

USH 45: STH 190 TO NORTH AVE (MILWAUKEE COUNTY) OFF-PEAK DAY 2 LANE 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	OFF	493	0	0.00	0	70.1	70.1	70.1	
1-2 AM	540	0.0	OFF	540	0	0.00	0	70.0	70.0	70.0	
2-3 AM	858	0.0	OFF	858	0	0.00	0	69.7	69.7	69.7	
3-4 AM	1352	0.0	OFF	1352	0	0.00	0	69.1	69.1	69.1	
4-5 AM	1857	0.0	OFF	1857	0	0.00	0	68.4	68.4	68.4	
5-6 AM	2503	0.0	OFF	2503	0	0.00	0	67.6	67.6	67.6	
6-7 AM	3100	0.0	OFF	3100	0	0.00	0	66.9	66.9	66.9	
7-8 AM	3635	0.0	OFF	3635	0	0.00	0	66.0	66.0	66.0	
8-9 AM	4240	0.0	1999	2091	2149	16.41+	557	61.9	8.6	34.6	
9-10 AM	4438	0.0	1999	2237	2201	15.48+	541	60.5	8.9	29.9	
10-11 AM	4562	0.0	1999	2119	2443	17.00+	569	59.7	8.3	27.9	
11AM-NOON	4681	0.0	2000	2011	2670	17.23+	579	58.9	8.3	27.9	
NOON-1PM	4763	0.0	1999	2000	2763	17.23+	580	58.3	8.3	27.9	
1-2 PM	4516	0.0	2000	2017	2499	17.26+	578	60.0	8.3	27.9	
2-3 PM	4080	0.0	2000	2038	2042	17.32+	575	63.0	8.3	27.9	
3-4 PM	3633	0.0	2000	2047	1586	17.39+	574	66.0	8.3	27.9	
4-5 PM	3064	0.0	2000	2003	1060	17.14+	564	66.9	8.3	27.9	
5-6 PM	2716	0.0	2000	2000	717	17.11+	562	67.4	8.4	27.9	
6-7 PM	2489	0.0	OFF	2489	0	0.47	45	67.6	54.0	54.0	
7-8 PM	1960	0.0	OFF	1960	0	0.00	0	68.3	68.3	68.3	
8-9 PM	1444	0.0	OFF	1444	0	0.00	0	68.9	68.9	68.9	
9-10 PM	1157	0.0	OFF	1157	0	0.00	0	69.3	69.3	69.3	
10-11 PM	925	0.0	OFF	925	0	0.00	0	69.6	69.6	69.6	
11PM-MID	673	0.0	OFF	673	0	0.00	0	69.9	69.9	69.9	

"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

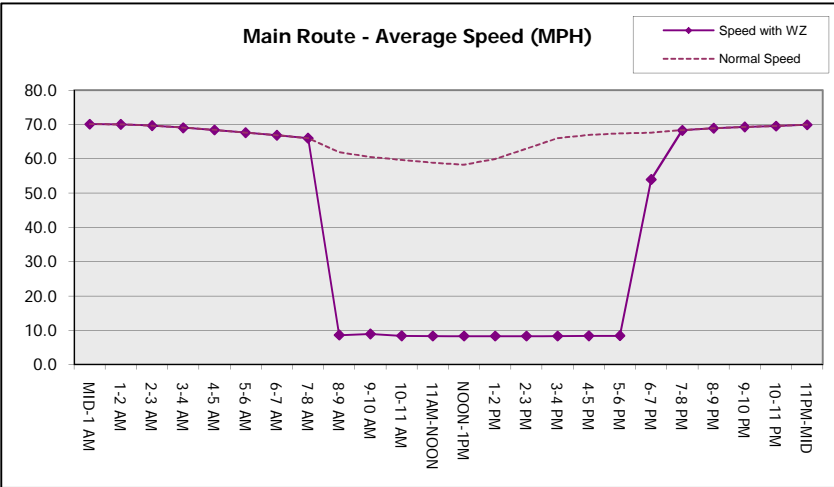
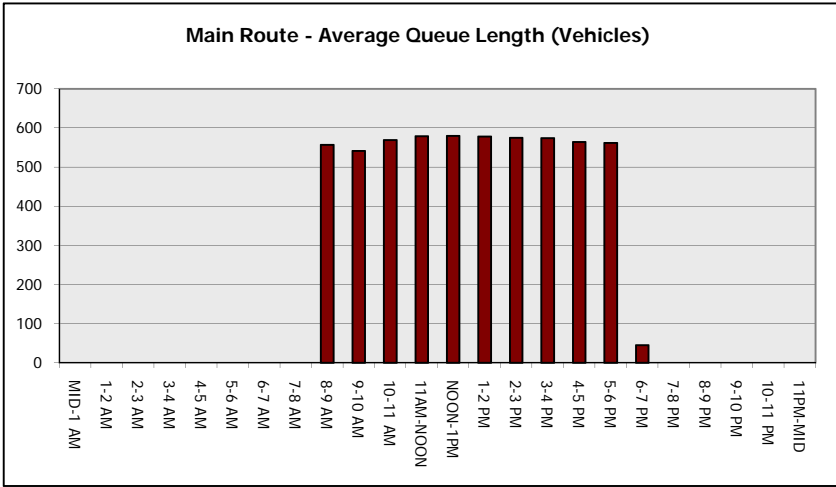
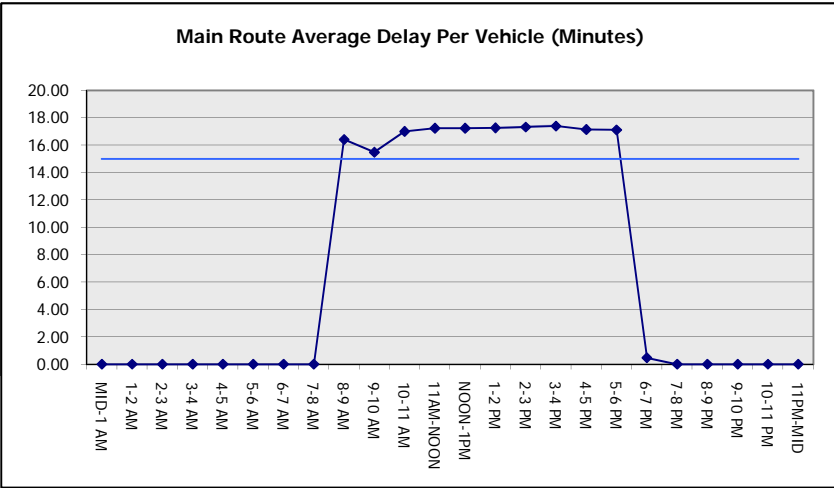
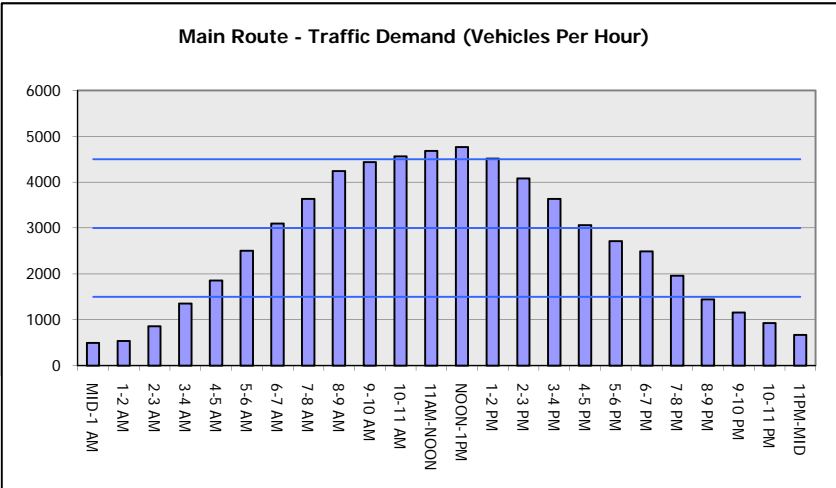
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0213
MAIN ROUTE WITH WORKS	0.0132
'DIVERSION'	0.0156
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$187,674
CONGESTED HOURS PER DAY*	10

