

README for `Broward Metropolitan Planning Organization SMART METRO`
Strengthening Mobility and Revolutionizing Transportation (SMART) Program, U.S.
Department of Transportation (USDOT)
`2026-03-12`

Links to Dataset

Dataset Archive Link:

https://amedeloitte.sharepoint.com/:b:/r/sites/Ext-BMPOMRDATAPhase0/Shared%20Documents/General/Deliverables/TWO%20No.4/Task%201/Submission/6-DMP_BMPO_69A3552441016_SMART_METRO_May%2018%202026.pdf?csf=1&web=1&e=7qyV5B

Data Management Plan DOI: <Insert DMPTool DOI Here from Finalize tab>

Summary of Dataset

`SMART METRO is a regional initiative focused on enhancing planning efforts in Broward by leveraging advanced systems integration. This forward-thinking program is designed to foster more comprehensive regional planning, bolster mobility, and strengthen the vital connections between jobs and housing for Broward's residents as population levels grow.

By leveraging data science, geospatial analytics, AI, and simulation, SMART METRO delivers actionable insights to address key regional challenges. Through its integrated digital twin platform, the program combines transportation, land use, demographic, and extreme weather data, enabling users to simulate real-world processes and planning scenarios. This approach supports more informed investment and planning decisions.

Through these analyses, the program provides a robust, data-driven decision-making platform, empowering Broward's stakeholders to evaluate and compare investment and urban planning strategies, ensuring that resources are allocated efficiently and effectively to positively impact Broward's residents both now and in the future.`

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A. General Information

****Title of Dataset:**** `Broward Metropolitan Planning Organization SMART METRO`

****Description of the Dataset:**** `This dataset includes the raw data (bronze), transformed data (diamond), transformation SQL logic, and PDF documents used by the BMPO SMART METRO application.`

****Dataset Archive Link:****

https://amedeloitte.sharepoint.com/:b:/r/sites/Ext-BMPOMRDATAPhase0/Shared%20Documents/General/Deliverables/TWO%20No.4/Task%201/Submission/6-DMP_BMPO_69A3552441016_SMART_METRO_May%2018%202026.pdf?csf=1&web=1&e=7qyV5B<Insert DOI Here>

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****Date of data collection and update interval:**** `January 1, 2025 - June 1, 2025`

****Geographic location of data collection:**** `Broward County, Florida`

****Information about funding sources that supported the collection of the data:****

`This dataset package was funded through the USDOT Strengthening Mobility and Revolutionizing Transportation (SMART) Program. The grant number for this project is: 69A3552441016`

B. Sharing/Access and Policies Information

****Recommended citation for the data:****

> `Riddle, Andrew` (`2025`). `Strengthening Mobility and Revolutionizing Transportation (SMART) Program.
`Strengthening Mobility and Revolutionizing Transportation (SMART) Program. <Insert DOI Here>

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not be made available.

****Was data derived from another source?:**** `Yes`

This document was created to meet the requirements enumerated in the U.S. Department of Transportation's `Plan to Increase Public Access to the Results of Federally-Funded Scientific Research Version 1.1` (<https://doi.org/10.21949/1520559>) and `guidelines suggested by the DOT Public Access website` (<https://doi.org/10.21949/1503647>), in effect and current as of December 03, 2020.

C. Data and Related Files Overview

File List for `pdf_data.zip`

- > 1. Filename: `pdf_data/BMPO_MTP_Report_OFFICIAL_DRAFT.pdf`
> Short Description: `The "Route to 2050" Metropolitan Transportation Plan (MTP) by the Broward Metropolitan Planning Organization (MPO) outlines a strategic vision to enhance Broward County's transportation system, emphasizing safety, resilience, and multisectoral collaboration, with \$9.2 billion in planned improvements by 2050. Building on the previous Commitment 2045 MTP, the plan promotes Smart City investments, electric vehicle infrastructure, and integrates future housing and transportation developments, fostering resilient communities while adhering to federal and state planning requirements.`

- > 2. Filename: `pdf_data/Broward_County_10_Year_Affordable_Housing_Plan.pdf`
> Short Description: `10-Year Affordable Housing Master Plan (hereinafter referred to as the "Master Plan") provides a critical policy framework for addressing Broward County's housing affordability crisis. The Master Plan's theme, "leading the challenge and sharing the burden" is intended to highlight the urgency of the affordable housing crisis and to sound a "call for action" to all 31 municipalities, leading industry sectors, lenders, and institutions to play key roles in addressing Broward's affordable housing needs now and for the foreseeable future.`

- > 3. Filename: `pdf_data/2022NeedsAssessment.pdf`
> Short Description: `The 2022 Needs Assessment by the Broward Housing Council highlights significant housing challenges in Broward County, including a shortage of affordable housing, rising rental prices, and barriers to homeownership. The county's population growth and stagnant median household income have exacerbated these issues, with many residents spending more than 30% of their income on housing. The assessment emphasizes the need for increased funding, supportive services, and policy initiatives to encourage affordable housing development. Recommendations include implementing inclusionary zoning, exploring new funding mechanisms, and enhancing community engagement to address the housing needs of low- and moderate-income households, as well as special populations such as seniors and veterans.`

- > 4. Filename:

- `pdf_data/Resilience_Plan_In_The_Making_-_Issue_10_-_September_2024B.pdf`
- > Short Description: `The "Resilience Plan in the Making - Issue 10" from September 2024 outlines Broward County's ongoing efforts to enhance community resilience against climate change and other environmental challenges. The plan focuses on infrastructure improvements, sustainable development, and community engagement to mitigate risks such as flooding, hurricanes, and sea-level rise. Key initiatives include upgrading stormwater management systems, promoting green building practices, and fostering partnerships with local organizations and stakeholders. The document emphasizes the importance of integrating resilience into all aspects of planning and development to ensure a sustainable and secure future for Broward County residents.`

 - > 5. Filename: `pdf_data/2020_Census_Summary.pdf`
 - > Short Description: `The 2020 Census data for Historic Miramar, Florida. The data includes information on population and housing as well as detailed data on age, sex, race, Hispanic origin, household and family type, relationship to householder, group quarters population, housing occupancy, and tenure.`

 - > 6. Filename: `pdf_data/At_Risk_Population.pdf`
 - > Short Description: `At-risk population statistics for Historic Miramar, Florida, based on data provided by Esri (2024, 2029) and ACS (2018-2022). Includes insights for at-risk populations, poverty and language data, and population and businesses.`

 - > 7. Filename: `pdf_data/Community_Change_Snapshot2_Esri_2024.pdf`
 - > Short Description: `Estimated and predicted population and housing unit counts and growth rates in Historic Miramar, Florida. Population and housing unit projections extend to 2028 and 2029, respectively.`

