

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

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	233	0.0	OFF	233	0	0.00	0	66.0	66.0	66.0	
1-2 AM	134	0.0	OFF	134	0	0.00	0	66.1	66.1	66.1	
2-3 AM	117	0.0	OFF	117	0	0.00	0	66.1	66.1	66.1	
3-4 AM	164	0.0	OFF	164	0	0.00	0	66.1	66.1	66.1	
4-5 AM	389	0.0	OFF	389	0	0.00	0	65.6	65.6	65.6	
5-6 AM	1157	0.0	OFF	1157	0	0.00	0	64.2	64.2	64.2	
6-7 AM	2911	0.0	OFF	2911	0	0.00	0	56.7	56.7	56.7	
7-8 AM	3953	0.0	OFF	3953	0	0.00	0	46.0	46.0	46.0	
8-9 AM	3320	0.0	OFF	3320	0	0.00	0	52.5	52.5	52.5	
9-10 AM	2284	0.0	OFF	2284	0	0.00	0	62.1	62.1	62.1	
10-11 AM	2200	0.0	1499	1845	355	10.43+	287	62.3	14.7	30.8	
11AM-NOON	2385	0.0	1500	1504	881	15.93+	404	61.9	10.6	30.8	
NOON-1PM	2450	0.0	1500	1505	945	15.91+	404	61.4	10.6	30.8	
1-2 PM	2367	0.0	1500	1503	864	15.93+	404	62.0	10.6	30.8	
2-3 PM	2590	0.0	1500	1506	1084	15.84+	404	60.0	10.6	30.8	
3-4 PM	2965	0.0	OFF	2965	0	1.21	63	56.1	41.9	41.9	
4-5 PM	3004	0.0	OFF	3004	0	0.00	0	55.7	55.7	55.7	
5-6 PM	3285	0.0	OFF	3285	0	0.00	0	52.8	52.8	52.8	
6-7 PM	2310	0.0	OFF	2310	0	0.00	0	62.1	62.1	62.1	
7-8 PM	1668	0.0	OFF	1668	0	0.00	0	63.3	63.3	63.3	
8-9 PM	1364	0.0	OFF	1364	0	0.00	0	63.8	63.8	63.8	
9-10 PM	1109	0.0	OFF	1109	0	0.00	0	64.3	64.3	64.3	
10-11 PM	773	0.0	OFF	773	0	0.00	0	65.0	65.0	65.0	
11PM-MID	448	0.0	OFF	448	0	0.00	0	65.6	65.6	65.6	

"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

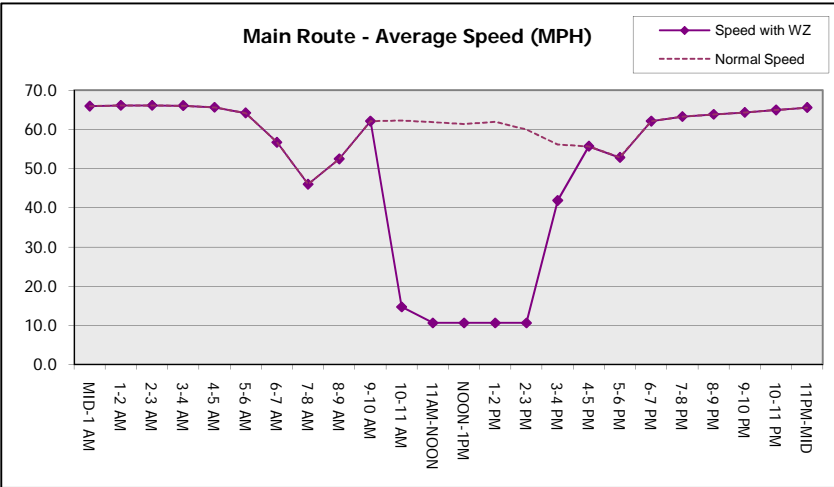
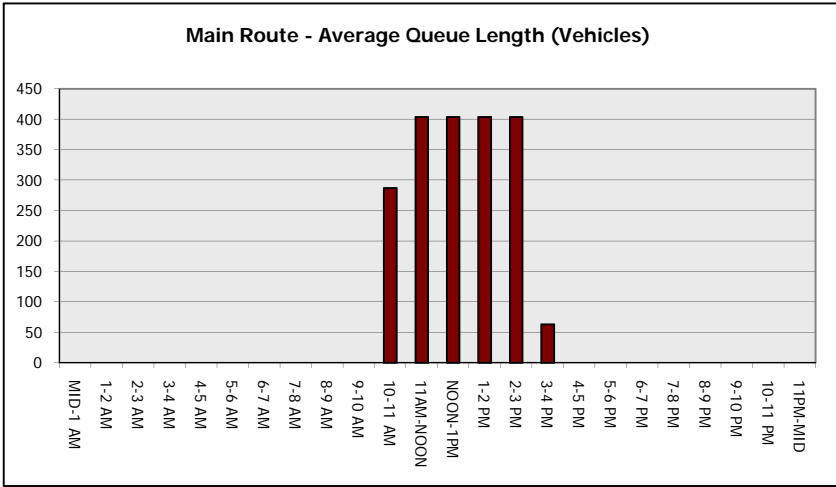
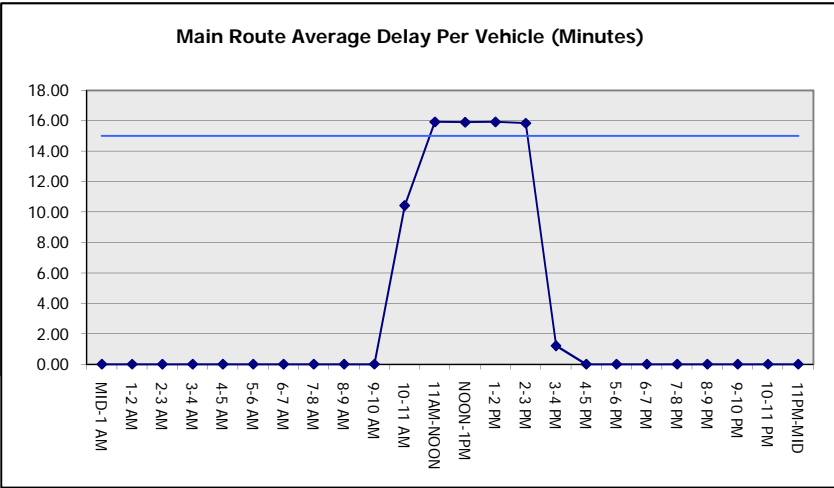
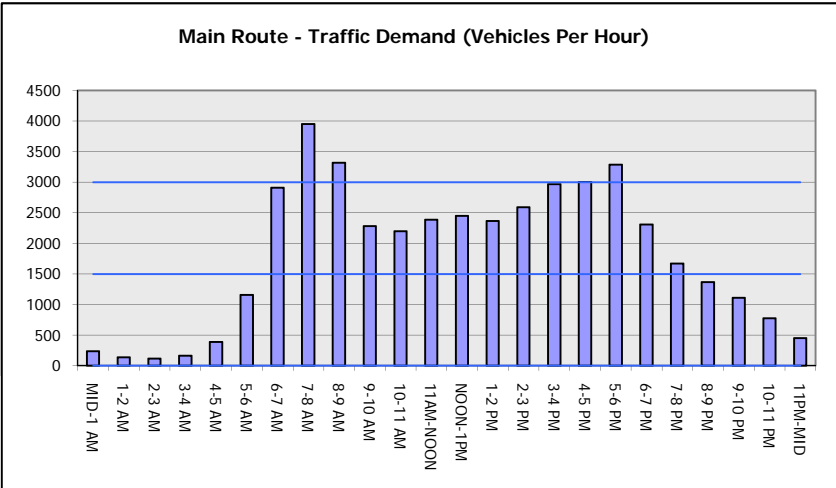
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0229
MAIN ROUTE WITH WORKS	0.0202
'DIVERSION'	0.0050
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$38,623
CONGESTED HOURS PER DAY*	5

