

IH 94: STH 181 TO USH 41 (MILWAUKEE COUNTY) NIGHTTIME 2 LANE CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	AUGUST
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

SUNDAY 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	2150	0.0	1500	1815	335	13.02+	332	68.1	9.7	30.8	
1-2 AM	1412	0.0	1499	1376	36	15.32+	374	69.0	8.5	30.8	
2-3 AM	1138	0.0	1499	1138	0	4.14	143	69.3	23.2	35.6	
3-4 AM	592	0.0	1500	592	0	0.54	0	70.0	55.4	43.2	
4-5 AM	383	0.0	1500	383	0	0.52	0	70.2	56.0	44.0	
5-6 AM	455	0.0	1500	455	0	0.53	0	70.2	55.8	43.7	
6-7 AM	854	0.0	1500	854	0	0.57	0	69.7	54.6	42.2	
7-8 AM	1075	0.0	1499	1075	0	0.61	0	69.4	53.7	41.0	
8-9 AM	1391	0.0	1499	1391	0	1.03	3	69.0	46.1	33.8	
9-10 AM	2152	0.0	OFF	2152	0	0.00	0	68.1	68.1	68.1	
10-11 AM	3009	0.0	OFF	3009	0	0.00	0	67.0	67.0	67.0	
11AM-NOON	3471	0.0	OFF	3471	0	0.00	0	66.4	66.4	66.4	
NOON-1PM	4010	0.0	OFF	4010	0	0.00	0	63.5	63.5	63.5	
1-2 PM	4105	0.0	OFF	4105	0	0.00	0	62.8	62.8	62.8	
2-3 PM	4011	0.0	OFF	4011	0	0.00	0	63.5	63.5	63.5	
3-4 PM	4306	0.0	OFF	4306	0	0.00	0	61.4	61.4	61.4	
4-5 PM	4146	0.0	OFF	4146	0	0.00	0	62.5	62.5	62.5	
5-6 PM	3329	0.0	OFF	3329	0	0.00	0	66.6	66.6	66.6	
6-7 PM	2954	0.0	OFF	2954	0	0.00	0	67.1	67.1	67.1	
7-8 PM	2385	0.0	1499	1947	438	12.93+	323	67.8	9.8	31.1	
8-9 PM	2083	0.0	1499	1499	585	16.55+	405	68.1	8.1	30.8	
9-10 PM	1955	0.0	1499	1498	457	16.55+	404	68.3	8.1	30.8	
10-11 PM	1505	0.0	1499	1401	104	15.56+	379	68.9	8.4	30.8	
11PM-MID	1258	0.0	1499	1258	0	8.28	203	69.2	13.9	31.1	