 - > 8. Filename: `pdf_data/CommunitySnapshot_Esri_2024.pdf`
 - > Short Description: `Estimated home value and mortgage statistics in Historic Miramar, Florida, in 2024. Population by generation, and trends including current population trend, home value trend, and housing year built trend lines.`

 - > 9. Filename: `pdf_data/Economic_Development_Profile.pdf`
 - > Short Description: `Workforce and community overviews of Historic Miramar, Florida, in 2024. Workforce overview includes labor force statistics by industry, total business and employee counts, and a breakdown of work transportation modes and commute times. Community overview includes home ownership vs renter occupied, income bracket data, home value numbers, and a breakdown of resident educational attainment. Additional Key facts include: total housing units, housing affordability index, households below the poverty level, median age, median disposable income, total population, wealth index, diversity index, and total crime index.`

 - > 10. Filename: `pdf_data/Employment_Overview.pdf`
 - > Short Description: `Key statistics on employee incomes, educational backgrounds, average commute times, education level and employment status in Historic Miramar, Florida, as of 2024. Additional key facts include total population and number of households, median age and disposable income.`

- > 11. Filename: `pdf_data/Housing_Market_Characteristics.pdf`
> Short Description: `Housing Market Characteristics include median home value, and % of income for mortgage. Home value, household income, mortgage as % of salary, and year property was built for homes in Historic Miramar, Florida, as of 2024. Additional information includes housing by race, age, year moved in, vacant housing units, and gross rent for Miramar, Florida, as of 2024.`

- > 12. Filename: `pdf_data/K-12_Education_Overview.pdf`
> Short Description: `K-12 education overview includes public and private school student enrollment (ACS), total population ages 5 to 18, households and enrollment (ACS), population without computer or internet (ACS), Average Household Educational Spending for the City of Miramar, Florida, as of 2024.`

- > 13. Filename: `pdf_data/Retail_Demand_by_Industry_Tabular.pdf`
> Short Description: `Retail demand by industry includes average and total spending by industry subsector and group in Historic Miramar, Florida, as of 2024.`

- > 14. Filename:
`pdf_data/The-Center-of-Population-for-Florida-and-Its-Counties.pdf`
> Short Description: `The Center of Population for Florida and Its Counties', published by the Bureau of Economic and Business Research (BEBR), examines the geographic center of population for the state of Florida and its individual counties. It provides an analysis of population shifts over time, highlighting trends in migration and demographic changes. The study utilizes census data to pinpoint the exact locations of these centers and discusses the implications for urban planning and resource allocation. Overall, the document offers valuable insights into the evolving population distribution patterns within Florida.`

- > 15. Filename: `pdf_data/spr_13.pdf`
> Short Description: `The Revised Estimates of Households and Average Household Size for Florida and Its Counties, 2010-2020 paper provides yearly household number and size estimates for each county in Florida through from 2010 through 2020. In the paper, authors from the Bureau of Economic and Business Research (BEBR) at the University of Florida explain their methodology for determining these estimates.`

- > 16. Filename: `pdf_data/FPS-200-2024-HH-PPH.pdf`
> Short Description: `The Households and Average Household Size in Florida: April 1, 2024 publication provides household number and size estimates for each county in Florida as of April 1, 2024. In the paper, authors from the Bureau of Economic and Business Research (BEBR) at the University of Florida explain their methodology for determining these estimates.`

- > 17. Filename: `pdf_data/estimates_2024.pdf`
> Short Description: `The Florida Estimates of Population 2024 publication provides population for each county in Florida as of April 1, 2024. In the paper, authors from the Bureau of Economic and Business Research (BEBR) at the University of Florida explain their methodology for determining these estimates.`

- > 18. Filename: `pdf_data/projections_2024_asrh.pdf`

> Short Description: `This publication provides 5-year population estimates broken down by age, sex, race, and Hispanic origin for each county in Florida through the year 2050. In the paper, authors from the Bureau of Economic and Business Research (BEBR) at the University of Florida explain their methodology for determining these projections.`

> 19. Filename: `pdf_data/Domestic-Migration-to-South-FL.pdf`
> Short Description: `Using data from the American Community Survey (ACS) and Internal Revenue Service (IRS), this paper analyzes migration flows, migration rates, and the income of migrants in South Florida.`

> 20. Filename: `pdf_data/projections_2024.pdf`
> Short Description: `The Projections of Florida Population by County, 2025-2050 provides 5-year population estimates for each county in Florida through the year 2050. In the paper, authors from the Bureau of Economic and Business Research (BEBR) at the University of Florida explain their methodology for determining these projections.`

> 21. Filename: `pdf_data/Drainage_Report-7-14-20.pdf`
> Short Description: `This report outlines the visual and written plans for the Historic Miramar Drainage Phase IV improvements, which were to be conducted on approximately 301.79 acres in the East Basin of the C-9 Canal overlapping Broward County and Miami Dade County. The project area was poorly drained, has no water quality treatment, and experienced nuisance flooding due to inadequate stormwater management facilities. The intent of the project was to 1) convert existing pavement to pervious pavement, 2) reintroduce grass swales within right of way for water quality improvement and groundwater recharge, 3) install additional drainage piping, and 4) install drainage piping with exfiltration trench to improve water quality and drainage system functionality.`

> 22. Filename: `pdf_data/Miramar_Wastewater_Master_Plan_-_Final.pdf`
> Short Description: `This 2024 Master Plan identifies wastewater capital improvements to meet the needs of the city of Miramar's service area through the planning period 2045. These capital improvements are based upon an analysis of the age and condition of the existing wastewater infrastructure and incorporate the results of an updated transmission system hydraulic model in consideration of the forecasted population growth during the planning period. Improvements are analyzed and recommended for the four primary operational components of the city's wastewater utility: the Wastewater Reclamation Facility (WWRF), lift stations, force mains, and gravity sewers.`

> 23. Filename: `pdf_data/20181220_BMPO_Equity_Assessment_Methodology.pdf`
> Short Description: `This report documents the methodology used to define equity areas in Broward County based on the concentration of populations protected under Title VI and other federal and state nondiscrimination authorities. Equity areas are defined by an equity score, which is calculated using a methodology contained in an Excel-based data analysis file ("Data Analysis File") described herein. The methodology used to develop the Data Analysis File has been reviewed and approved by the Broward MPO Working Group. The Working Group was established for the duration of this effort and consists of a diverse mix of staff responsible for

various MPO functions and core products, such as the Metropolitan Transportation Plan, Transportation Improvement Program, public outreach, data and information systems, etc.`

> 24. Filename: `pdf_data/20200901-equityassessmentfaqs.pdf`

> Short Description: `Frequently asked questions for the Equity Assessment and Title VI.`

