

## **Scope of Work**

Develop a set of plans to construct the permanent placement of the two multi-plate culverts at Burma Pit Road with (1) 15x70 culvert and (1) 12x70culvert. This is a FEMA funded project in which the scope defines the quantities, as attached. Design to these specific constraints using the State of Alaska DOT&PF Standard Specifications for Highway Construction 2004 Edition and the FHWA guidelines for lump sum projects, which is available on line at [www.dot.state.ak.us/stwddes/dcspecs/resources.shtml](http://www.dot.state.ak.us/stwddes/dcspecs/resources.shtml) All drawings will be stamped by a registered engineer, licensed in the State of Alaska.

During the storm event, the original culvert was washed downstream 400' from the exiting temporary culverts. This contract will include removal and disposal of the original culvert. The emergency temporary repairs in this creek were made using undersize culverts.

## **Environmental**

These culverts are fish passage pipes. This contract will include obtaining all Environmental permits required prior to beginning construction.

## **Materials**

The culverts will be protected with geofabric and covered with Class II Rip Rap bank and slope protection. The existing Rip Rap may be salvaged, but additional Rip Rap will be necessary.

The finished roadway surface will consist of 6" of base course D-1, placed on a minimum of 24" of borrow over the highest point of the culverts.

All material sources and material usage permits will be acquired prior to construction.

## **Utilities**

The contractor will be responsible for the public notices for work and road closures. The consultant will locate all utilities, optical cables, electric, & sewer.

The project completion date: Oct. 1, 2009.

Plan Notes:

1. The Contractor must supply the Engineer with all permits prior to beginning the work.
2. Culvert inlet and outlet elevations will be determined designed based on the Thawag survey and per permit requirements.

Plan Set Index Example

1. Cover sheet with location map
2. Estimate of Quantities and Notes
3. Culvert Layout Plan
4. Culvert Typical Section and Details
5. Erosion and Sediment Control Plan Notes
6. Traffic Control Plan