

Arkansas Address Point File Guidance—Feature Type Records

The Arkansas GIS Office (Agency) is sharing guidance with addressing authorities, contractors and GIS personnel involved in creation or maintenance of the local Address Point File.

The purpose of this guidance is to provide clarification that will enhance the Arkansas Address Point File with the addition of **Landmark Name** and **Address Feature Type** values. A Landmark Name record will allow entries for community and natural features that are well known and commonly referenced. These will allow public safety officials quick access to these locations. The Address Feature Type value is an organization of physical address records into a standardized set of categories such as commercial or residential.

Background

The GIS Office, in partnership with cities, counties and other stakeholders in Arkansas, coordinated the development of the Arkansas Address Point File project. This project built on GIS data from the Arkansas Road Centerline File. The Address Point File data was needed to compliment and improve the road centerline data and it also served the purpose of assisting the local 9-1-1 Public Safety Answering Points (PSAPs) with valuable data that can be used for emergency call dispatching. The Address Point File was built with adherence to a common guide. That guide was comprehensive in design and conforms to the Federal Geographic Data Committee Address standard. However, the initial construction of this data did not include certain content that is vital to public safety.

During the implementation of this data the hard work was to locate and map each physical address point within the jurisdiction. The **Landmark Name** column was originally not included, but emergency call takers and dispatchers need a quick reference to common landmarks. Adding a Landmark Name value will allow these reference points to be maintained within the structure of the address point file. The **Address Feature Type** value was not a mandatory category for data entry and most jurisdictions did not enter any data for this column. In the cases where the authority entered values into the address feature type column, the result was non-standard data and a wide range of inconsistency.

The agency is providing this additional guidance that will lead to standardized address feature types. This enhancement will improve the data and can be used to perform other analysis in the future.

Arkansas Minimum Content for Address Point Attributes
Purpose: Publication Standard for Schema and Geometry
Primary Source: FGDC Street Address Data Standard Final Draft Nov. 2010

| Column name | Type | Alpha Case | Length | Required | Description |
|--------------|-----------|------------|--------|----------|--|
| ID | Integer | NA | Auto | Yes | Unique identifier for the address record. Auto-number assigned by the database software |
| ADR_NUM | Integer | NA | Auto | No | Stores the house number of the address point |
| ADR_NUM_SUF | Character | Proper | 4 | No | Stores that portion of the house number which follows the actual number (1/2) |
| ADR_BLDG | Character | Proper | 10 | No | Used when several structures are at the same address (Bldg B) |
| ADR_UNIT_TYP | Character | Proper | 10 | No | Stores the type of occupancy within the building or structure (Ste, Apt, Level) |
| ADR_UNIT_ID | Character | Proper | 10 | No | Stores the apartment number or lot value (1040, 2B) |
| PPRE_DIR | Character | UPPER | 4 | No | Stores the street prefix directional value of the address point |
| PSTR_NAM | Character | Proper | 40 | No | Stores the Primary Street Name of the address point |
| PSTR_TYPE | Character | Proper | 4 | No | Stores the Street type of the address point (St, Ln, Rd) |
| PSUF_DIR | Character | UPPER | 4 | No | Stores the street suffix directional value of the address point |
| PSTR_MOD | Character | Proper | 4 | No | Stores the Street name post modifier of the address point (Ext for Extended) |
| PSTR_FULNAM | Character | Proper | 58 | No | Stores the Complete Primary Street Name (N Green Rd Ext) |
| LANDMARK_NAM | Character | Proper | 40 | No | The name of a relatively permanent feature, manmade or natural landscape that has a recognizable identity. (Big Dam Bridge, County Fairgrounds, Hickory Cemetery or Petit Jean Falls) |
| ADR_PLACE | Character | Proper | 40 | No | The name of an urbanized place not incorporated |
| ADR_MUNI | Character | Proper | 40 | No | Incorporated municipality in which the address is located |
| ADR_CITY | Character | Proper | 32 | No | Stores the USPS preferred last line City name of the address point |
| ADR_ZIP5 | Character | NA | 5 | No | Stores the preferred last line Postal Code of the address point |