> 25. Filename: `pdf_data/20220901-equityassessmentfactsheet.pdf`

> Short Description: `Equity Assessment Fact Sheet' by the Broward Metropolitan Planning Organization (MPO) outlines the key findings and objectives of their equity assessment. It focuses on identifying and addressing disparities in transportation access and infrastructure within Broward County. The fact sheet highlights the MPO's commitment to promoting equitable transportation solutions that benefit all community members, particularly underserved populations. It also details the methods and metrics used to evaluate equity and the strategic actions planned to enhance transportation equity in the region.`

> 26. Filename:

`pdf_data/Broward_MPO_Title_VI_Program_2023_Update_Final_Approved_06082023.pdf`

> Short Description: `Broward MPO's Title VI Program & Limited English Proficiency (LEP) Plan. This most recent update of the MPO's Title VI Program & LEP Plan was approved by the Broward MPO Board and submitted to the Federal Transit Administration (FTA) for review on June 13, 2023.`

> 27. Filename: `pdf_data/2020_2045_mailout.xlsx`

> Short Description: `Capacity and level of service numbers for road segments in Broward County. The data includes measured data for 2020 daily conditions and peak hour conditions along with predicted 2045 daily conditions and peak hour conditions.`

> 28. Filename:

`pdf_data/Description-of-Broward_Co-Resilience_Plan_RP_Modeling_Scenarios.xlsx`

> Short Description: `An overview of 32 Resilience Planning Scenarios in Broward County. Each scenario includes pre-set variables, which can be used as inputs for resiliency planning simulations.`

> 29. Filename: `pdf_data/December2024Ridership.pdf`

> Short Description: `A December 2024 ridership report for Broward County Transit services. The document provides ridership numbers across BRT routes in December 2024 and measures the data against ridership numbers from December 2023.`

> 30. Filename: `pdf_data/PREMOFinalSummaryReport.pdf`

> Short Description: `This document summarizes the process to build the Premium Mobility (PREMO) plan and the recommendations to implement premium transit across Broward County. Broward County Transit's (BCT) Premium Mobility Plan (PREMO) incorporates the goals of the Penny for Transportation Surtax Program. This program, referred to as the Broward Mobility Advancement Program (MAP Broward), provides funding support for improving transit service, enhancing multimodal options, and ensuring economic development and benefits. The Transportation Surtax

took effect on January 1, 2019.`

> 31. Filename: `pdf_data/SEFL_RCAP3_Final.1.pdf`

> Short Description: `Instituted in 2010, the Southeast Florida Regional Climate Change Compact (the Compact) established Southeast Florida as one of the nation's earliest leaders to conceive of and formalize a collaborative regional approach to address climate change. Undoubtedly, climate change poses an immense threat to the region. However, addressing climate change holds enormous promise to transform Southeast Florida into a more resilient, equitable, and thriving home for all. The RCAP supports collective efforts to seize this opportunity through recommended actions and interdependent strategies. It is a voluntary framework designed to align, guide, and support the acceleration of local and regional climate action in Southeast Florida toward a shared vision of a low-carbon, healthy, prosperous, more equitable, and more resilient region.`

> 32. Filename: `pdf_data/report_fdot_resilienceactionplan_final-main.pdf`

> Short Description: `The Resilience Action Plan examines the vulnerabilities of the State Highway System to flooding, storm surge, and other outside forces and identifies areas Florida can prioritize investments. This plan also identifies strategies for enhancing resilience in all aspects of how we plan, develop, design, construct, operate, and maintain the State Highway System. These strategies will help us apply the full range of our workforce, technology, and financial resources - as well as collaborate with our partners - to enhance the resilience of our existing system.`

> 33. Filename:

`pdf_data/Historic_Miramar_Drainage_Infrastructure_Improvements.pdf`

> Short Description: `The Historic Miramar Drainage Infrastructure Improvements Project is aimed at upgrading and improving the existing drainage infrastructure, underground utilities and roadway infrastructure, to alleviate flooding, and supporting the City's goal of enhancing the level of service for residents within the service area.`

> 34. Filename: `pdf_data/Final_2025_GAP_RFA.pdf`

> Short Description: `Affordable Housing GAP program approval criteria and best practices`

> 35. Filename: `pdf_data/16_-_PH_7A_-_PC_21-1_MITAC_-_Miramar_-_ADA.pdf`

> Short Description: `Broward Next Future Land Use Proposal for MITAC`

> 36. Filename: `pdf_data/17_-_PH_7B_-_PCT_21-1_MITAC_-_Miramar_-_ADA.pdf`

> Short Description: `Amendment to Broward Next Future Land Use Proposal for MITAC`

> 37. Filename: `pdf_data/Report_120820_Appendices.pdf`

> Short Description: `MITAC Traffic Study conducted by McMahon Associates for City of Miramar`

File List for `diamond_data.zip`

- > 1. Filename: `diamond_data/BCPA_PROPERTY_DATA_*.csv`
> Short Description: `Broward County Property Appraiser (BCPA) parcel locations and features, representing individual land parcels in Broward County`
- > 2. Filename: `diamond_data/Broward_County_Block_Groups_Tree_Equity_Health_Demographics_*.csv`
> Short Description: `Tree canopy coverage and tree equity data for census block groups in Broward County, Florida`
- > 3. Filename: `diamond_data/Broward_County_Cities_Boundary_*.csv`
> Short Description: `The boundary lines for cities in Broward County, Florida`
- > 4. Filename: `diamond_data/Broward_County_Data_2019_*.csv`
> Short Description: `The boundary line for the county of Broward County, Florida`
- > 5. Filename: `diamond_data/Broward_County_Flood_Zones_2024_*.csv`
> Short Description: `This table provides the current flood zoning designations for Broward County, effective as of July 31, 2024.`
- > 6. Filename: `diamond_data/Broward_County_Future_Land_Use_*.csv`
> Short Description: `The data set indicates the Broward County Land Use Plan designation for all parcels in Broward County`
- > 7. Filename: `diamond_data/Broward_County_Zoning_*.csv`
> Short Description: `This data layer represents the zoning district boundaries for municipalities (cities, towns, villages) in Broward County, FL`
- > 8. Filename: `diamond_data/Broward_Transit_Facilities_*.csv`
> Short Description: `Transit facility locations across Broward County`
- > 9. Filename: `diamond_data/Broward_Transit_Routes_*.csv`
> Short Description: `Broward County Transit (BCT) bus route and South Florida Regional Transportation Authority (SFRTA) Tri-Rail train route locations across the county`
- > 10. Filename: `diamond_data/Broward_Transit_Stops_*.csv`
> Short Description: `Broward County Transit (BCT) bus station and stop and South Florida Regional Transportation Authority (SFRTA) Tri-Rail train stop locations across the county`
- > 11. Filename: `diamond_data/Census_Block_Groups_2010_*.csv`
> Short Description: `The 2010 Census block groups in Broward county`
- > 12. Filename: `diamond_data/First_Street_Flood_Model_SSP126_*.csv`
> Short Description: `The First Street Flood Model (FS-FM) is a nationwide probabilistic flood model that shows the risk of flooding at any location in the continental US, Puerto Rico, Hawaii, as well as most of Alaska ...`
- > 13. Filename: `diamond_data/First_Street_Flood_Model_SSP245_*.csv`

