

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

SUMMARY OF TRAFFIC MODEL OUTPUT

FRIDAY 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	584	0.0	3000	584	0	0.36	0	70.0	58.4	49.7	
1-2 AM	802	0.0	3000	802	0	0.35	0	69.7	58.3	49.7	
2-3 AM	2048	0.0	2999	2048	0	0.35	0	68.2	57.4	49.2	
3-4 AM	3824	0.0	2999	3824	0	5.50	343	64.7	18.6	37.3	
4-5 AM	4246	0.0	2999	3093	1153	17.01+	911	61.9	10.1	37.3	
5-6 AM	4328	0.0	3000	3009	1319	17.10+	918	61.3	10.1	37.3	
6-7 AM	4724	0.0	2999	3022	1703	17.52+	950	58.6	10.0	37.3	
7-8 AM	4945	0.0	3000	3000	1945	17.48+	953	57.1	10.0	37.3	
8-9 AM	4743	0.0	3000	3000	1743	17.57+	953	58.4	10.0	37.3	
9-10 AM	4584	0.0	3000	3002	1583	17.54+	948	59.6	10.0	37.3	
10-11 AM	4806	0.0	2999	3000	1806	17.54+	953	58.0	10.0	37.3	
11AM-NOON	5320	0.0	3000	3000	2320	17.31+	953	54.5	10.0	37.3	
NOON-1PM	5083	0.0	3000	3000	2083	17.42+	953	56.1	10.0	37.3	
1-2 PM	4729	0.0	3000	3000	1728	17.57+	953	58.6	10.0	37.3	
2-3 PM	5192	0.0	3000	3000	2192	17.37+	953	55.4	10.0	37.3	
3-4 PM	4784	0.0	3000	3002	1783	17.53+	952	58.2	10.0	37.3	
4-5 PM	3835	0.0	3000	2954	881	16.92+	898	64.6	10.2	37.3	
5-6 PM	3281	0.0	2999	2991	290	16.82+	887	66.6	10.2	37.3	
6-7 PM	2777	0.0	2999	2777	0	15.50+	815	67.3	10.6	37.3	
7-8 PM	2332	0.0	2999	2332	0	6.19	374	67.8	17.4	41.7	
8-9 PM	1679	0.0	3000	1679	0	0.34	0	68.6	57.9	49.7	
9-10 PM	1238	0.0	3000	1238	0	0.35	0	69.2	58.1	49.7	
10-11 PM	1035	0.0	3000	1035	0	0.35	0	69.4	58.2	49.7	
11PM-MID	726	0.0	3000	726	0	0.35	0	69.8	58.4	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

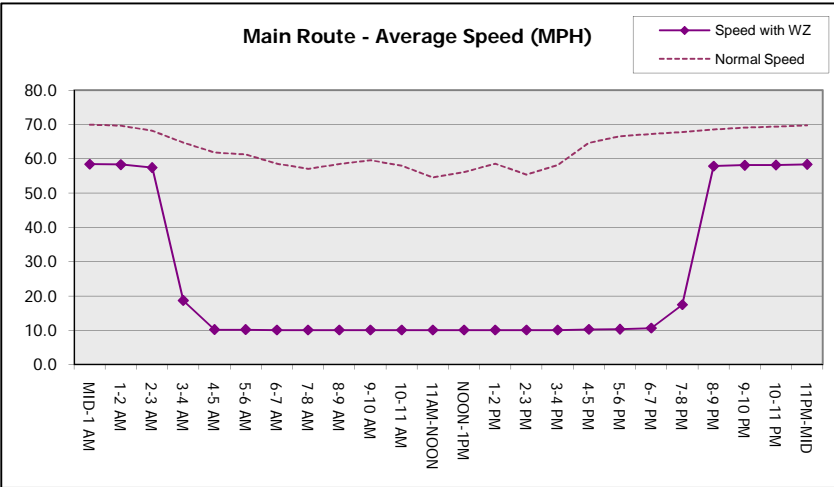
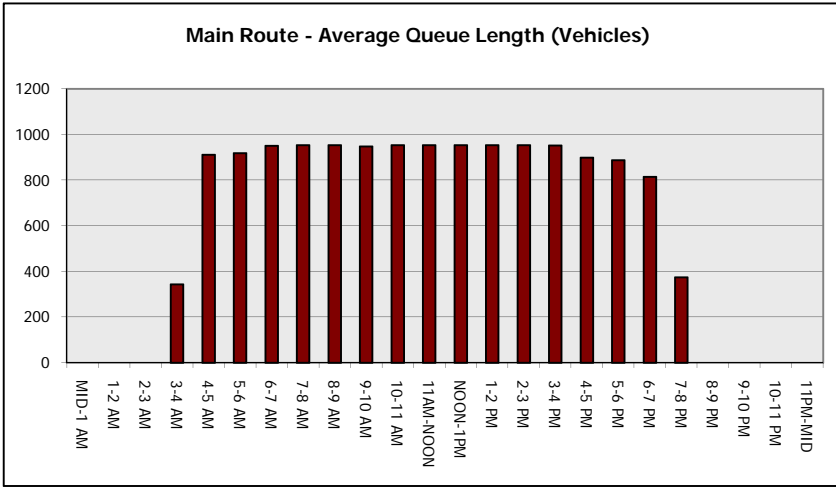
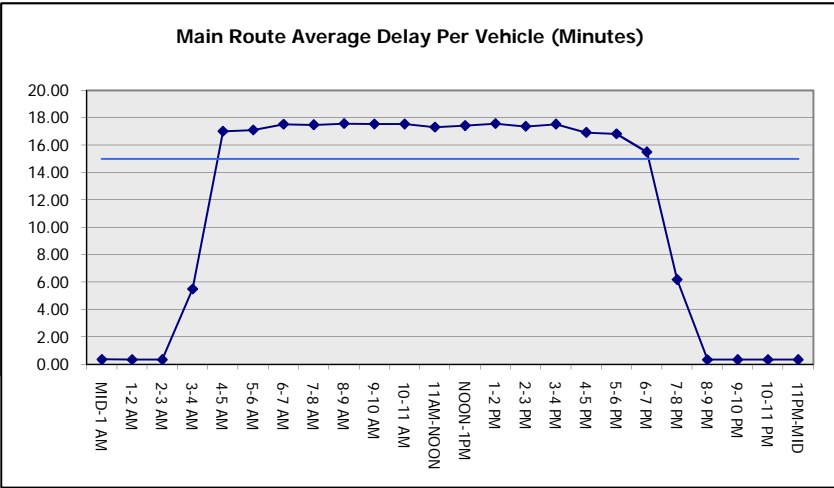
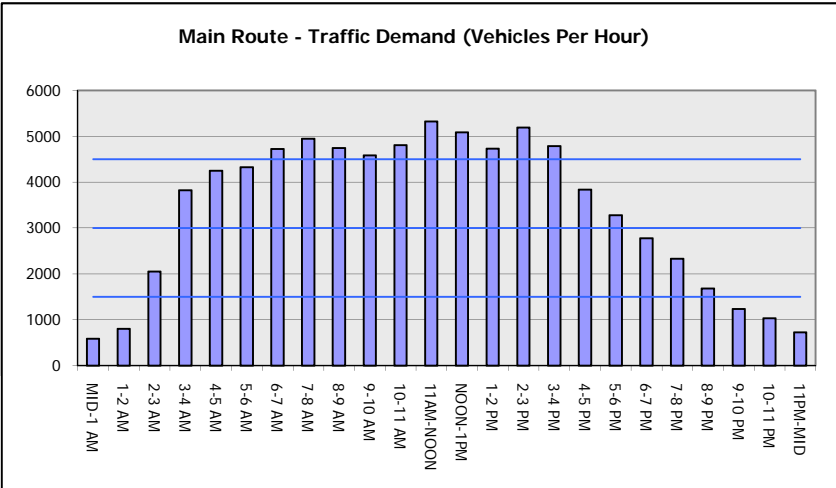
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0273
MAIN ROUTE WITH WORKS	0.0159
'DIVERSION'	0.0174
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$263,660
CONGESTED HOURS PER DAY*	15

