

USH 45: STH 190 TO NORTH AVE (MILWAUKEE COUNTY) CONTINUOUS (24 HOUR) CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	AUGUST
	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	481	0.0	3000	481	0	0.36	0	70.1	58.4	49.7
1-2 AM	324	0.0	3000	324	0	0.36	0	70.2	58.5	49.7
2-3 AM	301	0.0	3000	301	0	0.36	0	70.2	58.5	49.7
3-4 AM	336	0.0	3000	336	0	0.36	0	70.2	58.5	49.7
4-5 AM	813	0.0	3000	813	0	0.35	0	69.7	58.3	49.7
5-6 AM	2265	0.0	2999	2265	0	0.45	0	67.9	54.8	45.5
6-7 AM	4721	0.0	2999	3804	918	10.33+	619	58.6	12.9	37.3
7-8 AM	5771	0.0	2999	3006	2764	17.01+	952	51.4	10.0	38.3
8-9 AM	5316	0.0	3000	3063	2252	17.16+	944	54.5	10.0	37.3
9-10 AM	4655	0.0	3000	3074	1581	17.37+	940	59.1	10.1	37.3
10-11 AM	4691	0.0	2999	3001	1690	17.59+	953	58.8	10.0	37.3
11AM-NOON	4882	0.0	3000	3000	1882	17.51+	953	57.5	10.0	37.3
NOON-1PM	4969	0.0	3000	3000	1969	17.47+	953	56.9	10.0	37.3
1-2 PM	5002	0.0	3000	3000	2002	17.46+	953	56.7	10.0	37.3
2-3 PM	5338	0.0	3000	3000	2337	17.30+	953	54.4	10.0	37.3
3-4 PM	4390	0.0	3000	2954	1436	17.32+	931	60.9	10.1	37.3
4-5 PM	3607	0.0	3000	2995	612	16.85+	890	66.2	10.2	37.3
5-6 PM	3916	0.0	2999	2999	917	16.80+	893	64.1	10.2	37.3
6-7 PM	4425	0.0	2999	3027	1398	17.22+	926	60.6	10.1	37.3
7-8 PM	3414	0.0	3000	2977	438	16.82+	888	66.5	10.2	37.3
8-9 PM	2622	0.0	2999	2622	0	14.13+	744	67.5	11.0	37.3
9-10 PM	2324	0.0	2999	2324	0	2.73	219	67.9	28.3	44.3
10-11 PM	1978	0.0	3000	1978	0	0.34	0	68.2	57.8	49.7
11PM-MID	1588	0.0	3000	1588	0	0.34	0	68.7	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

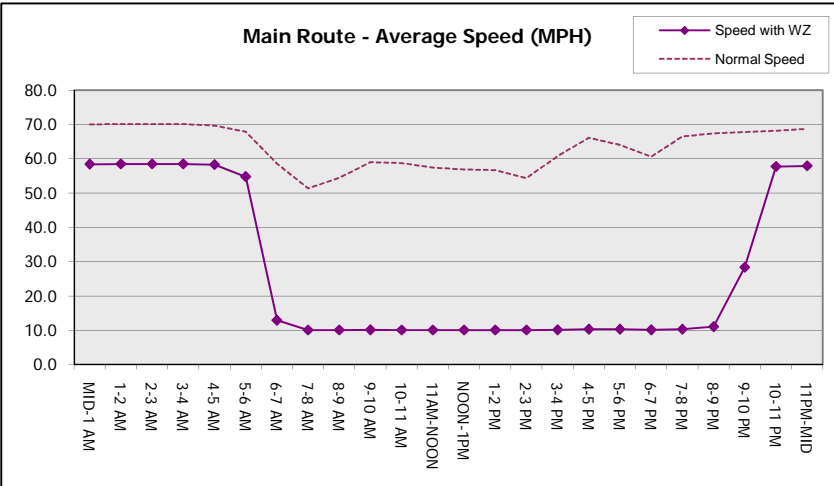
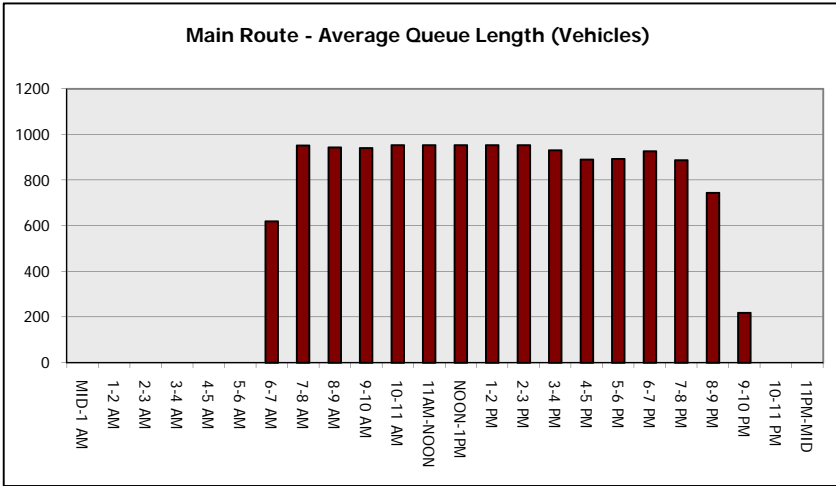
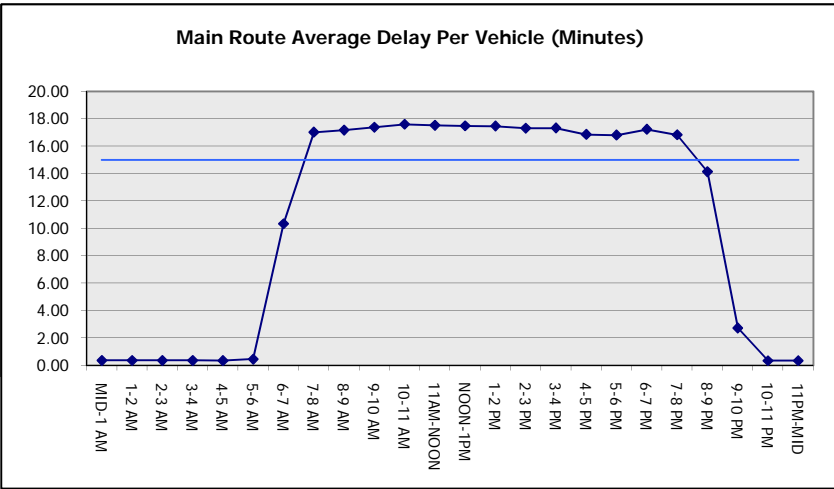
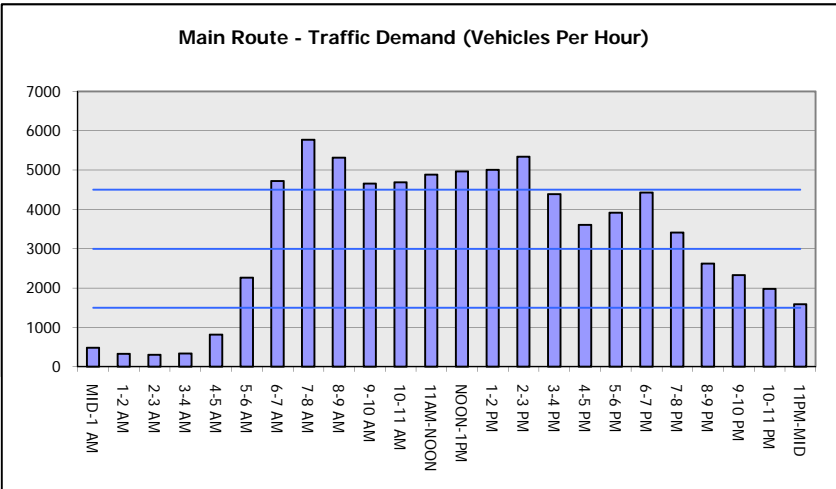
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0261
MAIN ROUTE WITH WORKS	0.0150
'DIVERSION'	0.0172
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$256,160
CONGESTED HOURS PER DAY*	15

