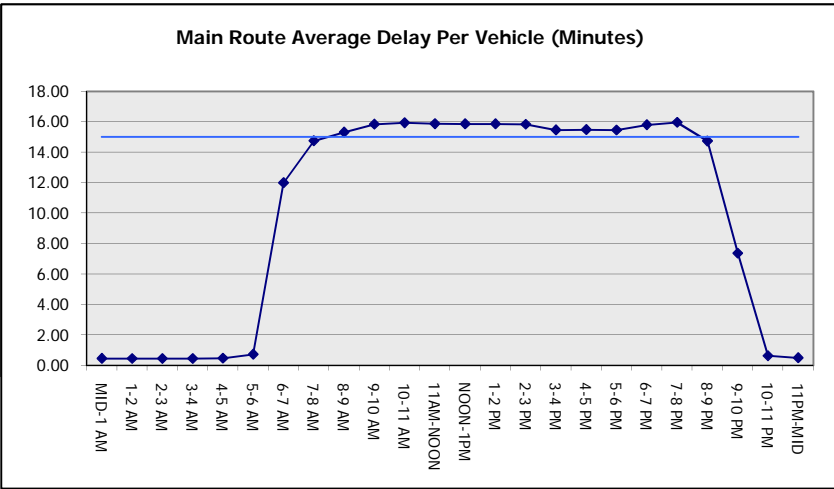
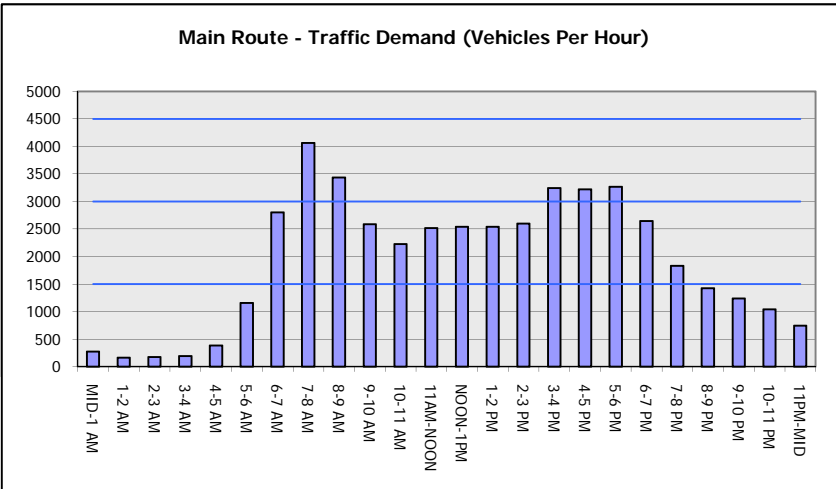
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0243
MAIN ROUTE WITH WORKS	0.0129
'DIVERSION'	0.0221
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$144,209
CONGESTED HOURS PER DAY*	15

*Delays Exceeding User-Specified Maximum

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MAY
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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	1500	837	0	0.50	0	64.8	55.6	42.2
6-7 AM	1903	0.0	1499	1903	0	4.63	140	62.8	25.4	30.8
7-8 AM	2795	0.0	1499	1500	1294	15.72+	404	57.9	10.6	30.8
8-9 AM	2874	0.0	1500	1500	1374	15.68+	405	57.1	10.6	30.8
9-10 AM	2381	0.0	1500	1500	881	15.92+	404	62.0	10.7	30.8
10-11 AM	2288	0.0	1500	1500	788	15.93+	404	62.1	10.7	30.8
11AM-NOON	2830	0.0	1499	1500	1330	15.70+	405	57.5	10.6	30.8
NOON-1PM	3051	0.0	1500	1500	1551	15.59+	406	55.3	10.6	30.8
1-2 PM	3168	0.0	1500	1500	1668	15.52+	406	54.0	10.6	30.8
2-3 PM	3412	0.0	1500	1500	1912	15.34+	406	51.5	10.6	30.8
3-4 PM	4060	0.0	1500	1500	2560	14.75+	406	44.9	10.6	30.8
4-5 PM	4152	0.0	1500	1500	2652	14.66+	406	44.0	10.6	30.8
5-6 PM	3854	0.0	1500	1500	2354	14.96+	406	47.0	10.6	30.8
6-7 PM	3128	0.0	1500	1500	1628	15.54+	406	54.5	10.6	30.8
7-8 PM	2310	0.0	1500	1500	810	15.93+	404	62.1	10.7	30.8
8-9 PM	1837	0.0	1500	1500	337	15.96+	403	63.0	10.7	30.8
9-10 PM	1784	0.0	1500	1500	284	15.97+	403	63.0	10.7	30.8
10-11 PM	1572	0.0	1500	1488	84	15.90+	401	63.5	10.7	30.8
11PM-MID	1022	0.0	1499	1022	0	5.22	195	64.5	23.8	36.4

+ 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	0.0134
'DIVERSION'	0.0262

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$162,388
CONGESTED HOURS PER DAY*	16

*Delays Exceeding User-Specified Maximum

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