Miami-Dade TOD PMT Data Inventory

# Topic Area

## Name

*Description*

|  |  |
| --- | --- |
| Type | Tabular, Spatial |
| Shape type (if spatial) | Polygon, Polyline, Point |
| Geographic scope | Coverage, jurisdictions included/excluded, etc. |
| Geographic scale/precision | Unit of geography for each feature |
| Latest Vintage | Epoch reflected in data |
| Date published |  |
| Update schedule | How frequently are data generated? |
| Publisher/provider |  |
| Mechanism to obtain | API, download, direct coordination, etc. |
| Key Fields | **Field name**: description  **Field name**: description  … |
| Related tables | **Table**: Key Field  **Table**: Key Field  … |
| Observed quality concerns | Describe limitations or data quality issues worth noting |

# Development Activity

## Building Permits

*Building permits issued in Miami-Dade County within the last 3 years*

|  |  |
| --- | --- |
| Type | Spatial |
| Shape type (if spatial) | Point |
| Geographic scope | Miami Dade County (unincorporated only?) |
| Geographic scale/precision | Address |
| Latest Vintage | May 28, 2020 |
| Date published | May 28, 2020 |
| Update schedule | Weekly (Fridays) |
| Publisher/provider | Miami Dade County |
| Mechanism to obtain | API  *https://opendata.arcgis.com/datasets/ 31cd319f45544648b59f0418aea60091\_0.geojson* |
| Key Fields | **TYPE**: Building permit type  **APPTYPE**: Foreign key to Tbl Bldg Permit App Type  **PROPUSE**: Foreign key to Tbl Bldg Permit Prop Use  **DESC1**: Building permit description  **ISSUDATE**: When the permit was issued (some dates are very old, suggesting this either isn’t the last 3 years or perhaps the field is related to something other than the building permit??)  **RESCOMM**: whether the permit is for residential or commercial property  **ESTVALUE**: Dollar value of the permitted activity/improvement? |
| Related tables | **Tbl Bldg Permit App Type**: CODE  **Tbl Bldg Permit Prop Use**: CODE |
| Observed quality concerns | * Since the building permits data contains information on new developments, there will always be rejects in the street geocoding process as there is always a lag between the time new developments (streets, properties) are entered in the Building Department's database and the time when the same information is available in the coverages ADADE and LPROP. |

### Tbl Bldg Permit App Type

*A table of Miami-Dade County Building permits application types. To identify the code and code descriptions of Building Permits application types.*

|  |  |
| --- | --- |
| Type | Tabular |
| Shape type (if spatial) | NA |
| Geographic scope | NA |
| Geographic scale/precision | NA |
| Latest Vintage | 6/7/2020 |
| Date published | 6/7/2020 |
| Update schedule | Weekly (Fridays) |
| Publisher/provider | Miami Dade County |
| Mechanism to obtain | API  *https://opendata.arcgis.com/datasets/ cf047c70557a49e1a6848a62081bf93c\_0.geojson* |
| Key Fields | **CODE**: Primary Key  **CODEDESC**: plain language description of application type |
| Related tables |  |
| Observed quality concerns | * Potential need to generalize application type codes; unclear if codes are a static set or if new codes could be added at a later date. |

### Tbl Bldg Permit Prop Use

*A table of Miami-Dade County Building property uses. To identify the code and code descriptions of Building permits property use.*

|  |  |
| --- | --- |
| Type | Tabular |
| Shape type (if spatial) | NA |
| Geographic scope | NA |
| Geographic scale/precision | NA |
| Latest Vintage | 6/7/2020 |
| Date published | 6/7/2020 |
| Update schedule | Weekly (Fridays) |
| Publisher/provider | Miami Dade County |
| Mechanism to obtain | API  *https://opendata.arcgis.com/datasets/ 5c1986f08a5a40b4be8a55418c833da8\_0.geojson* |
| Key Fields | **CODE**: Primary Key  **CODEDESC**: plain language description of property use |
| Related tables |  |
| Observed quality concerns | * Potential need to generalize property use codes; unclear if use codes are a static set or if new codes could be added at a later date. |

