



NATIONAL GEOSPATIAL ADVISORY COMMITTEE

INFRASTRUCTURE SUBCOMMITTEE REPORT

JUNE 27, 2018

PROBLEM STATEMENT

Geospatial data and technology can improve the way infrastructure is developed and renewed

- Efficiencies can be multiplied
- Resources from all sectors can be leveraged

FOUR PRIMARY ACTIVITIES

1. Two pager to address the question from the perspective of Cabinet Secretaries and their staff, as well as Congress and staff (Delegation and Committees)
2. Use cases to further explain how infrastructure development and renewal could benefit from use of geospatial data and technology
3. Infographic to visualize the issue; easily and quickly digestible; companion for use cases
4. Best Practices document to take the next step – for infrastructure owners/operators

STATUS OF ACTIVITIES

1. Two pager – Done
2. Use cases – Final draft form, accepting comments from NGAC
3. Infographic – in process
4. Best practices – outline underway

TWO PAGER

- Initial document is complete and has a set of recommendations at the end
- Discussion about how to distribute that document and the use cases
- May need to slightly modify the recommendations to fit a broader audience
 - Federal/Tribal strategy/policy leads
 - State executives
 - Local executives
 - Private sector executives

USE CASES

Feedback and/or Suggestions?

- Permit Streamlining
- Road Maintenance
- Underground Renewal
- NY Cultural Resource Information System
- Oil & Gas Pipelines – in process

INFOGRAPHIC

- Message – Coordinate development/renewal across infrastructure sectors; Data sharing creates efficiencies
- We talked about how asset management is not necessarily pursued as a geospatial activity now.
- We talked about how to leverage existing statistics from the ASCE Report Card and other places.
- We decided to use a research group to help us dig up statistics to review – InfoGroup

BEST PRACTICES GUIDE

- Audience is infrastructure owners/operators or their agents
- Should be as short as possible, follow model of earlier best practices guides from NGAC, Interagency Data Sharing Primer as example
- Principles, brief narrative, bullet points – needs to be digestible
- Best Practices Outline areas
 - Define the problem and value proposition
 - Governance – set priorities, allocate resources
 - Planning
 - Prioritization – categories for deciding priorities (ASCE Report Card)
 - Outcomes – performance management/metrics