



Road Related Data and How to Use it

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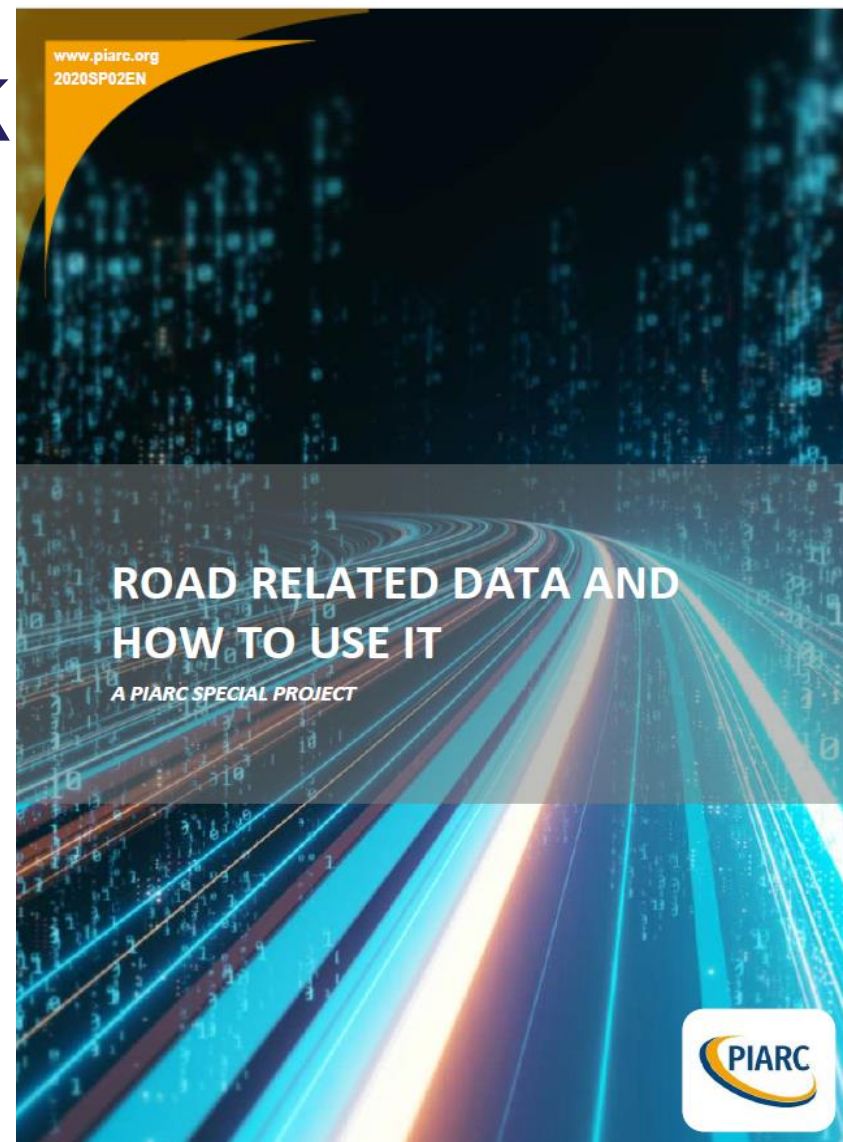
Agenda

