

IH 43: STH 100/BROWN DEER RD TO SILVER SPRING DR (MILWAUKEE COUNTY) NIGHTTIME 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	OFF	1157	0	0.00	0	64.2	64.2	64.2
6-7 AM	2911	0.0	OFF	2911	0	0.00	0	56.7	56.7	56.7
7-8 AM	3953	0.0	OFF	3953	0	0.00	0	46.0	46.0	46.0
8-9 AM	3320	0.0	OFF	3320	0	0.00	0	52.5	52.5	52.5
9-10 AM	2284	0.0	OFF	2284	0	0.00	0	62.1	62.1	62.1
10-11 AM	2200	0.0	OFF	2200	0	0.00	0	62.3	62.3	62.3
11AM-NOON	2385	0.0	OFF	2385	0	0.00	0	61.9	61.9	61.9
NOON-1PM	2450	0.0	OFF	2450	0	0.00	0	61.4	61.4	61.4
1-2 PM	2367	0.0	OFF	2367	0	0.00	0	62.0	62.0	62.0
2-3 PM	2590	0.0	OFF	2590	0	0.00	0	60.0	60.0	60.0
3-4 PM	2965	0.0	OFF	2965	0	0.00	0	56.1	56.1	56.1
4-5 PM	3004	0.0	OFF	3004	0	0.00	0	55.7	55.7	55.7
5-6 PM	3285	0.0	OFF	3285	0	0.00	0	52.8	52.8	52.8
6-7 PM	2310	0.0	OFF	2310	0	0.00	0	62.1	62.1	62.1
7-8 PM	1668	0.0	1499	1668	0	4.93	113	63.3	24.6	30.8
8-9 PM	1364	0.0	1499	1364	0	5.06	117	63.8	24.2	31.7
9-10 PM	1109	0.0	1500	1109	0	0.62	1	64.3	53.5	40.2
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

"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

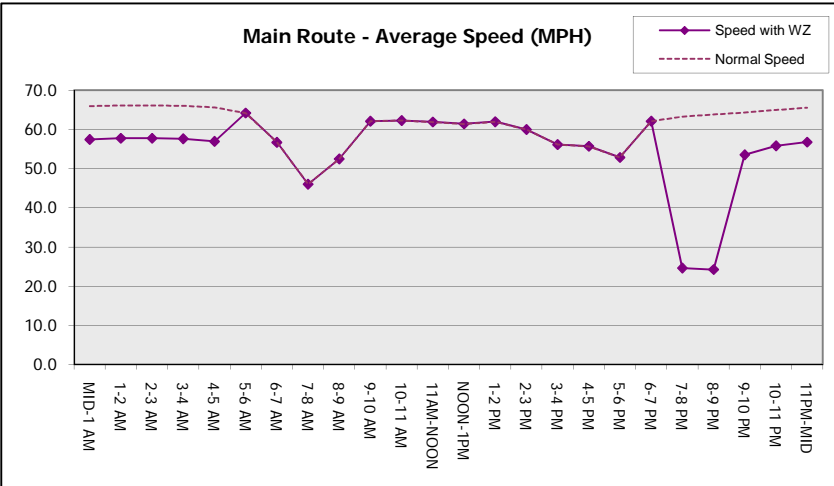
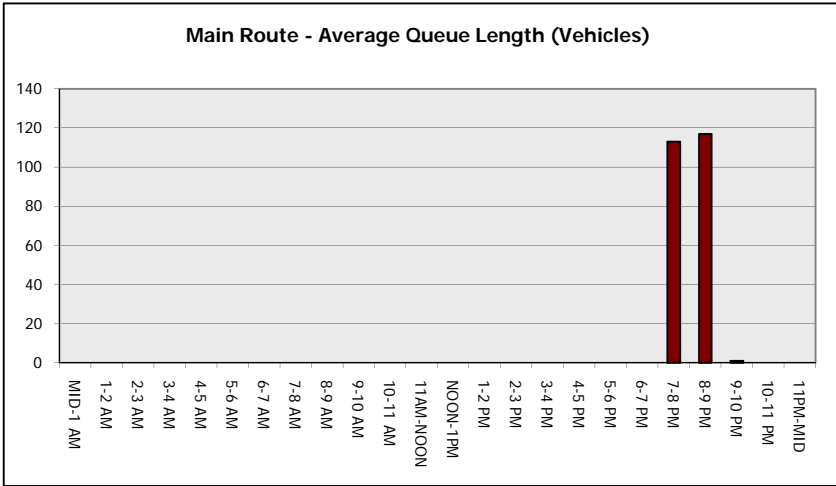
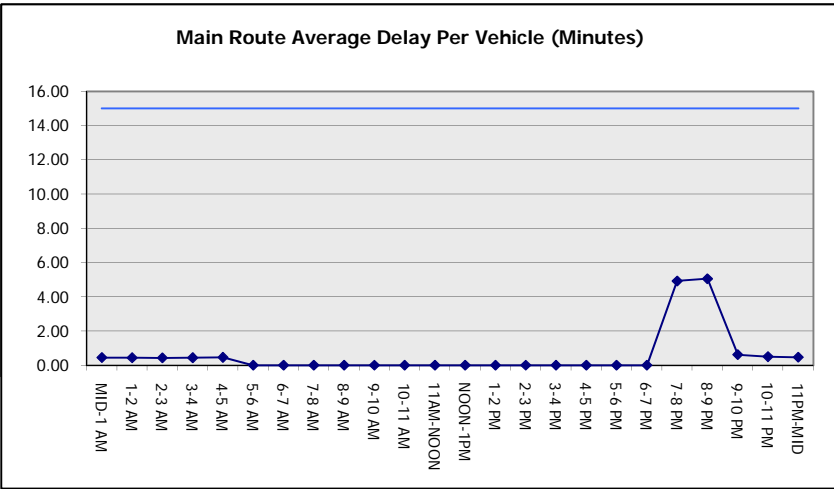
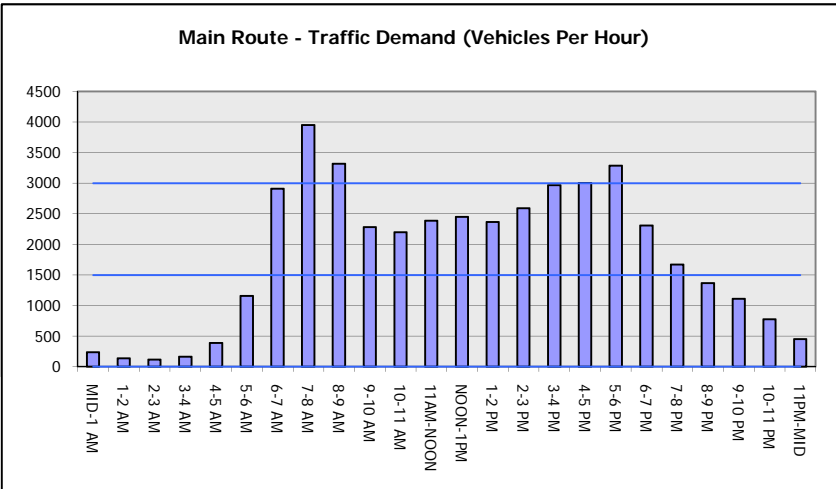
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0229
MAIN ROUTE WITH WORKS	0.0225
'DIVERSION'	0.0000
<small>PIA: Personal Injury Accidents</small>	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$4,071
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

