

<b>IH 43: STH 100/BROWN DEER RD TO SILVER SPRING DR (MILWAUKEE COUNTY)</b> <b>NIGHTTIME CLOSURE</b> <b>NO DIVERSION ROUTE (MAX QUEUE METHOD)</b>	<b>MAY</b>
	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	OFF	1692	0	0.00	0	63.2	63.2	63.2	
10-11 AM	2097	0.0	OFF	2097	0	0.00	0	62.5	62.5	62.5	
11AM-NOON	2613	0.0	OFF	2613	0	0.00	0	59.7	59.7	59.7	
NOON-1PM	2775	0.0	OFF	2775	0	0.00	0	58.1	58.1	58.1	
1-2 PM	2655	0.0	OFF	2655	0	0.00	0	59.3	59.3	59.3	
2-3 PM	2665	0.0	OFF	2665	0	0.00	0	59.2	59.2	59.2	
3-4 PM	2693	0.0	OFF	2693	0	0.00	0	58.9	58.9	58.9	
4-5 PM	2661	0.0	OFF	2661	0	0.00	0	59.2	59.2	59.2	
5-6 PM	2493	0.0	OFF	2493	0	0.00	0	61.0	61.0	61.0	
6-7 PM	2140	0.0	OFF	2140	0	0.00	0	62.4	62.4	62.4	
7-8 PM	1923	0.0	1499	1923	0	8.21	228	62.8	17.4	30.8	
8-9 PM	1592	0.0	1499	1462	130	15.83+	399	63.4	10.7	30.8	
9-10 PM	1196	0.0	1499	1196	0	9.65	258	64.1	15.5	32.7	
10-11 PM	778	0.0	1500	778	0	0.63	5	65.0	53.8	42.4	
11PM-MID	389	0.0	1500	389	0	0.46	0	65.6	56.9	43.9	

"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

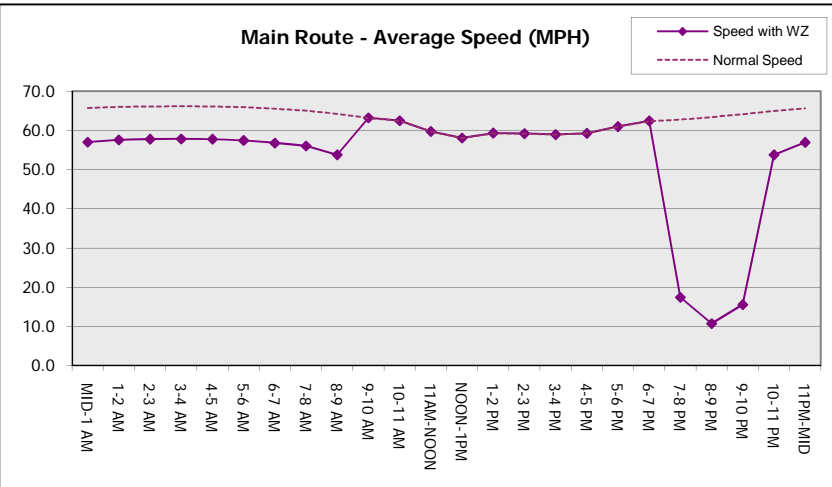
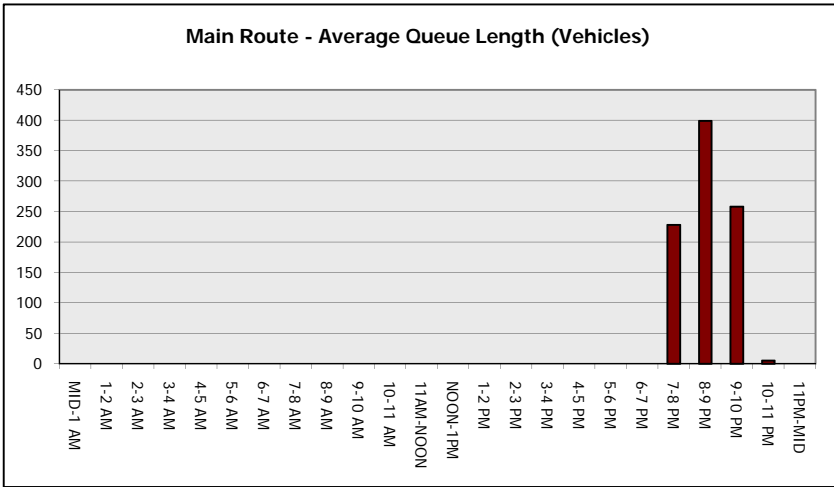
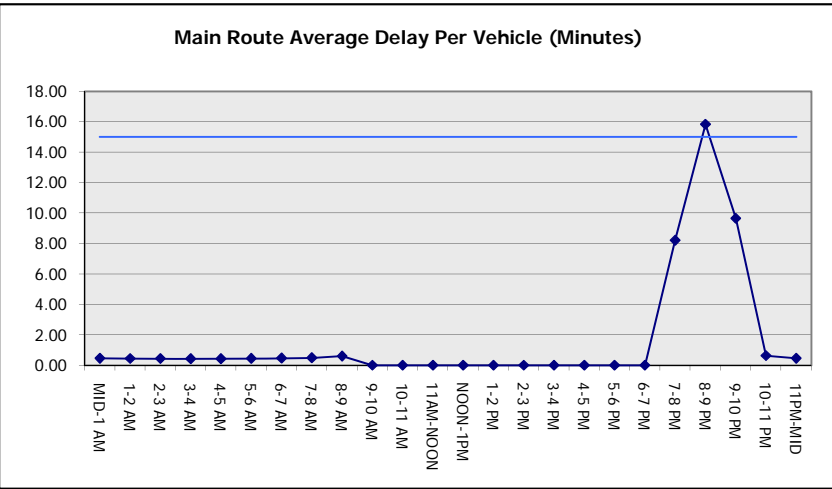
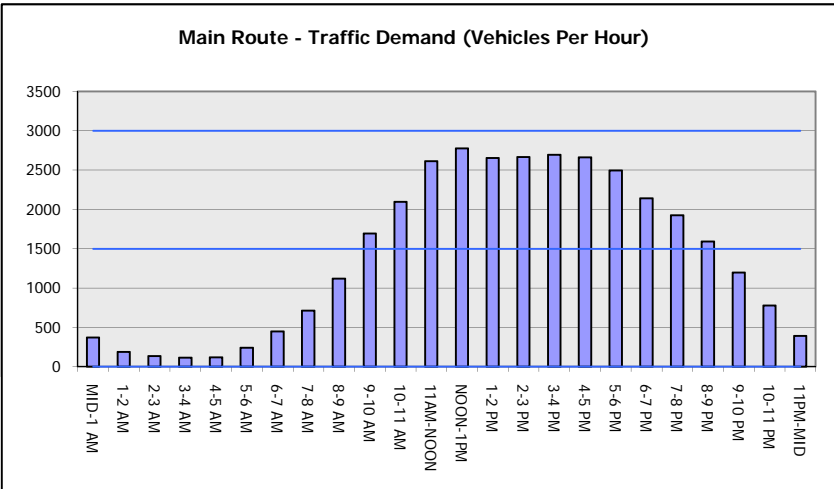
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0178
MAIN ROUTE WITH WORKS	0.0171
'DIVERSION'	0.0002
<small>PIA: Personal Injury Accidents</small>	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$15,359
CONGESTED HOURS PER DAY*	1

