

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

SUNDAY 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	372	0.0	1500	372	0	0.46	0	65.7	57.0	44.0
1-2 AM	189	0.0	1500	189	0	0.44	0	66.0	57.6	44.7
2-3 AM	136	0.0	1500	136	0	0.44	0	66.1	57.8	45.0
3-4 AM	115	0.0	1500	115	0	0.43	0	66.2	57.8	45.0
4-5 AM	120	0.0	1500	120	0	0.43	0	66.1	57.8	45.0
5-6 AM	239	0.0	1500	239	0	0.45	0	66.0	57.4	44.5
6-7 AM	447	0.0	1500	447	0	0.47	0	65.6	56.8	43.7
7-8 AM	711	0.0	1500	711	0	0.49	0	65.1	56.0	42.7
8-9 AM	1118	0.0	1499	1118	0	0.60	0	64.3	53.8	39.4
9-10 AM	1692	0.0	1499	1692	0	2.94	65	63.2	32.6	30.8
10-11 AM	2097	0.0	1500	1741	356	13.94+	358	62.5	11.7	30.8
11AM-NOON	2613	0.0	1499	1496	1116	15.82+	404	59.7	10.6	30.8
NOON-1PM	2775	0.0	1499	1494	1281	15.73+	404	58.1	10.6	30.8
1-2 PM	2655	0.0	1499	1497	1158	15.79+	404	59.3	10.6	30.8
2-3 PM	2665	0.0	1499	1497	1168	15.78+	404	59.2	10.6	30.8
3-4 PM	2693	0.0	1499	1497	1196	15.77+	404	58.9	10.6	30.8
4-5 PM	2661	0.0	1499	1498	1163	15.78+	404	59.2	10.6	30.8
5-6 PM	2493	0.0	1499	1500	993	15.87+	404	61.0	10.7	30.8
6-7 PM	2140	0.0	1500	1500	640	15.94+	404	62.4	10.7	30.8
7-8 PM	1923	0.0	1500	1500	423	15.96+	403	62.8	10.7	30.8
8-9 PM	1592	0.0	1500	1483	109	15.91+	401	63.4	10.7	30.8
9-10 PM	1196	0.0	1499	1196	0	10.07	269	64.1	15.0	32.6
10-11 PM	778	0.0	1500	778	0	0.67	6	65.0	53.3	42.4
11PM-MID	389	0.0	1500	389	0	0.46	0	65.6	56.9	43.9

+ 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

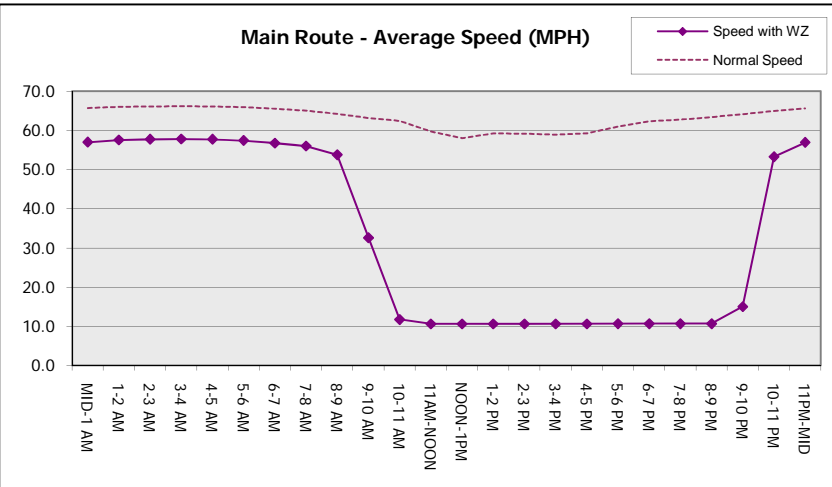
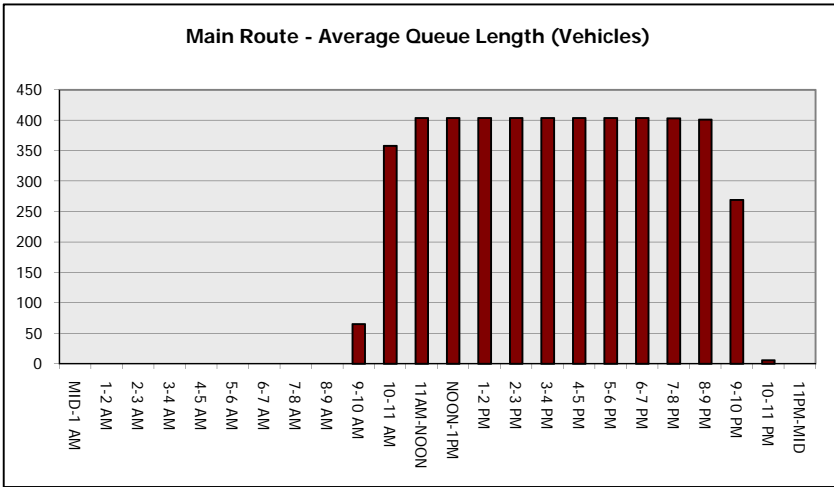
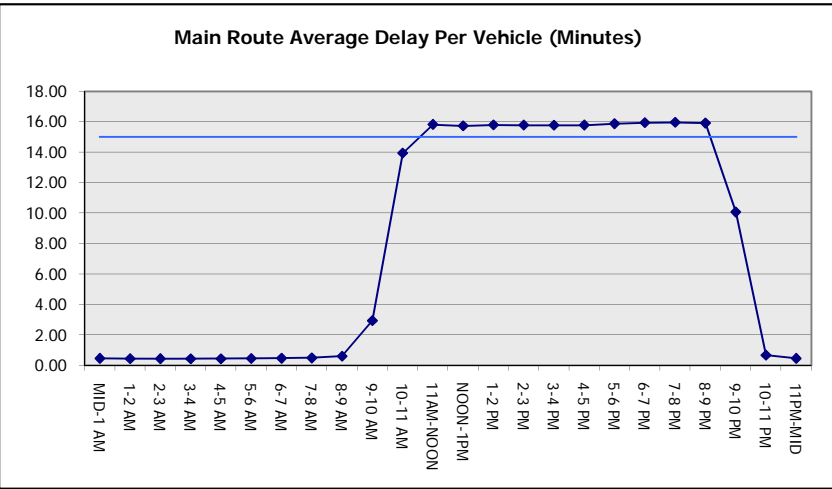
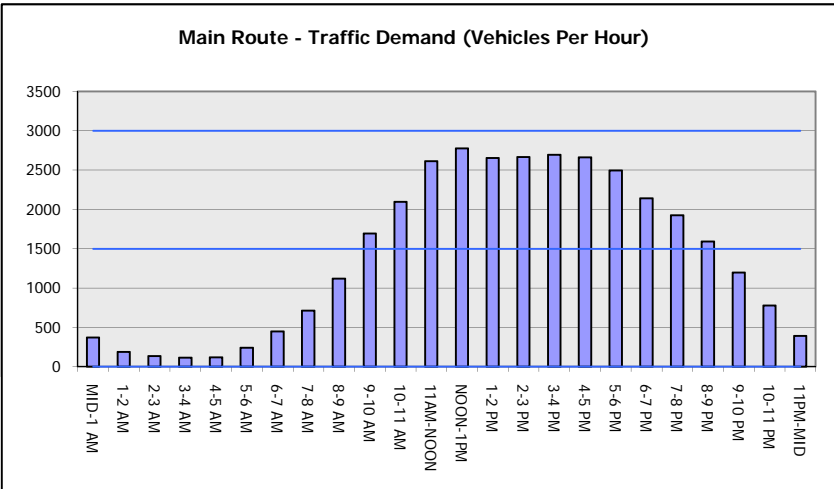
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0178
MAIN ROUTE WITH WORKS	0.0111
'DIVERSION'	0.0117
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$121,168
CONGESTED HOURS PER DAY*	11

