Request for Information (RFI)
Louisiana Department of Transportation and Development (DOTD)
GIS Right-of-Way (ROW) Data Integration and Mapping Modernization

Issue Date: February 2, 2026
Deadline for Receipt of Questions/Inquires: February 12, 2026
Agency Response to Written Inquiries: No later than February 23, 2026
Deadline for RFI Response: March 5, 2026

Questions / Inquiries: Should be submitted via email to Julie.Kennison@la.gov no later than February 12, 2026. Inquiries received after this deadline may not be entertained.

RFI Response: Email Responses should be submitted by March 5, 2026, to Julie.Kennison@la.gov. Please include the following:

1. A brief company profile, including relevant experience and qualifications
2. Responses to the "RFI Questions" in Attachment I
    a. Please number responses according to the format in Attachment I
    b. Responses are not required for all questions
3. Any additional comments or recommendations for DOTD

Confidentiality: This RFI is for information gathering purposes only and does not constitute a solicitation or commitment to issue an RFP or award any contracts. Responses will be treated as confidential to the extent permitted by law.

Introduction:

The Louisiana Department of Transportation and Development (DOTD) is seeking information from qualified firms with demonstrated experience in digitizing, mapping, and integrating Right-of-Way (ROW) data within an existing ESRI ArcGIS enterprise environment. DOTD's goal is to modernize its ROW recordkeeping and establish a comprehensive, spatially accurate GIS ROW database that connects existing parcel, survey, and acquisition data with linked digital documents and metadata

Currently, DOTD maintains microfilm-based ROW records organized by control section number. Retrieving and validating information requires significant manual research through courthouse, assessor, and district archives. Integrating these records into a GIS environment will improve accessibility, accuracy, research time, and transparency while significantly reducing the volume of public records requests (currently 1,000+ annually).

This RFI seeks industry input on best practices, tools, and implementation approaches for transitioning these legacy records into a spatially enabled, document-linked GIS database leveraging DOTD's existing ArcGIS Enterprise platform.

Key considerations for DOTD's implementation:

Information from this RFI will guide DOTD's future procurement strategies and technology plans to modernize DOTD's Right-of-Way data and utility mapping environment.

Purpose: The purpose of this RFI is to:

1. Identify methods and services for digitizing, organizing, and integrating ROW data within DOTD's ESRI environment.
2. Understand how other transportation agencies have modernized similar systems, including organizational, technical, and operational approaches.
3. Evaluate options for linking scanned plats, deeds, and acquisition records to GIS features, metadata, and parcel data.
4. Assess data governance, accuracy, standards, security controls, and legal considerations related to publishing ROW information.
5. Establish future procurement specifications focused on GIS-based data mapping, integration, and workflow automation, not replacement of existing GIS platforms.

This RFI is not a solicitation or commitment to purchase. Responses will be incorporated into DOTD's planning and evaluation process.

Scope of Work: DOTD is interested in data integration and mapping solutions that can:

1. Digitize and store ROW boundaries, parcels, record plans, and easements with spatial accuracy and topological consistency.
2. Integrate existing microfilm-scanned plats, acquisition documents, and deeds as a linked document with the GIS environment.
3. Provide options for document indexing, metadata tagging, and search functionality by control section, route, owner, or parcel number.
4. Display as-built plans, acquisition history, and ownership details through an internal GIS viewer.
5. Offer configurable levels of access for internal staff and the public.
6. Integrate with DOTD's enterprise ESRI environment.

Key Objectives:

1. Establish an authoritative, spatially accurate, and legally defensible record of DOTD's right-of-way and easements.

2. Improve operational efficiency and reduce manual research time by digitizing legacy microfilm records.
3. Provide a centralized, accessible database for survey, design, ROW, district, and legal personnel.
4. Enhance transparency and public access to ROW information through a controlled online interface.
5. Support data integration with project delivery, asset management, and future 811/utility coordination or analytical efforts.

Next Steps: Based on the responses to this RFI, DOTD will:

1. Refine the scope and technical requirements for future solicitations
2. Potentially engage with industry participants through informational sessions or pre-solicitation meetings to further explore available technologies and implementation strategies
3. Identify potential pilot opportunities and integration approaches with existing systems

DOTD thanks you for your interest and looks forward to your valuable input on this important initiative.

ATTACHMENT I

RFI Questions:

DOTD is seeking responses to the following questions:

1. **Interest and Capacity:**
    a) Describe your firm's experience designing or implementing GIS-based ROW, land records, or parcel management systems for state DOTs or other government agencies.
    b) Identify comparable deployments, project scale, and measurable outcomes achieved.
    c) Summarize your team's qualifications and experience with ESRI technologies. (ArcGIS Enterprise, Parcel Fabric, Experience Builder, etc.)

2. **System Capabilities and Integration:**
    a) Provide an overview of your system architecture if applicable and how it manages right-of-way information, including utility information, spatial data, legal documents, and acquisition history, within a single integrated platform / ArcGIS environment.
    b) Explain how your system interfaces with ESRI's ArcGIS environment and supports standard GIS and database formats (e.g., geodatabase, REST, or web feature services).
    c) Describe how your solution ensures data accuracy, version control, and quality assurance when multiple users or offices contribute updates.
    d) Outline how your system can connect or synchronize with external data sources, such as parish assessor records, district-maintained databases, and courthouse property databases, to enhance data completeness.
    e) Describe any security, access control, or role-based permission features that support internal, district-level, and public access requirements.

3. **Implementation and Support:**
    a) Describe your recommended approach for converting microfilm-based or manual records into a digital, spatially enabled right-of-way database. Describe your process for entering, validating, and updating this information over time.
    b) Explain the training, maintenance, and support services your firm provides to ensure successful onboarding and long-term adoption by DOTD staff.

c) Describe typical staffing and skill requirements for deployment, including operator training (e.g., time required for training, resources) and certification needs if applicable.
d) Provide an overview of your anticipated resource requirements and cost structure for a project of this scope. Please outline the key factors that influence pricing (e.g., data volume, record conversion, system configuration, training, and ongoing support) and identify any assumptions or variables that DOTD should consider when estimating project costs.

4. **Potential Challenges:**
   a) Describe how you manage legal disclaimers, data accuracy notifications, or public-facing boundaries that may differ from survey-verified lines.
   b) What challenges have other state transportation agencies encountered when modernizing or integrating legacy ROW data into a GIS environment, and how might those challenges be relevant to DOTD's implementation?
   c) How can DOTD best address or mitigate these challenges to ensure successful deployment, long-term sustainability, and user adoption?

5. **Feedback, Recommendations, and Demos:**
   a) What innovative technologies, best practices, or lessons learned from other large-scale ROW mapping/database projects could be applied to this initiative?
   b) What innovations, automation features, or analytics capabilities distinguish your platform from others in the market?
   c) Can you share any promotional or explanatory videos, images, or other demo materials for your solution?