

July 5, 2018

Mr. Art Lancaster
Eastland Corporation
700 Ponte Vedra Lakes Boulevard
Ponte Vedra Beach, Florida 32082

Reference: SR-9B Traffic Diversion, St. Johns County, Florida

Dear Mr. Lancaster:

Pursuant to your request, England, Thims & Miller, Inc. has investigated the potential for the diversion of traffic from Bartram Park Boulevard to SR-9B when it opens. Based on turning movement counts taken for the last biennial monitoring report during the morning and afternoon peak periods, approximately 65% of the traffic on Race Track Road west of Bartram Park Boulevard comes from or goes to the north on Bartram Park Boulevard.

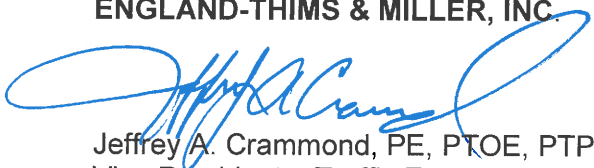
To quantify the amount of traffic that will divert to SR-9B when it is opened between I-95 and CR-2209 in St Johns County, we used the 2020 data files from the Activity Based North East Regional Planning Model (NERPM-AB). Travel demand simulations were conducted using two roadway networks. The first roadway network contained SR-9B terminating at I-95 and the second roadway network included the section of SR-9B between I-95 and CR-2209. All the other parameters (land uses, friction factors and transit service) remained the same. The results of the modeling indicated that the traffic on Bartram Park Boulevard will decrease by approximately 10,000 vehicles per day. This value represents approximately half of the existing volumes on the central and southern portions of the roadway. A corresponding increase on the section of I-95 between Old St. Augustine Road and SR-9B also occurred.

In addition to the decrease in traffic, the proposed Dynamic Feedback Speed Limit Signs proposed in the northern and southern sections of Bartram Park Boulevard, should help moderate the speeds on Bartram Park Boulevard. The decrease in traffic and lower operating speeds should improve the conditions over what we are current experiencing on the roadway.

After you have had an opportunity to review this analysis, please call if you should have any questions or require additional information. Thank you for this opportunity to be of professional service.

Sincerely,

ENGLAND-THIMS & MILLER, INC.



Jeffrey A. Crammond, PE, PTOE, PTP
Vice President – Traffic Engineering/
Transportation Planning