2002 – 2010
Building the Road Network

• Topographic Mapping

• Linear Referencing System developed from Tiger lines, control sections, and other data
MULTI-LINE PUBLIC ROAD LRS_ID
Updating the Road Network 2010-2016

- Fugro Data – initial geometry update
- High Quality Imagery – 2010 and 2014
  - Road network adjusted to higher resolution/more accurate aerial imagery by GDM
- 5 different sources used to add context to geometry (street name, city name, parish, etc.)
Imagery Collection Phase Two 2014 Various Areas
Geometry updates

• Updates completed 2015-2016
Migrating into Roads & Highways 2014-present

• Roads and Highways
  – Migrated Louisiana Roadways into Roads and Highways in 2016
  – Now being edited/maintained as an event layer (Louisiana Roadways) in Roadway Characteristics Editor (web map)
Roadway Characteristics Editor

- Create & Edit event data online
- Map view, visual & tabular
- No need for GIS software
- Customizable, some events can be edited, some “read only”
Providing the network to the public

- As a basemap with Roadways, Rails, Boundaries, Waterways
  - [https://giswebnew.dotd.la.gov/arcgis/rest/services/Static_Data](https://giswebnew.dotd.la.gov/arcgis/rest/services/Static_Data)

- As a feature service
  - [https://giswebnew.dotd.la.gov/arcgis/rest/services/Live_Data](https://giswebnew.dotd.la.gov/arcgis/rest/services/Live_Data)

- As a feature class in a geodatabase
  - [ftp://gisweb.dotd.la.gov/Planning/LouisianaRoadways/](ftp://gisweb.dotd.la.gov/Planning/LouisianaRoadways/)
Future efforts

• Work with local governments to maintain the network in near real time
  – Provide RCE to local governments
  – Check in/check out local data QA/QC process
• Provide a routable network