"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

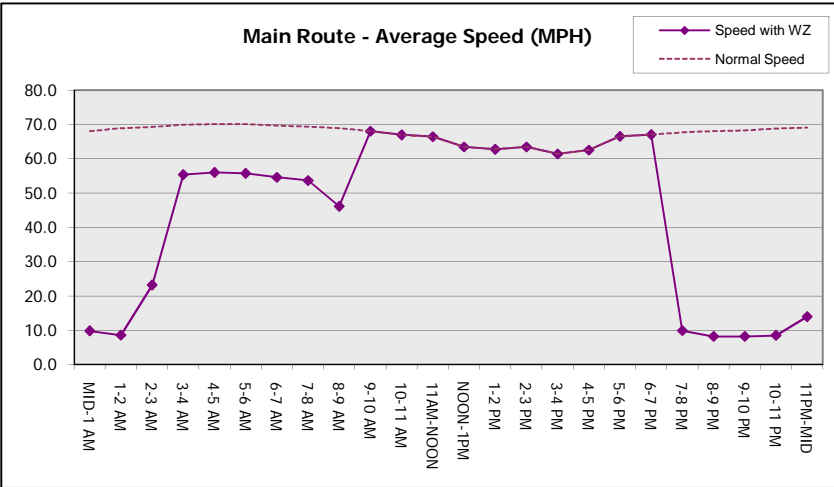
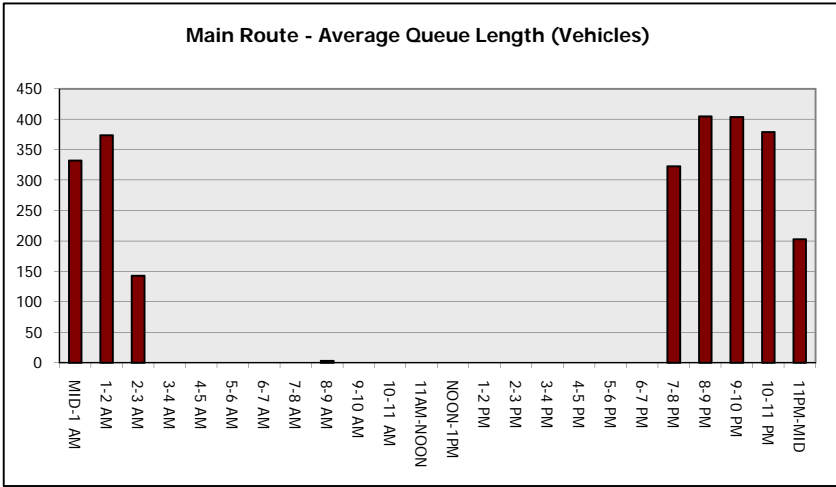
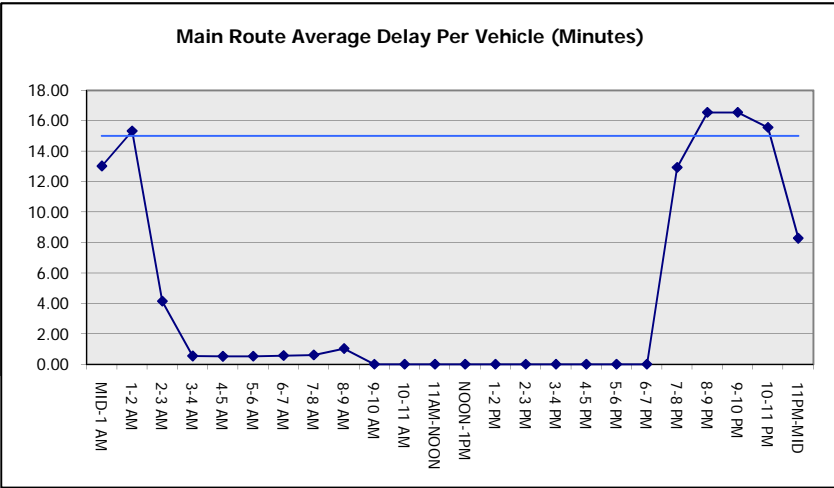
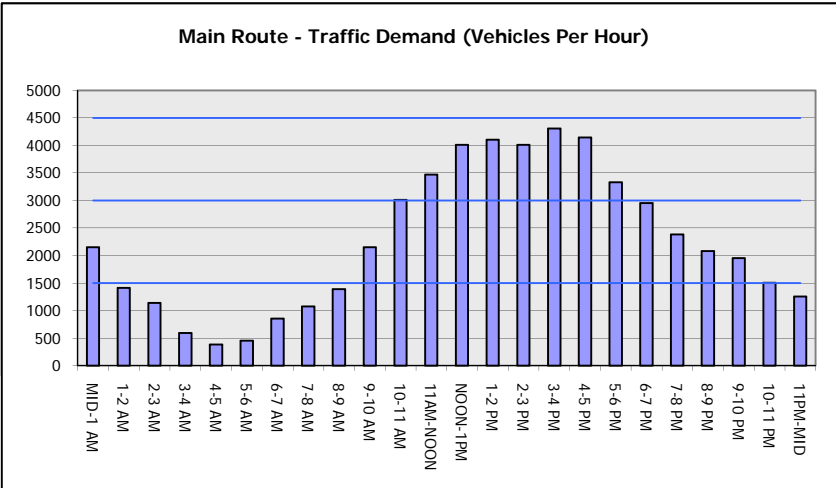
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0207
MAIN ROUTE WITH WORKS	0.0188
'DIVERSION'	0.0017
<small>PIA: Personal Injury Accidents</small>	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$48,997
CONGESTED HOURS PER DAY*	6

