AddressIt™

Interactive Addressing and Centerline Maintenance for ArcGIS 10

AddressIt Features

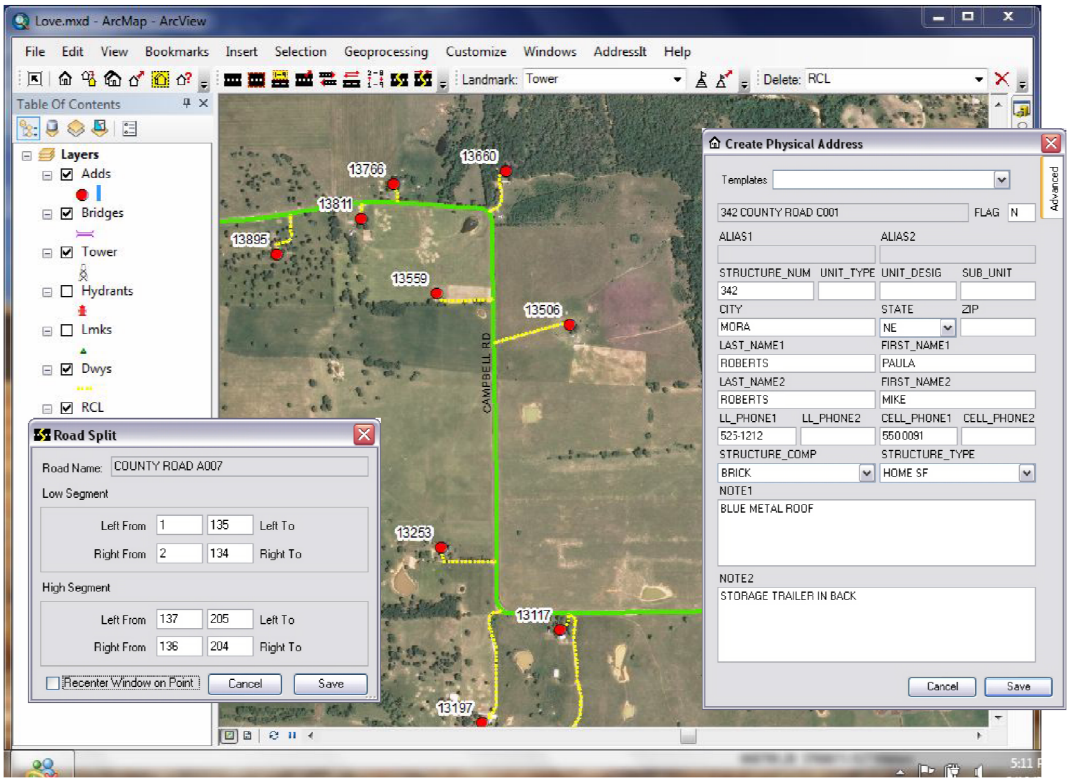
- *AddressIt features a field mapping option so users can bring in existing road centerline and address point data without renaming fields or changing data models already in use*
- *Automated address assignment eliminates human error in address calculations and synchronizes address and centerline data*
- *Multiple unit addressing organizes data logically, stacks points neatly and allows input into three fields for unit designators*
- *Address query tool quickly locates specific and potential addresses for addressors, assessors, dispatchers and other end-users*
- *Automated report tools analyze AddressIt GIS data and provide on-demand mileage and error reports for road maintenance and budgeting needs*
- *Add local coordinates, latitude/ longitude and National Grid coordinate values to your address and landmark points with a single, easy operation in the expanded "Add Coordinates" menu feature*
- *Special Landmark tools track the location and condition of features so response units can easily locate hydrants and avoid low-weight load bridges. Tower location and type tracking help build the framework needed for AVL and Wireless Call Mapping*

Centerline Mapping

The AddressIt™ road tools create spatially accurate centerline layers. The user simply draws the road with the imagery or GPS as reference and AddressIt automatically calculates the low and high address ranges and address parity based on the addressing schema chosen during set-up. The software prompts the user to enter the road's name, alias and classification and tracks more advanced centerline information for use in MSAG, dispatch or centerline maintenance including speed limit, surface type, road direction, shoulders and number of lanes. Domains control data input for road directionals and street types to ensure postal and NENA compliance.

