Sample Project Descriptions and Maps
for BEAD Environmental and Historic Preservation (EHP) Review

This document is intended solely to assist recipients in better understanding the Broadband Equity, Access, and Deployment (BEAD) Program and the requirements set forth in the Infrastructure Investment and Jobs Act, Notice of Funding Opportunity (NOFO), as modified by the BEAD Restructuring Policy Notice (RPN). This document does not and is not intended to supersede, modify, or otherwise alter applicable statutory or regulatory requirements, the terms and conditions of the award, or the specific application requirements set forth in the NOFO not modified by the RPN. In all cases, statutory and regulatory mandates, the terms and conditions of the award, and follow-on policies and guidance, shall prevail over any inconsistencies contained in this document.

NTIA

JANUARY 2026

Project Map and Description Overview

Environmental Screening and Permitting Tracking Tool (ESAPTT) ***Grants Project Records*** must contain both summary and detailed project descriptions and maps to support NEPA approval.

- The ***Project Description Summary*** (text box) will be incorporated into the NEPA decision memo. If bulk uploaded from the Final Proposal, it may require revision.
- ***Project Map*** and ***Project Description*** file uploads will be reviewed for NTIA NEPA approval.

Follow the guidance and templates below to ensure the adequacy of these key elements.

PROJECT DESCRIPTION SUMMARY

The **ESAPTT Project Description Summary** should describe, in 1,000 characters or less, the infrastructure elements and activities subject to environmental review, including the number of locations being served, the technology type, the deployment method, and relevant contextual information. Data bulk uploaded from BEAD Final Proposals may be manually edited to provide sufficient summary information for the NEPA memo.

PROJECT MAP OVERVIEW

The project map uploaded to ESAPTT must be:

- **Complete** and **sufficiently scaled** to support the environmental analyses
- **Specific to the subject project** (BEAD Project ID or NEPA Project) **area**
- **Illustrative of all routes, locations, and footprints of federally-funded project infrastructure** *(e.g., fixed wireless project maps must show the limit and extent of all ground disturbance, not just Broadband Serviceable Locations served.)*
- **Clearly keyed/labeled by technology types** and **existing versus new infrastructure**

DETAILED PROJECT DESCRIPTION OVERVIEW

The detailed project description uploaded to ESAPTT must clearly describe:

- **What will be constructed** *(e.g., a 150' monopole communication tower)*
- **Where work will occur** by address *(e.g., 123 Main Street)* or extent of project limits *(e.g., the route the project will follow with access roads and staging areas used)*
- **The site and surrounding area** *(e.g., developed land vs. open space; adjacent natural resources, such as rivers, wetlands, or forests; and any protected lands)*, with **maps and photographs** as appropriate
- **How the project will be implemented** *(e.g., installation of a concrete pad, an equipment shed, and an emergency generator with a 400-gallon above-ground fuel storage tank requiring 1-acre of disturbance at approximately 5 feet depth)*

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Sample ESAPTT Project Description Summary (Buried Fiber)
Installation of 58 miles of buried fiber optic cable in a previously disturbed, existing road right-of-way along Route 42 from Dalton to Marysville to serve 35 residences in Whitefield and Murray Counties, Example State.

Sample ESAPTT Project Description Summary (Tower Project)
Construction of two monopole and two lattice communication towers to serve 240 residences between Willows City and Copper City, in New County, Example State.

Sample Detailed Project Description (Buried Fiber)

The Marysville Fiber Optic Network would install 58 miles of buried fiber optic cable in a previously disturbed, existing road right-of-way along Route 42 from Dalton to Marysville in Whitefield and Murray Counties, Example State. The project would install new conduit for the cable using primarily a vibratory plow; ground disturbance from plowing is estimated to be 6” wide and up to 36” deep, with the trench being immediately filled in and covered. Handholes, level with the ground and measuring approximately 17” × 30” × 36”, would be installed every 5 miles. For the Marysville River crossing, the conduit would be mounted to the underside of the Marysville Bridge, a historic bridge originally constructed in 1927.

There are 2 drainage culverts along the proposed route, for which directional boring would be used to go underneath the culverts. The proposed route is in a previously disturbed area within the road shoulder, surrounded by woods and open fields from mile 19 to mile 37. The beginning and end of the proposed route are within developed areas with residential and commercial development on either side of the road shoulder.

There are no federal, state, or local public lands or protected/restricted uses within the proposed route. The Marysville River crossing would not require any activities to occur on or in the water.

