MetroPlan Orlando 2050 Metropolitan Transportation Plan (MTP) Multimodal Needs Dashboard

User Guide

September 2025

Disclaimer

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This user guide has been developed to assist with navigating the 2050 Metropolitan Transportation Plan (MTP) Multimodal Needs Dashboard. If you have questions about the 2050 MTP Multimodal Needs Dashboard, please contact us by email at Info@MetroPlanOrlando.gov or call us at (407) 481-5672. Likewise, if you are unable to access any part of this document, please notify us at Info@MetroPlanOrlando.gov so we can assist with a solution.

Background & Definitions

This interactive web-based map provides users a tool to view multimodal transportation needs for the region. These projects are a compilation of the multimodal travel needs which have been identified throughout Orange, Osceola, and Seminole Counties, and have been developed through a detailed planning process with feedback from local transportation partners.

The projects in the State Highway System (On-system) and Off-system Needs are organized by Needs List.

- The projects that are eligible for MPO Funding are included on the following needs lists:

    - Active Transportation: Includes projects pertaining to local and regional trails, on-street bicycle lanes, side paths, sidewalk improvements, and other related items.

    - Urban Corridor Improvements/Complete Streets: Includes non-capacity multimodal context-sensitive improvements that use a combination of bicycle and pedestrian, transit, and intersection solutions to improve traffic flow on constrained roadways without adding lanes.

    - High Injury Network (HIN) Countermeasures: Includes High Injury Network Countermeasure projects to improve safety, based on the projects identified in the Regional, County, and Local Safety Action Plans

    - TSMO / ITS: Includes projects pertaining to incident management, transportation demand management, signal retiming, and other related items.

- The projects that are not eligible for MPO Funding are included on the following needs lists:

    - FTE: Includes projects to be implemented by the Florida's Turnpike Enterprise

    - SHS: Includes projects located on the Florida State Highway System
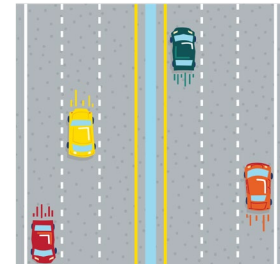
Background & Definitions

The Transit Needs includes regional transit projects to support capital, operations, and maintenance improvements to the public transit system, and are anticipated to be funded using other funding sources.

The Planning Consistency (PC) Needs includes non-state roadways that are not included on the federal aid network; typically, not functionally classified. These needs are documented for planning consistency, including:

- CFX: Includes projects located on the Central Florida Expressway toll facilities for planning consistency

- Orange County & Municipalities: Includes projects located within Orange County and its many municipalities for planning consistency

- Osceola County & Municipalities: Includes projects located within Osceola County and its many municipalities for planning consistency

- Seminole County & Municipalities: Includes projects located within Seminole County and its many municipalities for planning consistency
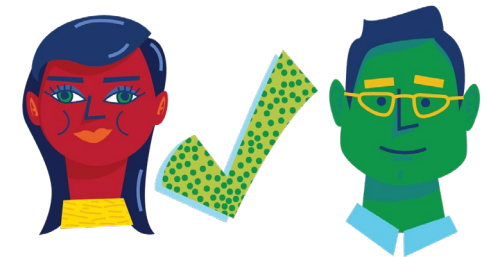
General Tool Tips

To navigate this interactive tool, the search widget (located at the top left of the screen) allows users to search through the full list of needs by project information (Roadway System, Needs List & Type, Jurisdiction, etc.), and allows to zoom to the specific need(s). The "Needs Details" window provides detailed project information to users. The "arrow" on the top right of the map window allows users to access a menu to reset the map view, show the legend, turn on/off layers for viewing, and change the basemap. Clicking the circular "reset" button in the bottom right corner of the viewer will reset the display, filters, and other selection to the original startup settings.

- Please allow a few seconds of time for the tool to load between clicks
- Make sure to select the appropriate needs list (using the Needs Lists filter at the bottom of each window) to ensure the information being displayed is consistent
- System display settings:
  - Set scale to 100% (recommended). Do not exceed 150%
  - Use recommended display resolution for your computer/device
- Bookmark the tool URL in your web browser for easy access

Link to Dashboard: 2050 MTP Multimodal Needs Dashboard

Tool Elements Overview

Project Filters

M⊙ 2050 MTP Multimodal Needs

Roadway System	Needs List SHS & Off	Needs List Transit	Needs List PC	Needs Type SHS & Off	Needs Type Transit	Needs Type PC	County	Jurisdiction	Maintaining Agency
Select System	Select Needs List	Select Needs List	Select Needs List	Select Needs Type	Select Needs Type	Select Needs Type	Select County	Select Jurisdiction	Select Agency

State Highway System & Off-System Needs List

🔍 Search...

