



FY 2021 UPWP Potential Project Ideas

August 27, 2019



Transportation and Land Use Connection Grants

- Based on program run by Metropolitan Washington Council of Governments.
- Relatively small grants (\$30-\$60K) for planning and preliminary engineering projects.
- Provides short-term consultant services to local jurisdictions for small planning projects that promote mixed-use, walkable communities and support a variety of transportation alternatives.
- In addition to providing technical assistance, the TLC Program includes a Peer Exchange Network and provides support for the TPB's project selection role under the federal Transportation Alternatives Set Aside (TAP).

Pedestrian Report Card Assessment

- Based on work from Boston MPO.
- Standardized way to assess pedestrian suitability or just a series of best practices.
- Looks at ways to incorporate into Local SHSPs.
- Measures include:
 - Sidewalk presence
 - Crossing opportunities
 - Pedestrian volumes
 - Pedestrian crashes
 - Etc.

Active Transportation Database

- Based on Los Angeles MPO (SCAG)
- Program to collect counts for bikes/peds/scooters, etc.
- Online platform to upload/access counts
- Advertising – get advocates to count
- Toolkits/Toolbox – Manual for counts
- Potential for grants for counts
- Potential to include all counts including vehicles
- Could organize efforts related to active transportation

Infrastructure in a Changing Climate

- Develop a short document for local public works/transportation planning and operating agencies called Local Infrastructure Planning, Operations, and Maintenance in a Changing Climate.
- Provide information on expected changes in the climate of the Baltimore region over the rest of the century with expected impacts of these changes on municipal facilities, services, operations, and maintenance.

Study of Methods to Provide More Efficient Traffic Flow on Major Corridors

- Include items such as ramp metering, ITS, etc.

Priority Letter Development Practices

- Review how each County in the State of MD develops its priority letter
- Review methods for gaining stakeholder support for priority letter
- Review Pre-Tour and CTP Tour practices
- Interview MDOT on perceived best practices for Priority Letters and CTP Tours
- Review other nationwide best practices
- Provide easy to read one pager or brochure explaining the process to new elected officials

Small Area Land Use Impact Tool

- Based on work by North Jersey MPO (NJTPA)
- ArcGIS Community Viz software
- Customized SALUIT Add-on
- Sketch Planning Tool
- Impact of changing Land Use and Transportation
- Potential use for Small Area Plans
- Prior to proposing as project review Smart Growth Center work and previous work by Howard County
- Could be a seminar or training session on possible use

Concept Level Bike/Ped. Facilities Cost Estimation Tool

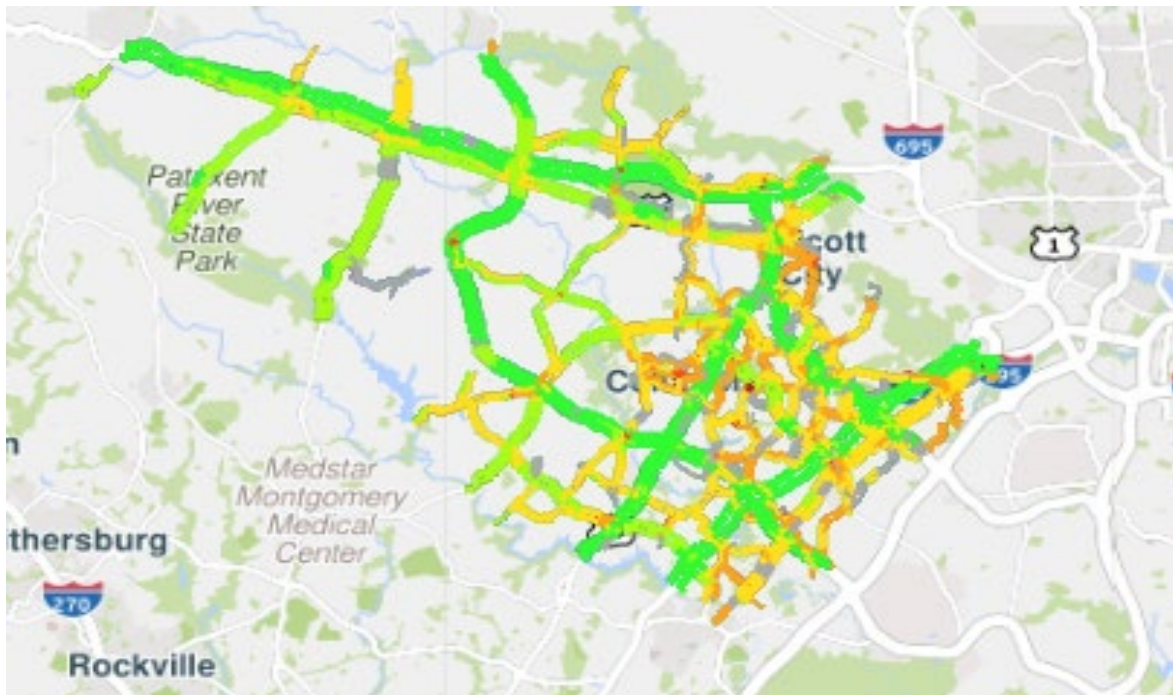
- Suggested by Bicycle/Pedestrian Advisory Group (BPAG)
- Provide consistent, reliable cost estimates for use throughout the region
- Include several key attributes with guidance as to how to update over time
- Used for locally funded projects as well as: TA, MD Bikeways, Build, other grants
- Should include cost estimates for all project development phases

