TPB REGION HIGH-CAPACITY TRANSIT NETWORK ACCESSIBILITY

Website Introduction

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TPB REGIONAL PUBLIC TRANSPORTATION SUBCOMMITTEE
February 27, 2024

Agenda Item 5

National Capital Region
Transportation Planning Board

Agenda

- Project Goals
- Methodology
  - Accessibility Analysis
  - Station Classification
  - Prioritization
- Case Studies
- Planning Dashboard
- Toolkit

Website:

bit.ly/49rLSXH

PROJECT GOALS

Understanding HCT Service

National Capital Region
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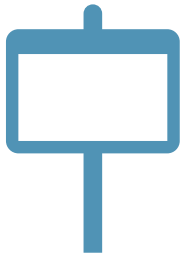
Understanding HCT

- Contextualize HCT with analyses of:
  - Accessibility
  - Connectivity
  - Transit service
  - Population/employment density
- Prioritize station-level improvements

Analysis Overview

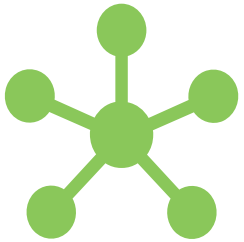


Station Classification

- Define level of service and people and destinations served by each HCT station

Accessibility Analysis

- Understand the regional travel landscape; in other words, what geographies have access to a HCT station



Connectivity Analysis

- Explore connections between HCT stations and residents, jobs, and points of interest

Improvement Prioritization

- Combine accessibility and connectivity analyses to understand HCT stations with the greatest number of missed connections to people, jobs, and points of interest

Since the Phase II Update:

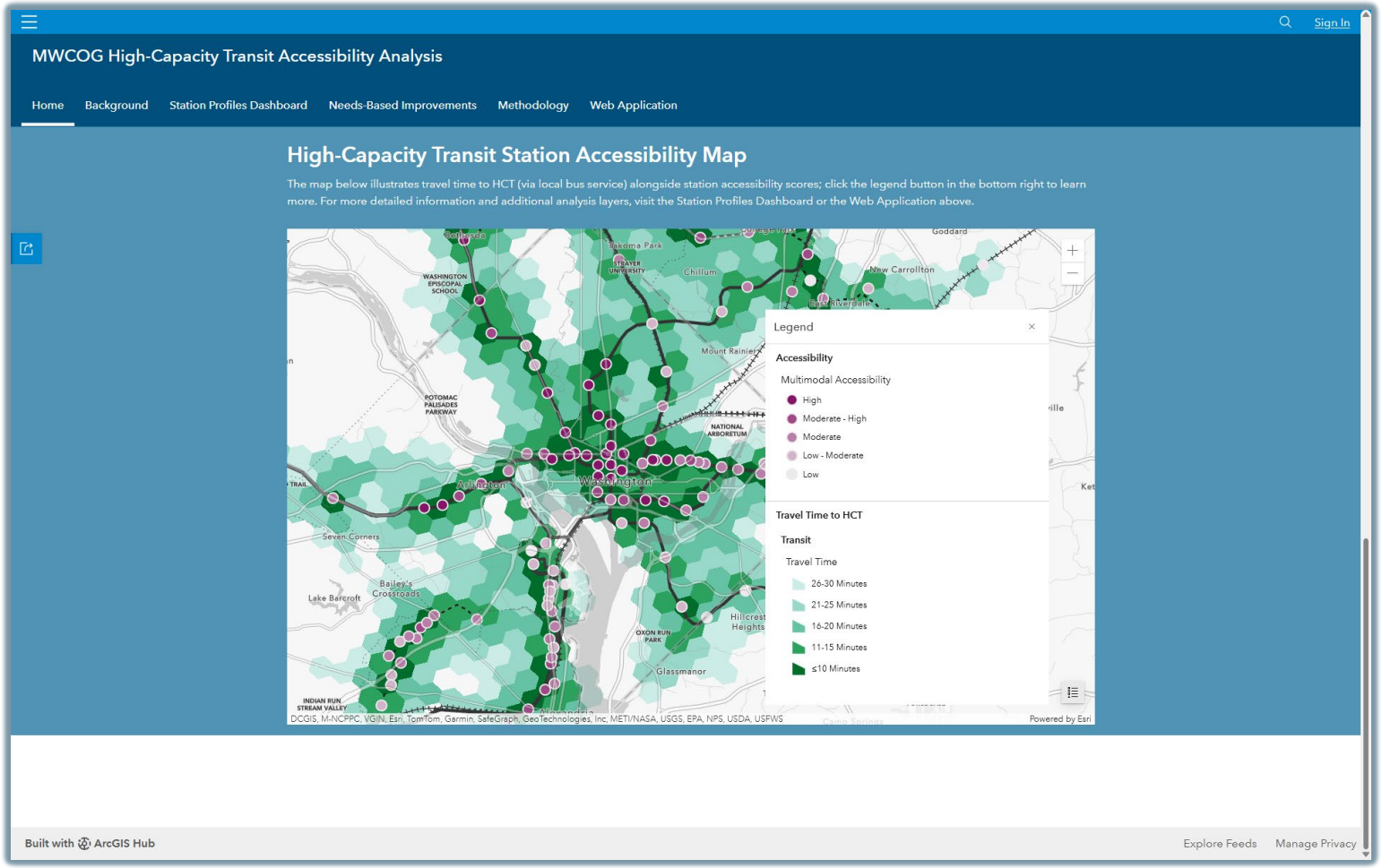
- Developed the Station Profiles Dashboard
- Enhanced improvements toolkit
- Finalized analyses and web application*