State Highway System & Off-System Needs Map

State Highway System & Off-System Needs Map Legend

Search Widget Tool

◄ 1 of 1485 ►

State Highway System & Off-System Needs Details

MTP ID 2050	20,085
FEDERAL AID ELIGIBLE	Yes
SYSTEM	SHS (On-System)
NEEDS	
NEEDS	
ROAD NAME	US 192
PROJECT FROM	US 17/92 / John Young Pkwy
PROJECT TO	-
PROJECT LIMITS	US 192 at US 17/92 / John Young Pkwy
PROJECT DESCRIPTION	Evaluate intersection modifications including but not limited to tighter curb radii, adding pedestrian refuge islands, updated curb ramps, etc. in conjunction with signalization strategies at the intersection of US 192 at John Young Parkway.
PROJECT LENGTH	0.250
MAINTAINING AGENCY	FDOT
JURISDICTION	Kissimmee
COUNTY	Osceola
JURISDICTIONAL PRIORITY	High
PRIORITY METHOD TYPE	SHS
PRIORITY SCORE RAW	86.667
GOOGLE MAPS	View

Needs Details Window

Map Window Menu

MTP 2050 SHS & Off-System Needs
- Interstates
- SHS
- FTE
- HIN Countermeasures
- Urban Corridor Improvement Complete Streets
- Active Transportation
- TSMO / ITS

Map Legend

Facility: US 192
MTP 2050 ID: 20,085
County: Osceola

Facility: US 441
MTP 2050 ID: 45,210
County: Orange

Facility: US 441 / Orange Blossom Trl
MTP 2050 ID: 20,046
County: Orange

Facility: US 192
MTP 2050 ID: 20,084
County: Osceola

Facility: US 441 / Orange Blossom Trl
MTP 2050 ID: 20,433
County: Orange

Facility: US 192 / Vine St
MTP 2050 ID: 20,082
County: Osceola

Facility: US 441 / Orange Blossom Trl
MTP 2050 ID: 20,057
County: Orange / Osceola

Facility: US 441 / Main St
MTP 2050 ID: 20,114
County: Osceola

Facility: SR 436 / Semoran Blvd
MTP 2050 ID: 20,263
County: Orange

Facility: Lake Underhill Rd
MTP 2050 ID: 30,277
County: Orange

Facility: Pine Hills Rd
MTP 2050 ID: 45,119
County: Orange

Facility: US 441 / Orange Blossom Trl
MTP 2050 ID: 20,067
County: Orange

Facility: US 441 / Orange Blossom Trl
MTP 2050 ID: 20,031
County: Orange

Facility: US 17/92 / Space Coast Pkwy
MTP 2050 ID: 20,360
County: Osceola

Facility: SR 438 / Silver Star Rd
MTP 2050 ID: 20,241
County: Orange

Needs Lists Filter

10 km
10 mi

Esri, HERE, Garmin, USGS, NGA, EPA, USDA, NPS

Powered by Esri

| ◄ SHS & Off-System Needs ► | ◄ SHS & Off-System Needs ► | SHS & Off-System Needs | Transit Needs | Planning Consistency Needs | SHS & Off-System Needs |

Tool Functionality Overview

How to Filter Projects

Important Project Filter Tips

- To ensure information being displayed is consistent with your Needs List selection:

- ✓ It is important that you first switch to the appropriate Needs List category at the bottom of each window in the map viewer tool

- ✓ Project filters allow single or multi-selection - make sure you use the filters within the same Needs Category

    - Example: For SHS & Off System projects use the Needs List SHS & Off filter to select the project category and the Needs Type SHS & Off filter to filter by project type

- ✓ Project filters can be used individually or in any desired combination within the same Needs Category

How to Filter Projects

Use filters to view Needs by:

- Roadway System

Roadway System
Select System

- ☐ Off-System
- ☐ SHS (On-System)

Reset | Select all

- Needs List or Type

Needs List SHS & Off
Select Needs List

- ☐ Active Transportation
- ☐ FTE
- ☐ HIN Countermeasures
- ☐ Interstates
- ☐ SHS
- ☐ TSMO / ITS

Reset | Select all

Needs List Transit
Select Needs List

- ☐ Transit

Reset | Select all

Needs List PC
Select Needs List

- ☐ CFX
- ☐ Orange County & Municipalities
- ☐ Osceola County & Municipalities
- ☐ Seminole County & Municipalities

Reset | Select all

Needs Type SHS & Off
Select Needs Type

🔍 Search...