*Delays Exceeding User-Specified Maximum

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MAY
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Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY SOUTHBOUND DIRECTION



IH 43: STH 100/BROWN DEER RD TO SILVER SPRING DR (MILWAUKEE COUNTY) CONTINUOUS (24 HOUR) CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	MAY
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SUMMARY OF TRAFFIC MODEL OUTPUT

SUNDAY 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	525	0.0	1500	525	0	0.47	0	65.4	56.6	43.4
1-2 AM	349	0.0	1500	349	0	0.46	0	65.8	57.1	44.1
2-3 AM	315	0.0	1500	315	0	0.45	0	65.8	57.2	44.2
3-4 AM	185	0.0	1500	185	0	0.44	0	66.0	57.6	44.7
4-5 AM	168	0.0	1500	168	0	0.44	0	66.1	57.6	44.8
5-6 AM	259	0.0	1500	259	0	0.45	0	65.9	57.4	44.5
6-7 AM	449	0.0	1500	449	0	0.47	0	65.6	56.8	43.7
7-8 AM	666	0.0	1500	666	0	0.49	0	65.1	56.1	42.9
8-9 AM	940	0.0	1499	940	0	0.51	0	64.6	55.3	41.9
9-10 AM	1426	0.0	1499	1426	0	1.02	3	63.7	47.9	32.8
10-11 AM	1752	0.0	1500	1752	0	4.59	115	63.1	25.6	30.8
11AM-NOON	2199	0.0	1499	1667	532	15.31+	389	62.3	10.9	30.8
NOON-1PM	2398	0.0	1499	1499	899	15.92+	404	61.9	10.7	30.8
1-2 PM	2420	0.0	1499	1499	921	15.91+	404	61.7	10.7	30.8
2-3 PM	2450	0.0	1499	1499	951	15.89+	404	61.4	10.7	30.8
3-4 PM	2496	0.0	1499	1498	998	15.87+	404	60.9	10.6	30.8
4-5 PM	2585	0.0	1499	1497	1087	15.83+	404	60.1	10.6	30.8
5-6 PM	2375	0.0	1499	1499	875	15.92+	404	62.0	10.7	30.8
6-7 PM	1903	0.0	1499	1499	404	15.96+	403	62.8	10.7	30.8
7-8 PM	1687	0.0	1499	1483	204	15.91+	402	63.2	10.7	30.8
8-9 PM	1328	0.0	1499	1328	0	13.47+	340	63.9	12.0	30.8
9-10 PM	1084	0.0	1499	1084	0	2.36	79	64.3	36.5	37.8
10-11 PM	734	0.0	1500	734	0	0.49	0	65.0	56.0	42.6
11PM-MID	442	0.0	1500	442	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 (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	0.0163
MAIN ROUTE WITH WORKS	0.0111
'DIVERSION'	0.0084

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$100,223
CONGESTED HOURS PER DAY*	10

*Delays Exceeding User-Specified Maximum

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SUNDAY NORTHBOUND DIRECTION