- > Short Description: `The First Street Flood Model (FS-FM) is a nationwide probabilistic flood model that shows the risk of flooding at any location in the continental US, Puerto Rico, Hawaii, as well as most of Alaska ...`
- > 14. Filename: `diamond_data/First_Street_Flood_Model_SSP585_*.csv`
 - > Short Description: `The First Street Flood Model (FS-FM) is a nationwide probabilistic flood model that shows the risk of flooding at any location in the continental US, Puerto Rico, Hawaii, as well as most of Alaska ...`
- > 15. Filename: `diamond_data/First_Street_Heat_Model_*.csv`
 - > Short Description: `The First Street Extreme Heat Model estimates localized heat risk at a 30-meter resolution across the United States this year and 30 years into the future, creating a high-precision, climate-adjust...`
- > 16. Filename: `diamond_data/First_Street_Wind_Model_Historic_Events_*.csv`
 - > Short Description: `The First Street Wind Model Historic describes the relationship between properties and modeled recreations of winds in historic tropical cyclones`
- > 17. Filename: `diamond_data/First_Street_Wind_Model_SSP245_*.csv`
 - > Short Description: `The First Street Hurricane Wind Model (FS-WM) combines open data, open science, and engineering expertise to create a new hurricane wind model that assesses hyper-local climate wind risk across the...`
- > 18. Filename: `diamond_data/First_Street_Wind_Model_SSP585_*.csv`
 - > Short Description: `The First Street Hurricane Wind Model (FS-WM) combines open data, open science, and engineering expertise to create a new hurricane wind model that assesses hyper-local climate wind risk across the...`
- > 19. Filename: `diamond_data/Flood_Risk_Major_Transit_Hubs_*.csv`
 - > Short Description: `Flood risk areas for major transit hubs, including Fort Lauderdale-Hollywood International Airport and Port Everglades, in Broward County, Florida`
- > 20. Filename: `diamond_data/Flood_Risk_Public_Facilities_*.csv`
 - > Short Description: `Flood risk areas for public facilities, including parks, roads, hospitals, and libraries, in Broward County, Florida`
- > 21. Filename: `diamond_data/Flood_Risk_Sewage_Facilities_*.csv`
 - > Short Description: `Flood risk areas for sewage facilities, including lift stations and solid waste areas, in Broward County, Florida`
- > 22. Filename: `diamond_data/Flood_Risk_Transit_Facilities_*.csv`
 - > Short Description: `Flood risk areas for transit facilities in Broward County, Florida`
- > 23. Filename: `diamond_data/HFA_Bond_Assignments_*.csv`
 - > Short Description: `Housing Finance Authority (HFA) Bond Assignments for Broward County, Florida`

- > 24. Filename: `diamond_data/Highway_Vehicle_Trips_*.csv`
> Short Description: `Modelled vehicle trips for 2015 and projected vehicle trips for the year 2045 for roads in Florida, including Miami Dade, Palm Beach, and Broward County`
- > 25. Filename: `diamond_data/Historic_Miramar_Boundary_*.csv`
> Short Description: `The boundary line for the demarcation of the Historic Miramar neighborhood in the city of Miramar, Florida.`
- > 26. Filename: `diamond_data/Infrastructure_Risk_Index_Blocks_*.csv`
> Short Description: `A measure of the risk posed to infrastructure by climate factors, including land surface temperature and sea level rise`
- > 27. Filename: `diamond_data/Land_Surface_Temperature_*.csv`
> Short Description: `This table provides the land surface temperature across Broward County on 2022-01-24`
- > 28. Filename: `diamond_data/MITAC_District_Boundary_*.csv`
> Short Description: `The boundary line for the Miramar Innovation and Technology Activity Center (MITAC)`
- > 29. Filename: `diamond_data/MITAC_Proposed_Developments_Parcel_*.csv`
> Short Description: `The proposed locations for 7 Miramar Innovation and Technology Activity Center (MITAC) development projects`
- > 30. Filename: `diamond_data/Miramar_Development_Projects_2024_Parcel_*.csv`
> Short Description: `Historic Miramar Redevelopment project activity for 8 projects in 2024`
- > 31. Filename: `diamond_data/Miramar_Fire_Hydrants_*.csv`
> Short Description: `Fire hydrant locations in the city of Miramar, Florida.`
- > 32. Filename: `diamond_data/Miramar_Future_Land_Use_*.csv`
> Short Description: `The breakdown of future land use in the city of Miramar, Florida, based on the City of Miramar Comprehensive Plan`
- > 33. Filename: `diamond_data/Miramar_Gravity_Sewer_System_*.csv`
> Short Description: `Gravity sewer system lines in the city of Miramar, Florida, including lift stations, utility boundary lines, basin locations, forcemain and valve locations, lateral lines, and manhole locations`
- > 34. Filename: `diamond_data/Miramar_Lift_Stations_*.csv`
> Short Description: `The locations and types of 21 lift stations in the city of Miramar, Florida`
- > 35. Filename: `diamond_data/Miramar_Storm_Drainage_Lines_*.csv`
> Short Description: `The locations and types of drain lines in the city of Miramar, Florida`
- > 36. Filename: `diamond_data/Miramar_Streets_*.csv`

- > Short Description: `Geographic locations for all streets in the city of Miramar, Florida`
- > 37. Filename: `diamond_data/Miramar_Water_Lines_*.csv`
 - > Short Description: `The locations, types, and dimensions of water line segments in the city of Miramar, Florida.`
- > 38. Filename: `diamond_data/Miramar_Water_Storage_*.csv`
 - > Short Description: `The location and water storage capacity of the East Water Treatment Plant in the city of Miramar, Florida`
- > 39. Filename: `diamond_data/NOAA_Sea_Level_Rise_*.csv`
 - > Short Description: `The projected impact of sea level rise on Broward County based on NOAA projections`
- > 40. Filename: `diamond_data/PREMO_Projects_*.csv`
 - > Short Description: `Locations for transit projects which are part of the Broward Premium Mobility Plan (PREMO)`
- > 41. Filename: `diamond_data/TOC_Boundary_*.csv`
 - > Short Description: `The boundary of the Transit Oriented Corridor in the Historic Miramar neighborhood in the city of Miramar, Florida`
- > 42. Filename: `diamond_data/TOC_Proposed_Parcel_*.csv`
 - > Short Description: `The proposed locations for 7 Transit Oriented Corridor development projects in the Historic Miramar neighborhood in the city of Miramar, Florida`
- > 43. Filename: `diamond_data/UrbanSim_Baseline_Scenario_*.csv`
 - > Short Description: `The baseline simulation outputs from UrbanSim for Broward County, Florida`

