

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

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	1500	375	0	0.46	0	65.7	57.0	44.0	
1-2 AM	178	0.0	1500	178	0	0.44	0	66.1	57.6	44.8	
2-3 AM	142	0.0	1500	142	0	0.44	0	66.1	57.7	44.9	
3-4 AM	151	0.0	1500	151	0	0.44	0	66.1	57.7	44.9	
4-5 AM	224	0.0	1500	224	0	0.44	0	66.0	57.4	44.6	
5-6 AM	427	0.0	1500	427	0	0.46	0	65.6	56.8	43.8	
6-7 AM	770	0.0	1500	770	0	0.50	0	65.0	55.8	42.5	
7-8 AM	1349	0.0	1499	1349	0	0.82	0	63.9	50.5	34.6	
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	1500	1500	765	15.93+	404	62.2	10.7	30.8	
7-8 PM	1343	0.0	1499	1332	12	14.17+	359	63.9	11.6	30.8	
8-9 PM	1076	0.0	1499	1076	0	2.11	71	64.4	38.2	38.7	
9-10 PM	1245	0.0	1500	1245	0	0.69	0	64.1	52.3	37.1	
10-11 PM	1079	0.0	1500	1079	0	0.53	0	64.4	55.0	41.4	
11PM-MID	720	0.0	1500	720	0	0.49	0	65.0	56.0	42.7	

+ 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

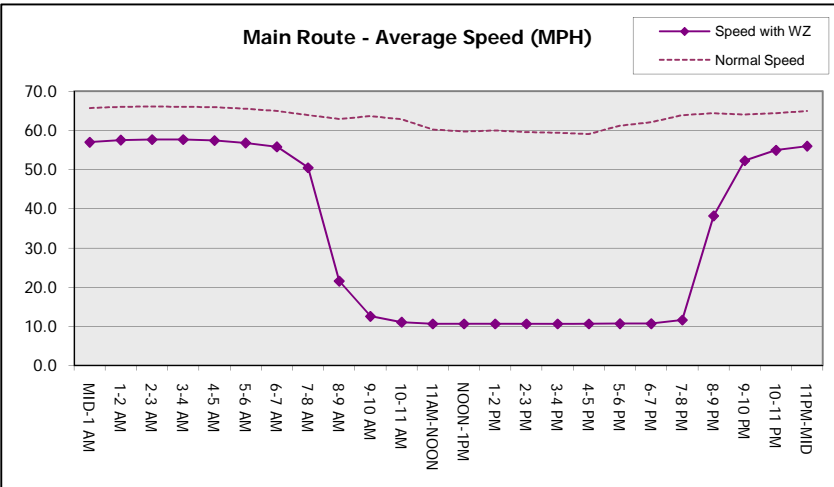
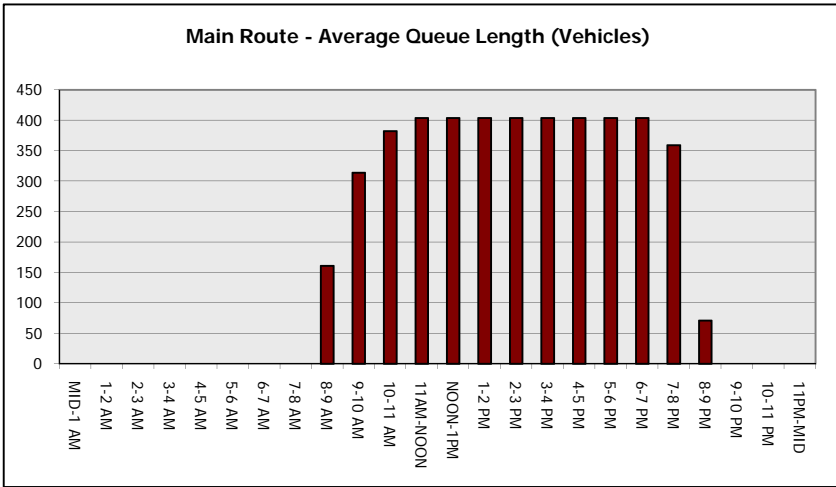
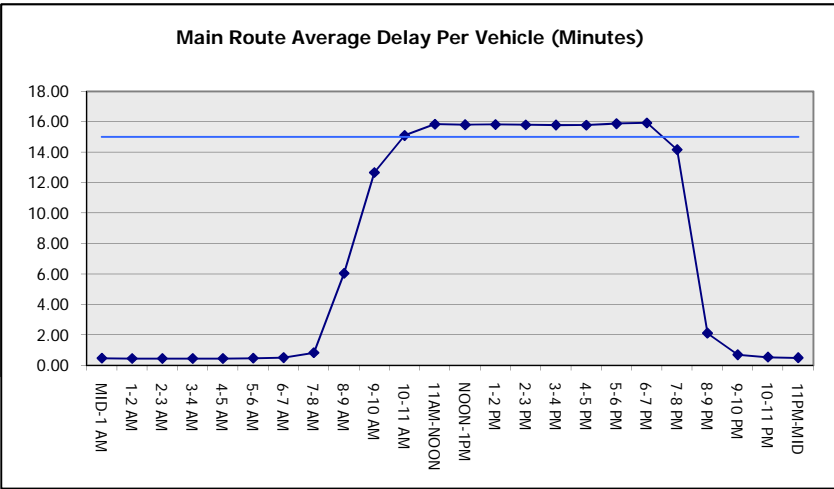
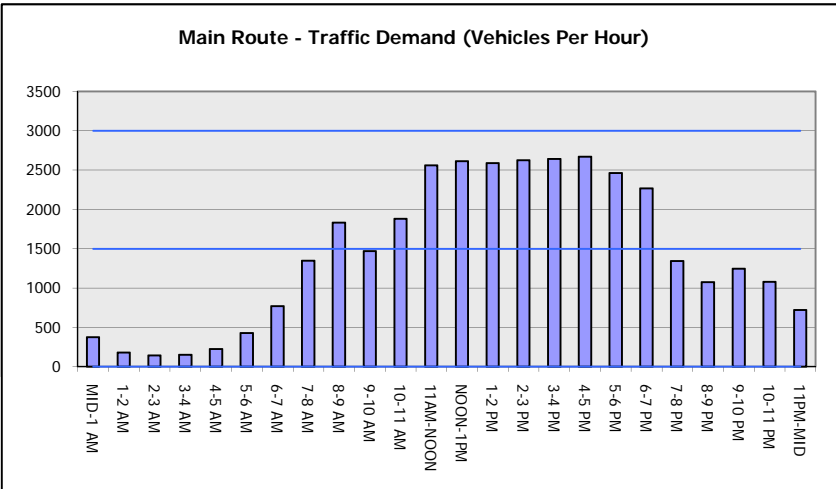
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0182
MAIN ROUTE WITH WORKS	0.0119
'DIVERSION'	0.0106
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$113,726
CONGESTED HOURS PER DAY*	10