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SATURDAY SOUTHBOUND DIRECTION



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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	OFF	1446	0	0.00	0	68.9	68.9	68.9
1-2 AM	1482	0.0	OFF	1482	0	0.00	0	68.9	68.9	68.9
2-3 AM	1866	0.0	OFF	1866	0	0.00	0	68.4	68.4	68.4
3-4 AM	2169	0.0	OFF	2169	0	0.00	0	68.1	68.1	68.1
4-5 AM	2711	0.0	OFF	2711	0	0.00	0	67.4	67.4	67.4
5-6 AM	2990	0.0	OFF	2990	0	0.00	0	67.0	67.0	67.0
6-7 AM	3598	0.0	OFF	3598	0	0.00	0	66.3	66.3	66.3
7-8 AM	4085	0.0	OFF	4085	0	0.00	0	63.0	63.0	63.0
8-9 AM	4369	0.0	1999	2121	2248	17.30+	590	61.0	8.3	34.5
9-10 AM	4548	0.0	1999	2366	2182	15.58+	537	59.8	8.8	28.6
10-11 AM	4592	0.0	1999	2000	2592	17.29+	580	59.5	8.3	27.9
11AM-NOON	4748	0.0	2000	2000	2747	17.24+	580	58.4	8.3	27.9
NOON-1PM	4839	0.0	2000	2000	2839	17.21+	580	57.8	8.3	27.9
1-2 PM	4686	0.0	2000	2000	2686	17.26+	580	58.9	8.3	27.9
2-3 PM	4466	0.0	1999	2002	2464	17.32+	580	60.4	8.3	27.9
3-4 PM	4054	0.0	2000	2030	2024	17.35+	576	63.2	8.3	27.9
4-5 PM	3550	0.0	2000	2046	1504	17.39+	573	66.3	8.3	27.9
5-6 PM	3559	0.0	2000	2011	1548	17.48+	576	66.3	8.3	27.9
6-7 PM	3523	0.0	OFF	3523	0	0.78	66	66.4	47.1	47.1
7-8 PM	3105	0.0	OFF	3105	0	0.00	0	66.9	66.9	66.9
8-9 PM	2440	0.0	OFF	2440	0	0.00	0	67.7	67.7	67.7
9-10 PM	2130	0.0	OFF	2130	0	0.00	0	68.1	68.1	68.1
10-11 PM	1871	0.0	OFF	1871	0	0.00	0	68.4	68.4	68.4
11PM-MID	1675	0.0	OFF	1675	0	0.00	0	68.6	68.6	68.6

"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	0.0262
MAIN ROUTE WITH WORKS	0.0172
'DIVERSION'	0.0177

PIA: Personal Injury Accidents

ROAD USER COSTS PER DAY	\$202,822
CONGESTED HOURS PER DAY*	10

*Delays Exceeding User-Specified Maximum

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