File List for `bronze_data.zip`

- > 1. Filename: `bronze_data/Airport_FLL_ExbA_clp_IntLow40_*.csv`
 - > Short Description: `Raw data export for Airport_FLL_ExbA_clp_IntLow40.`
- > 2. Filename: `bronze_data/Airport_FLL_ExbA_clp_intHi70_erse_objID10_*.csv`
 - > Short Description: `Raw data export for Airport_FLL_ExbA_clp_intHi70_erse_objID10.`
- > 3. Filename: `bronze_data/Airport_FLL_ExbA_clp_intLow70_*.csv`
 - > Short Description: `Raw data export for Airport_FLL_ExbA_clp_intLow70.`
- > 4. Filename: `bronze_data/Airport_FLL_ExbA_clp_inthi40_*.csv`
 - > Short Description: `Raw data export for Airport_FLL_ExbA_clp_inthi40.`
- > 5. Filename: `bronze_data/B1BuisnessDist_ExportFeature_*.csv`
 - > Short Description: `Raw data export for B1BuisnessDist_ExportFeature.`

- > 6. Filename: `bronze_data/BCPA_GIS_LABEL_changed_*.csv`
> Short Description: `Raw data export for BCPA_GIS_LABEL_changed.`
- > 7. Filename: `bronze_data/BCPA_GIS_POLYGON_*.csv`
> Short Description: `Raw data export for BCPA_GIS_POLYGON.`
- > 8. Filename: `bronze_data/BCPA_TAX_ROLL_changed_*.csv`
> Short Description: `Raw data export for BCPA_TAX_ROLL_changed.`
- > 9. Filename: `bronze_data/BCT_Bus_stps_intrsct_IntHi70_*.csv`
> Short Description: `Raw data export for BCT_Bus_stps_intrsct_IntHi70.`
- > 10. Filename: `bronze_data/BCT_Transit_facilty_clp_intHi40_*.csv`
> Short Description: `Raw data export for BCT_Transit_facilty_clp_intHi40.`
- > 11. Filename: `bronze_data/BCT_Transit_facilty_clp_intHi70_*.csv`
> Short Description: `Raw data export for BCT_Transit_facilty_clp_intHi70.`
- > 12. Filename: `bronze_data/BCT_Transit_facilty_clp_intLow40_*.csv`
> Short Description: `Raw data export for BCT_Transit_facilty_clp_intLow40.`
- > 13. Filename: `bronze_data/BCT_Transit_facilty_clp_intLow70_*.csv`
> Short Description: `Raw data export for BCT_Transit_facilty_clp_intLow70.`
- > 14. Filename: `bronze_data/BC_NOAA_1_POINT_1_SLR_*.csv`
> Short Description: `Raw data export for BC_NOAA_1_POINT_1_SLR.`
- > 15. Filename: `bronze_data/BC_NOAA_1_POINT_4_SLR_*.csv`
> Short Description: `Raw data export for BC_NOAA_1_POINT_4_SLR.`
- > 16. Filename: `bronze_data/BC_NOAA_2_POINT_3_SLR_*.csv`
> Short Description: `Raw data export for BC_NOAA_2_POINT_3_SLR.`
- > 17. Filename: `bronze_data/BC_NOAA_3_POINT_4_SLR_*.csv`
> Short Description: `Raw data export for BC_NOAA_3_POINT_4_SLR.`
- > 18. Filename: `bronze_data/BC_NOAA_4_POINT_6_SLR_*.csv`
> Short Description: `Raw data export for BC_NOAA_4_POINT_6_SLR.`
- > 19. Filename: `bronze_data/BC_NOAA_5_POINT_4_SLR_*.csv`
> Short Description: `Raw data export for BC_NOAA_5_POINT_4_SLR.`
- > 20. Filename: `bronze_data/BC_NOAA_INT_HIGH_2070_INUNDATION_MODELLED_*.csv`
> Short Description: `Raw data export for
BC_NOAA_INT_HIGH_2070_INUNDATION_MODELLED.`
- > 21. Filename: `bronze_data/Broward_County_Cities_*.csv`
> Short Description: `Raw data export for Broward_County_Cities.`
- > 22. Filename: `bronze_data/Broward_County_Drainage_Districts_*.csv`

- > Short Description: `Raw data export for Broward_County_Drainage_Districts.`
- > 23. Filename: `bronze_data/Broward_County_Flood_Zones_2024_*.csv`
- > Short Description: `Raw data export for Broward_County_Flood_Zones_2024.`
- > 24. Filename: `bronze_data/Broward_County_Future_Land_Use_*.csv`
- > Short Description: `Raw data export for Broward_County_Future_Land_Use.`
- > 25. Filename: `bronze_data/Broward_County_Unincorporated_Zoning_*.csv`
- > Short Description: `Raw data export for Broward_County_Unincorporated_Zoning.`
- > 26. Filename: `bronze_data/Broward_Municipal_Service_District_Zoning_*.csv`
- > Short Description: `Raw data export for
Broward_Municipal_Service_District_Zoning.`
- > 27. Filename: `bronze_data/CSX_prcl_clp_IntHi40_*.csv`
- > Short Description: `Raw data export for CSX_prcl_clp_IntHi40.`
- > 28. Filename: `bronze_data/CSX_prcl_clp_IntHi70_*.csv`
- > Short Description: `Raw data export for CSX_prcl_clp_IntHi70.`
- > 29. Filename: `bronze_data/CSX_prcl_clp_IntLow40_*.csv`
- > Short Description: `Raw data export for CSX_prcl_clp_IntLow40.`
- > 30. Filename: `bronze_data/CSX_prcl_clp_IntLow70_*.csv`
- > Short Description: `Raw data export for CSX_prcl_clp_IntLow70.`
- > 31. Filename: `bronze_data/Census_Block_Groups_2010_*.csv`
- > Short Description: `Raw data export for Census_Block_Groups_2010.`
- > 32. Filename: `bronze_data/Coconut_Creek_Zoning_*.csv`
- > Short Description: `Raw data export for Coconut_Creek_Zoning.`
- > 33. Filename: `bronze_data/Comb_HWYLOAD_F2045_*.csv`
- > Short Description: `Raw data export for Comb_HWYLOAD_F2045.`
- > 34. Filename: `bronze_data/Comb_HWYLOAD_R2015_*.csv`
- > Short Description: `Raw data export for Comb_HWYLOAD_R2015.`
- > 35. Filename: `bronze_data/Coral_Springs_Zoning_*.csv`
- > Short Description: `Raw data export for Coral_Springs_Zoning.`
- > 36. Filename: `bronze_data/DFB_Zoning_240826_*.csv`
- > Short Description: `Raw data export for DFB_Zoning_240826.`
- > 37. Filename: `bronze_data/Districts_*.csv`
- > Short Description: `Raw data export for Districts.`
- > 38. Filename: `bronze_data/FEC_prcl_clp_IntHi40_*.csv`
- > Short Description: `Raw data export for FEC_prcl_clp_IntHi40.`