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Sample Detailed Project Description (Tower Project)

The NewConnect project would construct 4 communication towers between Willows City and Copper City, in New County, Example State. Each tower would be a self-supporting structure, with two monopoles at 95’ and 120’ tall, and two lattice structures at 190’ and 210’ tall, with the latter including required safety marking and lighting. The two monopole tower sites (Towers 1 and 2) would be newly constructed within a 20’x20’ compound and would contain equipment sheds and 1,000 gallon above-ground diesel fuel storage tanks. The two lattice structure tower sites (Towers 3 and 4) are proposed in the vicinity of existing communications sites within the Mendocino National Forest. Depth of ground disturbance for each tower will vary but will not be greater than 20” in any location. Site design is being finalize and once the total estimate ground disturbance is known but is estimated at less than two acres total. There are no other protected lands in the proposed project area. The non-forest service tower sites are proposed in areas characterized by agriculture uses and open space. Tower site locations are provided below.

Tower	Location	Type
Tower 1 – Willows City	39°31'27.0"N 122°16'38.4"W	Monopole, 95’
Tower 2 – Elm Creek	39°36'45.2"N 122°31'48.2"W	Monopole, 120’
Tower 3 – Elder Springs	39°40'45.5"N 122°42'30.1"W	Lattice, 190’
Tower 4 – Copper City	39°43'02.9"N 122°48'47.5"W	Lattice, 210’

Sample Project Maps

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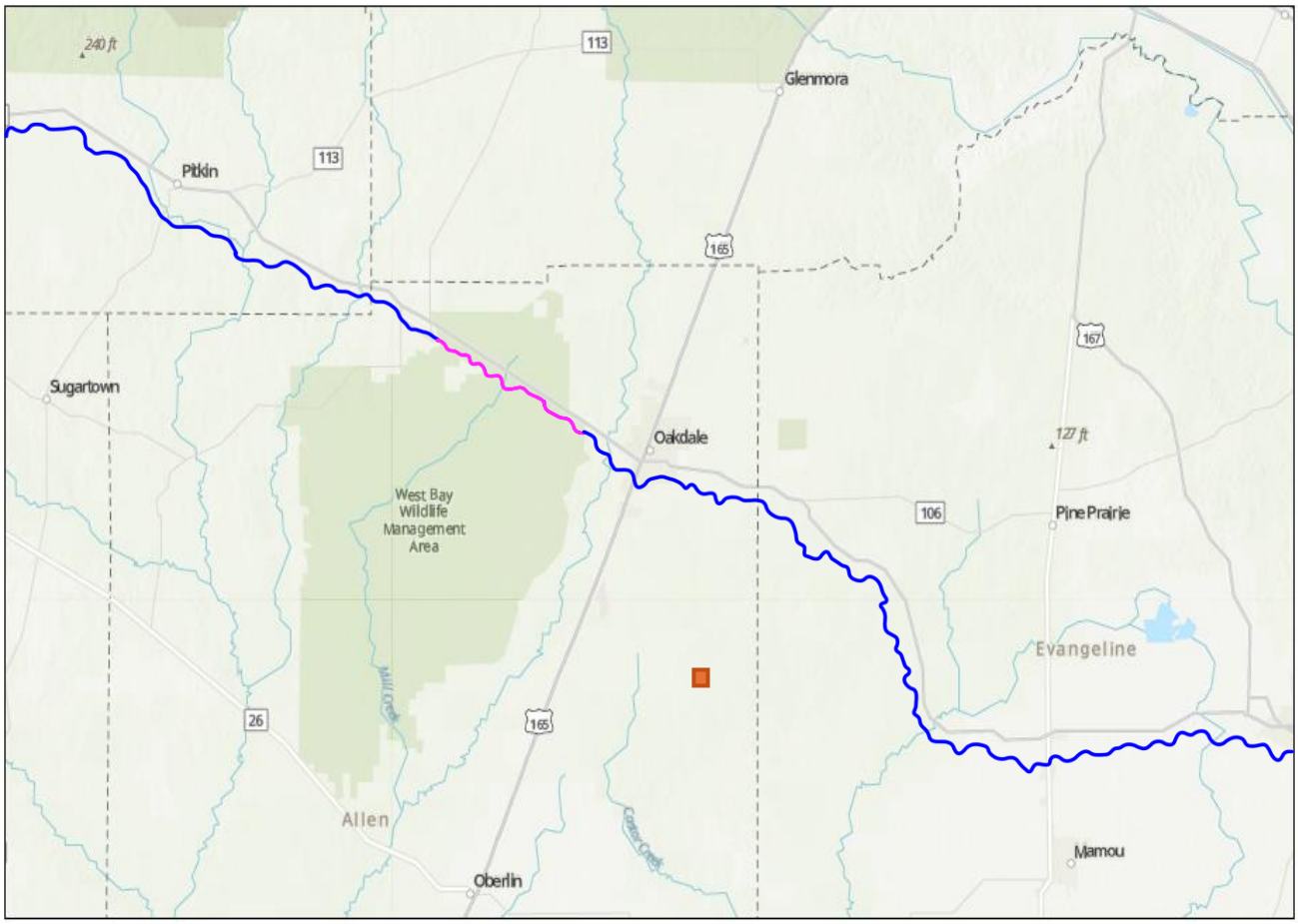
EXAMPLE PROJECT DEPLOYMENT MAP