1. Road Related Data and How to Use it Review – Enablers
2. FHWA Data Enablers Approach

Utilizing Data Framework



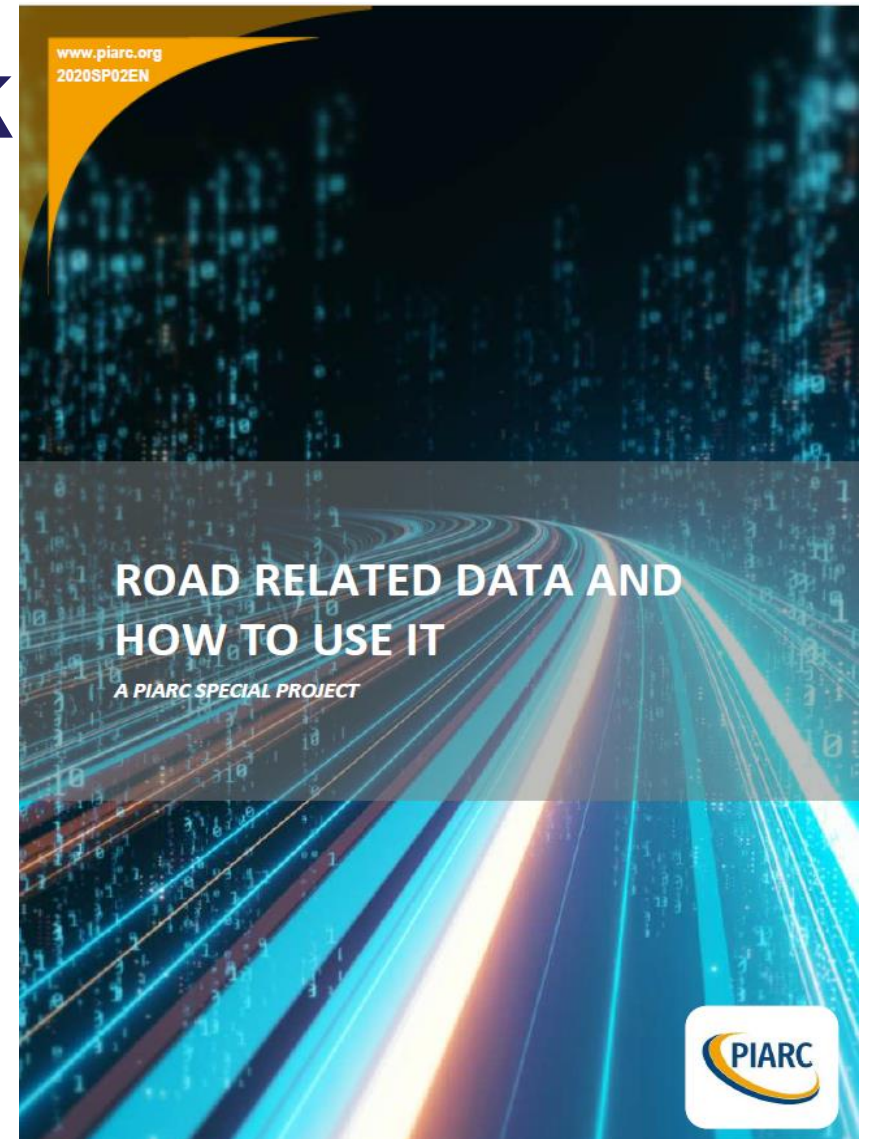
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Utilizing Data Framework