- > 39. Filename: `bronze_data/FEC_prcl_clp_IntHi70_*.csv`
> Short Description: `Raw data export for FEC_prcl_clp_IntHi70.`
- > 40. Filename: `bronze_data/FEC_prcl_clp_IntLow40_*.csv`
> Short Description: `Raw data export for FEC_prcl_clp_IntLow40.`
- > 41. Filename: `bronze_data/FEC_prcl_clp_IntLow70_*.csv`
> Short Description: `Raw data export for FEC_prcl_clp_IntLow70.`
- > 42. Filename: `bronze_data/February_18th_1996_prj_poly_*.csv`
> Short Description: `Raw data export for February_18th_1996_prj_poly.`
- > 43. Filename: `bronze_data/February_5th_2009_prj_poly_*.csv`
> Short Description: `Raw data export for February_5th_2009_prj_poly.`
- > 44. Filename: `bronze_data/Fire_Hydrants_*.csv`
> Short Description: `Raw data export for Fire_Hydrants.`
- > 45. Filename: `bronze_data/GTFS_routes_*.csv`
> Short Description: `Raw data export for GTFS_routes.`
- > 46. Filename: `bronze_data/GTFS_stops_*.csv`
> Short Description: `Raw data export for GTFS_stops.`
- > 47. Filename: `bronze_data/Gravity_Sewer_*.csv`
> Short Description: `Raw data export for Gravity_Sewer.`
- > 48. Filename: `bronze_data/HFABondAssignments_*.csv`
> Short Description: `Raw data export for HFABondAssignments.`
- > 49. Filename: `bronze_data/HM_DevActivity2024_*.csv`
> Short Description: `Raw data export for HM_DevActivity2024.`
- > 50. Filename: `bronze_data/Hallandale_Beach_zoning_*.csv`
> Short Description: `Raw data export for Hallandale_Beach_zoning.`
- > 51. Filename: `bronze_data/HistoricMiramar_Boundary_*.csv`
> Short Description: `Raw data export for HistoricMiramar_Boundary.`
- > 52. Filename: `bronze_data/Hospitals_clp_inthi70_*.csv`
> Short Description: `Raw data export for Hospitals_clp_inthi70.`
- > 53. Filename: `bronze_data/HousingCount_MedGrossRent2022_*.csv`
> Short Description: `Raw data export for HousingCount_MedGrossRent2022.`
- > 54. Filename: `bronze_data/January_12th_2000_prj_poly_*.csv`
> Short Description: `Raw data export for January_12th_2000_prj_poly.`
- > 55. Filename: `bronze_data/January_19th_2020_prj_poly_*.csv`

- > Short Description: `Raw data export for January_19th_2020_prj_poly.`
- > 56. Filename: `bronze_data/January_24th_1987_prj_poly_*.csv`
- > Short Description: `Raw data export for January_24th_1987_prj_poly.`
- > 57. Filename: `bronze_data/January_24th_2016_prj_poly_*.csv`
- > Short Description: `Raw data export for January_24th_2016_prj_poly.`
- > 58. Filename: `bronze_data/January_24th_2022_prj_poly_*.csv`
- > Short Description: `Raw data export for January_24th_2022_prj_poly.`
- > 59. Filename: `bronze_data/January_25th_2005_*.csv`
- > Short Description: `Raw data export for January_25th_2005.`
- > 60. Filename: `bronze_data/Justice40_Tracts_May_2022_*.csv`
- > Short Description: `Raw data export for Justice40_Tracts_May_2022.`
- > 61. Filename: `bronze_data/LauderhillZoning2024_*.csv`
- > Short Description: `Raw data export for LauderhillZoning2024.`
- > 62. Filename: `bronze_data/Libraries_clp_inthi70_*.csv`
- > Short Description: `Raw data export for Libraries_clp_inthi70.`
- > 63. Filename: `bronze_data/Lift_Stations_*.csv`
- > Short Description: `Raw data export for Lift_Stations.`
- > 64. Filename: `bronze_data/MITAC_DistrictBndry_*.csv`
- > Short Description: `Raw data export for MITAC_DistrictBndry.`
- > 65. Filename: `bronze_data/MITAC_Proposed_*.csv`
- > Short Description: `Raw data export for MITAC_Proposed.`
- > 66. Filename: `bronze_data/Major_roads_IntLow40_*.csv`
- > Short Description: `Raw data export for Major_roads_IntLow40.`
- > 67. Filename: `bronze_data/Major_roads_IntLow70_*.csv`
- > Short Description: `Raw data export for Major_roads_IntLow70.`
- > 68. Filename: `bronze_data/Major_roads_Inthi40_*.csv`
- > Short Description: `Raw data export for Major_roads_Inthi40.`
- > 69. Filename: `bronze_data/Major_roads_Inthi70_*.csv`
- > Short Description: `Raw data export for Major_roads_Inthi70.`
- > 70. Filename: `bronze_data/Marinas_prcl_clp_IntHi40_*.csv`
- > Short Description: `Raw data export for Marinas_prcl_clp_IntHi40.`
- > 71. Filename: `bronze_data/Marinas_prcl_clp_IntHi70_*.csv`
- > Short Description: `Raw data export for Marinas_prcl_clp_IntHi70.`