Alignment (Project Technology Type)

- Terrestrial Buried Fiber (Vibratory Plow)
- Aerial Fiber (Existing Poles)
- Highway
- Parks, Preserves, and Refuges
- Wireless Tower

1:330,425

0 2.25 4.5 9 mi

0 3.75 7.5 15 km

Esri, NASA, NGA, USGS, Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community

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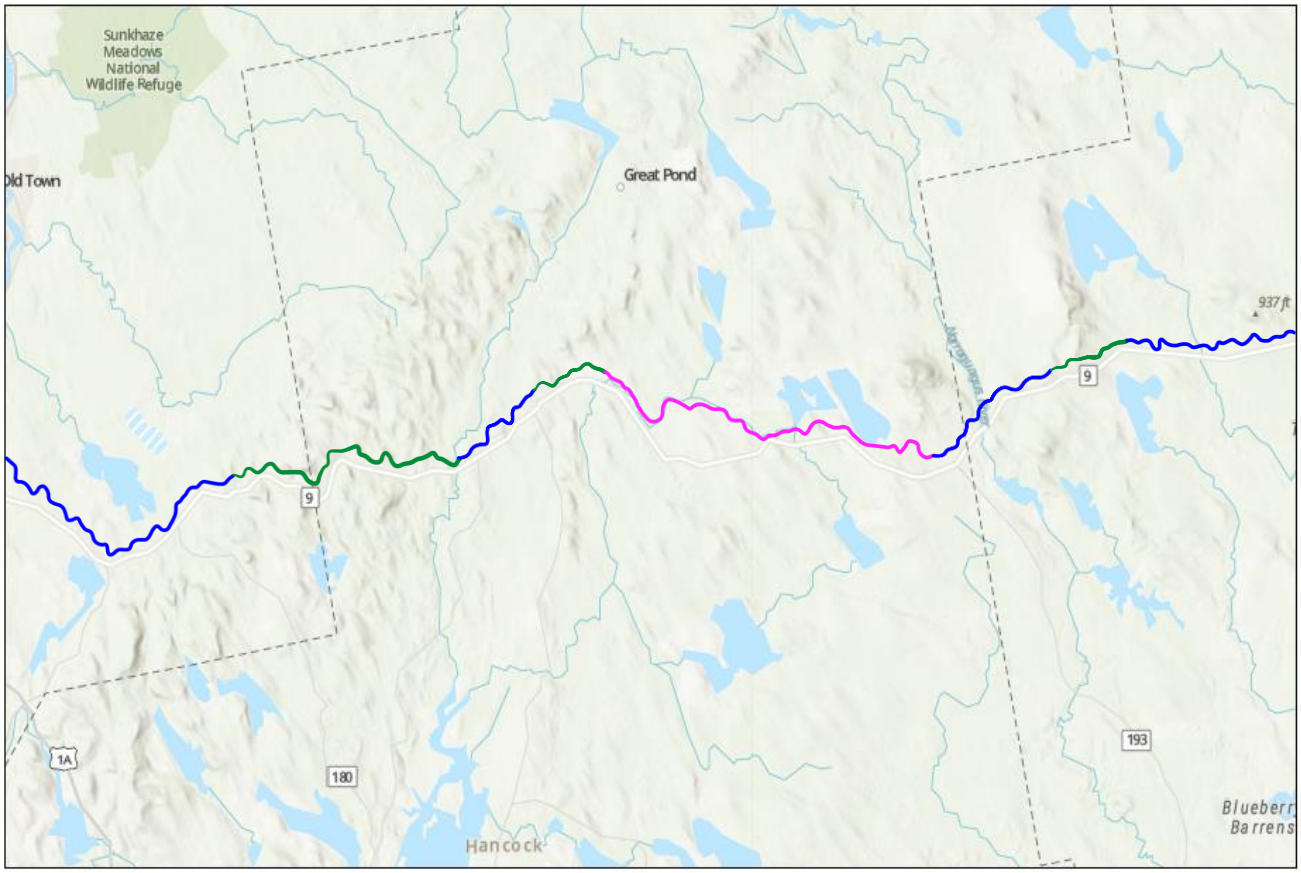
EXAMPLE PROJECT DEPLOYMENT MAP