WEBSITE ORIENTATION

https://mwcog-high-capacity-transit-accessibility-analysis-fitp.hub.arcgis.com/

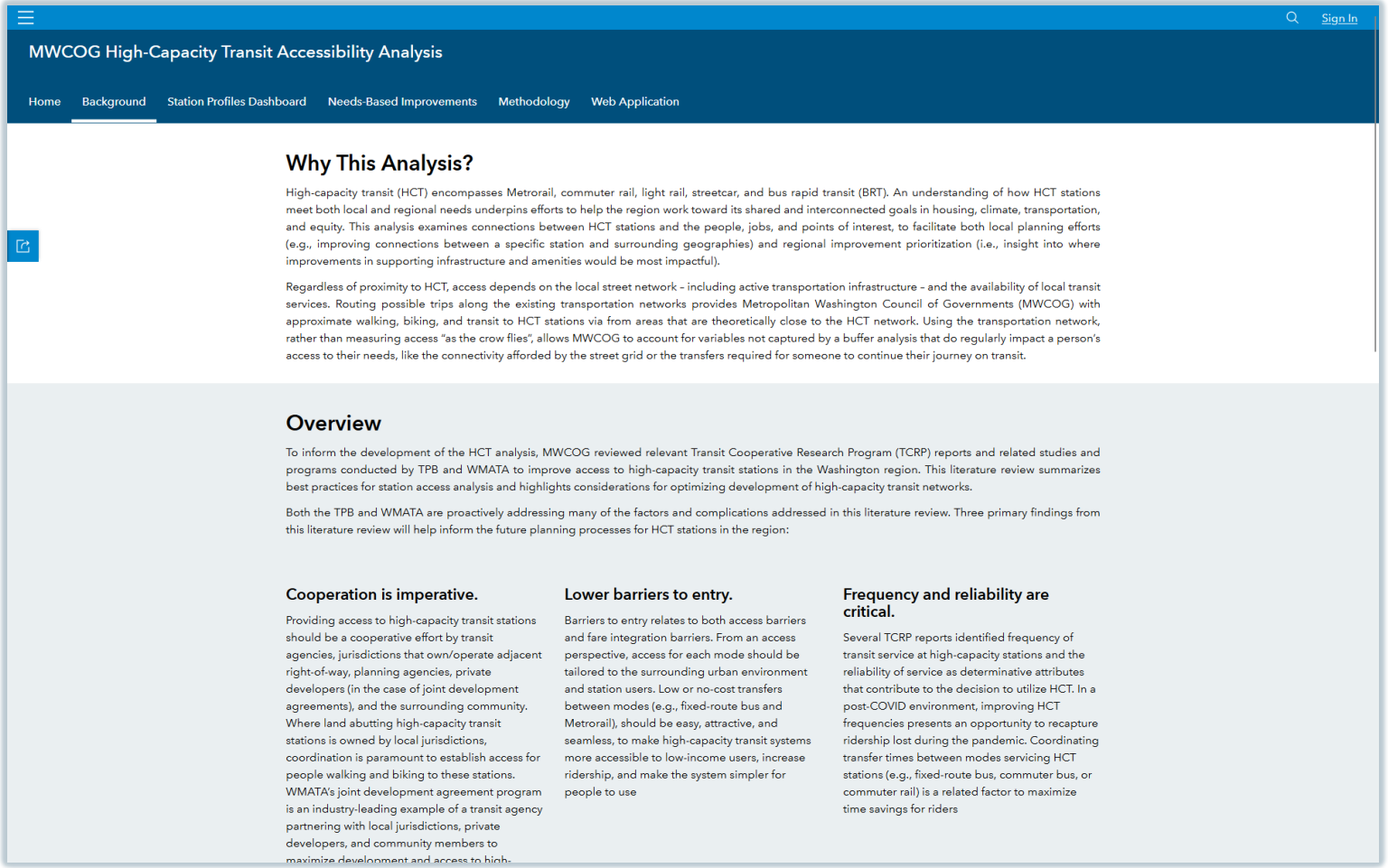
Home

- Project overview
- Introduction to elements
- Dashboard/application preview



Background

- HCT definition
- Accessibility findings (literature review)
- Regional planning efforts



