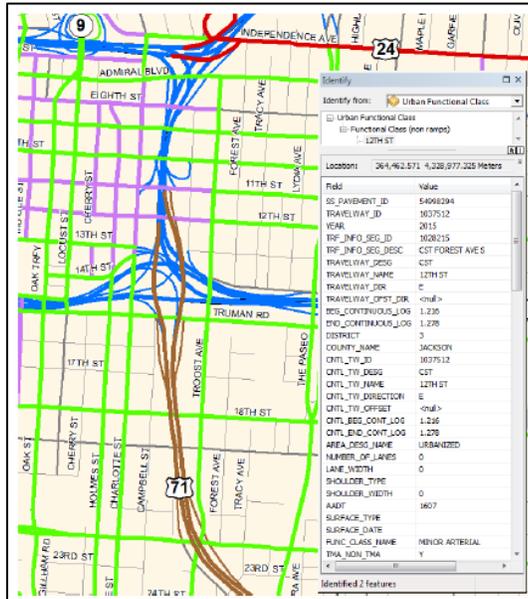


## FEMA Interactive Disaster Maps



### Description

This innovation helps expedite disaster recovery in Missouri. FEMA field inspectors presently use paper maps to identify eligible roads that qualify for federal assistance following a disaster. After identifying a better method was needed, it was decided to use existing virtual software, ArcGIS Online, as the solution. An interactive functional classification map allows FEMA field personnel to access roadway attribute data faster. FEMA field workers spend significantly less time in harm's way. Determining roads eligible for funding ultimately gets money to distressed applicants faster, which benefits all Missourians. Interactive map technology for functional class had not previously been shared with FEMA.

### Benefit

Federal-Aid roads are based on functional class and web access to this information significantly reduces the time it takes to determine qualifying roads and bridges. ArcGIS Online leverages virtual software already available on many MoDOT computers. There is no cost to FEMA to use the data and maps. Field workers/assessment teams go from using paper to interactive maps. This reduces exposure to unsafe conditions by significantly cutting the time FEMA teams must spend in the field determining federal-aid eligible roads and bridges, therefore improving overall safety for those teams. It will take little time now that the innovation has been developed, to provide this virtual functional class data for a future disaster response. This roadway data can now be coordinated with a specific time period as requested to coincide with the disaster period being responded to. FEMA has mentioned the added benefit of Stafford Act compliance, by preventing the duplication of benefits from multiple agencies.

### Materials and Labor

No cost for materials.

Labor: 16 hours.

### For More Information Contact:

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Additional photos can be seen by accessing the Innovations Challenge SharePoint page at: <http://sharepoint/systemdelivery/TP/Documents/InnovationsChallenge.aspx>.