

Multimodal System Inventory for Metropolitan Areas

Project Overview



PROJECT PURPOSE

This project will assist local jurisdictions in completing a **multimodal transportation data inventory** to comply with the new Transportation Planning Rule (“TPR”) requirements in *OAR Chapter 660, Division 12*, as adopted through the *Climate Friendly and Equitable Communities (CFEC)* rulemaking.

This collaborative process includes **defining data requirements and inventory methods**, and **collecting the multimodal transportation data for each jurisdiction within CFEC areas**. In addition, recommendations will be made regarding long-term data management solutions.

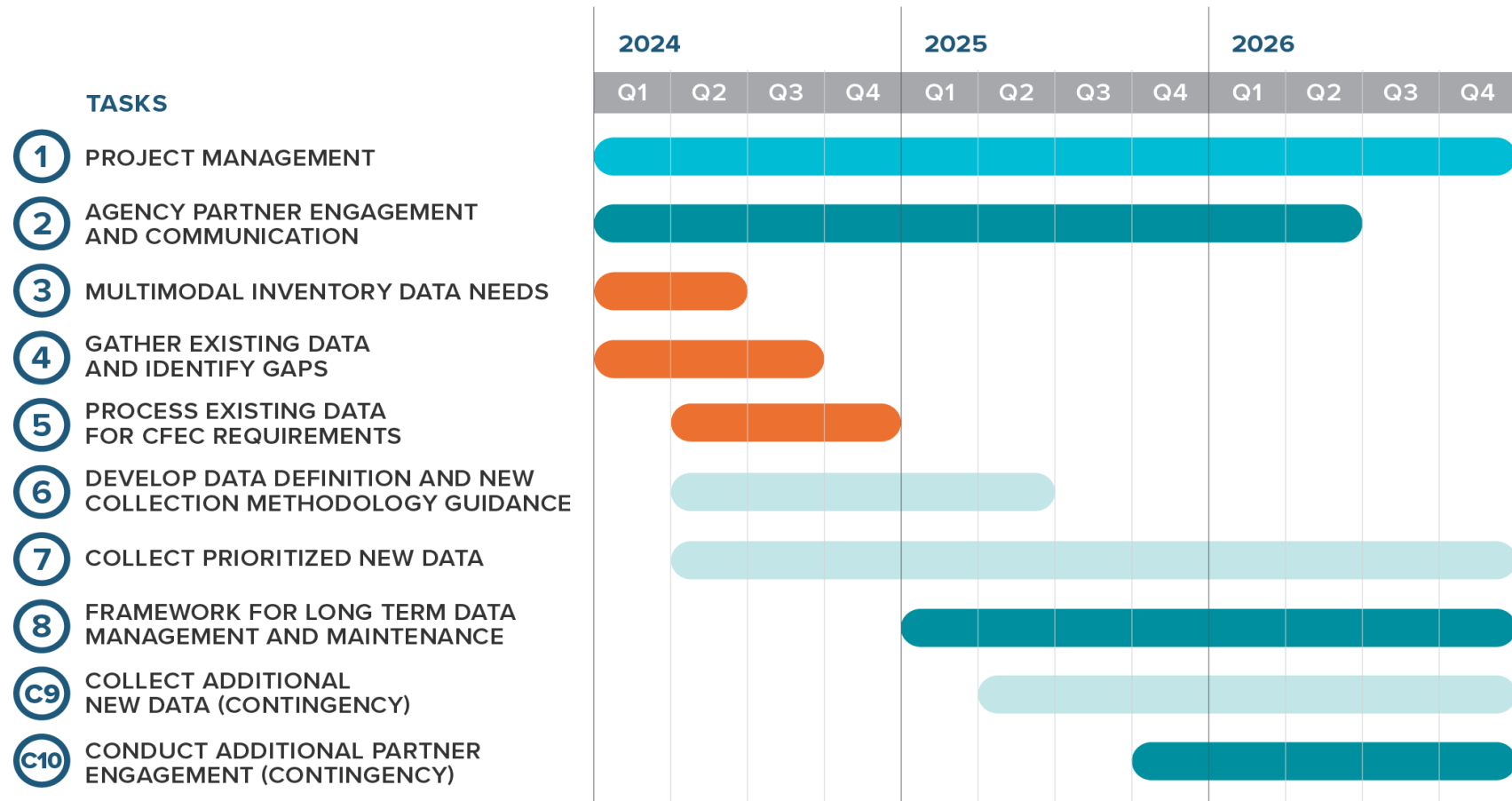


PROJECT OBJECTIVES

- Establish a multimodal transportation system inventory (**datasets**) to support TSP updates consistent with the updated TPR
- Produce datasets for public rights-of-way within the urban growth boundaries of cities in metropolitan areas
- Establish long-term data management and maintenance protocols
- Define long-term solutions for local jurisdictions and state agencies to maintain and access the data for ongoing transportation system planning, analysis



TASK SEQUENCE AND TIMELINE



DISCIPLINE GROUPS

- DATA MANAGEMENT AND STAKEHOLDER COORDINATION
- GIS / DATA PROCESS AND COLLECTION
- INVENTORY PLAN / METHODS



PARTNER ENGAGEMENT

- Partner Engagement Plan
- Local Agency Partner Survey
- Multimodal Inventory Steering Committee / MISC – up to 6 meetings
- Statewide Technical Advisory Committee / STAC – up to 5 meetings
- Virtual Briefings – up to 3 meetings
- Other ODOT coordination with CFEC initiatives
- Contingency Task: Additional Partner Engagement



DATASET DEVELOPMENT PROCESS

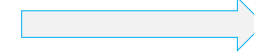
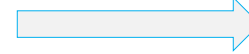
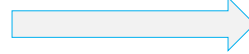
Process Step

Technical Coordination

Data Check Out*

TPR Updates

Data Check In*



Process Description

Local agency staff and project team will coordinate on the method and schedule for data updates. This will include the process for checking data in and out.