Addressing

Use AddressIt's™ addressing tools to automatically place a structure and assign its address based on the addressing parameters set by the user. Addresses are deter-mined based on the intersection of the driveway with the road. Driveway centerlines are created by AddressIt and driveway intersection points stored. AddressIt prompts the user to enter resident and structure attribution data including names, phones, mailing address, special notes and structure type and composition. Secondary unit designators are fully supported in three fields to accommodate unit, building, floor or suite addresses.



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AddressIt Features

- *New AddressIt spatial editing tools allow the user to move landmark and address points and reshape road centerline geometry without initiating an ArcMap edit session*
- *Supports all ESRI geodatabase formats*
- *Customizable project and address settings permit you to manage different addressing schemes in one project*
- *Tracks surface type, road width, shoulders, speed limits and more, allowing you to readily upgrade your data for intelligent vehicle routing*
- *Support regional GIS data aggregation appllications with AddressIt's Unique Segment IDs and dual road name alias fields*
- *Customizable AddressIt layer symbology settings allow the user to set and apply the same symbology to all AddressIt layers as they are added to new .mxd*
- *Additional phone number tracking with expanded fields for landline and cellular telephones*
- *Access and apply new ArcGIS 10 templates through the AddressIt interface*
- *AddressIt forms are now resizable and feature tabs for "extra" features, saving valuable map real estate*
- *Domains built into the data model allow customizable classifications and control data entry to allowable values. Your data can be used by more end users and for more purposes with this extra job-specific intelligence built in. Add a "locked gate" landmark type or "seasonal" road classification or even a "brick/cobblestone" road surface type*
- *Date created, date modified, user and last-change tracking allow users to query data for easy export to secondary users such as the Post Office*

Landmarks

AddressIt™ features general landmark tracking as well as dedicated landmark layers for bridges, hydrants and towers. Dedicated landmark layers offer specialized attribution tracking for each landmark type such as flow capacity for hydrants and load limts for bridges.

Address Query

AddressIt™ features an interactive address search and geocode tool which can be used in emergency dispatch and for daily maintenance of the addressing database.

MSAG

Road centerline layers produced with AddressIt™ contain all necessary NENA specified MSAG fields. Postal standards are also fully supported. The optional MSAG Toolkit add-on allows the user to code centerlines with ESN, telco and community data, produce a NENA-format MSAG at the touch of a button and produce MSAG add/change/delete reports.

Reports

AddressIt™ contains special reporting features that allow the user to generate road summaries by road name, mileage, and mileage by road classification. Address point summary reports are also featured including address point counts per ZIP code, per road and per structure type.

Dispatch Mapping Integration

Centerline data built with AddressIt™ can be readily optimized for use with all ESRI-based Dispatch Mapping/Mapped ALI packages, including SDR's Go2It™ software.

Data Requirements

Existing feature classes not created with AddressIt™ can be used providing they contain standard 911 NENA fields. Use AddressIt's field mapping tool to set up your data.

New feature classes created for use with AddressIt™ are automatically assigned fields and no manual manipulation is required.

System Requirements

Requirements for AddressIt™

AddressIt™ is a set of additional toolbars for ArcGIS and operates within the ArcGIS environment. ArcGIS can be purchased from SDR with AddressIt™ and other extensions.

System Requirements for ArcGIS 10

Minimum Requirements
PC Operating System Windows 10 or Windows 11
Memory/RAM: 2 GB minimum, CPU Speed 2.2 GHz minimum
Platform: x86 or x64
Disk Space: 1.6 GB
Video/Graphics Adapter: 64 MB of RAM minimum, 24 bit capable graphics accelerator
OpenGL version 2.0 runtime minimum is required

Recommended Requirements
Same as above except for item(s) identified below:
CPU Speed Hyper-threading (HHT) or Multi-core recommended,
Video/Graphics Adapter: 256 MB RAM or higher recommended, Shader Model 3.0 or higher recommended

Other Recommendations
The user should have a good working knowledge of both their personal computer and Windows. The user should also be trained in the functions of ArcGIS, basic GIS technology, and E911 data processing.

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