

# one MARYLAND one CENTERLINE

collaborative. authoritative. seamless.

The One Maryland One Centerline (OMOC) Program is a collaborative effort between federal, state, and local entities to create an authoritative, statewide roadway dataset that meets the needs of a diverse community.

## WHAT IS ESRI ROADS AND HIGHWAYS?

Esri's Roads and Highways is a software product for managing road centerline geometry in a linear referencing environment with a broad spectrum of associated information. Roads and Highways is an extension to ArcGIS for Desktop and ArcGIS for Server. The State of Maryland will use Roads and Highways to centrally maintain authoritative, statewide road centerline data.

## MARYLAND STATE IMPLEMENTATION

The Maryland State Highway Administration will use the Roads and Highways desktop component to efficiently maintain the statewide linear referencing system and centerline. The Roads and Highways server component, the Roadway Characteristics Editor, will be available for local jurisdictions to directly interact with their authoritative roadway linework and information about their roadways, such as addressing information, assets, traffic, and pavement.

The Roadway Characteristics Editor is a map-centric web application that allows data editing via the Internet. Users directly edit or redline existing data, or upload new data from GIS or CAD formats.

## DO LOCAL JURISDICTIONS NEED TO PURCHASE THE EXTENSION?

No, they will only need Internet access to use the software via the ArcGIS for Server implementation at Maryland State Highway Administration.

## WILL DATA BE SECURE?

Only authoritative data owners will be able to edit their data. Associated data can be shared at the data owner's discretion, however the statewide centerline GIS file with minimal attribution will be made available to the public.

## DO I NEED A LINEAR REFERENCING SYSTEM TO USE ESRI ROADS AND HIGHWAYS?

No, as a benefit of the OMOC program, your data will be represented in the statewide linear referencing system and made available for local jurisdiction use.

For more information on Esri Roads and Highways visit Esri's website.

## CONTACT US



Please contact us with questions at  
1md1cline@sha.state.md.us

## Maryland Users will be able to:

- ✓ Edit authoritative roadway linework and associated data.
- ✓ Keep roadway-related data (i.e. assets, pavement) aligned with roadway changes over time.
- ✓ Analyze, visualize, query, and report on roadway data as it relates to road alignments at given points in time.