*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	296	0.0	OFF	296	0	0.00	0	65.8	65.8	65.8
1-2 AM	187	0.0	OFF	187	0	0.00	0	66.0	66.0	66.0
2-3 AM	146	0.0	OFF	146	0	0.00	0	66.1	66.1	66.1
3-4 AM	138	0.0	OFF	138	0	0.00	0	66.1	66.1	66.1
4-5 AM	251	0.0	OFF	251	0	0.00	0	65.9	65.9	65.9
5-6 AM	769	0.0	OFF	769	0	0.00	0	65.0	65.0	65.0
6-7 AM	1784	0.0	OFF	1784	0	0.00	0	63.0	63.0	63.0
7-8 AM	2577	0.0	OFF	2577	0	0.00	0	60.1	60.1	60.1
8-9 AM	2581	0.0	OFF	2581	0	0.00	0	60.1	60.1	60.1
9-10 AM	1932	0.0	OFF	1932	0	0.00	0	62.8	62.8	62.8
10-11 AM	2023	0.0	1499	1975	48	8.43+	243	62.6	17.2	30.8
11AM-NOON	2239	0.0	1500	1485	754	15.89+	402	62.2	10.7	30.8
NOON-1PM	2407	0.0	1499	1496	910	15.93+	404	61.9	10.6	30.8
1-2 PM	2471	0.0	1499	1496	975	15.90+	404	61.2	10.6	30.8
2-3 PM	2872	0.0	1499	1491	1381	15.69+	405	57.1	10.6	30.8
3-4 PM	3589	0.0	OFF	3589	0	3.94	237	49.7	25.0	25.0
4-5 PM	3943	0.0	OFF	3943	0	0.17	9	46.1	44.3	44.3
5-6 PM	3944	0.0	OFF	3944	0	0.00	0	46.1	46.1	46.1
6-7 PM	2587	0.0	OFF	2587	0	0.00	0	60.0	60.0	60.0
7-8 PM	1903	0.0	OFF	1903	0	0.00	0	62.8	62.8	62.8
8-9 PM	1622	0.0	OFF	1622	0	0.00	0	63.3	63.3	63.3
9-10 PM	1441	0.0	OFF	1441	0	0.00	0	63.7	63.7	63.7
10-11 PM	977	0.0	OFF	977	0	0.00	0	64.6	64.6	64.6
11PM-MID	561	0.0	OFF	561	0	0.00	0	65.3	65.3	65.3

"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	0.0227
MAIN ROUTE WITH WORKS	0.0200
'DIVERSION'	0.0049
<small>PIA: Personal Injury Accidents</small>	
ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$40,297
CONGESTED HOURS PER DAY*	5

*Delays Exceeding User-Specified Maximum

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