

<b>USH 45: STH 190 TO NORTH AVE (MILWAUKEE COUNTY)                  CONTINUOUS (24 HOUR) CLOSURE                  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	432	0.0	3000	432	0	0.36	0	70.2	58.5	49.7
1-2 AM	369	0.0	3000	369	0	0.36	0	70.2	58.5	49.7
2-3 AM	570	0.0	3000	570	0	0.36	0	70.0	58.4	49.7
3-4 AM	800	0.0	3000	800	0	0.35	0	69.7	58.3	49.7
4-5 AM	1123	0.0	3000	1123	0	0.35	0	69.4	58.2	49.7
5-6 AM	1600	0.0	3000	1600	0	0.34	0	68.7	57.9	49.7
6-7 AM	2432	0.0	2999	2432	0	0.40	0	67.7	55.6	46.8
7-8 AM	3162	0.0	2999	3162	0	1.31	43	66.8	39.4	37.4
8-9 AM	3893	0.0	3000	3853	40	10.32+	582	64.3	12.9	37.3
9-10 AM	4124	0.0	2999	2876	1248	17.14+	916	62.7	10.1	37.3
10-11 AM	4152	0.0	2999	3002	1150	16.84+	900	62.5	10.2	37.3
11AM-NOON	4281	0.0	2999	3015	1266	17.01+	912	61.6	10.1	37.3
NOON-1PM	4413	0.0	3000	3009	1403	17.24+	927	60.7	10.1	37.3
1-2 PM	4158	0.0	3000	2971	1188	16.92+	904	62.5	10.2	37.3
2-3 PM	3931	0.0	3000	2998	933	16.80+	893	64.0	10.2	37.3
3-4 PM	3643	0.0	3000	2998	645	16.85+	890	66.0	10.2	37.3
4-5 PM	3315	0.0	3000	2997	318	16.82+	887	66.6	10.2	37.3
5-6 PM	2708	0.0	2999	2708	0	14.83+	780	67.4	10.8	37.3
6-7 PM	2185	0.0	2999	2185	0	2.85	250	68.0	28.1	44.8
7-8 PM	1604	0.0	3000	1604	0	0.34	0	68.7	57.9	49.7
8-9 PM	1079	0.0	3000	1079	0	0.35	0	69.4	58.2	49.7
9-10 PM	712	0.0	3000	712	0	0.36	0	69.9	58.4	49.7
10-11 PM	516	0.0	3000	516	0	0.36	0	70.1	58.4	49.7
11PM-MID	381	0.0	3000	381	0	0.36	0	70.2	58.5	49.7

+ 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

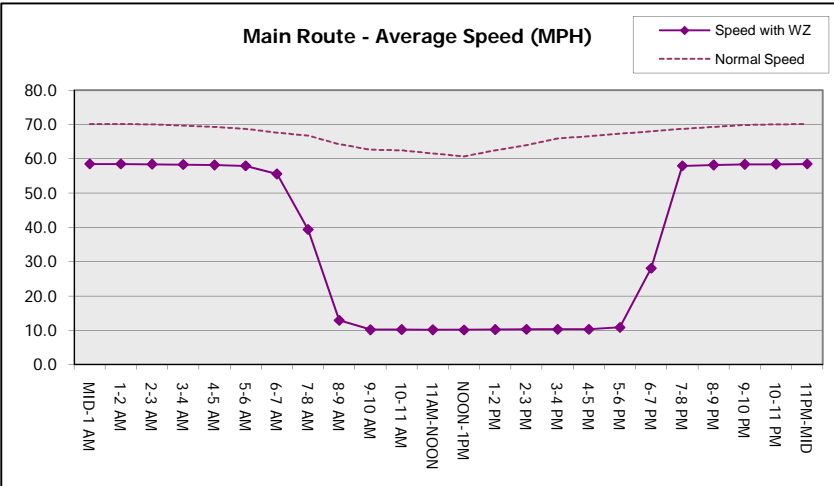
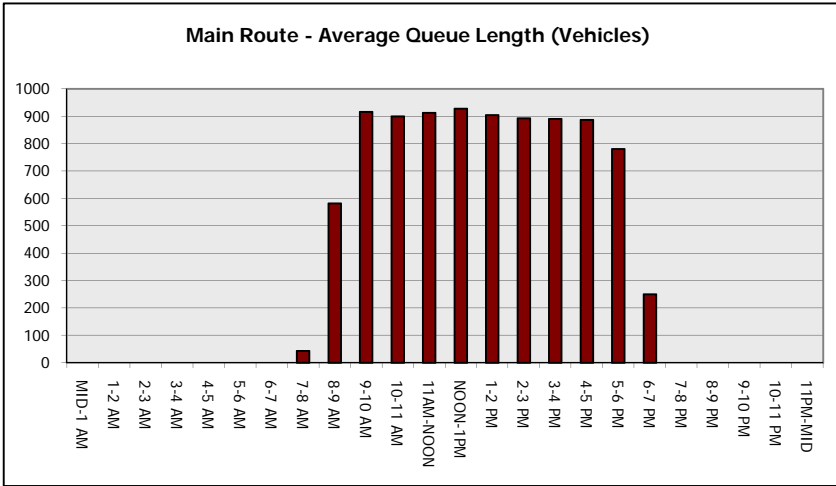
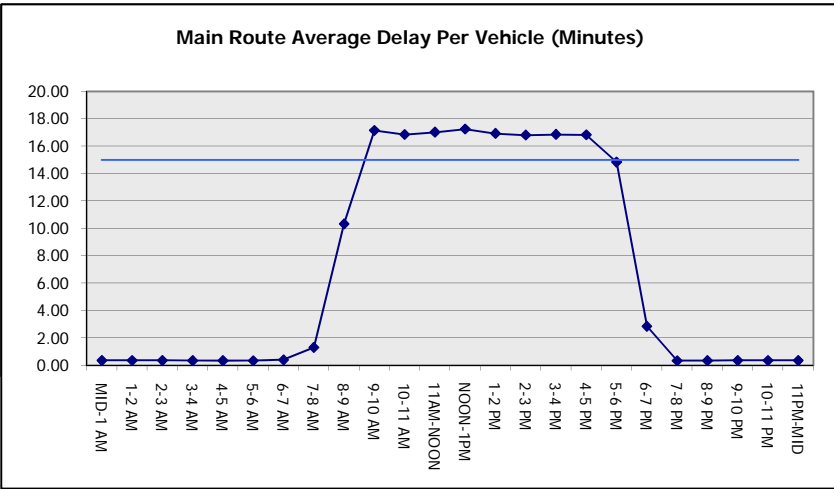
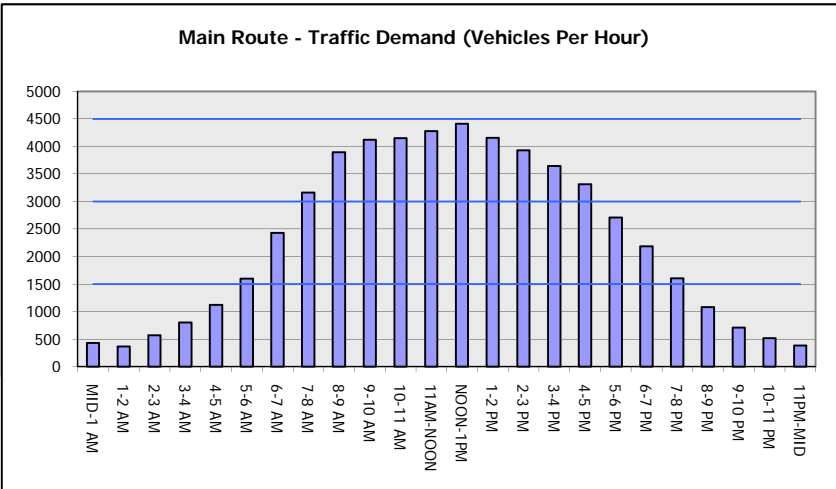
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0186
MAIN ROUTE WITH WORKS	0.0127
'DIVERSION'	0.0063
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$179,762
CONGESTED HOURS PER DAY*	10