Data will be “checked-out” from the agency. During the check-out period, agencies will be asked to not make updates to subject datasets.

The project team will add and populate TPR compliant attributes. This process will include QA/QC. Additional technical coordination with agency staff may be necessary.

Final datasets will be “checked-in” to agencies following the processes developed under the Technical Coordination step.

**Data check-in and check-out refers to the technical process whereby the project team will receive data from an agency (check-out) for making TPR complaint updates, and then return the data (check-in) once the process is complete. The processes for checking data in and out will depend on the location of each agencies data and their preferences on where and how data updates are completed.*



PROPOSED DATASETS



VEHICULAR + FREIGHT FACILITIES

- Roadways
- Freight Routes
- Freight Terminals



BICYCLE + PEDESTRIAN FACILITIES

- Bicycle Routes*
- Pedestrian Routes*
- Pedestrian and Bicycle Crossings**



TRANSIT FACILITIES

- Transit Lines
- Transit Supportive Facilities
- Transit Priority Infrastructure



OTHER RELEVANT DATA

- Key Destination
- Crashes
- Intersection Points + Lines*



NON-MODAL

(used for context and gap analysis)

- Urban Growth Boundaries
- MPO Boundaries
- City Limits
- Climate Friendly Areas
- Metro 2040 Regional Growth Centers
- Primary and Secondary Schools
- Primary and Secondary Schools ¼-mile Buffer
- US Census (Blockgroups)
- Underserved Populations

* Collected by Ecopia

** Collected by Vexcel



EXAMPLE DATA ATTRIBUTES



VEHICULAR + FREIGHT FACILITIES

- Roadways
- Freight Routes
- Freight Terminals

REQUIRED TPR ATTRIBUTES

- Ownership
- Maintenance Responsibility
- Classification
- Primary Uses
- Primary Users
- Land Use Context
- Functional Class
- Federal Functional Class
- Condition
- Number of Travel Lanes
- Lane Width
- Center Turn Lanes
- Center Turn Lane Width
- Interchange Location
- Interchange Type
- Pricing Strategy

OPTIONAL TPR ATTRIBUTES

- Speed
- Traffic Volume
- Roadway Width
- Access Density



PROJECT TEAM

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