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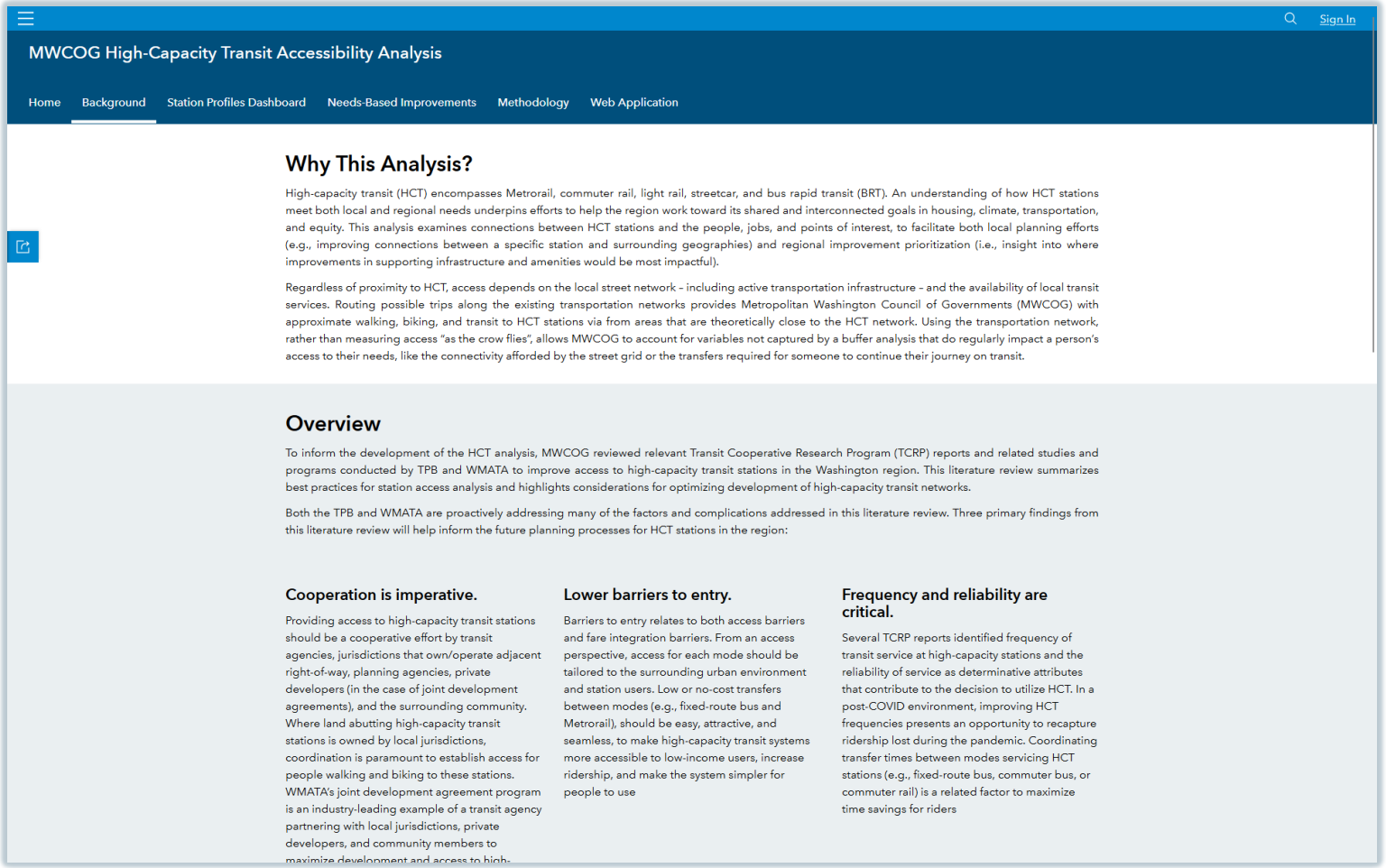
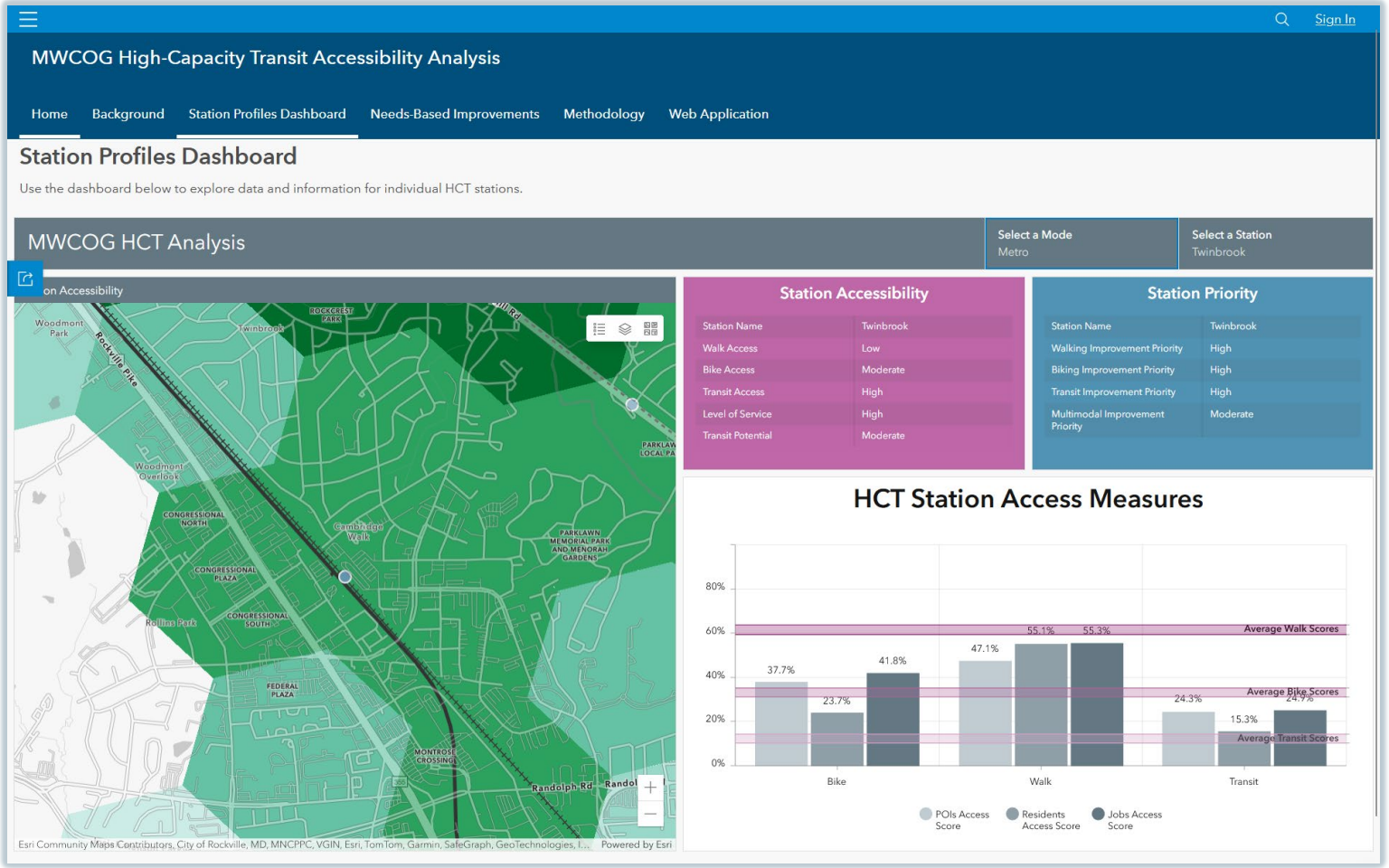


