



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.

SUPPORTING PUBLIC SAFETY IN NEAR REAL-TIME

The OMOC Program is designed to provide a statewide, integrated roadway dataset of public and private roads, compiled from authoritative sources. Jurisdictions will submit their authoritative roadway data directly to the OMOC system, allowing statewide centerline data to be made available to law enforcement, fire, emergency response teams, and emergency management agencies in near real-time. This capability will aid in emergency planning, evacuation routing, emergency response, mutual aid agreements and more.

CURRENT METHODS

OMOC PROGRAM SOLUTIONS

Reduction of Duplicated Effort

Road centerline data managers maintain roadway geometry that in some cases is redundantly maintained. Additional duplication of data maintenance occurs when road centerline geometry is maintained into neighboring jurisdictions for purposes of routing and mutual aid.

OMOC is designed to be used for a wide variety of business cases across agencies. Data managers will utilize agreed-upon snap-to points to maintain the jurisdiction and submit only the roadway data for which they are responsible to populate a statewide road centerline dataset.

Data Gathering and Update Frequency

Local jurisdictions coordinate individually with their neighbors to obtain updated data, which is then edge-matched and combined each time data is received. SHA updates its statewide road centerline on an annual basis.

Updates will be automated and continuous based on data input from each authoritative data owner with an updated statewide road centerline file being accessible in near real-time.

New and Planned Roadways

Typically, roadway information at both the State and local level is not disseminated until the road is open for public use.

Both existing and planned local and State roadways will be included in the new centerline dataset. Roads will be attributed with their status information as to whether they are open for travel, planned, or for emergency use only.

Routing

A statewide routing dataset based on authoritative data does not exist.

A statewide routing dataset will be possible using roadway attribute inputs, such as speed limits, one way roads, and turn and travel restrictions, maintained by the authoritative data owner.

CONTACT US



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