### Property appraiser data

#### Parcels

|  |  |
| --- | --- |
| Type | Spatial |
| Shape type (if spatial) | Polyline |
| Geographic scope | Countywide |
| Geographic scale/precision | - |
| Latest Vintage | 6/22/2020 |
| Date published | 6/22/2020 |
| Update schedule | Monday – Saturday |
| Publisher/provider | Miami Dade County |
| Mechanism to obtain | API  [*https://opendata.arcgis.com/datasets/347bce97227c4b54b04a3e626b558950\_0.geojson*](https://opendata.arcgis.com/datasets/347bce97227c4b54b04a3e626b558950_0.geojson) |
| Key Fields | **-** |
| Related tables | - |
| Observed quality concerns | - |

#### Land Use

|  |  |
| --- | --- |
| Type | Spatial |
| Shape type (if spatial) | Polygon |
| Geographic scope | Countywide |
| Geographic scale/precision | Parcel |
| Latest Vintage | Appears to be regularly updated, but is not stamped |
| Date published | Appears to be regularly updated, but is not stamped |
| Update schedule | - |
| Publisher/provider | Miami Dade County |
| Mechanism to obtain | API: <https://opendata.arcgis.com/datasets/244e956692d442c3beaa8a89259e3bd9_0.geojson> |
| Key Fields | **LU**: Land use code  **Descr**: Land use code description. |
| Related tables | - |
| Observed quality concerns | No update schedule posted, but Memo claims that it is “updated weekly” and contains data since 1994. |

### Taxable value

|  |  |
| --- | --- |
| Type | Tabular\* |
| Shape type (if spatial) | - |
| Geographic scope | Countywide |
| Geographic scale/precision | Parcel |
| Latest Vintage | 2019 |
| Date published | 2020 |
| Update schedule | Annually, following tax season |
| Publisher/provider | Miami Dade County |
| Mechanism to obtain | This seems to be hidden behind a public records request. The taxable values aren’t easily found through the Open GIS portal from MDC, and the Property Appraiser sells a $50 “commonly requested items” package from: <http://bbs.miamidade.gov/>. |
| Key Fields | **-** |
| Related tables | - |
| Observed quality concerns | - |

## Development approvals

### Certificates of Use

|  |  |
| --- | --- |
| Type | Tabular(?) |
| Shape type (if spatial) | N/A |
| Geographic scope | Unincorporated Miami-Dade County |
| Geographic scale/precision | Address data |
| Latest Vintage | 6/22/2020 |
| Date published | 6/23/2020 |
| Update schedule | Weekly (Fridays) |
| Publisher/provider | Miami Dade County |
| Mechanism to obtain | API  *https://opendata.arcgis.com/datasets/fcdc6019414c45898715103dcbc4b5c7\_0.geojson* |
| Key Fields | **CertOccIssueDate**: Date on which certificate of use (CU) was granted  **CoProcessDBAName**: The recognizable name of the business  **CoProcessBusAddrProp**: Site address line  **CoDataBusCity**: Site address, city line  **CoDataBusZipCode**: Site address, Zip Code  **ProcessBusCodeDesc**: Plain-English **top-level** description of businesses  **CoDataBusUseComment**: Plain-English **detailed** description of business |
| Related tables |  |
| Observed quality concerns | The web viewer does not display any shapes at all, and the “about” field is marked as “non-GIS.” However, the data fields do contain address lines, so address matching should be possible. Data appears regularly updated, and dates back to 2003. |