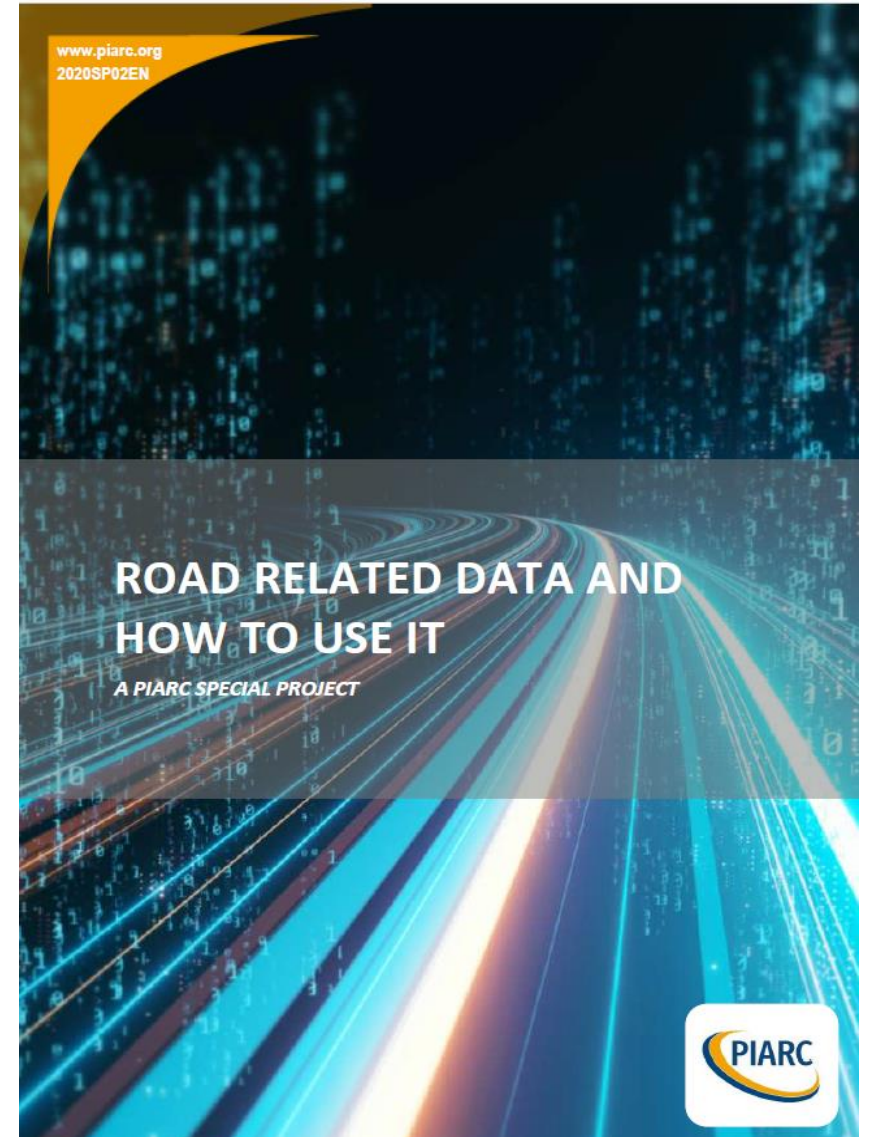


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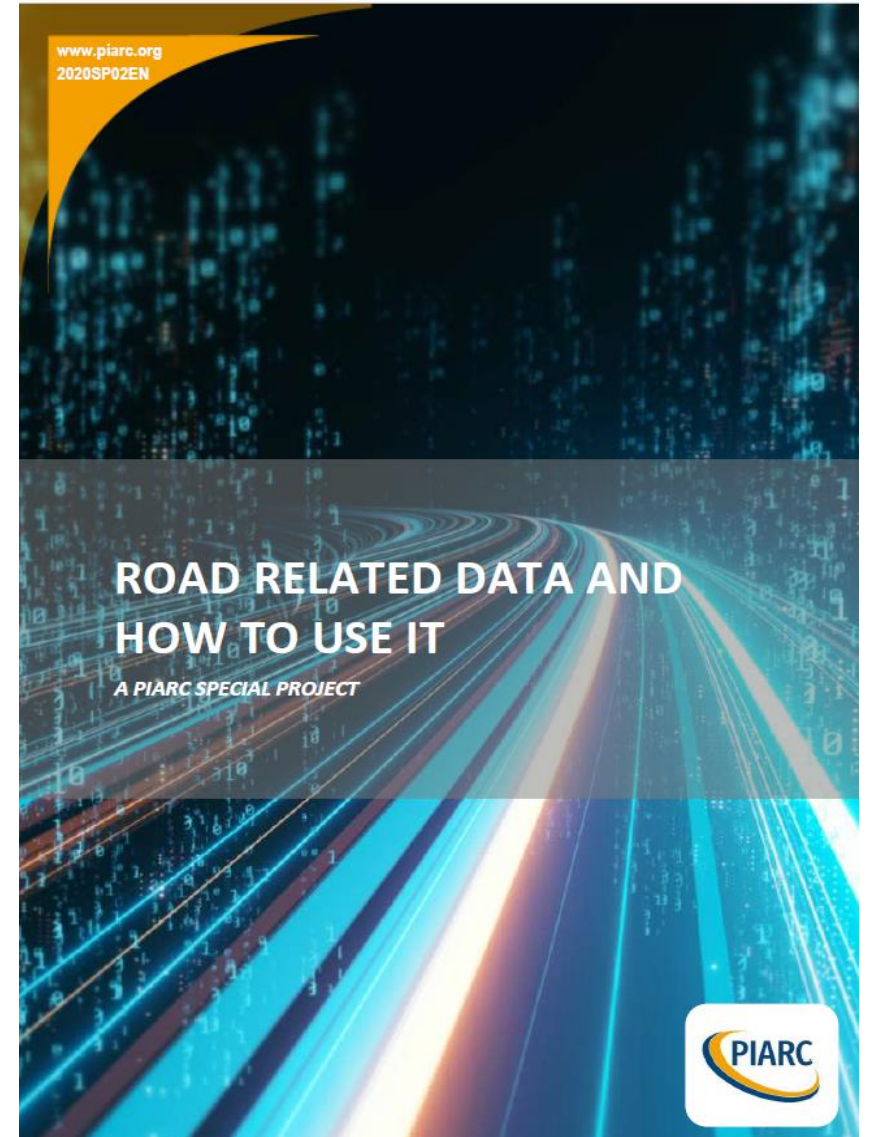
Business Model - Enablers

- Demonstrate clear leadership within the road administration and to the private sector
- Develop more than just data-oriented skills, but also behaviors and culture within the road administration
- Use the right tools to analyze data



Business Model – Enablers – Data Behaviors and Culture (R16)

- Develop staff via formal, on-the-job training.
- Incentivize change through policies and communicating personal benefits for a more data driven approach.
- Reduce manual processes leaving more time to focus on value-added work.



FHWA's Data Enablers Approach

Data Fully Leveraging Expertise (FLEx) initiative was developed to maximize the efficiency and effectiveness of human capital resources to address current challenges and meet future agency needs. Data is one of many FLEx initiatives.

Data FLEx Goals:

- Improve data automation in support of decision making.
- Upskill existing data specialists across the agency.
- Support data integration/assimilation special projects (not day-to-day work).
- Improve statistics and data analysis skills across the agency.

Status & Next Steps

- Launched Data FLEx workgroup to manage implementation. (March 2021)
- Completed Agency-wide skills assessment to identify data specialists. (June 2021)
- Identified three data analytics pilot projects to support FHWA mission. (July 2021)
- Assigned project managers and team members to pilot projects. (August 2021)
- Complete pilot projects. (Aug – January 2021)
- Document lessons learned and revise operating protocols for implementation phase. (Early 2022)