Charlottesville-Albemarle MPO Area

OneMap - *Regional Bicycle and Pedestrian Infrastructure Map*

Scope of Work

Project Description:

The Charlottesville-Albemarle Metropolitan Planning Organization (CAMPO) will participate in a joint effort with the City of Charlottesville, Albemarle County and the University of Virginia to produce "OneMap", an initiative that was identified in the Jefferson Area Bicycle and Pedestrian Plan (2019).

Purpose:

The purpose of OneMap is to develop a shared naming system for bicycle and pedestrian infrastructure, agreed upon definitions, and mapping format to develop a singular regional map showing all of the bicycle and pedestrian transportation infrastructure throughout the MPO region, including infrastructure in Albemarle County, the City of Charlottesville, and UVA.

The CA-MPO staff has focused the OneMap product into three categories outlined below. Data for each mode will need to be collected by the localities and university, and reported to the MPO on a bi-annually basis given the volume of data and the data collection processes.

Category Type	Description	Metrics **includes but not limited to:*
Pedestrian Only	Sidewalks (min. 4-ft width) concrete/asphalt	-constructed facility: buffer present/width; condition of facility; date constructed; ownership; easements; street characteristics -proposed facility: planning status; prioritization
Bicycle Only	Bicycle lanes (min. 4-ft width) Sharrow Pavement Marking	-constructed facility: pavement condition; date constructed; street characteristics -proposed/constructed facility type/other: shared-use (vehicles); wide outside shoulder/
Bike&Ped	Multi-use paths (min. 5-ft width) asphalt/concrete	-constructed facility: buffer present/width; condition of facility; date constructed; ownership; easements; street characteristics -proposed facility: planning status; prioritization

Background:

Developing OneMap has been taken up by both Charlottesville and Albemarle GIS and planning staff at different points since its original conception, but has lacked dedicated resources to complete.

Work duration and schedule:

This project is expected to be completed by the end of the fiscal year. If it is deemed a success by the MPO, this project will be repeated in subsequent fiscal years.

See work schedule in Appendix A.

Work Product:

The culminating work product for this endeavor is a planning tool for the MPO with usability for local planning staff departments and the university; a hard copy map of facilities would be made for the public for information purposes and produced in such in manner legally from liability (the insinuation of safety or promotion particular routes)

Intermediary work products include:

- An assessment of data to-date that has been compiled by localities and UVA;
- The compilation of all data into a uniformed format;
- Ongoing coordination meetings to determine purpose and goals for use of OneMap information;
- Processes to regularly update the information included in OneMap; and
- The development of a strategy for sharing the OneMap information either publicly or with stakeholders for ongoing use.

As a disclaimer, the MPO will continue to work through the process and the scope may be adjusted.

Task Items:

Task 1 - Project Management and Coordination

The TJPDC/MPO staff will manage the project and coordination of locality and university staff, and publication.

The TJPDC/MPO staff will convene regular monthly meetings of the bicycle and pedestrian coordination committee and present intermediary work products to the committee for feedback. The committee's periodic feedback will continue the on-going management of the project and its accuracy and implementation in the regional transportation planning process.

Task 2 – Digitization of facilities

The TJPDC/MPO staff will rely on locality staff and the university for its respective data. In other words, the MPO will be using data provided by the city, county, and university; the MPO will not be editing said data and takes no responsibility in the accuracy of the data. Questions concerning the data will need to be addressed by the original source.

Current files show incomplete data fields in the attribute tables and different methodologies in data notation in some incidences. The GIS digitation and line work of current facilities will need to be addressed (better detailed) in several areas. Files provided to the MPO are now out of date (2-years in some cases) and will need to be updated.

Task 3 – Planning tool for Moving Toward 2050 & other projects/programs/initiatives

The TJPDC/MPO staff will use the end product in the development of the next long range transportation plan. In addition, the tool will aid in the project precogitation and Smart Scale section process. OneMap will also begin to cultivate an up-to-date bicycle and pedestrian plan that could become a companion to the greenway system.

Task 4 – Public/stakeholder

The TJPDC/MPO staff will prepare and manage public distribution of OneMap and coordinate the effort with consideration given to any feedback from the Bicycle and Pedestrian Staff Coordination Committee upon approval by the MPO Policy Board.

Task 5 – Project conclusion and wrap-up

MPO staff will make a presentation to the MPO Policy, Technical Cmte, and Citizens Transportation Advisory Cmte. upon conclusion of the staff project effort. Feedback will be collected and staff will perform an internal assessment/evaluation; discussions between staff and others will occur for OneMap in future uses

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Appendix A – *Project Schedule*

	March-October 2022	**November-December** 2022	**January** 2023	**February- March** 2023	**April** 2023	**May** 2023	**June** 2023
Task 1: Management & Involvement of Bicycle and Pedestrian Staff Coordination Committee	**MPO** staff received County & UVA gis data **City** requested hiatus on its data **MPO** staff explained technical aspects with Cmte. **MPO** staff met internally; reported to Cmte on moving project forward	**MPO** staff meets with City staff	**MPO** provides status-to-date presentation to Cmte; begins finalizing digitization toward late April				**MPO** staff coordinates meeting with local planning/GIS staff and university in prep for FY24; discussion on OneMap 2.0
Task 2: Digitization of facilities		**MPO** staff begins GIS mapping of gis files received from County & University w/ status-to-date presentation made to Cmte. **City** staff to meet internally after Cmte. December Cmte. mtg	**MPO** staff begins GIS mapping of gis files received from City, County & University		**MPO** staff finalizes locality & university digitation concluding Task #2		**MPO** staff internally evaluates of Task #2
Task 3: Planning tool for Moving Toward 2050 & other projects/programs/initiatives			**MPO** staff probes existing data attribute tables provided by localities and university; uses Google Maps, 2021 Ortho. and other sources to make adjustments and complete data tables. All files and work pertaining to OneMap will be kept internally at the PDC office and unavailable to non-staff upon completion of Task #2				
Task 4: Public/Stakeholders						**MPO** staff begins public distribution	
Task 5: Project conclusion and wrap-up							**MPO** staff prepares presentation to Policy Board & MPO Cmtes.; discussion on OneMap 2.0

Public/Stakeholder group(s) = Locality staff, Virginia Department of Transportation, bicycle and pedestrian advocates, and any members of the public

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