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY SOUTHBOUND DIRECTION



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SUMMARY OF TRAFFIC MODEL OUTPUT

FRIDAY 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	1420	0.0	3000	1420	0	0.34	0	69.0	58.1	49.7
1-2 AM	1854	0.0	2999	1854	0	0.34	0	68.4	57.8	49.7
2-3 AM	3239	0.0	2999	3239	0	1.52	70	66.7	36.9	37.9
3-4 AM	4431	0.0	3000	3662	769	13.72+	759	60.6	11.2	37.3
4-5 AM	5002	0.0	2999	3000	2002	17.46+	953	56.7	10.0	37.3
5-6 AM	4828	0.0	3000	3000	1828	17.53+	953	57.9	10.0	37.3
6-7 AM	5087	0.0	3000	3000	2087	17.42+	953	56.1	10.0	37.3
7-8 AM	5291	0.0	3000	3000	2291	17.32+	953	54.7	10.0	37.3
8-9 AM	4990	0.0	3000	3000	1990	17.46+	953	56.8	10.0	37.3
9-10 AM	4979	0.0	3000	3000	1979	17.47+	953	56.8	10.0	37.3
10-11 AM	5255	0.0	3000	3000	2255	17.34+	953	55.0	10.0	37.3
11AM-NOON	5697	0.0	3000	3000	2697	17.12+	953	51.9	10.0	37.3
NOON-1PM	5986	0.0	3000	3000	2986	16.95+	953	49.9	10.0	37.3
1-2 PM	6430	0.0	3000	3000	3430	16.68+	953	46.9	10.0	37.3
2-3 PM	5989	0.0	3000	3000	2988	16.95+	953	49.9	10.0	37.3
3-4 PM	5193	0.0	3000	3000	2193	17.37+	953	55.4	10.0	37.3
4-5 PM	4630	0.0	3000	2999	1632	17.51+	947	59.2	10.0	37.3
5-6 PM	4345	0.0	3000	2972	1373	17.20+	924	61.2	10.1	37.3
6-7 PM	4075	0.0	3000	2988	1086	16.87+	900	63.0	10.2	37.3
7-8 PM	3421	0.0	3000	2994	427	16.83+	888	66.5	10.2	37.3
8-9 PM	2707	0.0	2999	2707	0	14.93+	785	67.4	10.7	37.3
9-10 PM	2247	0.0	2999	2247	0	3.19	263	67.9	26.3	44.5
10-11 PM	1935	0.0	3000	1935	0	0.34	0	68.3	57.8	49.7
11PM-MID	1714	0.0	3000	1714	0	0.34	0	68.6	57.9	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	0.0337
MAIN ROUTE WITH WORKS	0.0179
'DIVERSION'	0.0263

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$331,740
CONGESTED HOURS PER DAY*	18

*Delays Exceeding User-Specified Maximum

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