\*Delays Exceeding User-Specified Maximum

**USH 45: STH 190 TO NORTH AVE (MILWAUKEE COUNTY)  
CONTINUOUS (24 HOUR) 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>USH 45: STH 190 TO NORTH AVE (MILWAUKEE COUNTY)</b> <b>CONTINUOUS (24 HOUR) 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	1411	0.0	3000	1411	0	0.34	0	69.0	58.1	49.7
1-2 AM	1280	0.0	3000	1280	0	0.35	0	69.1	58.1	49.7
2-3 AM	1384	0.0	3000	1384	0	0.34	0	69.0	58.1	49.7
3-4 AM	1478	0.0	3000	1478	0	0.34	0	68.9	58.0	49.7
4-5 AM	1718	0.0	3000	1718	0	0.34	0	68.6	57.9	49.7
5-6 AM	2078	0.0	3000	2078	0	0.33	0	68.1	57.8	49.7
6-7 AM	2677	0.0	2999	2677	0	0.51	0	67.4	52.8	43.1
7-8 AM	3196	0.0	2999	3196	0	1.70	65	66.8	35.1	37.3
8-9 AM	3707	0.0	3000	3707	0	9.51+	522	65.5	13.3	37.3
9-10 AM	4072	0.0	2999	2995	1076	16.81+	896	63.0	10.2	37.3
10-11 AM	4219	0.0	2999	3014	1205	16.92+	905	62.0	10.2	37.3
11AM-NOON	4439	0.0	3000	3027	1412	17.24+	928	60.5	10.1	37.3
NOON-1PM	4755	0.0	2999	3001	1754	17.56+	953	58.4	10.0	37.3
1-2 PM	4773	0.0	3000	3000	1772	17.56+	953	58.2	10.0	37.3
2-3 PM	4440	0.0	3000	2980	1460	17.34+	933	60.5	10.1	37.3
3-4 PM	3997	0.0	3000	2978	1020	16.84+	897	63.5	10.2	37.3
4-5 PM	3658	0.0	3000	2997	662	16.85+	891	65.9	10.2	37.3
5-6 PM	3171	0.0	3000	2995	176	16.80+	886	66.8	10.2	37.3
6-7 PM	2721	0.0	2999	2721	0	14.77+	776	67.4	10.8	37.3
7-8 PM	2320	0.0	2999	2320	0	4.15	298	67.9	22.4	42.9
8-9 PM	1904	0.0	3000	1904	0	0.34	0	68.4	57.8	49.7
9-10 PM	1605	0.0	3000	1605	0	0.34	0	68.7	57.9	49.7
10-11 PM	1371	0.0	3000	1371	0	0.34	0	69.1	58.1	49.7
11PM-MID	1153	0.0	3000	1153	0	0.35	0	69.3	58.1	49.7

+ 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	0.0226
MAIN ROUTE WITH WORKS	0.0153
'DIVERSION'	0.0082

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$208,520
CONGESTED HOURS PER DAY*	11

\*Delays Exceeding User-Specified Maximum

**USH 45: STH 190 TO NORTH AVE (MILWAUKEE COUNTY)  
CONTINUOUS (24 HOUR) CLOSURE  
NO DIVERSION ROUTE (MAX QUEUE METHOD)**

**MAY**  
Analyzed for 2009  
Construction Season

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