### Certificates of Occupancy

|  |  |
| --- | --- |
| Type | Tabular(?) |
| Shape type (if spatial) | N/A |
| Geographic scope | Unincorporated Miami-Dade County |
| Geographic scale/precision | Address data |
| Latest Vintage | 6/22/2020 |
| Date published | 6/23/2020 |
| Update schedule | Weekly (Fridays) |
| Publisher/provider | Miami Dade County |
| Mechanism to obtain | API  *https://opendata.arcgis.com/datasets/c2d2450697d44d418c8fac19c1b7547f\_0.geojson* |
| Key Fields | **IssueDate**: Date on which certificate of occupancy (CO) was granted  **Property\_Address**: Site address line  **Number\_Of\_Occupants\_Per\_Floor**: The number of allowable occupants allowed under the CO  **Square\_Footage**: Square footage of the building footprint. |
| Related tables |  |
| Observed quality concerns | The web viewer does not display any shapes at all, and the “about” field is marked as “non-GIS.” The data fields do contain address lines, so address matching should be possible. Data appears regularly updated, and date back to 2003.  Load\_Per\_Floor & Occupants\_Per\_Floor seem to both have what look like erroneous values; for instance, displaying 99,999. Square\_Footage may also have this affliction: reading values of 9,999,999. The Square\_Footage example is possible certainly, whereas the occupants result would not be. Both instances tend to be for much older COs… |

# Population and Demographics

## Census

### Census 2

# Jobs and Economy

## InfoUSA

### New Businesses

|  |  |
| --- | --- |
| Type | Spatial |
| Shape type (if spatial) | Polyline |
| Geographic scope | Miami-Dade County |
| Geographic scale/precision | Address |
| Latest Vintage | Current |
| Date published | Current |
| Update schedule | Weekly(?) |
| Publisher/provider | MPO / Miami GIS |
| Mechanism to obtain | TBD. Data is publicly available from <https://gisweb.miamidade.gov/businesstracker/>, but no download link is clear. |
| Key Fields | **New Businesses**  **Closed Businesses** |
| Related tables | **TBD-** |
| Observed quality concerns | TBD- |

# Transportation

## Bicycle facilities

## Pedestrian facilities

## Walk sheds

## Bike sheds

A line feature class of Miami-Dade County, Metropolitan Planning Organization (MPO) existing bike lanes.

|  |  |
| --- | --- |
| Type | Spatial |
| Shape type (if spatial) | Polyline |
| Geographic scope | Miami-Dade County |
| Geographic scale/precision | Road? |
| Latest Vintage | March 2019 |
| Date published | May 5, 2019 |
| Update schedule | Annually |
| Publisher/provider | MPO / Miami GIS |
| Mechanism to obtain | https://opendata.arcgis.com/datasets/b874dd0e2d0941a689c56f54ae72d67c\_0.geojson |
| Key Fields | **Limits:** Describe bike lane boundaries with street name endpoints.  **Length:** Length in miles.  **Shape\_Length:** Length in meters. |
| Related tables | **None.** |
| Observed quality concerns | Does not indicate bike lane directionality –may be an issue if bike lanes exist on only one direction of a roadway. Maybe a rare drawback. |

## MDT Routes, Stops

|  |  |
| --- | --- |
| Type | Spatial |
| Shape type (if spatial) | Polyline, point |
| Geographic scope | Miami-Dade County |
| Geographic scale/precision | Road / Lower than address (for stops) |
| Latest Vintage | N/A |
| Date published | May 27, 2020 |
| Update schedule | As needed, no regularized schedule |
| Publisher/provider | MPO / Miami GIS |
| Mechanism to obtain | <http://www.miamidade.gov/transit/googletransit/current/google_transit.zip> - there may be an API |
| Key Fields | **TrainStations**  **MoverStations**  **BusRouteStops** |
| Related tables | **None.** |
| Observed quality concerns |  |