Transit Signal Prioritization Screening and Prioritization

- Shortlist from FY 2020 UPWP discussions
- Research into transit signal priority corridor screening and prioritization tools
- Review MDOT MTA Transit Signal Priority work with Swiftly
- Show potential inclusion of LOTs agencies
- Screening of potential corridors for TSP
- Prioritization of potential TSP corridors
- Potential expansion to include improving all traffic flow

Deeper Dive into Traffic Flow Data

- Focused studies of Inrix Probe data on select corridors
- Expand study with new Inrix XD data that reaches lower classification roads



Attributes available are:

- Speed (mph)
- Buffer time (minutes)
- Buffer index
- Planning Time Index
- Planning time (minutes)
- Travel Time (minutes)
- Travel Time Index (TTI)

Review of Large Project Development Process

- Review steps in project development process and expected timelines
 - Project Proposal Process
 - Priority Letter
 - Long Range Plan
 - CTP and TIP inclusion
 - Project Planning
 - Feasibility Study
 - NEPA Study
 - Right-of-Way
 - Final Engineering
 - Construction
- Review of methods used to expedite

The Role of the MPO in Public Health

- Utilizing the FHWA Report on Metropolitan Area Transportation Planning for Healthy Communities as a possible example
- Learn and expand on Healthy Harford program

Mitigating Transportation Impacts of Local Tourism Events

- Shortlist from FY 2020 UPWP discussions
- Summary of research and good practices for managing travel for planned special events
- Summary of current local planning and mitigation efforts for planned special events
- Recommended best practices for managing travel for planned special events

Regional Snapshots

- Based on Portland's Regional Snapshots
- GIS Based – Local data/stories
 - Demographic
 - Transportation
 - Environment
- Possibility to expand scope in the future?
 - e.g., economy, housing

Reviewing Methods to “Move the Needle” on Regional Performance Measures

- How much it would cost and what types of projects would make a difference?
- Potential to focus on one set of measures per fiscal year

Local CIP Development Practices

- Review how each County develops its CIP
 - Legal Basis
 - Schedule
 - Budget issues / fiscal constraint
 - Agency Input
 - Citizen Input
 - Evaluation Criteria
 - Review and Approval

Who Owns My Road?

Regional Education Program

- Standardized messaging explaining State/Local/MdTA road ownership
<http://www.mdot.maryland.gov/knowyourroads.html>
- Standardized messaging on MTA and LOTs
- How Roads/Transit is funded
- Funding Challenges – Fund sources, increasing costs (maintenance, operations)

Other Suggestions

- Bigger Tourism Study
- Sustainable Growth Study
- 50 Year Transit System Study
- Autonomous Vehicle Study
- Bay Bridge Study (U.S. 50)
- Toll Road Study
- Next Steps from RTP
- Regional Ferry Feasibility Study
- Update the Regional Rail Study from 2002

