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New GIS road network dataset available on VINCI 3.0

VINCI 3.0 now provides an updated road network dataset for use within ArcGIS Pro (GIS software). When used with ArcGIS Pro's *Network Analyst* extension, this updated road network dataset allows for calculating road-based distances and durations between origins and destinations. While the PSSG tables within CDW provide an authoritative calculation for drive distances and times from Veteran homes to the closest VA facilities, there may be reasons for calculating distances to and from non-VA destinations. Examples include, but are not limited to, the distance from Veteran homes to pharmacies, to community care clinic locations and private medical practices, or to other kinds of locations such as supermarkets, libraries, and shelters. In addition, *Network Analyst* can consume the new road network to create service area travel bands around VA and non-VA facilities.

This road network update became necessary as the road network dataset available in VINCI 2.0 was published in 2010 and was based on how roads were around the years 2005-2006. **The updated data represents roads as they were in 2022.** (The updated roads are not available in VINCI 2.0, but are available in VINCI 3.0.)

How to access the new road network data

The updated road network dataset is available as part of the *NorthAmerica.gbd* geodatabase from within VINCI 3.0's instance of ArcGIS Pro (this is different than accessing GIS data in CDW through an ArcGIS Pro SQL Server connection). From within the ArcGIS Pro catalog, right-click on *Folders* and select *Add Folder Connection* and then select *ArcGIS Data (D:)* from the window. After the software connects to the *ArcGIS Data (D:)* drive, navigate in the *NorthAmerica.gbd* geodatabase to *RoutingApplication* and then to the *RoutingApplication_ND* file geodatabase network dataset and add it to your map (*D:\NorthAmerica.gbd\RoutingApplication\RoutingApplication_ND*). There are many additional data objects within *NorthAmerica.gbd* you may choose to explore.

Note: File pathways to the new *NorthAmerica.gbd* geodatabase may change over time.

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Please feel free to reach out with questions at accent.data@va.gov

