

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

SATURDAY 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	375	0.0	OFF	375	0	0.00	0	65.7	65.7	65.7
1-2 AM	178	0.0	OFF	178	0	0.00	0	66.1	66.1	66.1
2-3 AM	142	0.0	OFF	142	0	0.00	0	66.1	66.1	66.1
3-4 AM	151	0.0	OFF	151	0	0.00	0	66.1	66.1	66.1
4-5 AM	224	0.0	OFF	224	0	0.00	0	66.0	66.0	66.0
5-6 AM	427	0.0	OFF	427	0	0.00	0	65.6	65.6	65.6
6-7 AM	770	0.0	OFF	770	0	0.00	0	65.0	65.0	65.0
7-8 AM	1349	0.0	OFF	1349	0	0.00	0	63.9	63.9	63.9
8-9 AM	1831	0.0	1499	1831	0	6.04	161	63.0	21.5	30.8
9-10 AM	1469	0.0	1499	1469	0	12.67	314	63.7	12.5	30.8
10-11 AM	1879	0.0	1500	1621	258	15.10+	382	62.9	11.1	30.8
11AM-NOON	2559	0.0	1499	1498	1061	15.84+	404	60.3	10.6	30.8
NOON-1PM	2614	0.0	1499	1498	1116	15.81+	404	59.7	10.6	30.8
1-2 PM	2587	0.0	1499	1499	1088	15.82+	404	60.0	10.6	30.8
2-3 PM	2627	0.0	1499	1498	1129	15.80+	404	59.6	10.6	30.8
3-4 PM	2642	0.0	1499	1498	1144	15.79+	404	59.4	10.6	30.8
4-5 PM	2671	0.0	1499	1498	1173	15.78+	404	59.1	10.6	30.8
5-6 PM	2464	0.0	1500	1500	965	15.88+	404	61.2	10.7	30.8
6-7 PM	2265	0.0	OFF	2265	0	0.90	48	62.2	48.5	48.5
7-8 PM	1343	0.0	OFF	1343	0	0.00	0	63.9	63.9	63.9
8-9 PM	1076	0.0	OFF	1076	0	0.00	0	64.4	64.4	64.4
9-10 PM	1245	0.0	OFF	1245	0	0.00	0	64.1	64.1	64.1
10-11 PM	1079	0.0	OFF	1079	0	0.00	0	64.4	64.4	64.4
11PM-MID	720	0.0	OFF	720	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

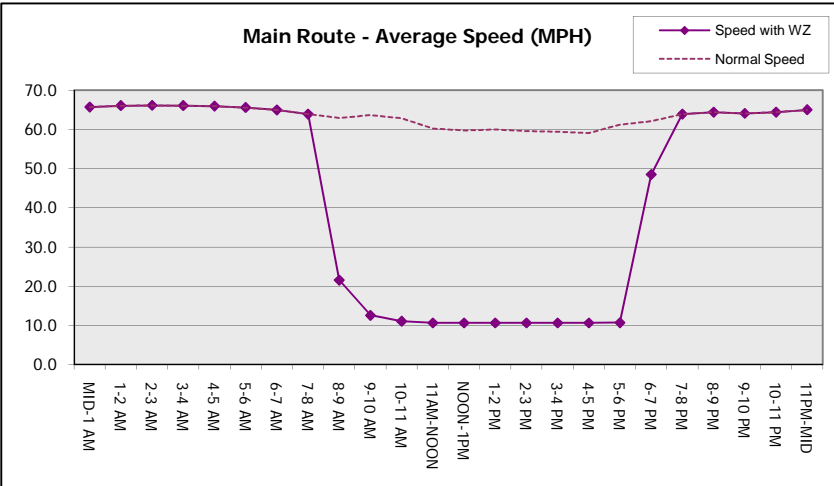
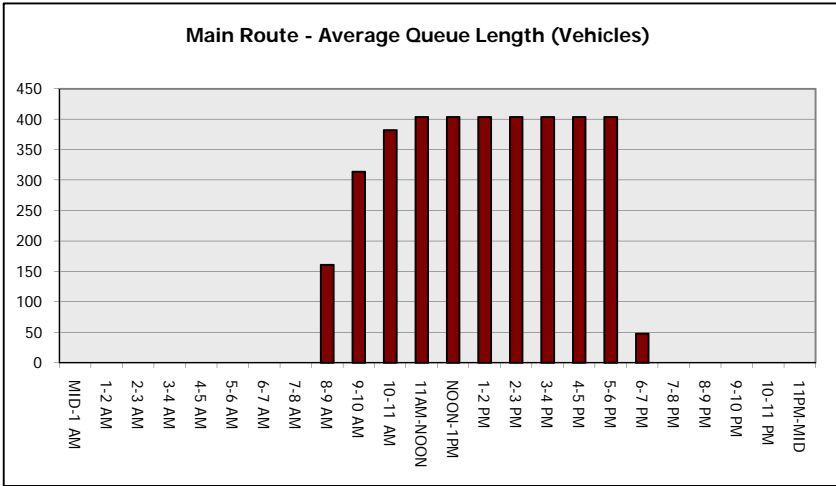
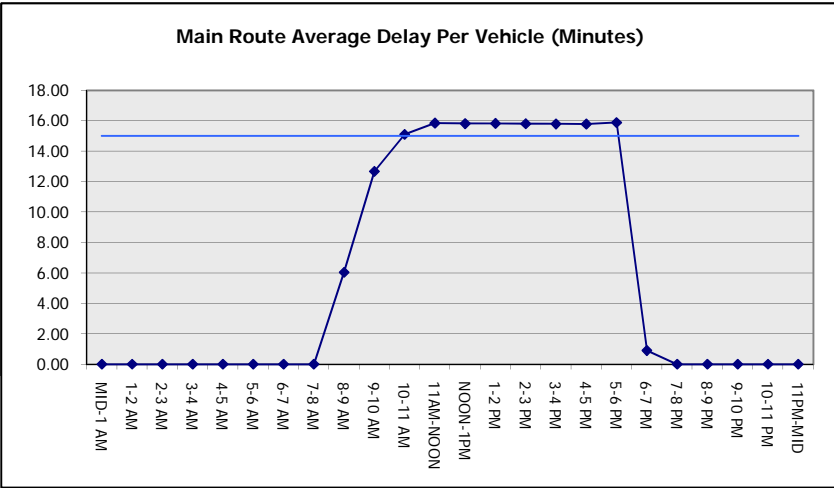
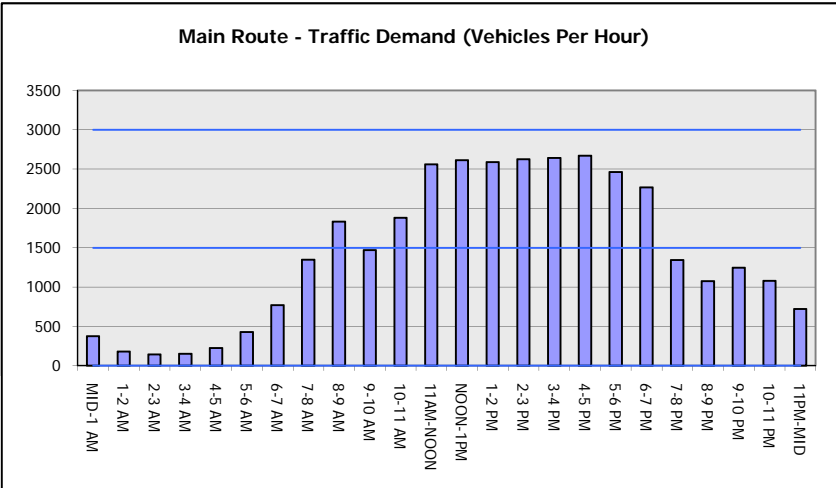
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0182
MAIN ROUTE WITH WORKS	0.0130
'DIVERSION'	0.0096
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$95,463
CONGESTED HOURS PER DAY*	8

