

IH 43: STH 100 TO SILVER SPRING DR (MILWAUKEE COUNTY) OFF-PEAK DAY 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	OFF	273	0	0.00	0	65.9	65.9	65.9	
1-2 AM	163	0.0	OFF	163	0	0.00	0	66.1	66.1	66.1	
2-3 AM	173	0.0	OFF	173	0	0.00	0	66.1	66.1	66.1	
3-4 AM	192	0.0	OFF	192	0	0.00	0	66.0	66.0	66.0	
4-5 AM	383	0.0	OFF	383	0	0.00	0	65.7	65.7	65.7	
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	1499	1869	359	10.80+	294	62.2	14.3	30.8	
11AM-NOON	2515	0.0	1500	1503	1011	15.87+	404	60.7	10.6	30.8	
NOON-1PM	2540	0.0	1500	1503	1036	15.85+	404	60.5	10.6	30.8	
1-2 PM	2541	0.0	1500	1503	1038	15.85+	404	60.5	10.6	30.8	
2-3 PM	2597	0.0	1500	1503	1094	15.82+	404	59.9	10.6	30.8	
3-4 PM	3244	0.0	OFF	3244	0	1.74	96	53.3	36.3	36.3	
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	OFF	1833	0	0.00	0	63.0	63.0	63.0	
8-9 PM	1424	0.0	OFF	1424	0	0.00	0	63.7	63.7	63.7	
9-10 PM	1241	0.0	OFF	1241	0	0.00	0	64.1	64.1	64.1	
10-11 PM	1039	0.0	OFF	1039	0	0.00	0	64.5	64.5	64.5	
11PM-MID	745	0.0	OFF	745	0	0.00	0	65.0	65.0	65.0	

"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

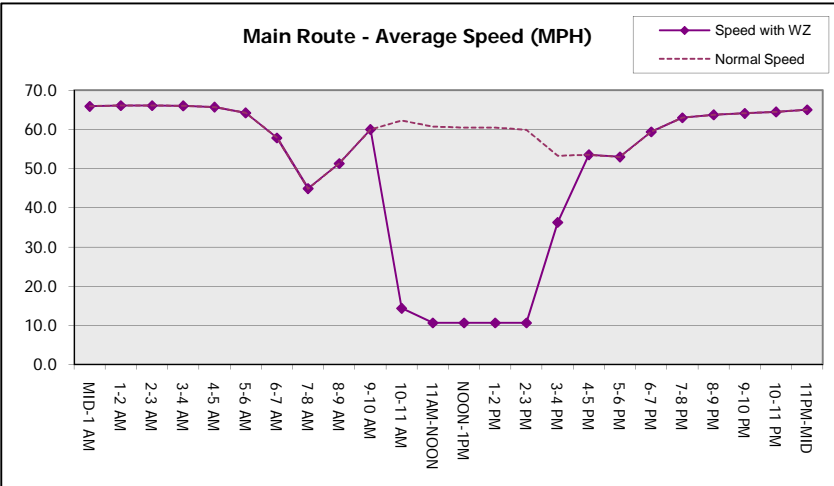
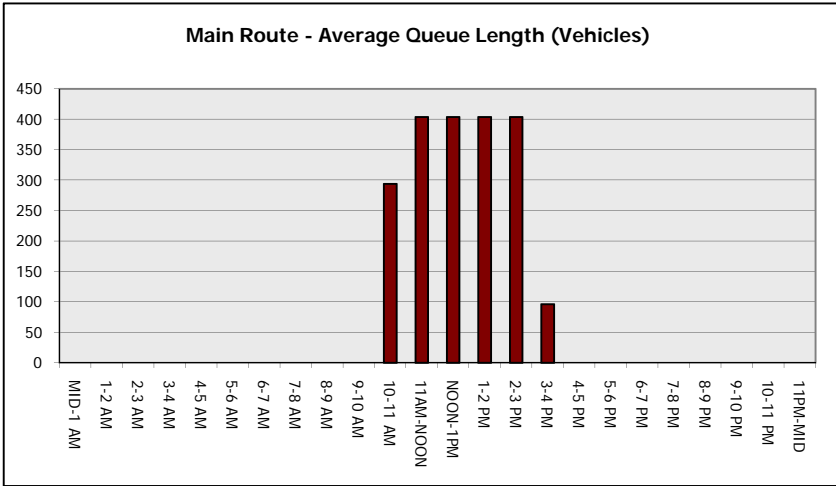
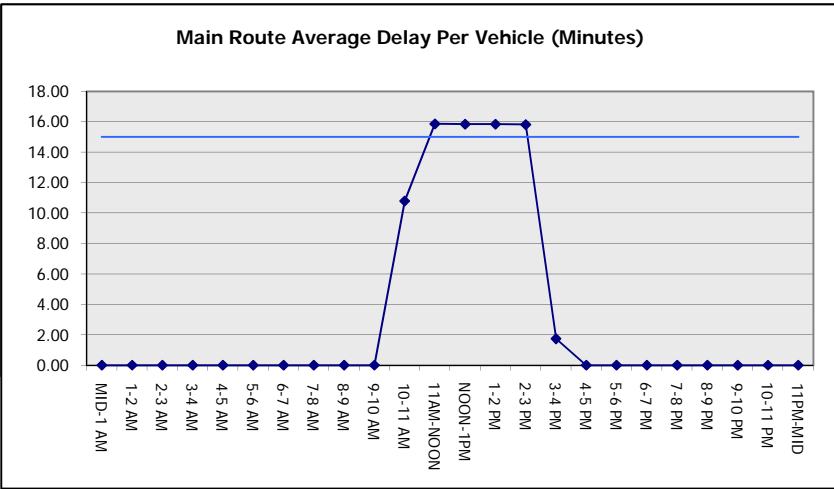
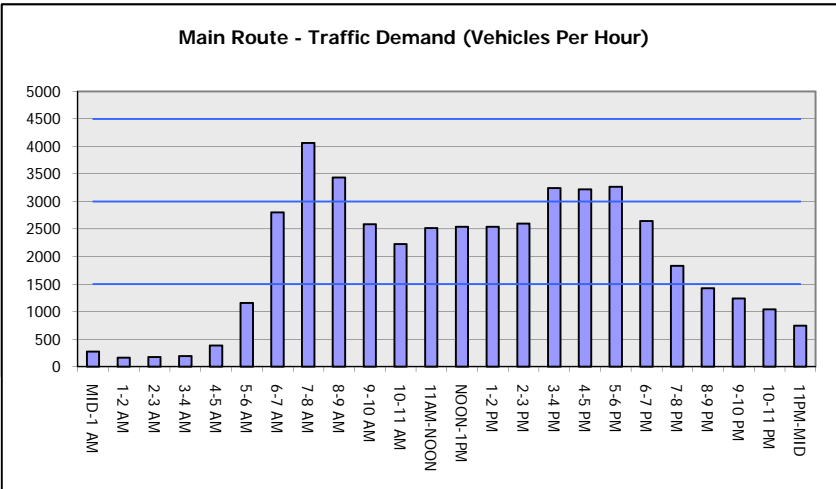
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0243
MAIN ROUTE WITH WORKS	0.0214
'DIVERSION'	0.0055
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$34,649
CONGESTED HOURS PER DAY*	5

