

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

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	1500	233	0	0.45	0	66.0	57.4	44.5	
1-2 AM	134	0.0	1500	134	0	0.44	0	66.1	57.8	45.0	
2-3 AM	117	0.0	1500	117	0	0.43	0	66.1	57.8	45.0	
3-4 AM	164	0.0	1500	164	0	0.44	0	66.1	57.6	44.8	
4-5 AM	389	0.0	1500	389	0	0.46	0	65.6	56.9	43.9	
5-6 AM	1157	0.0	1499	1157	0	0.73	0	64.2	52.0	36.8	
6-7 AM	2911	0.0	1499	2025	886	12.65+	335	56.7	12.4	32.2	
7-8 AM	3953	0.0	1499	1490	2463	14.70+	405	46.0	10.7	33.0	
8-9 AM	3320	0.0	1499	1489	1830	15.28+	405	52.5	10.7	32.4	
9-10 AM	2284	0.0	1499	1453	832	15.78+	401	62.1	10.7	31.4	
10-11 AM	2200	0.0	1499	1499	701	15.93+	404	62.3	10.7	30.8	
11AM-NOON	2385	0.0	1499	1497	888	15.93+	404	61.9	10.6	30.8	
NOON-1PM	2450	0.0	1499	1496	953	15.90+	404	61.4	10.6	30.8	
1-2 PM	2367	0.0	1499	1498	868	15.92+	404	62.0	10.6	30.8	
2-3 PM	2590	0.0	1499	1495	1095	15.84+	404	60.0	10.6	30.8	
3-4 PM	2965	0.0	1499	1491	1473	15.64+	405	56.1	10.6	30.8	
4-5 PM	3004	0.0	1499	1493	1511	15.62+	405	55.7	10.6	30.8	
5-6 PM	3285	0.0	1499	1499	1786	15.44+	406	52.8	10.6	30.8	
6-7 PM	2310	0.0	1500	1499	811	15.93+	404	62.1	10.7	30.8	
7-8 PM	1668	0.0	1500	1469	199	15.85+	400	63.3	10.7	30.8	
8-9 PM	1364	0.0	1499	1364	0	13.63+	342	63.8	11.9	30.8	
9-10 PM	1109	0.0	1499	1109	0	2.88	99	64.3	33.2	37.1	
10-11 PM	773	0.0	1500	773	0	0.50	0	65.0	55.8	42.5	
11PM-MID	448	0.0	1500	448	0	0.47	0	65.6	56.8	43.7	

+ 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

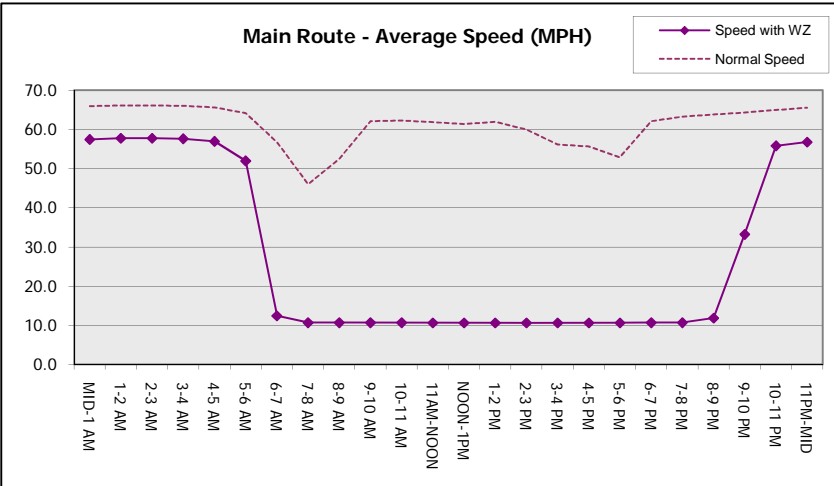
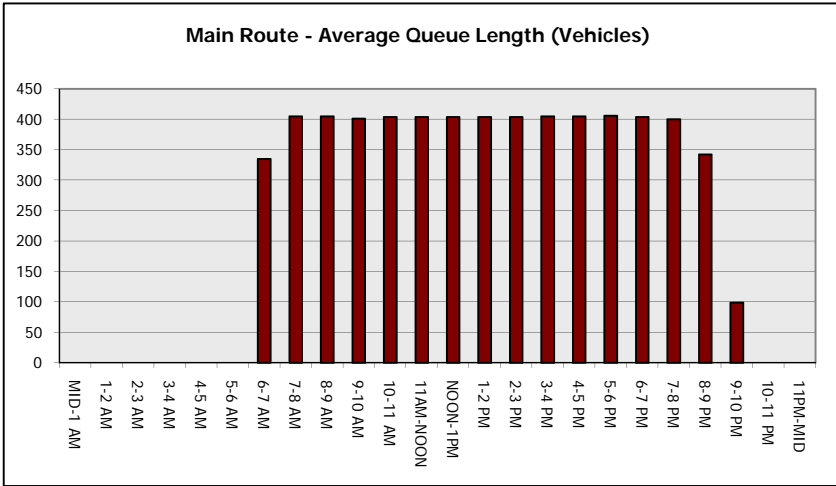
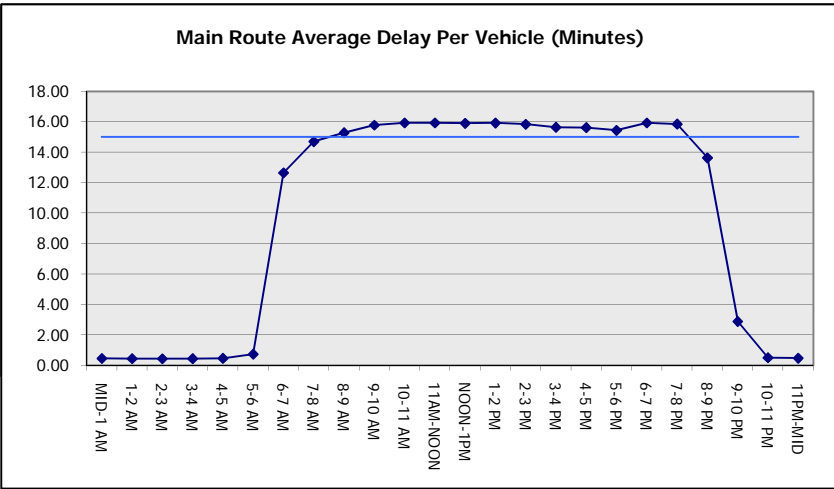
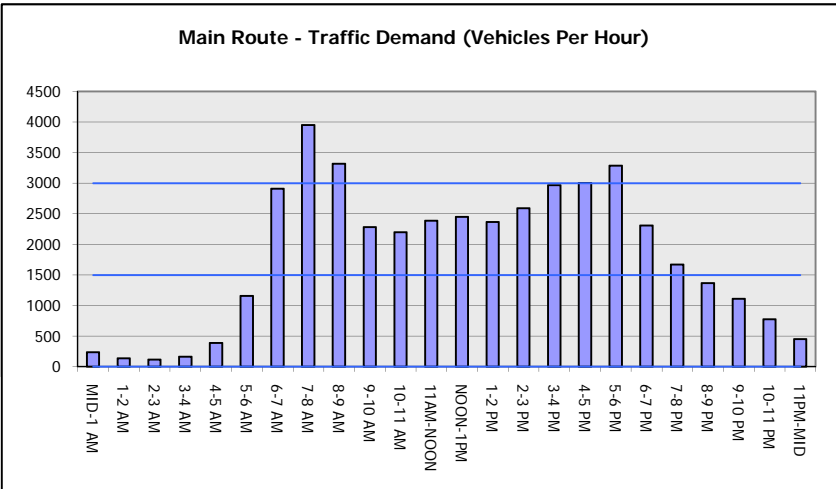
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0229
MAIN ROUTE WITH WORKS	0.0125
'DIVERSION'	0.0198
<small>PIA: Personal Injury Accidents</small>	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$132,604
CONGESTED HOURS PER DAY*	15