- > 72. Filename: `bronze_data/Marinas_prcl_clp_IntLow40_*.csv`
> Short Description: `Raw data export for Marinas_prcl_clp_IntLow40.`
- > 73. Filename: `bronze_data/Marinas_prcl_clp_IntLow70_*.csv`
> Short Description: `Raw data export for Marinas_prcl_clp_IntLow70.`
- > 74. Filename: `bronze_data/MiramarFutureLandUse_*.csv`
> Short Description: `Raw data export for MiramarFutureLandUse.`
- > 75. Filename: `bronze_data/MiramarStreets_*.csv`
> Short Description: `Raw data export for MiramarStreets.`
- > 76. Filename: `bronze_data/Miramar_ZoningDistricts_*.csv`
> Short Description: `Raw data export for Miramar_ZoningDistricts.`
- > 77. Filename: `bronze_data/NTAD_Means_of_Transportation_to_Work_*.csv`
> Short Description: `Raw data export for NTAD_Means_of_Transportation_to_Work.`
- > 78. Filename: `bronze_data/North_Lauderdale_ZoningDistrict_*.csv`
> Short Description: `Raw data export for North_Lauderdale_ZoningDistrict.`
- > 79. Filename: `bronze_data/Oakland_Park_Zoning_*.csv`
> Short Description: `Raw data export for Oakland_Park_Zoning.`
- > 80. Filename: `bronze_data/Oct_11th_2006_prj_poly_*.csv`
> Short Description: `Raw data export for Oct_11th_2006_prj_poly.`
- > 81. Filename: `bronze_data/Oct_17th_2014_prj_poly_*.csv`
> Short Description: `Raw data export for Oct_17th_2014_prj_poly.`
- > 82. Filename: `bronze_data/Oct_19th_2009_prj_poly_*.csv`
> Short Description: `Raw data export for Oct_19th_2009_prj_poly.`
- > 83. Filename: `bronze_data/Oct_22nd_2016_prj_poly_*.csv`
> Short Description: `Raw data export for Oct_22nd_2016_prj_poly.`
- > 84. Filename: `bronze_data/Park_and_Ride_Lots_*.csv`
> Short Description: `Raw data export for Park_and_Ride_Lots.`
- > 85. Filename: `bronze_data/Parks_BC_clp_inthi40_*.csv`
> Short Description: `Raw data export for Parks_BC_clp_inthi40.`
- > 86. Filename: `bronze_data/Parks_BC_clp_inthi70_*.csv`
> Short Description: `Raw data export for Parks_BC_clp_inthi70.`
- > 87. Filename: `bronze_data/Parks_BC_clp_intlow40_*.csv`
> Short Description: `Raw data export for Parks_BC_clp_intlow40.`
- > 88. Filename: `bronze_data/Parks_BC_clp_intlow70_*.csv`
> Short Description: `Raw data export for Parks_BC_clp_intlow70.`

- > 89. Filename: `bronze_data/PortEverglades_clp_IntHi40_*.csv`
> Short Description: `Raw data export for PortEverglades_clp_IntHi40.`
- > 90. Filename: `bronze_data/PortEverglades_clp_IntHi70_*.csv`
> Short Description: `Raw data export for PortEverglades_clp_IntHi70.`
- > 91. Filename: `bronze_data/PortEverglades_clp_IntLow40_*.csv`
> Short Description: `Raw data export for PortEverglades_clp_IntLow40.`
- > 92. Filename: `bronze_data/PortEverglades_clp_IntLow70_*.csv`
> Short Description: `Raw data export for PortEverglades_clp_IntLow70.`
- > 93. Filename: `bronze_data/Rail_Station_clp_IntHi70_*.csv`
> Short Description: `Raw data export for Rail_Station_clp_IntHi70.`
- > 94. Filename: `bronze_data/Rail_Station_clp_IntLow70_*.csv`
> Short Description: `Raw data export for Rail_Station_clp_IntLow70.`
- > 95. Filename: `bronze_data/Raw_Water_Fittings_*.csv`
> Short Description: `Raw data export for Raw_Water_Fittings.`
- > 96. Filename: `bronze_data/Raw_Water_Lines_*.csv`
> Short Description: `Raw data export for Raw_Water_Lines.`
- > 97. Filename: `bronze_data/Raw_Water_Valves_*.csv`
> Short Description: `Raw data export for Raw_Water_Valves.`
- > 98. Filename: `bronze_data/Raw_Water_Wells_*.csv`
> Short Description: `Raw data export for Raw_Water_Wells.`
- > 99. Filename: `bronze_data/SWRZoning_*.csv`
> Short Description: `Raw data export for SWRZoning.`
- > 100. Filename: `bronze_data/Sewer_Basins_*.csv`
> Short Description: `Raw data export for Sewer_Basins.`
- > 101. Filename: `bronze_data/Sewer_Forcemain_*.csv`
> Short Description: `Raw data export for Sewer_Forcemain.`
- > 102. Filename: `bronze_data/Sewer_Laterals_*.csv`
> Short Description: `Raw data export for Sewer_Laterals.`
- > 103. Filename: `bronze_data/Sewer_Manholes_*.csv`
> Short Description: `Raw data export for Sewer_Manholes.`
- > 104. Filename: `bronze_data/Sewer_Utility_Boundary_*.csv`
> Short Description: `Raw data export for Sewer_Utility_Boundary.`
- > 105. Filename: `bronze_data/SolidWaste_BC_clp_IntHi70_*.csv`

- > Short Description: `Raw data export for SolidWaste_BC_clp_IntHi70.`
- > 106. Filename: `bronze_data/Storm_Drain_CatchBasins_*.csv`
- > Short Description: `Raw data export for Storm_Drain_CatchBasins.`
- > 107. Filename: `bronze_data/Storm_Drain_Headwall_*.csv`
- > Short Description: `Raw data export for Storm_Drain_Headwall.`
- > 108. Filename: `bronze_data/Storm_Drain_Lines_*.csv`
- > Short Description: `Raw data export for Storm_Drain_Lines.`
- > 109. Filename: `bronze_data/Storm_Drain_Manhole_*.csv`
- > Short Description: `Raw data export for Storm_Drain_Manhole.`
- > 110. Filename: `bronze_data/Storm_Drain_Node_*.csv`
- > Short Description: `Raw data export for Storm_Drain_Node.`
- > 111. Filename: `bronze_data/SunriseZoning20250124_*.csv`
- > Short Description: `Raw data export for SunriseZoning20250124.`
- > 112. Filename: `bronze_data/TOC_Boundary_*.csv`
- > Short Description: `Raw data export for TOC_Boundary.`
- > 113. Filename: `bronze_data/TOC_Proposed_*.csv`
- > Short Description: `Raw data export for TOC_Proposed.`
- > 114. Filename: `bronze_data/UrbanSim_Baseline_Scenario_*.csv`
- > Short Description: `Raw data export for UrbanSim_Baseline_Scenario.`
- > 115. Filename: `bronze_data/UrbanSim_Results_Sample_*.csv`
- > Short Description: `Raw data export for UrbanSim_Results_Sample.`
- > 116. Filename: `bronze_data/Water_Fittings_*.csv`
- > Short Description: `Raw data export for Water_Fittings.`
- > 117. Filename: `bronze_data/Water_Interconnection_*.csv`
- > Short Description: `Raw data export for Water_Interconnection.`
- > 118. Filename: `bronze_data/Water_Meters_*.csv`
- > Short Description: `Raw data export for Water_Meters.`
- > 119. Filename: `bronze_data/Water_Service_Lines_*.csv`
- > Short Description: `Raw data export for Water_Service_Lines.`
- > 120. Filename: `bronze_data/Water_Storage_*.csv`
- > Short Description: `Raw data export for Water_Storage.`
- > 121. Filename: `bronze_data/Water_Utility_Boundary_*.csv`
- > Short Description: `Raw data export for Water_Utility_Boundary.`

