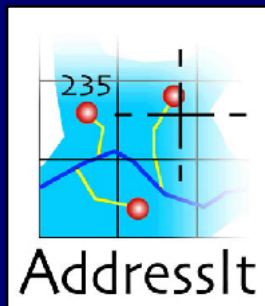


# Spatial Data Research

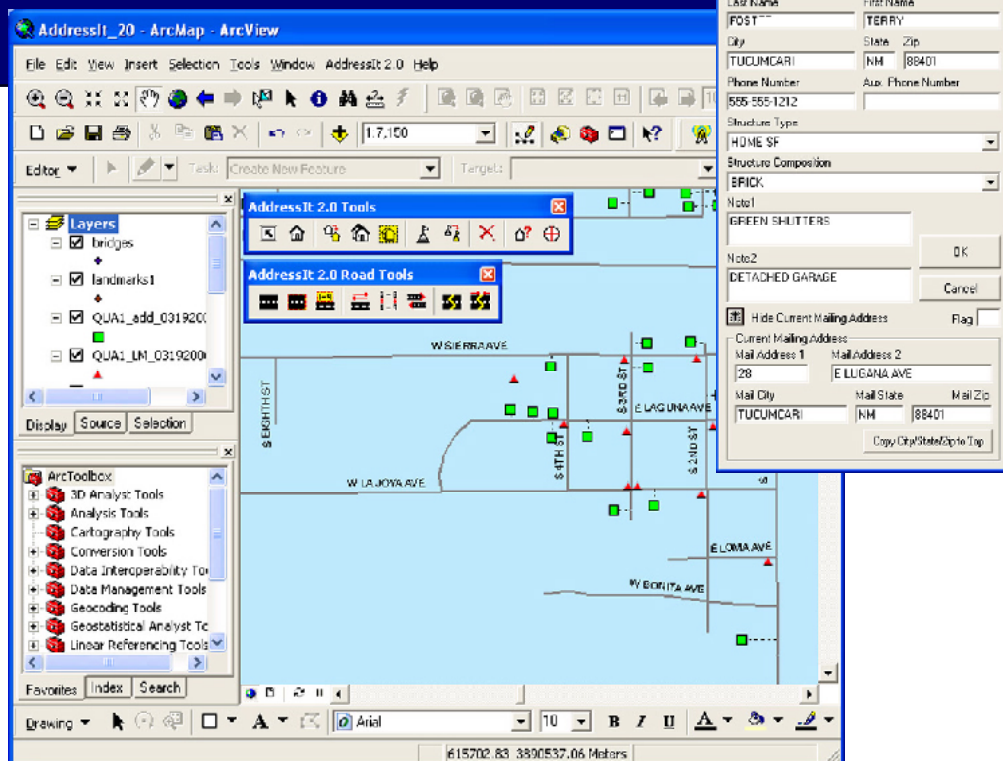
## AddressIt™

### Interactive Addressing and Centerline Construction for ArcGIS Desktop



#### Features and Benefits

- Available for use with ESRI personal geodatabase and shapefiles.
- Automated address assignment eliminates human error in address calculations and synchronizes address and centerline data.
- Road ranging and segment tools allow quick ranging of existing segments with your addressing parameters and can combine multiple segments into single, ranged segments.
- Create cellular sector coverage layers for Wireless Call Mapping using convenient AddressIt™ tool and cellular routing sheet information.
- Multiple unit addressing organizes data logically and stacks points neatly.
- Address query tool quickly locates specific addresses for dispatchers, in-vehicle users, assessors and other end-users.
- Automated reports analyze GIS data and provide on-demand mileage and error reports for road maintenance and budgeting needs.
- MSAG Coder and Generator produces NENA standard MSAGs from road centerline data.
- Date/user tracking allows tracking of modifications by the day, week, month or year and exports them for users such as the post office.



