



City of Annapolis

DEPARTMENT OF TRANSPORTATION

308 Chinquapin Round Road, Annapolis, Maryland 21401

Phone: 410-263-7964 410-263-7994 Fax: 410-263-4508 Internet: transit@annapolis.gov

J. RICK GORDON, DIRECTOR

September 21, 2016

To: Cynthia Gudenius, Land Use & Development Planner

From: Kwaku Agyemang-Duah *KAD*

Re: Annapolis Regional Library at 1410 West Street

Project Description

The proposed project consists of a 32,500 GSF library to be constructed on the site of the existing 20,900 GSF library at 1410 West Street. The proposed library will add 11,600 GSF to the existing library for a total of 32,500 GSF.

Trip Generation Potential

Based on ITE Trip Generation manual, the proposed increase of 11,600 GSF to the existing library will generate additional average weekday two-way driveway volume of 626 trips.

City of Annapolis Code of Ordinances

Chapter 22.21 of the Annapolis Code of Ordinances requires a traffic impact study if:

- a. The proposed development and/or additions to existing structure is expected to generate four hundred (400) daily trips or more based upon trip generation rates published in the latest edition of the Trip Generation Manual, published by the Institute of Transportation Engineers (ITE); or
- b. There are current traffic problems or issues in the project area, e.g. high traffic accident frequency; or
- c. The proposed entrances and exits from the site are too close to an intersection.

Recommendation

The estimated trip generation of the proposed addition of 11,600 GSF to the existing library is 626 trips. This number is above the threshold of 400 daily trips required for a traffic impact study under the City of Annapolis Code of Ordinances. ADOT recommends that a full traffic impact study be done for the proposed regional library.

Attachments: Summary of Trip Generation Calculation

Annapolis Regional Library at 1410 West Street
 Summary of Trip Generation Calculation
 For 11.6 Th.Gr.Sq.Ft. of Library
 September 21, 2016

	Average Rate	Standard Deviation	Adjustment Factor	Driveway Volume
Avg. Weekday 2-Way Volume	54.00	22.16	1.00	626
7-9 AM Peak Hour Enter	0.76	0.00	1.00	9
7-9 AM Peak Hour Exit	0.30	0.00	1.00	3
7-9 AM Peak Hour Total	1.06	1.04	1.00	12
4-6 PM Peak Hour Enter	3.40	0.00	1.00	39
4-6 PM Peak Hour Exit	3.69	0.00	1.00	43
4-6 PM Peak Hour Total	7.09	3.87	1.00	82
Saturday 2-Way Volume	46.55	24.43	1.00	540
Saturday Peak Hour Enter	3.58	0.00	1.00	42
Saturday Peak Hour Exit	3.17	0.00	1.00	37
Saturday Peak Hour Total	6.75	4.97	1.00	78

Note: A zero indicates no data available.
 Source: Institute of Transportation Engineers
 Trip Generation, 7th Edition, 2003.

TRIP GENERATION BY MICROTRANS