



NATIONAL GEOSPATIAL ADVISORY COMMITTEE

INFRASTRUCTURE SUBCOMMITTEE REPORT

DECEMBER 6, 2018

PROBLEM STATEMENT

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

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

THREE 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 (Agency and Congressional staff)
3. Best Practices document to take the next step – for infrastructure owners/operators
 - o Infographic to visualize the issue; easily and quickly digestible; companion for use cases

STATUS OF ACTIVITIES

1. Two pager – Done
2. Use cases – Done
3. Best practices – Final draft form,
accepting comments from NGAC

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
- Have received a few suggested modifications from the geospatial community

USE CASES

Four use cases complete; similar discussion about distribution

- Permit Streamlining
- Road Maintenance
- Underground Renewal
- NY Cultural Resource Information System

BEST PRACTICES

This was our direction

- 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

BEST PRACTICES TOP TEN

1. Data Requirements
2. Crawl-Walk-Run Approach
3. Policy Framework
4. Governance Structure
5. Programmatic Approach

BEST PRACTICES TOP TEN

6. Align Workflow and Strategy
7. Common Narrative
8. Performance Management
9. Service Level Goals
10. Data Management

PROPOSED NEXT STEPS

- Receive feedback on Best Practices from NGAC members NLT 1/14/19
- Seek additional input from newly appointed NGAC members – January 2019
- Finalize Best Practices document for review by NGAC – March 2019
- NGAC approval at Spring 2019 NGAC meeting