\*Delays Exceeding User-Specified Maximum

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**NIGHTTIME CLOSURE**  
**NO DIVERSION ROUTE (MAX QUEUE METHOD)**

**MAY**  
 Analyzed for 2009  
 Construction Season

**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**SUNDAY SOUTHBOUND DIRECTION**



<b>IH 43: STH 100/BROWN DEER RD TO SILVER SPRING DR (MILWAUKEE COUNTY)</b> <b>NIGHTTIME CLOSURE</b> <b>NO DIVERSION ROUTE (MAX QUEUE METHOD)</b>	<b>MAY</b>
	Analyzed for 2009 Construction Season

**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	OFF	1426	0	0.00	0	63.7	63.7	63.7
10-11 AM	1752	0.0	OFF	1752	0	0.00	0	63.1	63.1	63.1
11AM-NOON	2199	0.0	OFF	2199	0	0.00	0	62.3	62.3	62.3
NOON-1PM	2398	0.0	OFF	2398	0	0.00	0	61.9	61.9	61.9
1-2 PM	2420	0.0	OFF	2420	0	0.00	0	61.7	61.7	61.7
2-3 PM	2450	0.0	OFF	2450	0	0.00	0	61.4	61.4	61.4
3-4 PM	2496	0.0	OFF	2496	0	0.00	0	60.9	60.9	60.9
4-5 PM	2585	0.0	OFF	2585	0	0.00	0	60.1	60.1	60.1
5-6 PM	2375	0.0	OFF	2375	0	0.00	0	62.0	62.0	62.0
6-7 PM	1903	0.0	OFF	1903	0	0.00	0	62.8	62.8	62.8
7-8 PM	1687	0.0	1499	1687	0	4.78	111	63.2	25.0	30.8
8-9 PM	1328	0.0	1499	1328	0	4.99	120	63.9	24.5	32.2
9-10 PM	1084	0.0	1500	1084	0	0.56	0	64.3	54.4	40.7
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

"OFF" INDICATES NO ROAD WORK (ALL LANES OPEN TO TRAFFIC)

*----- 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	0.0157
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$4,948
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding User-Specified Maximum

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**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**SUNDAY NORTHBOUND DIRECTION**