*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	1500	296	0	0.45	0	65.8	57.3	44.3	
1-2 AM	187	0.0	1500	187	0	0.44	0	66.0	57.6	44.7	
2-3 AM	146	0.0	1500	146	0	0.44	0	66.1	57.7	44.9	
3-4 AM	138	0.0	1500	138	0	0.44	0	66.1	57.7	45.0	
4-5 AM	251	0.0	1500	251	0	0.45	0	65.9	57.4	44.5	
5-6 AM	769	0.0	1500	769	0	0.50	0	65.0	55.8	42.5	
6-7 AM	1784	0.0	1499	1784	0	3.19	85	63.0	31.2	30.8	
7-8 AM	2577	0.0	1499	1563	1014	15.66+	399	60.1	10.7	30.8	
8-9 AM	2581	0.0	1500	1507	1073	15.85+	404	60.1	10.6	30.8	
9-10 AM	1932	0.0	1500	1514	418	15.90+	402	62.8	10.7	30.8	
10-11 AM	2023	0.0	1499	1501	522	15.95+	403	62.6	10.7	30.8	
11AM-NOON	2239	0.0	1500	1501	738	15.93+	404	62.2	10.7	30.8	
NOON-1PM	2407	0.0	1500	1502	905	15.92+	404	61.9	10.6	30.8	
1-2 PM	2471	0.0	1500	1502	968	15.89+	404	61.2	10.6	30.8	
2-3 PM	2872	0.0	1500	1506	1366	15.68+	405	57.1	10.6	30.8	
3-4 PM	3589	0.0	1499	1500	2089	15.20+	406	49.7	10.6	30.8	
4-5 PM	3943	0.0	1500	1500	2443	14.87+	406	46.1	10.6	30.8	
5-6 PM	3944	0.0	1500	1500	2444	14.87+	406	46.1	10.6	30.8	
6-7 PM	2587	0.0	1500	1504	1083	15.83+	404	60.0	10.6	30.8	
7-8 PM	1903	0.0	1500	1500	403	15.96+	403	62.8	10.7	30.8	
8-9 PM	1622	0.0	1500	1522	100	15.88+	400	63.3	10.7	30.8	
9-10 PM	1441	0.0	1500	1430	11	15.37+	387	63.7	10.9	30.8	
10-11 PM	977	0.0	1499	977	0	3.22	129	64.6	31.5	37.8	
11PM-MID	561	0.0	1500	561	0	0.48	0	65.3	56.4	43.3	

+ INDICATES QUEUEING EXCEEDS USER-SPECIFIED MAXIMUM LIMIT

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

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

MAIN ROUTE WITHOUT WORKS	0.0227
MAIN ROUTE WITH WORKS	0.0127
'DIVERSION'	0.0189

PIA: Personal Injury Accidents

ROAD USER COSTS PER DAY	\$132,646
CONGESTED HOURS PER DAY*	15

*Delays Exceeding User-Specified Maximum

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