

PUBLIC COMMENTS AND QUESTIONS
RELATED TO DVRPC BOARD ACTION ITEMS

January 26, 2017

Agenda Item:

3. Fiscal Year 2017 Planning Work Program Amendments
c. Automatic Video Vehicle Classification Application

From: Bryan Quigley

County: N/A

Zip Code: N/A

Date Received: 1/16/2017

Comment/Question: Thank you for accepting comments online!

For 3c. Automatic Video Vehicle Classification Application

I would specifically like to encourage the use or creation of Free and Open Source Software [1](hence forth referred to as FOSS) in this application, specifically:

* That you evaluate FOSS products that you can build on or contribute to (OpenCV [2] for example)

* That you evaluate releasing any created software (or modifications) publicly (under an established FOSS license, MIT, GPL, etc) and encourage contributions to it.

* Prefer solutions that can run on an open source software stack (Linux, etc)

Additionally, the creation of a written plan for how you see the software and it's uses evolving over the next 5 years can be a useful exercise to help pick the best choice. If it's open source that could include items like engagement and how to accept contributions from other transit agencies that need to solve the same or a similar problem.

References/Starting points

[1] <https://www.gnu.org/philosophy/free-sw.en.html>

[2] <http://opencv.org/>

Github site with some possibilities (unsure of license status)

<https://www.behance.net/gallery/4057777/Vehicle-Detection-Tracking-and-Counting>

Thanks again!

Bryan

Response: Thank you for your comment. Your original comment was forwarded to the DVRPC Board, the relevant project managers at DVRPC for response, and the project funders at the Pennsylvania Department of Transportation.

DVRPC plans to evaluate OpenCV, specifically using Python (2.7) bindings. However, we cannot release any created software and encourage contributions since PennDOT is funding this project and they will own the project material.

As to using open source software, a secondary objective of this project is the preference of FOSS and cross-platform software over proprietary software. Due to IT limitations however, development will occur on Windows based machines.

Thank you for your involvement in the region's planning, we appreciate your time and effort.