- ☐ Access Management
- ☐ Advanced ITS
- ☐ Bridge Widening/Replacement
- ☐ Capacity & Safety
- ☐ Communication
- ☐ CS (Reconstruction + Median)

Reset | Select all
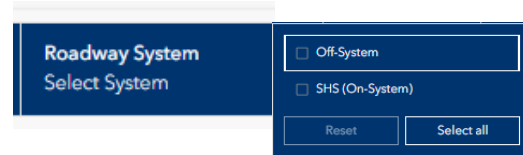
Needs Type Transit
Select Needs Type

- ☐ Bus rapid transit corridors with dedicated bus lanes for enhanced travel
- ☐ Community/Circulator Routes
- ☐ Enhanced Service Area
- ☐ Expanded Transit Center
- ☐ Express Routes Downtown

Reset | Select all

Needs Type PC
Select Needs Type
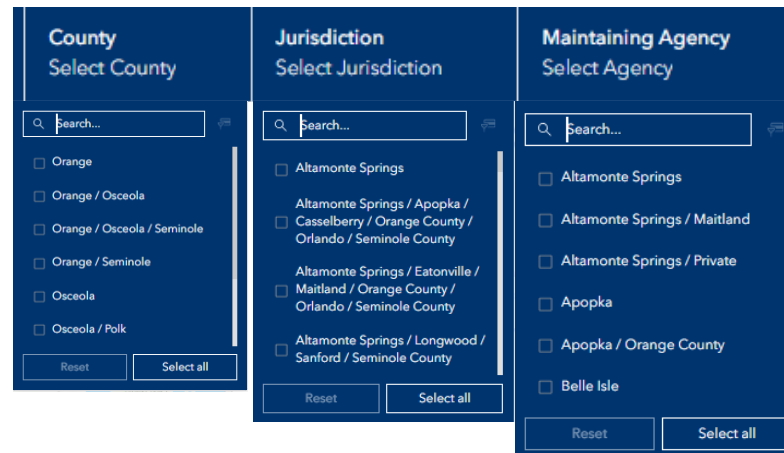
- ☐ Advanced ITS
- ☐ Bus rapid transit corridors with dedicated bus lanes for enhanced travel
- ☐ Capacity & Safety
- ☐ CS (Reconstruction + Median)
- ☐ CS (Sidewalks + Resurfacing)

Reset | Select all

- County, Jurisdiction or Maintaining Agency

County
Select County

🔍 Search...

- ☐ Orange
- ☐ Orange / Osceola
- ☐ Orange / Osceola / Seminole
- ☐ Orange / Seminole
- ☐ Osceola
- ☐ Osceola / Polk

Reset | Select all

Jurisdiction
Select Jurisdiction

🔍 Search...

- ☐ Altamonte Springs
- ☐ Altamonte Springs / Apopka / Casselberry / Orange County / Orlando / Seminole County
- ☐ Altamonte Springs / Eatonville / Maitland / Orange County / Orlando / Seminole County
- ☐ Altamonte Springs / Longwood / Sanford / Seminole County

Reset | Select all

Maintaining Agency
Select Agency

🔍 Search...

- ☐ Altamonte Springs
- ☐ Altamonte Springs / Maitland
- ☐ Altamonte Springs / Private
- ☐ Apopka
- ☐ Apopka / Orange County
- ☐ Belle Isle

Reset | Select all
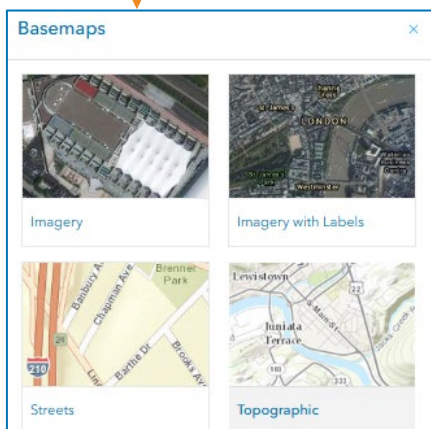
How to Navigate Interactive Map

- Enlarge the map to full screen by clicking the Expand ⊡ button in the upper right corner of the map

- Zoom in/out using the mouse wheel or the navigation buttons at the lower right of the map ⊞

- Click on a project to bring up the project details pop-up dialog box

- Click on More Tools ⌄ in upper right and then Expand « to get additional functionality

  ⌂ Initial view
  ⬙ Layers
  ⊞ Basemaps

- Click on Initial View ⌂ Initial view to zoom back to full initial map extent

- Click on Basemaps ⊞ Basemaps to change map background (e.g., from topographic base to aerial base)

