

**IH 94: USH 41 AND IH 43 (MILWAUKEE COUNTY)  
NIGHTTIME 2 LANE CLOSURE  
NO DIVERSION ROUTE (MAX QUEUE METHOD)**

**MAY**  
Analyzed for 2009  
Construction Season

**SUMMARY OF TRAFFIC MODEL OUTPUT**  
SATURDAY WESTBOUND 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	1404	0.0	1500	1404	0	14.81+	360	69.0	8.2	30.8	
1-2 AM	1331	0.0	1500	1331	0	9.27	221	69.1	11.4	31.0	
2-3 AM	945	0.0	1500	945	0	0.91	15	69.6	46.3	41.7	
3-4 AM	694	0.0	1500	694	0	0.55	0	69.9	53.5	42.8	
4-5 AM	929	0.0	1499	929	0	0.58	0	69.6	52.7	41.9	
5-6 AM	1492	0.0	1499	1492	0	1.50	18	68.9	37.8	32.7	
6-7 AM	2162	0.0	1500	1758	404	11.52+	305	68.1	10.0	31.3	
7-8 AM	2800	0.0	1500	1526	1274	16.86+	414	67.3	7.6	31.0	
8-9 AM	3469	0.0	OFF	3469	0	0.30	25	66.4	57.3	57.3	
9-10 AM	3976	0.0	OFF	3976	0	0.00	0	63.7	63.7	63.7	
10-11 AM	4247	0.0	OFF	4247	0	0.00	0	61.9	61.9	61.9	
11AM-NOON	4574	0.0	OFF	4574	0	0.00	0	59.6	59.6	59.6	
NOON-1PM	4716	0.0	OFF	4716	0	0.00	0	58.6	58.6	58.6	
1-2 PM	4770	0.0	OFF	4770	0	0.00	0	58.2	58.2	58.2	
2-3 PM	4843	0.0	OFF	4843	0	0.00	0	57.8	57.8	57.8	
3-4 PM	4732	0.0	OFF	4732	0	0.00	0	58.6	58.6	58.6	
4-5 PM	4323	0.0	OFF	4323	0	0.00	0	61.4	61.4	61.4	
5-6 PM	3546	0.0	OFF	3546	0	0.00	0	66.3	66.3	66.3	
6-7 PM	2983	0.0	1499	1544	1440	16.34+	407	67.0	7.8	36.6	
7-8 PM	2715	0.0	1499	1716	1000	14.19+	370	67.4	8.6	35.4	
8-9 PM	2952	0.0	1499	1587	1365	16.66+	409	67.1	7.6	31.0	
9-10 PM	3166	0.0	1500	1522	1644	16.87+	414	66.8	7.6	30.8	
10-11 PM	2788	0.0	1500	1518	1270	16.83+	413	67.3	7.6	30.8	
11PM-MID	1976	0.0	1500	1501	474	16.76+	410	68.2	7.6	30.8	