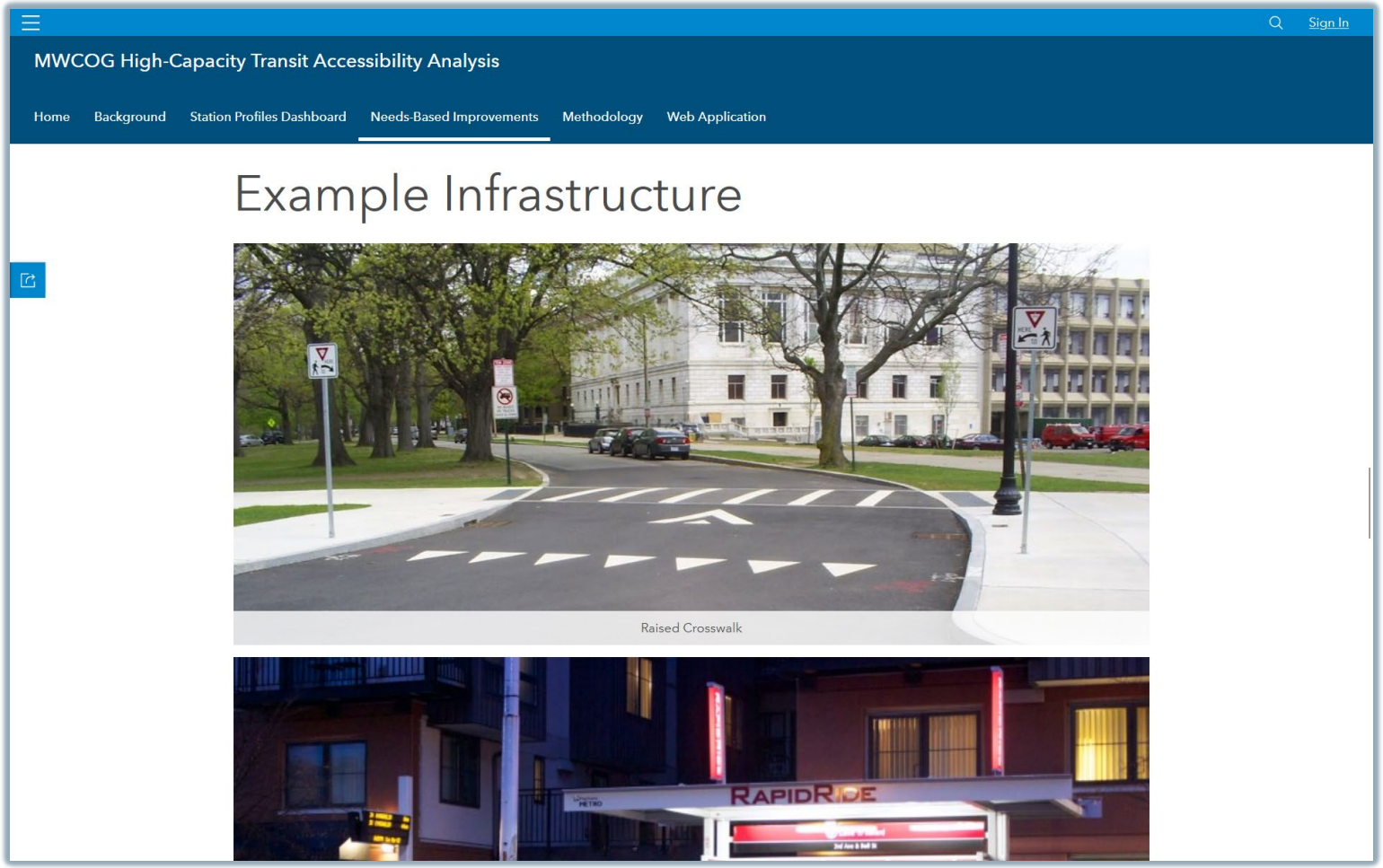
Station Profiles Dashboard

- Browse station accessibility and improvement prioritization index scores
- Compare modal accessibility measures to regional averages