#### Centerline Mapping

The AddressIt™ road tools create spatially accurate centerline layers with imagery or for more accuracy use with differential GPS.

The user simply “draws” the road and the software automatically calculates the low and high address ranges and address parity and prompts the user for the road’s name, alias and classification. AddressIt™ allows the user to easily track more advanced centerline information for use in MSAG, dispatch or road maintenance including speed limit, surface type, road direction, shoulders, number of lanes and Emergency Service Number.

#### Addressing

Use the AddressIt™ address tools to assign an address to a structure point based on the addressing parameters set by the user. Resident data-name, address, phone number and more is tracked by AddressIt™ along with special notes, structure type and composition. Addresses are determined based on the intersection of the driveway with the road. Secondary unit designators are fully supported as are multiple units in condos, apartments and businesses.



## SDR - Using GIS to Map Your World

For More Information Call 1-800-238-1911

SDR, Inc

14 E 8th St.

Lawrence, KS 66044

[www.sdrmaps.com](http://www.sdrmaps.com)

## Features and Benefits

(Continued)

- *Latitude/longitude running display and search simplifies the location or specific lat/long locations when your base data is in a projected coordinate system. Use this tool to locate specific lat/long coordinates given by helicopters, hunters and other GPS users.*
- *Image Catalogue tool condenses dozens of image files into a single, manageable data layer.*
- *User customizable combo lists let you add feature types and classifications unique to your project. Your data can be used by more end users and for more purposes with this extra job-specific intelligence built-in. Add an "oil tank" landmark or a "seasonal" road classification or even a "brick/cobblestone" surface type.*
- *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.*
- *Customizable project and address settings permit you to manage different addressing schemes in one project.*
- *Expanded Road Feature Attribution tracks surface type, road width, speed limit and more, upgrading your data for Intelligent Vehicle Routing.*

### Data Requirements

The main AddressIt™ tools require four feature classes: roads, driveways, addresses and landmarks. These four files must be in the same projection for AddressIt™ to function correctly.

Shapefiles created with SDR's ASIA™ software for ArcView 3.X must be converted for use with AddressIt™.

Existing feature classes not created with ASIA or AddressIt™ can be used but must be manually converted according to the field specifications given in the AddressIt™ manual which accompanies your software package.

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

## Extended Addressing

SDR will guide you through fulfilling the initial and ongoing responsibilities related to implementing and maintaining Wireless 9-1-1 service in your area by providing documentation, consulting and/or direct assistance. We can even act as the official agent for your PSAP during this process.

### Landmarks

AddressIt™ offers special landmark data layers and attribution for bridges, hydrants and towers as well as a separate layer for other user-defined landmark types.

### Address Query

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

### Lat/Long Display

AddressIt™ features a lat/long search and display function which shows the latitude and longitude of the mouse cursor, even when the map is in a projected coordinate system.

### MSAG

Road centerlines produced with AddressIt™ contain all necessary NENA specified MSAG fields. Postal standards are also fully supported. MSAG tools included with AddressIt™ allow the user to code centerlines with ESN, telco and community data and produce a formatted MSAG at the touch of a button.

### 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.

### 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.

### System Requirements

#### Requirements for AddressIt™

AddressIt™ requires ArcGIS for proper operation. ArcGIS can be purchased from SDR with AddressIt™ and other extensions.

#### System Requirements for ArcGIS

##### Minimum Requirements

Platform PC-Intel Operating System Windows NT 4.0 with Service Pack 6a (or) Windows 2000 (or) Windows XP (Home Edition and Professional) Memory 256 MB RAM Processor 450 MHz

##### Recommended Requirements

Same as above except for item(s) identified below:  
Memory 512 MB RAM (or higher) Processor 650 MHz (or higher)

##### Other Recommendations

Fast Disk (e.g., SCSI)  
OpenGL card for use of ArcGIS 3D Analyst

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 ArcView, basic GIS technology, and E9-1-1 data processing.



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