"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

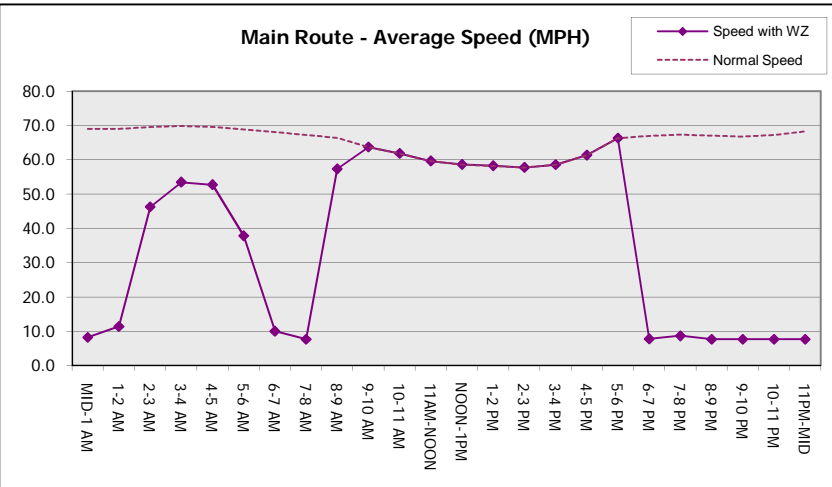
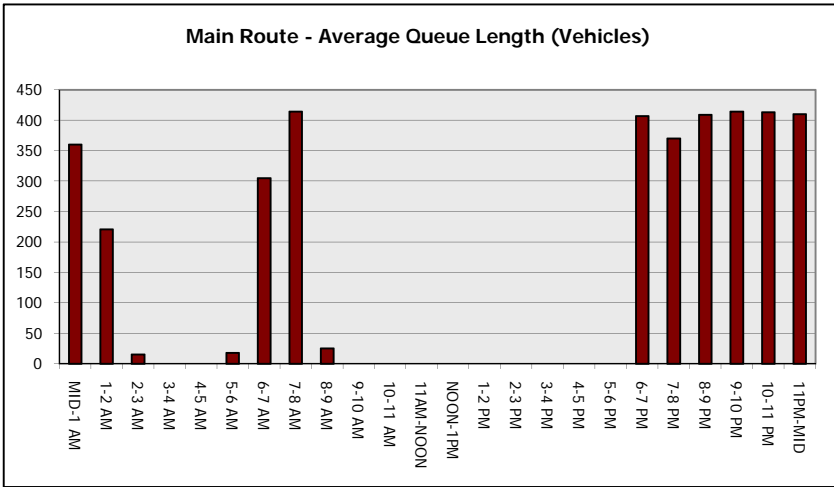
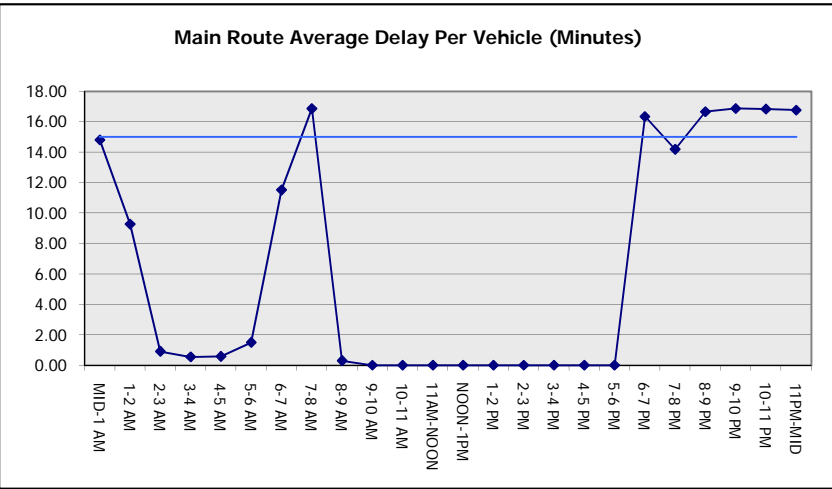
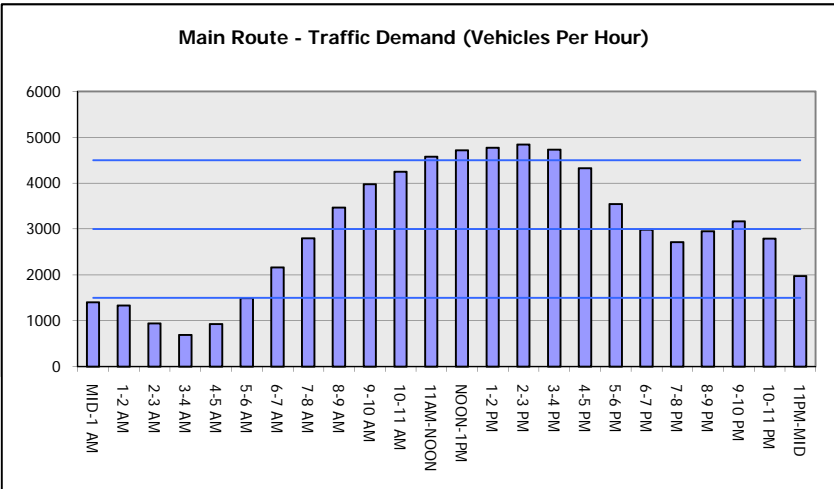
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0239
MAIN ROUTE WITH WORKS	0.0197
'DIVERSION'	0.0069
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$95,109
CONGESTED HOURS PER DAY*	9