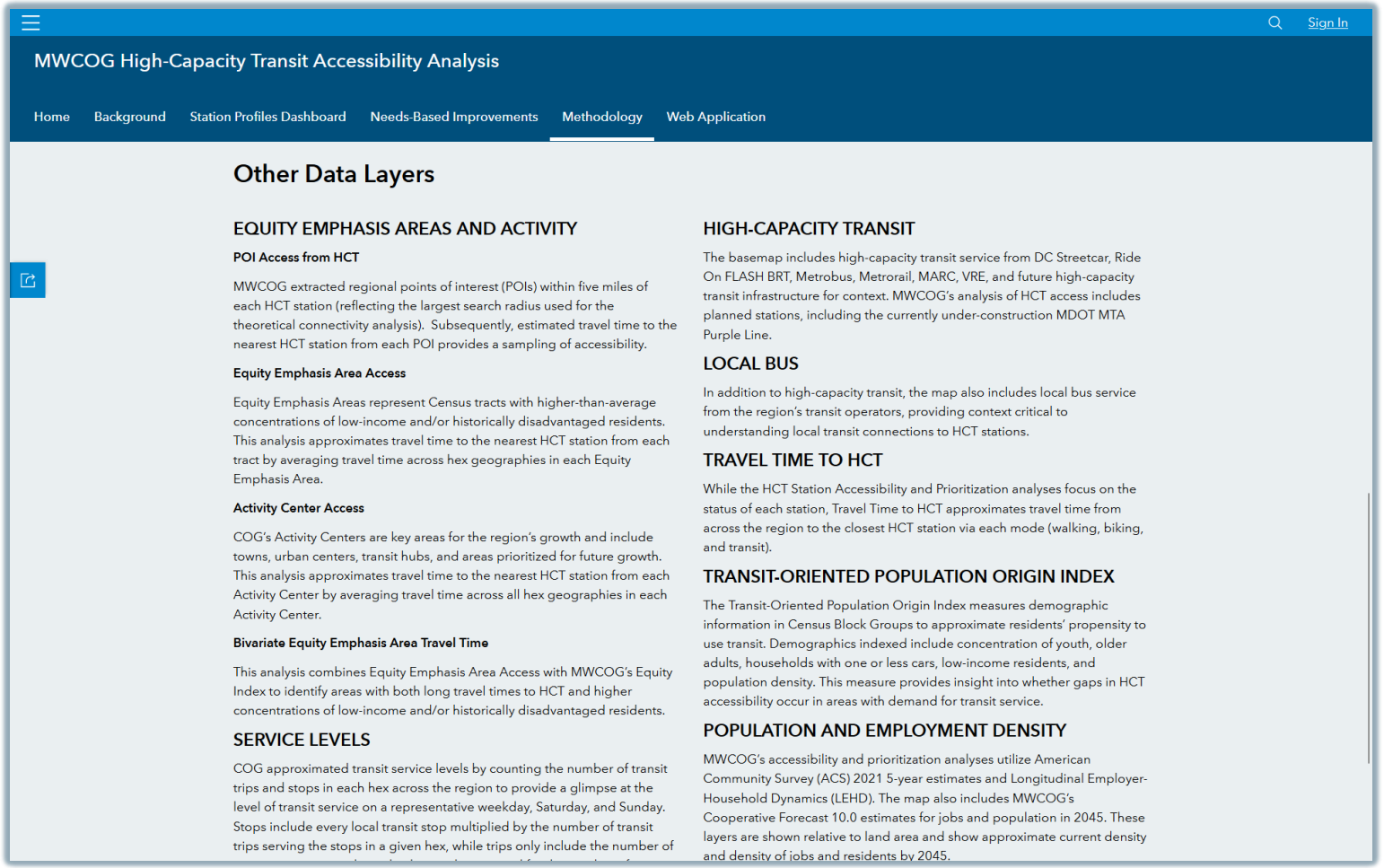
Needs-Based Improvements

- Browse access improvement strategies by station context
- Explore best practices