*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	772	0.0	3000	772	0	0.35	0	69.8	58.3	49.7	
1-2 AM	554	0.0	3000	554	0	0.36	0	70.0	58.4	49.7	
2-3 AM	491	0.0	3000	491	0	0.36	0	70.1	58.4	49.7	
3-4 AM	475	0.0	3000	475	0	0.36	0	70.1	58.4	49.7	
4-5 AM	1263	0.0	3000	1263	0	0.35	0	69.2	58.1	49.7	
5-6 AM	3133	0.0	2999	3133	0	1.41	79	66.8	38.2	40.6	
6-7 AM	5280	0.0	3000	3557	1723	15.18+	854	54.8	10.6	38.5	
7-8 AM	6227	0.0	2999	3000	3227	16.81+	953	48.3	10.0	37.3	
8-9 AM	5211	0.0	3000	3025	2186	17.30+	949	55.3	10.0	37.3	
9-10 AM	4385	0.0	3000	3016	1369	17.18+	923	60.9	10.1	37.3	
10-11 AM	4516	0.0	2999	3031	1485	17.36+	936	60.0	10.1	37.3	
11AM-NOON	4834	0.0	2999	3000	1834	17.53+	953	57.8	10.0	37.3	
NOON-1PM	4993	0.0	3000	3000	1993	17.46+	953	56.8	10.0	37.3	
1-2 PM	5305	0.0	3000	3000	2305	17.31+	953	54.6	10.0	37.3	
2-3 PM	6008	0.0	3000	3000	3008	16.94+	953	49.8	10.0	37.3	
3-4 PM	6248	0.0	3000	3000	3248	16.80+	953	48.2	10.0	37.3	
4-5 PM	6497	0.0	3000	3000	3497	16.64+	953	46.5	10.0	37.3	
5-6 PM	5747	0.0	3000	3000	2747	17.09+	953	51.6	10.0	37.3	
6-7 PM	4931	0.0	3000	3001	1930	17.49+	953	57.2	10.0	37.3	
7-8 PM	3593	0.0	3000	2969	624	16.88+	891	66.3	10.2	37.3	
8-9 PM	3127	0.0	2999	2972	155	16.77+	884	66.8	10.2	37.3	
9-10 PM	3098	0.0	2999	2998	100	16.80+	885	66.9	10.2	37.3	
10-11 PM	2921	0.0	3000	2898	24	16.35+	860	67.1	10.4	37.3	
11PM-MID	2099	0.0	2999	2099	0	5.18	407	68.1	20.4	43.5	

+ 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	0.0307
MAIN ROUTE WITH WORKS	0.0162
'DIVERSION'	0.0243

PIA: Personal Injury Accidents

ROAD USER COSTS PER DAY	\$320,430
CONGESTED HOURS PER DAY*	17

*Delays Exceeding User-Specified Maximum

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