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|---------------|-----------|--------|-----|----|--|
| ADR_ZIP4 | Character | NA | 4 | No | Stores the preferred last line Postal Code+4 of the address point |
| ADR_ZIP9 | Character | NA | 10 | No | Stores the preferred last line nine character Postal Code , including hyphen as separator (72201-3562) |
| CNTY_NAME | Character | Proper | 12 | No | Stores the name of the county in which the address point is located. |
| ADR_STATE | Character | UPPER | 2 | No | Stores the two-letter state FIPS abbreviation |
| ADR_LABEL | Character | Proper | 255 | No | Stores the Complete USPS delivery address |
| ADR_BOX_TYP | Character | UPPER | 16 | No | Stores the USPS box type used for receipt of mail at the local post office (PO BOX, BOX, GENERAL DELIVERY) |
| ADR_BOX_ID | Character | UPPER | 10 | No | Stores the USPS box ID used for receipt of mail (1234, 00123, G) |
| ADR_BOXGR_TYP | Character | UPPER | 16 | No | Stores the USPS box type used for receipt of mail other than at the local post office (RR, HC) |
| ADR_BOXGR_ID | Character | UPPER | 10 | No | Stores the USPS box group ID used for receipt of mail (RR 1, HC 17) |
| ADR_BOX_LBL | Character | Proper | 255 | No | Stores the Complete USPS delivery address (for BOX distribution) |
| LON_X | Double | NA | NA | No | Stores longitude coordinates in decimal degrees |
| LAT_Y | Double | NA | NA | No | Stores latitude coordinates in decimal degrees |
| FEA_TYP | Character | NA | 25 | No | Stores the type of feature identified by the address (Agricultural, Commercial, Residential, etc.) |
| DATE_ED | Character | NA | 9 | No | Stores the date and initials for the most recent edit (YYMMDD_ABC, 090414 AC) |

The Address Feature Type standardized values are presented below:

Agricultural
Commercial
Educational
Governmental
Industrial

Landmark
Recreational
Religious
Residential
Exception

List and Definition of Acceptable Values for FEA_TYPE (Feature Type)

Agricultural – Stores the physical address feature type for buildings, sites and structures related to agriculture activity. Agricultural activity may represent barns, sheds, shops, grain silos, irrigation well heads, etc. These sites are uninhabited and mail is not delivered to these locations.

Commercial - Stores the physical address feature type for buildings, sites and structures related to commercial activity. Commercial activity can be any location where money is exchanged for goods or services.

Educational – Stores the physical address feature type for buildings, sites, and structures related to educational activity. Examples include schools, private schools, colleges, universities, etc. Exceptions include educational dormitories which are residential.

Governmental - Stores the physical address feature type for buildings, sites and structures related to governmental activity. Governmental activity represents municipal, county, state, or federal locations.

Industrial - Stores the physical address feature type for buildings, sites and structures related to industrial activity. Industrial activity can be any location where commodities, goods, or utilities are processed, prepared, or produced. These sites are uninhabited and mail is not delivered to these locations, with the exception of manufacturing facilities. Examples include factories, towers of any kind, natural gas compression stations, communication switching stations, or electric power substations.

Landmark – Stores the physical address feature type for known landmarks. Examples include local, state or national structures or feature that are symbolically recognized for navigation. Examples include mile marker posts of Interstate Highways, cemeteries, statues, or memorials. These sites are uninhabited and mail is not delivered to these locations.

Recreational – Stores the physical address feature type for buildings, sites and structures related to recreational activity. Examples include camp sites, boat ramps, scenic overlooks, parks, trail heads, etc. These sites are not permanently inhabited and mail is not delivered to these locations.

Religious - Stores the physical address feature type for buildings, sites and structures related to religious activity.

Residential - Stores physical address feature type for buildings, sites and structures that are residential, homes, duplexes, apartments, condominiums, dormitories, group quarters, long term care facilities, etc.

Exception – This value is reserved for address feature types that are determined to be exceptions to the list above. The Arkansas GIS Office is especially interested in identifying exceptions that may be discovered that warrant a revision to the address feature type values presented in this document. These addresses currently include addresses with no habitable structure currently associated with the address, but are retained in perpetuity in the event of future development.