*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	1500	559	0	0.48	0	65.3	56.4	43.3	
1-2 AM	353	0.0	1500	353	0	0.46	0	65.7	57.1	44.1	
2-3 AM	274	0.0	1500	274	0	0.45	0	65.9	57.3	44.4	
3-4 AM	196	0.0	1500	196	0	0.44	0	66.0	57.6	44.7	
4-5 AM	195	0.0	1500	195	0	0.44	0	66.0	57.6	44.7	
5-6 AM	388	0.0	1500	388	0	0.46	0	65.6	56.9	44.0	
6-7 AM	808	0.0	1500	808	0	0.50	0	64.9	55.7	42.4	
7-8 AM	1328	0.0	1499	1328	0	0.79	0	63.9	50.9	35.1	
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	1500	1500	481	15.95+	403	62.7	10.7	30.8	
7-8 PM	1242	0.0	1499	1242	0	11.64+	301	64.1	13.5	31.5	
8-9 PM	1216	0.0	1500	1216	0	1.52	31	64.1	43.0	36.5	
9-10 PM	1753	0.0	1499	1753	0	4.88	122	63.1	24.7	30.8	
10-11 PM	1353	0.0	1499	1353	0	8.41	206	63.8	17.2	31.3	
11PM-MID	900	0.0	1500	900	0	0.78	11	64.7	51.5	42.0	

+ 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	0.0126
'DIVERSION'	0.0105

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$117,929
CONGESTED HOURS PER DAY*	10

*Delays Exceeding User-Specified Maximum

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