

USH 45: STH 190 TO NORTH AVE (MILWAUKEE COUNTY) NIGHTTIME CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	MAY
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

SATURDAY 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	493	0.0	3000	493	0	0.36	0	70.1	58.4	49.7
1-2 AM	540	0.0	3000	540	0	0.36	0	70.0	58.4	49.7
2-3 AM	858	0.0	3000	858	0	0.35	0	69.7	58.3	49.7
3-4 AM	1352	0.0	3000	1352	0	0.35	0	69.1	58.1	49.7
4-5 AM	1857	0.0	3000	1857	0	0.34	0	68.4	57.8	49.7
5-6 AM	2503	0.0	2999	2503	0	0.41	0	67.6	55.3	46.5
6-7 AM	3100	0.0	2999	3100	0	1.16	30	66.9	41.4	37.6
7-8 AM	3635	0.0	3000	3635	0	7.32	402	66.0	15.2	37.3
8-9 AM	4240	0.0	OFF	4240	0	1.81	162	61.9	32.8	32.8
9-10 AM	4438	0.0	OFF	4438	0	0.00	0	60.5	60.5	60.5
10-11 AM	4562	0.0	OFF	4562	0	0.00	0	59.7	59.7	59.7
11AM-NOON	4681	0.0	OFF	4681	0	0.00	0	58.9	58.9	58.9
NOON-1PM	4763	0.0	OFF	4763	0	0.00	0	58.3	58.3	58.3
1-2 PM	4516	0.0	OFF	4516	0	0.00	0	60.0	60.0	60.0
2-3 PM	4080	0.0	OFF	4080	0	0.00	0	63.0	63.0	63.0
3-4 PM	3633	0.0	OFF	3633	0	0.00	0	66.0	66.0	66.0
4-5 PM	3064	0.0	OFF	3064	0	0.00	0	66.9	66.9	66.9
5-6 PM	2716	0.0	OFF	2716	0	0.00	0	67.4	67.4	67.4
6-7 PM	2489	0.0	3000	2489	0	0.40	0	67.6	55.8	47.1
7-8 PM	1960	0.0	3000	1960	0	0.34	0	68.3	57.8	49.7
8-9 PM	1444	0.0	3000	1444	0	0.34	0	68.9	58.0	49.7
9-10 PM	1157	0.0	3000	1157	0	0.35	0	69.3	58.1	49.7
10-11 PM	925	0.0	3000	925	0	0.35	0	69.6	58.2	49.7
11PM-MID	673	0.0	3000	673	0	0.36	0	69.9	58.4	49.7

"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

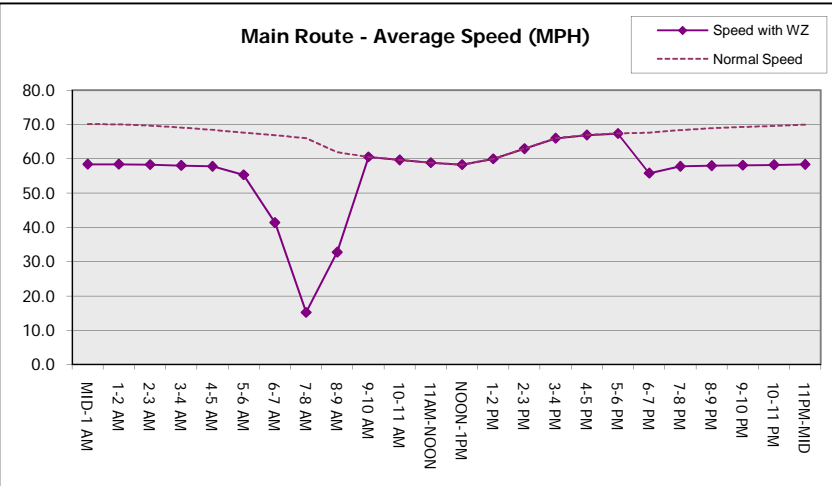
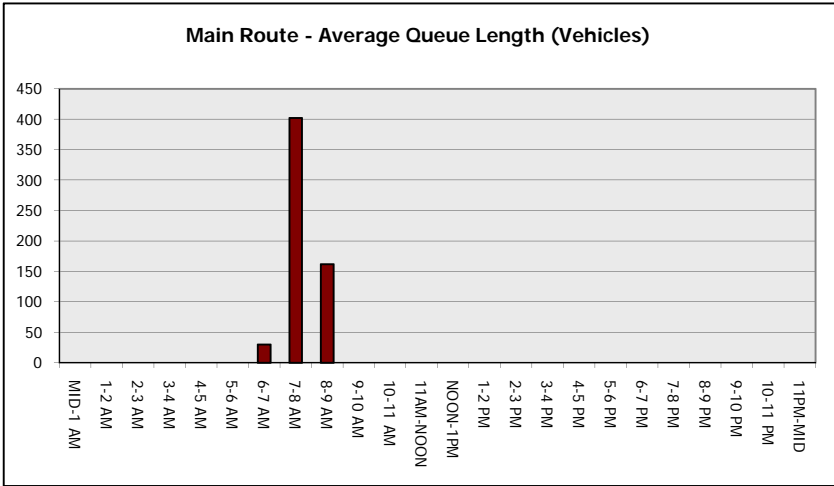
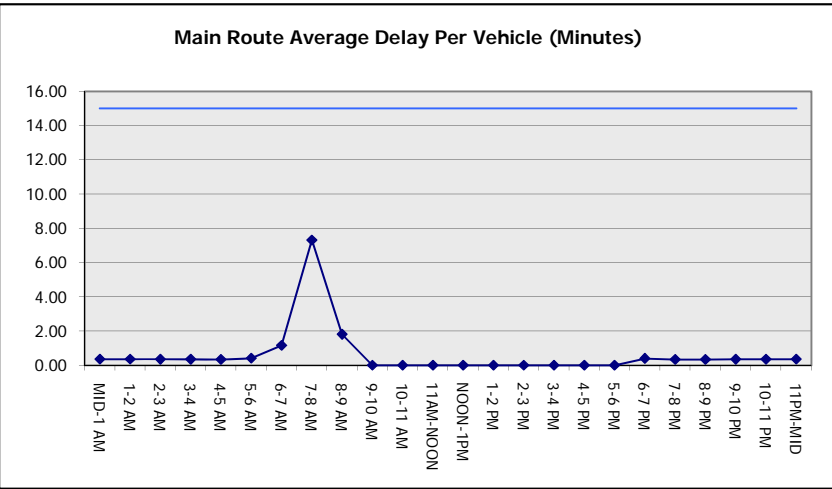
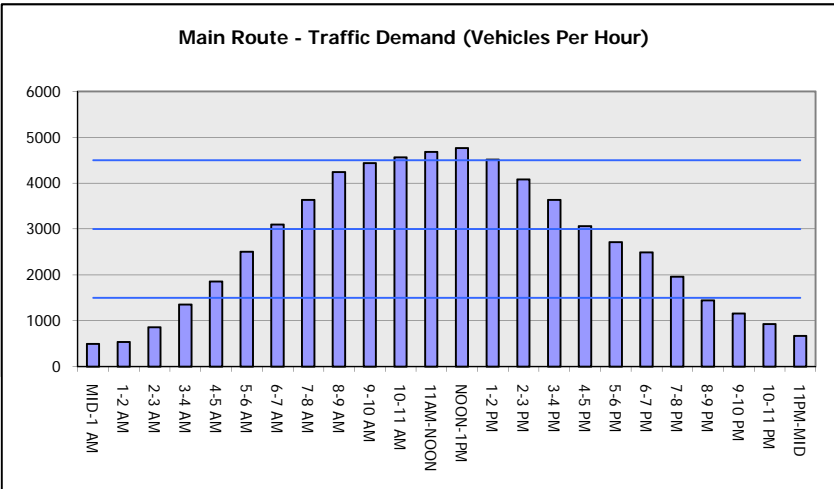
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0213
MAIN ROUTE WITH WORKS	0.0198
'DIVERSION'	0.0000
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$9,070
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