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SATURDAY SOUTHBOUND DIRECTION



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SUMMARY OF TRAFFIC MODEL OUTPUT

SATURDAY 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	559	0.0	OFF	559	0	0.00	0	65.3	65.3	65.3
1-2 AM	353	0.0	OFF	353	0	0.00	0	65.7	65.7	65.7
2-3 AM	274	0.0	OFF	274	0	0.00	0	65.9	65.9	65.9
3-4 AM	196	0.0	OFF	196	0	0.00	0	66.0	66.0	66.0
4-5 AM	195	0.0	OFF	195	0	0.00	0	66.0	66.0	66.0
5-6 AM	388	0.0	OFF	388	0	0.00	0	65.6	65.6	65.6
6-7 AM	808	0.0	OFF	808	0	0.00	0	64.9	64.9	64.9
7-8 AM	1328	0.0	OFF	1328	0	0.00	0	63.9	63.9	63.9
8-9 AM	1848	0.0	1499	1848	0	6.21	168	63.0	21.2	30.8
9-10 AM	1495	0.0	1499	1495	0	13.79	344	63.6	11.7	30.8
10-11 AM	1877	0.0	1500	1569	308	15.66+	396	62.9	10.7	30.8
11AM-NOON	2624	0.0	1499	1499	1125	15.80+	404	59.6	10.6	30.8
NOON-1PM	2859	0.0	1499	1499	1360	15.69+	405	57.2	10.6	30.8
1-2 PM	2692	0.0	1500	1499	1193	15.76+	404	58.9	10.6	30.8
2-3 PM	2716	0.0	1499	1499	1216	15.75+	404	58.7	10.6	30.8
3-4 PM	2705	0.0	1499	1499	1206	15.76+	404	58.8	10.6	30.8
4-5 PM	2475	0.0	1500	1500	975	15.88+	404	61.2	10.7	30.8
5-6 PM	2251	0.0	1500	1500	751	15.93+	404	62.2	10.7	30.8
6-7 PM	1981	0.0	OFF	1981	0	0.65	40	62.7	52.0	52.0
7-8 PM	1242	0.0	OFF	1242	0	0.00	0	64.1	64.1	64.1
8-9 PM	1216	0.0	OFF	1216	0	0.00	0	64.1	64.1	64.1
9-10 PM	1753	0.0	OFF	1753	0	0.00	0	63.1	63.1	63.1
10-11 PM	1353	0.0	OFF	1353	0	0.00	0	63.8	63.8	63.8
11PM-MID	900	0.0	OFF	900	0	0.00	0	64.7	64.7	64.7

"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	0.0189
MAIN ROUTE WITH WORKS	0.0137
'DIVERSION'	0.0099

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$96,758
CONGESTED HOURS PER DAY*	8

*Delays Exceeding User-Specified Maximum

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