- > 122. Filename: `bronze_data/Water_Valves_*.csv`
> Short Description: `Raw data export for Water_Valves.`
- > 123. Filename: `bronze_data/West_Park_Zoning_*.csv`
> Short Description: `Raw data export for West_Park_Zoning.`
- > 124. Filename: `bronze_data/Weston_Zoning_*.csv`
> Short Description: `Raw data export for Weston_Zoning.`
- > 125. Filename: `bronze_data/Zoning_*.csv`
> Short Description: `Raw data export for Zoning.`
- > 126. Filename: `bronze_data/ZoningDistricts20240124_*.csv`
> Short Description: `Raw data export for ZoningDistricts20240124.`
- > 127. Filename: `bronze_data/af_trav_*.csv`
> Short Description: `Raw data export for af_trav.`
- > 128. Filename: `bronze_data/am_trav_*.csv`
> Short Description: `Raw data export for am_trav.`
- > 129. Filename: `bronze_data/fl_*.csv`
> Short Description: `Raw data export for fl.`
- > 130. Filename: `bronze_data/fs_flood_ssp126_broward_fl_*.csv`
> Short Description: `Raw data export for fs_flood_ssp126_broward_fl.`
- > 131. Filename: `bronze_data/fs_flood_ssp245_broward_fl_*.csv`
> Short Description: `Raw data export for fs_flood_ssp245_broward_fl.`
- > 132. Filename: `bronze_data/fs_flood_ssp585_broward_fl_*.csv`
> Short Description: `Raw data export for fs_flood_ssp585_broward_fl.`
- > 133. Filename: `bronze_data/fs_heat_broward_fl_*.csv`
> Short Description: `Raw data export for fs_heat_broward_fl.`
- > 134. Filename: `bronze_data/fs_wind_historic_broward_fl_*.csv`
> Short Description: `Raw data export for fs_wind_historic_broward_fl.`
- > 135. Filename: `bronze_data/fs_wind_ssp245_broward_fl_*.csv`
> Short Description: `Raw data export for fs_wind_ssp245_broward_fl.`
- > 136. Filename: `bronze_data/fs_wind_ssp585_broward_fl_*.csv`
> Short Description: `Raw data export for fs_wind_ssp585_broward_fl.`
- > 137. Filename: `bronze_data/pm_trav_*.csv`
> Short Description: `Raw data export for pm_trav.`
- > 138. Filename: `bronze_data/premo_projects_*.csv`
> Short Description: `Raw data export for premo_projects.`

- > 139. Filename: `bronze_data/tl_2019_us_county_*.csv`
- > Short Description: `Raw data export for tl_2019_us_county.`

- > 140. Filename: `bronze_data/tri_rail_routes_*.csv`
- > Short Description: `Raw data export for tri_rail_routes.`

- > 141. Filename: `bronze_data/tri_rail_stops_*.csv`
- > Short Description: `Raw data export for tri_rail_stops.`

- > 142. Filename: `bronze_data/zoning_*.csv`
- > Short Description: `Raw data export for zoning.`

D. Methodological Information

Description of methods used for collection/generation of data:

- > The SMART METRO prototype was then developed using Agile methodology for flexibility, rapid delivery, and continuous improvement. The Agile approach allowed for platform development to occur iteratively, prioritizing features based on their value to the project.
- > Key principles of Agile methodology include:
 - > Iterative Development: The process included breaking down the project into smaller, manageable parts and developing them in cycles. This approach allowed for change adaptation and continuous improvement.
 - > Prioritization: Features and capabilities were prioritized based on their value. It allowed the most critical functionalities to be developed first. These included a data management structure, analytics capabilities, and a simulation component.
 - > Stakeholder Involvement: Regular feedback from stakeholders was crucial. Frequent review sessions with regional and national stakeholders furthered alignment with future vision and requirements. Training was also conducted in a phased approach with an emphasis on Human-in-the-Loop (HIL) methodology.
 - > Continuous Improvement: The process included continuous improvement through regular user feedback loops, optimizing the flow of work and enhancing efficiency.
- > SMART METRO was built under a two-week sprint cycle, facilitating ongoing development, testing, and refinement. User testing incorporated feedback from BMPO, Broward County, and the City of Miramar, and will continue as the project advances to the next stage. During this period, project staff set up the Google Cloud Platform (GCP) environment, and began collecting and configuring data. Initial data acquisition incorporated land use datasets from Broward's 31 municipalities, flood prediction outputs from Broward County's MIKE hydrodynamic model, BMPO's travel demand model results, and other relevant sources. For each data need, BMPO prioritized the most current available datasets and enforced strict metadata standards - including comprehensive documentation of data provenance, schema, and update protocols - to facilitate ongoing data integration and future refreshes.
- > As part of SMART METRO's GenAI Quality Assurance, Data Trust Scores (DTS) are generated using methodologies from the Data and Trust Alliance. DTS is a metric that quantifies the confidence in the quality and reliability of a dataset. This score is displayed in the 'References' section following each response to a user's prompt, helping users assess the trustworthiness of the data sources used. This scoring system offers a standardized method to assess and convey the quality of

data utilized in AI systems. It aids in making informed decisions, ensures regulatory compliance, promotes ethical AI practices, and fosters trust among users and stakeholders. By investing in mechanisms to evaluate and enhance the DTS, organizations can greatly improve the efficiency and dependability of their AI applications.

****Instrument or software-specific information needed to interpret the data:****
> BMPO has also importantly determined that SMART METRO is software agnostic; BMPO is open to considering and reevaluating its software choices as the project progresses into the next stage. This approach will help ensure that the selected tools and platforms remain the best fit for the organization's evolving needs and objectives.

E. Data-Specific Information

Please see attached data dictionary `BMPO_Smart_Metro_Data_Dictionary.xlsx` for detailed information on:

- Number of variables (columns)
- Number of cases/rows
- Each row represents
- Missing data codes

F. Update Log

This README.txt file was originally created on `2026-03-12` by `Deloitte` (<Insert Your/Author of README's ORCID ID Here>), `Insert Your/Author of README's Job Title Here`, (Insert Your/Author of README's Email Here)[mailto:Insert Your/Author of README's Email Here]

`2026-03-12`: Original file created