## Commute mode share

## Statewide

### FDOT 5-Year Work Plan

|  |  |
| --- | --- |
| Type | Spatial |
| Shape type (if spatial) | Polyline |
| Geographic scope | State of Florida |
| Geographic scale/precision | - |
| Latest Vintage | July 2018 |
| Date published | July 1, 2019 |
| Update schedule | Yearly, but not updated at this location. |
| Publisher/provider | FDOT |
| Mechanism to obtain | No GeoJSON Link, but option to Open in ESRI apps: <https://fdot.maps.arcgis.com/home/item.html?id=f37669322ceb43e19a2b56eabf4c74bf#overview>. Future year versions will need to be obtained through the FDOT portal. |
| Key Fields | **District**: FDOT District  **County\_Code**: Two-digit designation (87 is Miami-Dade)  **Description**: Description of project extents  **Project\_Type**: Description of main project purpose (lighting, sidewalk). |
| Related tables |  |
| Observed quality concerns | None |

# Housing

## Price

## Affordable Units

### Assisted Units

|  |  |
| --- | --- |
| Type | Tabular |
| Shape type (if spatial) | - |
| Geographic scope | Miami-Dade County (includes incorporated areas) |
| Geographic scale/precision | Address |
| Latest Vintage | 2019 (latest data in set) |
| Date published | N/A |
| Update schedule | Annually |
| Publisher/provider | The Shimberg Center |
| Mechanism to obtain | Direct request and download from Shimberg data page; <http://flhousingdata.shimberg.ufl.edu/>. Query: Miami-Dade County | Assisted Housing Inventory |
| Key Fields | **Street Address:** Street address line  **City**: City line for address field  **Zip Code**: Address zip  **Housing Programs**: The Federal / State programs that contribute to the housing project  **Assisted Units**: The number of units in the project that receive some sort of assistance (contrast with total units)  **Affordability Start Date**: The first year in which assisted units came online  **Overall year of subsidy expiration**: The year in which *current* assistance ends, or in which legal covenants protecting affordability associated with assistance expire |
| Related tables | Fields are in “plain English,” but full definitions are still available at: http://flhousingdata.shimberg.ufl.edu/AHI-user-guide |
| Observed quality concerns | None |

# Health and Safety

## Recreation Facilities

### Parks, Incorporated Areas

|  |  |
| --- | --- |
| Type | Spatial |
| Shape type (if spatial) | Polygon |
| Geographic scope | Incorporated areas of Miami-Dade |
| Geographic scale/precision | Address |
| Latest Vintage | N/A |
| Date published | March 26, 2019 |
| Update schedule | Claims bi-annually; since this has not been updated in 1.2 years, “bi-annually” may mean every *two* years rather than *twice per* year. |
| Publisher/provider | MPO / Miami GIS |
| Mechanism to obtain | https://opendata.arcgis.com/datasets/16fe02a1defa45b28bf14a29fb5f0428\_0.geojson |
| Key Fields | **City**: Governing municipality  **Class**: Description of park type (“mini-park,” “path,” e.g.)  **Developed**: Seems to indicate level of completeness with respect to the park’s planning intent. |
| Related tables | **None.** |
| Observed quality concerns |  |

### Parks, Unincorporated Areas

|  |  |
| --- | --- |
| Type | Spatial |
| Shape type (if spatial) | Polygon |
| Geographic scope | Unincorporated areas of Miami-Dade |
| Geographic scale/precision | Address |
| Latest Vintage | N/A |
| Date published | March 26, 2019 |
| Update schedule | Claims bi-annually; since this has not been updated in 1.2 years, “bi-annually” may mean every *two* years rather than *twice per* year. |
| Publisher/provider | MPO / Miami GIS |
| Mechanism to obtain | <https://opendata.arcgis.com/datasets/aca1e6ff0f634be282d50cc2d534a832_0.geojson> |
| Key Fields | **City**: Field refers to Miami-Dade County.  **Class**: Description of park type (“mini-park,” “path,” e.g.) |
| Related tables | **-** |
| Observed quality concerns | - |