*Delays Exceeding User-Specified Maximum

**IH 94: STH 181 TO USH 41 (MILWAUKEE COUNTY)
 NIGHTTIME 2 LANE CLOSURE
 NO DIVERSION ROUTE (MAX QUEUE METHOD)**

AUGUST
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY WESTBOUND DIRECTION



IH 94: STH 181 TO USH 41 (MILWAUKEE COUNTY) NIGHTTIME 2 LANE CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	AUGUST
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

SUNDAY 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	1231	0.0	1500	1231	0	0.75	0	69.2	50.9	37.5	
1-2 AM	715	0.0	1500	715	0	0.56	0	69.9	55.0	42.7	
2-3 AM	677	0.0	1500	677	0	0.55	0	69.9	55.1	42.8	
3-4 AM	367	0.0	1500	367	0	0.52	0	70.2	56.0	44.0	
4-5 AM	301	0.0	1500	301	0	0.51	0	70.2	56.2	44.3	
5-6 AM	437	0.0	1500	437	0	0.53	0	70.2	55.8	43.7	
6-7 AM	749	0.0	1500	749	0	0.56	0	69.8	54.9	42.6	
7-8 AM	1159	0.0	1499	1159	0	0.68	0	69.3	52.1	39.1	
8-9 AM	1542	0.0	1499	1542	0	1.72	25	68.8	37.8	32.1	
9-10 AM	2450	0.0	OFF	2450	0	0.02	1	67.7	67.1	67.1	
10-11 AM	3088	0.0	OFF	3088	0	0.00	0	66.9	66.9	66.9	
11AM-NOON	4096	0.0	OFF	4096	0	0.00	0	62.8	62.8	62.8	
NOON-1PM	3953	0.0	OFF	3953	0	0.00	0	63.8	63.8	63.8	
1-2 PM	3854	0.0	OFF	3854	0	0.00	0	64.5	64.5	64.5	
2-3 PM	3829	0.0	OFF	3829	0	0.00	0	64.7	64.7	64.7	
3-4 PM	3843	0.0	OFF	3843	0	0.00	0	64.6	64.6	64.6	
4-5 PM	3805	0.0	OFF	3805	0	0.00	0	64.8	64.8	64.8	
5-6 PM	3506	0.0	OFF	3506	0	0.00	0	66.4	66.4	66.4	
6-7 PM	3601	0.0	OFF	3601	0	0.00	0	66.3	66.3	66.3	
7-8 PM	2859	0.0	1499	1572	1287	15.62+	390	67.2	8.4	36.4	
8-9 PM	2520	0.0	1499	1699	821	13.93+	363	67.6	9.3	35.2	
9-10 PM	2185	0.0	1499	1624	561	16.08+	393	68.0	8.3	30.8	
10-11 PM	1586	0.0	1500	1475	111	16.12+	393	68.7	8.3	30.8	
11PM-MID	1090	0.0	1499	1090	0	5.12	177	69.4	20.0	35.5	

"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	0.0184
'DIVERSION'	0.0025

PIA: Personal Injury Accidents

ROAD USER COSTS PER DAY	\$39,427
CONGESTED HOURS PER DAY*	4

*Delays Exceeding User-Specified Maximum

**IH 94: STH 181 TO USH 41 (MILWAUKEE COUNTY)
 NIGHTTIME 2 LANE CLOSURE
 NO DIVERSION ROUTE (MAX QUEUE METHOD)**

AUGUST
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY EASTBOUND DIRECTION

