

Data Sources for Transportation Asset Point VAST Input Values

The list below represents all spatial data layers the [Regional Planning Commission](#) referenced to assign input values per transportation point for the 2023 pilot vulnerability assessment. Input values were used to score degree of vulnerability in the US Department of Transportation's [Vulnerability Assessment Scoring Tool](#) (VAST). Reference layer values were assigned to the transportation points using Environmental Systems Research Institute, Inc. (ESRI) [Spatial Join](#) and [Extract Value to Point](#) ArcMap (v10.7) tools. Reference layers were chosen based on data availability and VAST indicators.

Louisiana Department of Transportation (LADOTD)

- [Parish Boundary](#) 2019
- [Federal Aid Network](#) 2018
- [Evacuation Routes](#) 2007
- Bridge locations 2022

Louisiana Division of Administration Office of State Lands (OSL)

- [State Water Bottoms](#) 2022

Louisiana Governor's Office of Homelands Security and Emergency Preparedness (LAGHOSEP)

- [Louisiana Evacuation Routes](#) 2016

Louisiana Oil Spill Coordination Office (LOSCO)

- Louisiana Statewide Lidar [Digital Elevation Models](#) (DEMs) 2000-2002
 - These files were only used in northern St. Tammany and Tangipahoa parishes which were outside the limits of the NOAA DEMs

United States Army Corps of Engineers (USACOE)

- [National Levee Database](#) 2022

United States Department of Agriculture (USDA)

- National Resources Conservation Service (NRCS) Soil Survey Geographic Database (SSURGO) [Soil Erodibility Index](#) 2023

United States Department of Homeland Security Geospatial Management Office

- [Hurricane Evacuation Routes](#) 2017

United States Department of Transportation and Development (USDOT)

- Federal Highway Administration (FHWA) [National Bridge Inventory](#) (NBI) 2022
 - Items 19 (Detour Length), 27 (Year Built), 43b (Moveable Bridge Type), 60 (Substructure Condition), 106 (Year Reconstructed), and 113 (Scour Critical)
 - RPC-created Bridge Age was calculated as current year (2023) minus Items 27 or 106 (if reconstructed)

United States Federal Emergency Management Agency (FEMA)

- National Flood Insurance Program (NFIP) [Flood Hazard Areas](#) 2022

United States National Oceanic and Atmospheric Administration (NOAA)

- [Digital Elevation Model](#) (DEM) 2022
- [Sea Level Rise](#) (SRL) 2022
- [Storm Surge](#) 2022