IH 43: STH 100/BROWN DEER RD TO SILVER SPRING DR (MILWAUKEE COUNTY)
NIGHTTIME CLOSURE
NO DIVERSION ROUTE (MAX QUEUE METHOD)

MAY
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
MON-THUR SOUTHBOUND DIRECTION



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

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	OFF	769	0	0.00	0	65.0	65.0	65.0
6-7 AM	1784	0.0	OFF	1784	0	0.00	0	63.0	63.0	63.0
7-8 AM	2577	0.0	OFF	2577	0	0.00	0	60.1	60.1	60.1
8-9 AM	2581	0.0	OFF	2581	0	0.00	0	60.1	60.1	60.1
9-10 AM	1932	0.0	OFF	1932	0	0.00	0	62.8	62.8	62.8
10-11 AM	2023	0.0	OFF	2023	0	0.00	0	62.6	62.6	62.6
11AM-NOON	2239	0.0	OFF	2239	0	0.00	0	62.2	62.2	62.2
NOON-1PM	2407	0.0	OFF	2407	0	0.00	0	61.9	61.9	61.9
1-2 PM	2471	0.0	OFF	2471	0	0.00	0	61.2	61.2	61.2
2-3 PM	2872	0.0	OFF	2872	0	0.00	0	57.1	57.1	57.1
3-4 PM	3589	0.0	OFF	3589	0	0.00	0	49.7	49.7	49.7
4-5 PM	3943	0.0	OFF	3943	0	0.00	0	46.1	46.1	46.1
5-6 PM	3944	0.0	OFF	3944	0	0.00	0	46.1	46.1	46.1
6-7 PM	2587	0.0	OFF	2587	0	0.00	0	60.0	60.0	60.0
7-8 PM	1903	0.0	1499	1903	0	8.47	231	62.8	17.0	30.8
8-9 PM	1622	0.0	1499	1500	122	15.98+	403	63.3	10.7	30.8
9-10 PM	1441	0.0	1500	1430	11	15.32+	386	63.7	10.9	30.8
10-11 PM	977	0.0	1499	977	0	3.18	127	64.6	31.7	37.9
11PM-MID	561	0.0	1500	561	0	0.48	0	65.3	56.4	43.3

"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	0.0227
MAIN ROUTE WITH WORKS	0.0221
'DIVERSION'	0.0002

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$16,392
CONGESTED HOURS PER DAY*	2

*Delays Exceeding User-Specified Maximum

IH 43: STH 100/BROWN DEER RD TO SILVER SPRING DR (MILWAUKEE COUNTY)
NIGHTTIME CLOSURE
NO DIVERSION ROUTE (MAX QUEUE METHOD)

MAY
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
MON-THUR NORTHBOUND DIRECTION