Basemaps

Imagery

Imagery with Labels

Streets

Topographic

Example Projects Pop-Up

MTP 2050 Needs - All

⊕ Zoom to   ✛ Pan

MTP ID 2050	50,066
FEDERAL AID ELIGIBLE	No
SYSTEM	Off-System
NEEDS LIST	Active Transportation
NEEDS TYPE	New Shared Use Trail – 12'
ROAD NAME	Azalea Park Trail
PROJECT FROM	Avalon Trail
PROJECT TO	SR 50 / Colonial Dr
PROJECT LIMITS	Azalea Park Trail from Avalon Trail to SR 50 / Colonial Dr
PROJECT DESCRIPTION	Add shared use path and bike/ped infrastructure including safety markings, signage, crosswalks at busy intersections, seating, bike parking, and shade.
PROJECT LENGTH	12.313
MAINTAINING AGENCY	Orlando
JURISDICTION	Orange County / Orlando
COUNTY	Orange
JURISDICTIONAL PRIORITY	Low
PRIORITY METHOD TYPE	Active Transportation
PRIORITY SCORE RAW	56.667
GOOGLE MAPS	View

How to Navigate Interactive Map (cont.)

- Click on Layers [🗂 Layers] to open list of available map layers

- By default, only the MTP 2050 State Highway System & Off-System Needs layer color-coded by Needs Type is turned on

- Toggle layers on/off as desired using the Visibility [👁] buttons

- Other available layers are:
  - MTP 2050 Road Needs color-code by raw prioritization score
    - MTP 2050 raw project prioritization results
  - 2045 Evaluation Network color-coded by weighted score
    - MTP 2045 composite weighted project prioritization (weighted by goal area)
  - 2050 Evaluation Network color-coded by weighted score
    - MTP 2050 composite weighted project prioritization results (weighted by goal area)
  - State Highway System
    - Florida Department of Transportation (FDOT) roadways
    - Florida Turnpike Enterprise (FTE) roadways
    - Central Florida Expressway (CFX) roadways
  - Federal Aid Highway System
    - Roadways identified in the Federal Aid Highway System
  - City Limits

- Layers can be viewed individually, or multiple layers can be turned on at the same time

Map Layers

Layers	×
MTP 2050 SHS & Off-System Needs	
MTP 2050 Road Needs (Raw Score)	👁
Network Evaluation 2045 - Weighted	👁
Network Evaluation 2050 - Weighted	👁
State Highway System	👁
Federal Aid Highway System	👁
City Limits	👁
County Boundaries	
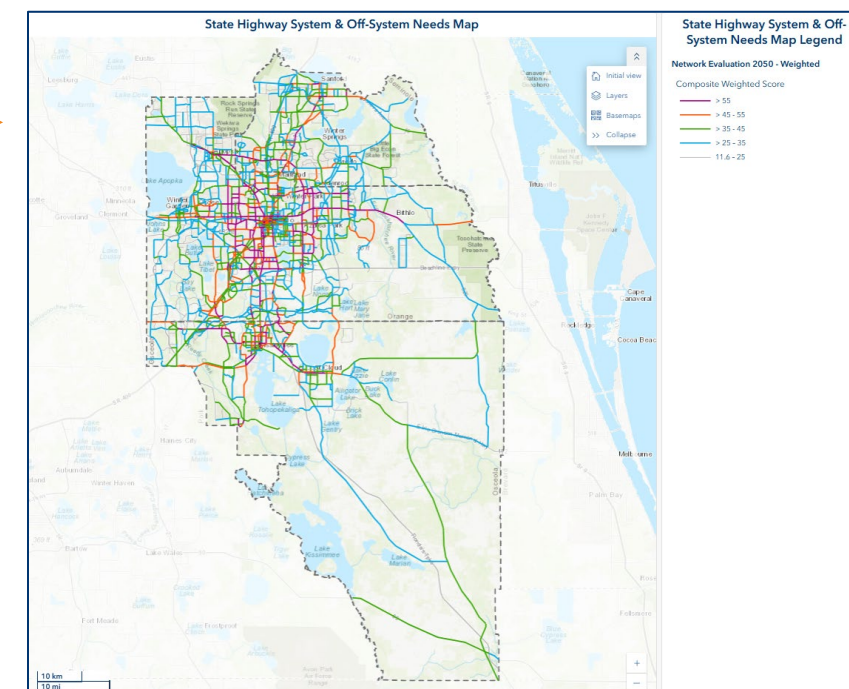
Example: Select Active Transportation Projects in Osceola County

