

NEBRASKA STATEWIDE IMAGERY PROGRAM

1.0 Program Goals and Objectives

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Goal:

Develop a Statewide Imagery Program for Nebraska that consists of the following components: digitizing guidelines, acquisition guidelines, acquisition opportunities, data sharing, and statewide coverage.

Objectives:

1. Define imagery program management team and what it is comprised of and where it will be located (administratively and physically). This Working Group is supporting this function at the moment.
2. Identify pertinent stakeholders and gather core requirements and stakeholder expectations
3. Identify a set of standards that will meet the majority of these requirements and expectations in the most cost-effective manner
4. Establish geodetic control considerations
5. Identify a standard products (Color, Color-IR, B/W, Oblique, High Res (4-8"), Low Res (12"+))
6. Develop scenarios for completing imagery coverage for the state
7. Identify, evaluate, data collection providers
8. Request program cost estimates from solution/data providers (RFI)
9. Identify data stewards and responsibilities including storage and management strategies
10. Develop budget and assess fiscal funding cycles among stakeholders to address cash flow requirements
11. Market the business plan
12. Identify and pursue program funding source(s) and encumber funds.
13. Implement the acquisition project
14. Publish and share data through NebraskaMAP
15. Incorporate aspects of program into overall technical assistance and education outreach plans
16. Conduct program evaluation annually and make necessary programmatic adjustments

2.0 Benefits and Justification

2.1 Anticipated Benefits

They always say a picture is worth a thousand words. Ortho-imagery provides a useful tool for a variety of applications. Because many land features can be seen on an orthoimage, it can serve as a backdrop for visual reference purposes, saving the expense of creating vector files of features that are needed only for reference. Ortho-imagery can be used to compile vector themes photogrammetrically. The following are just a few anticipated benefits from this program:

- Product that everyone recognizes and can associate with in assisting them with business needs
- Improved consistency of imagery products, confidence and reliability in quality imagery data for visual registration of geospatial by-products
- Standardized formats for storage and distribution
- Elimination of potential duplicative data collection projects
- Broad distribution to support state spatial data needs
- Improved taxpayer satisfaction through partnership effort to reduce costs on collective imagery
- Planned program helps budget and local planning expectations and timelines
- Projects that go across multiple jurisdictions in use of planning. For example, MAPA projects and even other states like Iowa. This can shorten the time frame on data collection and planning.
- Homeland security, public safety and other emergency management applications.

Specific Benefits to Counties

- Provide coordination of imagery programs to maximize purchase power and data sharing
- Provide for streamlined contracts and efficiently RFPs,
- Single source coordination through other federal initiatives such as IFTN.
- Technical assistance and framework data modernization efforts are also in sync with other NESDI efforts.