## Health Care and Social Services

## Healthy Food Outlets

### USDA Food Atlas (Food Desert Locator)

|  |  |
| --- | --- |
| Type | Tabular |
| Shape type (if spatial) | - |
| Geographic scope | United States |
| Geographic scale/precision | Census tract |
| Latest Vintage | 2015 (latest data in set) |
| Date published | 2019 |
| Update schedule | N/A |
| Publisher/provider | USDA |
| Mechanism to obtain | Data is available as an .xls file from <https://www.ers.usda.gov/data-products/food-access-research-atlas/>. Census-tract data. |
| Key Fields | **County:** Useful to filter data to Miami-Dade  **LILATracts\_1and10:** Low-income (LI) and Low-access populations without access to supermarkets at 1-mile travel distance for urban areas.This is the most common statistic from this dataset. |
| Related tables | .xls file contains a worksheet with a translation table. |
| Observed quality concerns | Somewhat out of date. |

## Crash Locations

|  |  |
| --- | --- |
| Type | Spatial |
| Shape type (if spatial) | Point |
| Geographic scope | State of Florida |
| Geographic scale/precision | 7-decimal degree lat/long. |
| Latest Vintage | 2017 |
| Date published | 2017 |
| Update schedule | Lag of three+ years, I think recent crash locations are generally protected and difficult to distribute under Florida Statues. |
| Publisher/provider | FDOT |
| Mechanism to obtain | Yearly .zip files (ostensibly?) contain plotted crash points along with severity indicators. They can be downloaded at: <https://ubr.fdot.gov/basemaps/category/52>, or from the FDOT Unified Base Roads site. The folders seem to contain GIS files. |
| Key Fields | **County\_TXT:** Displays county in which crash occurred, numbered. 87 is Miami-Dade.  **Crash\_Dade:** Date on which the crash occurred, according to the crash report.  **MOST\_HARM\_:** A set of codes describing the nature of the collision, i.e. Code #10 – Collision w/ pedestrian |
| Related tables | .zip download contains a .pdf explainer document, including a translation table for the MOST\_HARM\_: field. |
| Observed quality concerns | The 2017 dataset indicates that it was “only 70% finished” when published… Sure has been a while since then. |

# Environment

### Air quality attainment (EPA)

|  |  |
| --- | --- |
| Type | Tabular |
| Shape type (if spatial) | - |
| Geographic scope | Floridian Counties |
| Geographic scale/precision | Countywide |
| Latest Vintage | 20 |
| Date published | May 2020 |
| Update schedule | N/A |
| Publisher/provider | US-EPA |
| Mechanism to obtain | <https://www3.epa.gov/airquality/greenbook/anayo_fl.html> - data is available in .xls and.dbf downloadable formats. |
| Key Fields | **Nonattainment In Year:** displays whether the county is non-attaining, if the county appears |
| Related tables | **-** |
| Observed quality concerns | - |

### Air quality (local monitoring sites)

|  |  |
| --- | --- |
| Type | Spatial |
| Shape type (if spatial) | Point |
| Geographic scope | Miami-Dade |
| Geographic scale/precision | 7-digit lat/long(?) |
| Latest Vintage | Current as of writing |
| Date published | Current as of writing |
| Update schedule | Hourly/daily (beacon data) |
| Publisher/provider | Florida Department of Environmental Protection (FDEP) |
| Mechanism to obtain | <https://opendata.arcgis.com/datasets/bd163c857f1b48c2b1f1a3a15dc8163d_4.geojson> |
| Key Fields | **AQI\_VALUE**: Air quality index (0 – 200)  **AQI\_Category**: Standards for AQI index  **O3**\_: There are a variety of indicators for ozone.  **NO2:** There are a variety of indicators for nitrogen dioxide.  **SO2:** There are a variety of indicators for sulfur dioxide.  **PM25:** There are some indicators for particular matter. |
| Related tables | **-** |
| Observed quality concerns | Not all stations report on the same data, and this is an aggregator. |