2050 MTP Multimodal Needs

Roadway System	Needs List SHS & Off	Needs List Transit	Needs List PC	Needs Type SHS & Off	Needs Type Transit	Needs Type PC	County	Jurisdiction	Maintaining Agency
Select System	Active Transportation	Select Needs List	Select Needs List	Select Needs Type	Select Needs Type	Select Needs Type	Osceola	Select Jurisdiction	Select Agency

State Highway System & Off-System Needs List

- **Facility:** Carroll Street, Florida Parkway, Michigan Ave, Old Dixie Highway, Osceola Pkwy, SR 600 / CR 525 / John Young Pkwy
  MTP 2050 ID: 50,286
  County: Osceola
- **Facility:** Osceola Pkwy
- **Facility:** CR531/531A, Ham Brown Rd, Mercantile/Enterp
  MTP 2050 ID: 50,284
  County: Osceola
- **Facility:** Kissimmee Downtown Path Connector
  MTP 2050 ID: 50,045
  County: Osceola
- **Facility:** CR531/531A, Cypress Pkwy, Koa St / Doverplum Avenue, Marigold Ave
  MTP 2050 ID: 50,285
  County: Osceola
- **Facility:** Canoe Creek Rd
  MTP 2050 ID: 50,019
  County: Osceola
- **Facility:** Bill Beck Trail
  MTP 2050 ID: 50,034
  County: Osceola
- **Facility:** SunTrail segment along Neptune Rd
  MTP 2050 ID: 50,030
  County: Osceola
- **Facility:** Canoe Creek Rd
  MTP 2050 ID: 50,035
  County: Osceola
- **Facility:** Canoe Creek Rd
  MTP 2050 ID: 50,099
  County: Osceola
- **Facility:** Neo City Loop

State Highway System ... Details

MTP ID 2050	
FEDERAL AID ELIG	
SYSTEM	
NEEDS	
NE	Carroll Street, Florida Parkway, Michigan Ave, Old Dixie Highway, Osceola Pkwy, SR 600 / ... Pkwy
PROJECT DESCRIPTION	The following roadway segments are listed in the Osceola County ADA Transition Plan: Donegan Ave, Michigan Ave 1. Carroll St needs sidewalk along both sides of the roadway from Donegan Ave to Michigan Ave. 2. Old Dixie Hwy needs sidewalk along both sides of the roadway from Donegan Ave to just south of Osceola Pkwy. 3. Osceola Pwky needs sidewalk along both sides of the roadway from just east of John Young Pkwy to just east of Greenwalk Way, to the south of the roadway just before US 441, and on both sides of the roadway from S Orange Ave to Michigan Ave and from Bill Beck Blvd to Plumwood Cir. 4. Michigan Ave needs sidewalk to the east of the roadway from the intersection of Michigan Ave/Osceola Pkwy and Ridge St. 5. Florida Pkwy needs sidewalk to the east of the roadway from Osceola Pkwy to Parkway Middle School.
PROJECT LENGTH	5.524
MAINTAINING AGENCY	Osceola County
JURISDICTION	Osceola County
COUNTY	Osceola
JURISDICTIONAL PRIORITY	High
PRIORITY METHOD TYPE	School Mobility
PRIORITY SCORE RAW	71.250
GOOGLE MAPS	View

Needs List SHS & Off filter popup:
- ☑ Active Transportation
- ☐ FTE
- ☐ HIN Countermeasures
- ☐ Interstates
- ☐ SHS
- ☐ TSMO / ITS
- Reset / Select all

Needs Type SHS & Off filter popup:
- Search...
- ☑ New Shared Use Trail – 12'
- ☐ New Sidewalk – 5'
- ☐ New Trail Bridge / Tunnel
- Reset / Select all

County filter popup:
- Search...
- ☐ Orange
- ☐ Orange / Osceola
- ☑ Osceola
- ☐ Seminole
- Reset / Select all

...em & Off-System Needs Map

Layers / Basemaps / Collapse

State Highway System & Off-System Needs Map Legend

MTP 2050 SHS & Off-System Needs
- Interstates
- SHS
- FTE
- HIN Countermeasures
- Urban Corridor Improvements / Complete Streets
- Active Transportation
- TSMO / ITS

2 Set Needs List SHS & Off filter to "Active Transportation"

3 Set Needs List SHS & Off filter to desired project type as needed

4 Set County filter to "Osceola"

1 Make sure all windows are displaying SHS & Off System Needs

| SHS & Off-System Needs | SHS & Off-System Needs | SHS & Off-System Needs | Transit Needs | Planning Consistency Needs | SHS & Off-System Needs |

Example: Select Active Transportation Projects in Osceola County