\*Delays Exceeding User-Specified Maximum

**IH 94: USH 41 AND IH 43 (MILWAUKEE COUNTY)  
NIGHTTIME 2 LANE CLOSURE  
NO DIVERSION ROUTE (MAX QUEUE METHOD)**

**MAY**  
Analyzed for 2009  
Construction Season

**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**SATURDAY WESTBOUND DIRECTION**



<b>IH 94: USH 41 AND IH 43 (MILWAUKEE COUNTY)</b> <b>NIGHTTIME 2 LANE CLOSURE</b> <b>NO DIVERSION ROUTE (MAX QUEUE METHOD)</b>	<b>MAY</b>
	Analyzed for 2009 Construction Season

**SUMMARY OF TRAFFIC MODEL OUTPUT**

SATURDAY EASTBOUND 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	905	0.0	1499	905	0	2.53	120	69.6	29.1	38.9
1-2 AM	716	0.0	1500	716	0	0.56	0	69.9	53.4	42.7
2-3 AM	576	0.0	1500	576	0	0.54	0	70.0	53.8	43.2
3-4 AM	540	0.0	1500	540	0	0.54	0	70.0	54.0	43.3
4-5 AM	835	0.0	1500	835	0	0.57	0	69.7	53.0	42.3
5-6 AM	1304	0.0	1499	1304	0	0.83	0	69.1	47.5	35.8
6-7 AM	1904	0.0	1499	1904	0	5.67	163	68.4	16.9	30.8
7-8 AM	2533	0.0	1499	1502	1031	16.77+	411	67.6	7.6	30.8
8-9 AM	3040	0.0	OFF	3040	0	0.29	27	66.9	57.9	57.9
9-10 AM	3307	0.0	OFF	3307	0	0.00	0	66.6	66.6	66.6
10-11 AM	3438	0.0	OFF	3438	0	0.00	0	66.4	66.4	66.4
11AM-NOON	3764	0.0	OFF	3764	0	0.00	0	65.1	65.1	65.1
NOON-1PM	3828	0.0	OFF	3828	0	0.00	0	64.7	64.7	64.7
1-2 PM	3782	0.0	OFF	3782	0	0.00	0	65.0	65.0	65.0
2-3 PM	3728	0.0	OFF	3728	0	0.00	0	65.4	65.4	65.4
3-4 PM	3545	0.0	OFF	3545	0	0.00	0	66.3	66.3	66.3
4-5 PM	3276	0.0	OFF	3276	0	0.00	0	66.6	66.6	66.6
5-6 PM	3480	0.0	OFF	3480	0	0.00	0	66.4	66.4	66.4
6-7 PM	3573	0.0	1499	1571	2002	17.10+	428	66.3	7.6	36.6
7-8 PM	2956	0.0	1499	1653	1303	14.83+	388	67.1	8.4	35.6
8-9 PM	3112	0.0	1499	1657	1455	16.47+	405	66.9	7.7	30.8
9-10 PM	3086	0.0	1500	1514	1572	16.90+	415	66.9	7.6	30.8
10-11 PM	2235	0.0	1500	1501	734	16.76+	410	67.9	7.6	30.8
11PM-MID	1569	0.0	1500	1452	117	16.01+	391	68.8	7.8	30.8

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

+ 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	0.0204
MAIN ROUTE WITH WORKS	0.0165
'DIVERSION'	0.0064

PIA: Personal Injury Accidents

ROAD USER COSTS PER DAY	\$82,533
CONGESTED HOURS PER DAY*	7

\*Delays Exceeding User-Specified Maximum

**IH 94: USH 41 AND IH 43 (MILWAUKEE COUNTY)  
NIGHTTIME 2 LANE CLOSURE  
NO DIVERSION ROUTE (MAX QUEUE METHOD)**

**MAY**  
Analyzed for 2009  
Construction Season

**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**SATURDAY EASTBOUND DIRECTION**