*Delays Exceeding User-Specified Maximum

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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	OFF	436	0	0.00	0	65.6	65.6	65.6
1-2 AM	291	0.0	OFF	291	0	0.00	0	65.8	65.8	65.8
2-3 AM	223	0.0	OFF	223	0	0.00	0	66.0	66.0	66.0
3-4 AM	187	0.0	OFF	187	0	0.00	0	66.0	66.0	66.0
4-5 AM	285	0.0	OFF	285	0	0.00	0	65.8	65.8	65.8
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	1499	1867	422	10.77+	293	62.1	14.3	30.8
11AM-NOON	2830	0.0	1500	1508	1322	15.71+	405	57.5	10.6	30.8
NOON-1PM	3051	0.0	1500	1506	1545	15.58+	405	55.3	10.6	30.8
1-2 PM	3168	0.0	1500	1503	1665	15.51+	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	OFF	4060	0	6.16	414	44.9	18.8	18.8
4-5 PM	4152	0.0	OFF	4152	0	7.65	520	44.0	16.3	16.3
5-6 PM	3854	0.0	OFF	3854	0	7.98	522	47.0	16.2	16.2
6-7 PM	3128	0.0	OFF	3128	0	2.08	116	54.5	34.7	34.7
7-8 PM	2310	0.0	OFF	2310	0	0.00	0	62.1	62.1	62.1
8-9 PM	1837	0.0	OFF	1837	0	0.00	0	63.0	63.0	63.0
9-10 PM	1784	0.0	OFF	1784	0	0.00	0	63.0	63.0	63.0
10-11 PM	1572	0.0	OFF	1572	0	0.00	0	63.5	63.5	63.5
11PM-MID	1022	0.0	OFF	1022	0	0.00	0	64.5	64.5	64.5

"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	0.0225
'DIVERSION'	0.0083

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$56,556
CONGESTED HOURS PER DAY*	5

*Delays Exceeding User-Specified Maximum

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