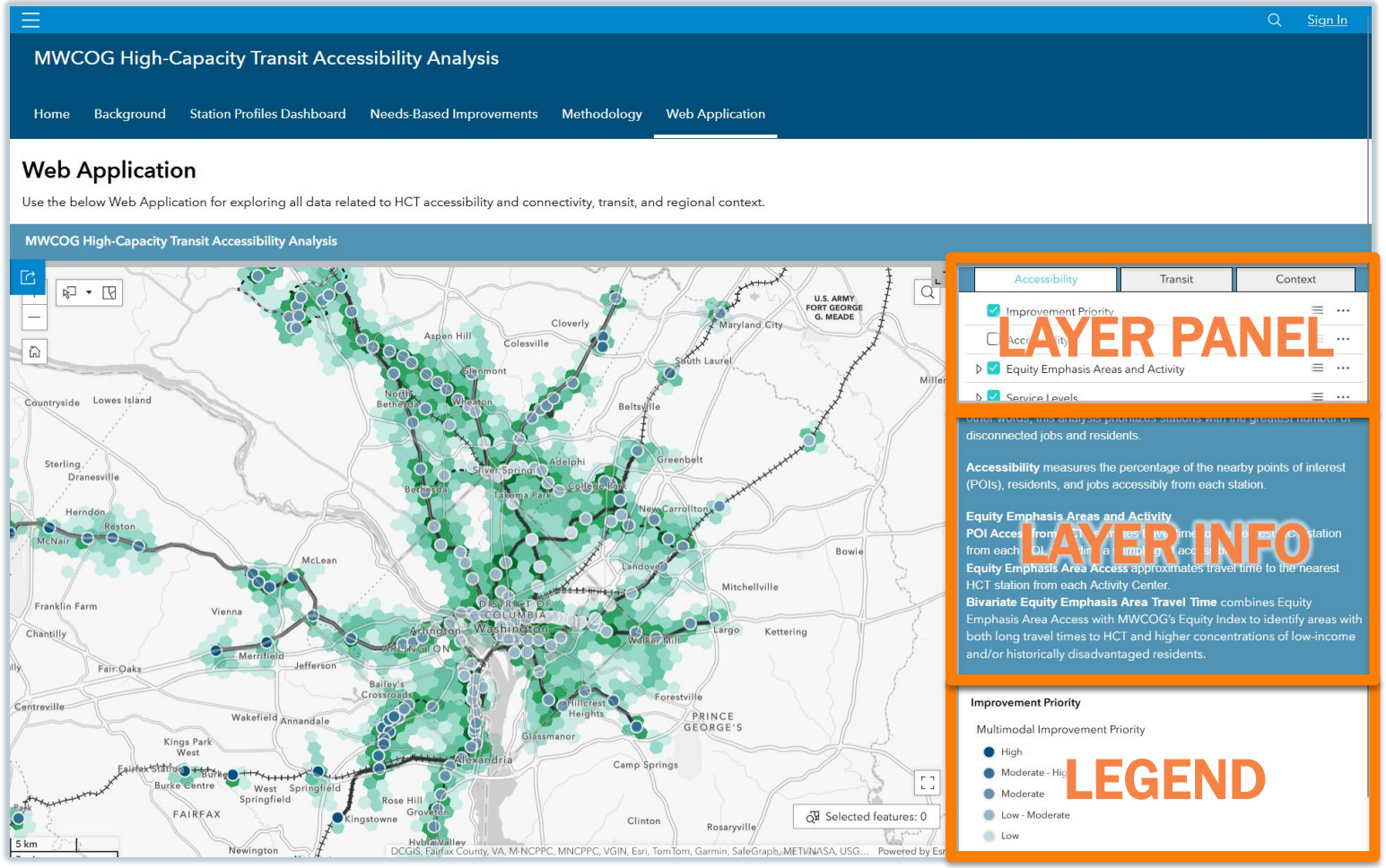
Methodology

- Understand accessibility calculations and the HCT station improvement need prioritization process
- Explore analyses underlying supporting dashboard/application layers



Web Application

- Choose your own adventure interface for browsing regional HCT data



USING THE WEBSITE

Demonstration

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