USH 45: STH 190 TO NORTH AVE (MILWAUKEE COUNTY)
NIGHTTIME CLOSURE
NO DIVERSION ROUTE (MAX QUEUE METHOD)

MAY
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SATURDAY SOUTHBOUND DIRECTION



USH 45: STH 190 TO NORTH AVE (MILWAUKEE COUNTY) NIGHTTIME CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	MAY
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

SATURDAY 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	1446	0.0	3000	1446	0	0.34	0	68.9	58.0	49.7
1-2 AM	1482	0.0	3000	1482	0	0.34	0	68.9	58.0	49.7
2-3 AM	1866	0.0	3000	1866	0	0.34	0	68.4	57.8	49.7
3-4 AM	2169	0.0	3000	2169	0	0.33	0	68.1	57.7	49.7
4-5 AM	2711	0.0	2999	2711	0	0.54	0	67.4	52.3	42.4
5-6 AM	2990	0.0	2999	2990	0	0.89	12	67.0	45.5	38.2
6-7 AM	3598	0.0	3000	3598	0	5.60	314	66.3	18.0	37.3
7-8 AM	4085	0.0	2999	3256	829	16.29+	870	63.0	10.3	37.3
8-9 AM	4369	0.0	OFF	4369	0	2.73	250	61.0	26.3	26.3
9-10 AM	4548	0.0	OFF	4548	0	0.00	0	59.8	59.8	59.8
10-11 AM	4592	0.0	OFF	4592	0	0.00	0	59.5	59.5	59.5
11AM-NOON	4748	0.0	OFF	4748	0	0.00	0	58.4	58.4	58.4
NOON-1PM	4839	0.0	OFF	4839	0	0.00	0	57.8	57.8	57.8
1-2 PM	4686	0.0	OFF	4686	0	0.00	0	58.9	58.9	58.9
2-3 PM	4466	0.0	OFF	4466	0	0.00	0	60.4	60.4	60.4
3-4 PM	4054	0.0	OFF	4054	0	0.00	0	63.2	63.2	63.2
4-5 PM	3550	0.0	OFF	3550	0	0.00	0	66.3	66.3	66.3
5-6 PM	3559	0.0	OFF	3559	0	0.00	0	66.3	66.3	66.3
6-7 PM	3523	0.0	2999	3523	0	5.04	275	66.4	19.1	37.3
7-8 PM	3105	0.0	2999	3105	0	11.77	609	66.9	11.8	37.3
8-9 PM	2440	0.0	2999	2440	0	6.72	378	67.7	16.2	40.2
9-10 PM	2130	0.0	3000	2130	0	0.37	2	68.1	56.6	49.7
10-11 PM	1871	0.0	3000	1871	0	0.34	0	68.4	57.8	49.7
11PM-MID	1675	0.0	3000	1675	0	0.34	0	68.6	57.9	49.7

"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	0.0262
MAIN ROUTE WITH WORKS	0.0237
'DIVERSION'	0.0006

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$36,809
CONGESTED HOURS PER DAY*	1

*Delays Exceeding User-Specified Maximum

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

MAY
Analyzed for 2009
Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SATURDAY NORTHBOUND DIRECTION