Alignment (Project Technology Type)

- Terrestrial Buried Fiber (Vibratory Plow)
- Aerial Fiber (Existing Poles)
- Terrestrial Buried Fiber (Horizontal Drilling)
- Highway
- Parks, Preserves, and Refuges

1:330,425

0 2 4 8 mi

0 3.25 6.5 13 km

Esri, NASA, NGA, USGS, Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community

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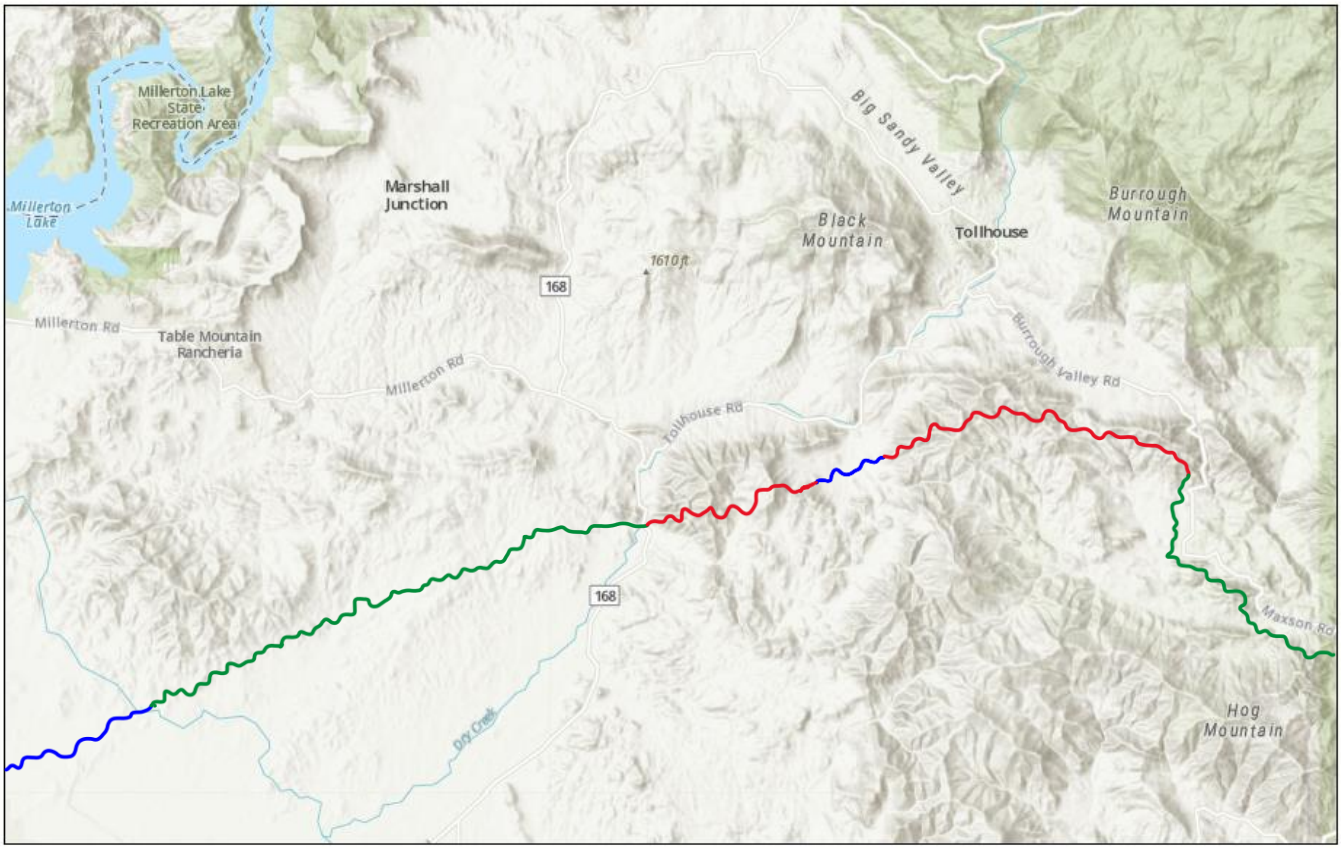
EXAMPLE PROJECT DEPLOYMENT MAP



Alignment (Project Technology Type)

- Terrestrial Buried Fiber (Vibratory Plow)
- Terrestrial Buried Fiber (Horizontal Drilling)
- Terrestrial Aerial Fiber (New Poles)

Highway

1:165,212

0 1 2 4 mi

0 1.75 3.5 7 km

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