Alaska Industrial Development and Export Authority

April 29, 2019

Mr. Timothy Hammond
Bureau of Land Management
Central Yukon Field Office
222 University Avenue
Fairbanks, AK 99709

Re: Modification to AIDEA AMDIAP SF299 Communications Application Amendment

Dear Mr. Hammond:

Attached is a proposed amendment to the SF299 application submitted by the Alaska Industrial Development and Export Authority (AIDEA) for the Ambler Mining District Industrial Access Project (AMDIAP). This amendment addresses communications facilities associated with the proposed road project. Please note that all of the facilities proposed in the amendment are located within the disturbance footprint outlined in the original SF299 application for the road.

AIDEA has received a sheet of information the Bureau of Land Management (BLM) has requested for this amendment. Exhibit A attached lists where the information requested can be found either in the original SF299 submittal, the amendment, or in the exhibit itself.

I hope this provides the necessary information for BLM review of this amendment.

Sincerely,

Jeffrey San Juan
AIDEA Project Manager

Attachment: Exhibit A. Information for BLM SF299 Application Communications Amendment

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Exhibit A. Information for BLM SF299 Application Communications Amendment

- Provide a map indicating where the fiber optic line would be installed, the site of regeneration sites, and man holes. – *See Attachment 3 in the SF299 Application Communications Amendment.*
    - Explain why the line would be installed in the bed of the road versus the side of the road. - *The fiber optic line would be installed in the bed of the road to minimize the footprint of the project and minimize wetland impacts of the project that would result from placing the fiber optic line out to the side of the road.*
- Describe in detail how the line would be installed, the type of equipment used, and type of vegetation removal.
  See Section 7(g) of the SF299 Application Communications Amendment. Equipment used would include a backhoe or small excavator for hand hole construction, a reel trailer for spooling duct and a small jetting machine with an air compressor and a reel trailer with cable drum to spool fiber (below), a boring machine for under river crossings (see below), and a boom truck or crane for communication tower erection.

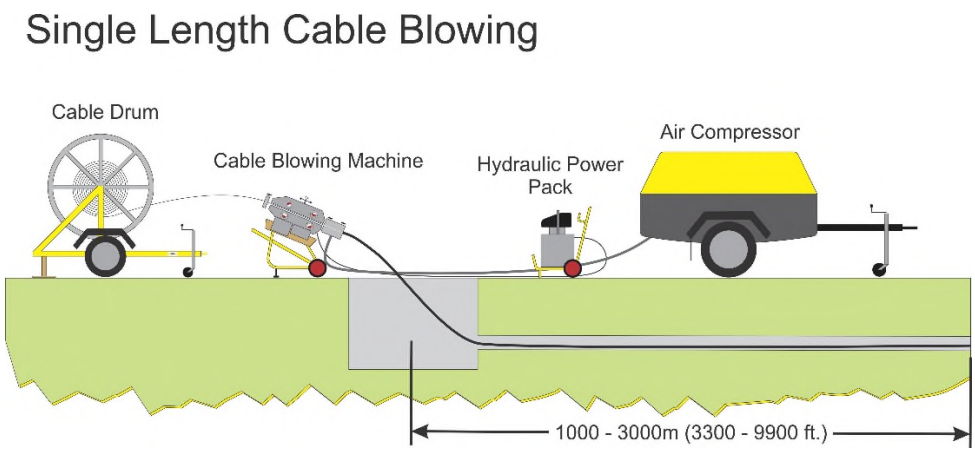

Figure 1-Fiber Optic Installation

Figure 2 - Typical Boring Equipment

- What is width of fiber optic line? – *The fiber optic duct would be 2 inches in diameter.*

- Would you need a wider working area or use road storage/staging areas? – *All activities for installation of communications equipment would be within the areas identified for construction and staging of the AMDIAP road project.*

- Description of how many regeneration sites and the total footprint of the communications sites.
  - Dimensions for entire regeneration site footprint – *Regeneration equipment would be located within a 11-foot by 11-foot hut located within the maintenance station footprints (see Figures 4 and 7). Other communications elements within the maintenance stations include a radio tower and a satellite dish. A generator hut and a hut with equipment for radio communications equipment would also be sited with the communications towers located at material sites (see Figure 8).*
  - Dimension of the hut – *The communications huts with the regeneration equipment would like be 11-foot by 11-foot and located within the maintenance station.*
  - Color of the hut – *The huts would likely be pre-fabricated structures in grey or tan.*
  - Equipment housed in the hut – *See Figure 4 in the SF299 Application Communications Amendment.*
  - Source of fuel – *Each maintenance station would have generators and fuel storage as noted in the original SF299 application. The generators and fuel supplies at these facilities would be sufficient to support the required communications equipment. Radio communication towers not located in a maintenance station would have a 4,000-gallon above ground fuel tank. (see Figure 8).*
  - Size of fuel tanks and type of containment – *As noted in the original SF299 application, there would be fuel storage at the maintenance stations. We estimate there would be one to two 10,000-gallon diesel tanks and a 4,000-gallon gas tank. Each communication tower at a material site would have a 4,000-gallon fuel tank for the generator. All tanks would be double-walled aboveground storage tanks within lined dikes.*
  - Maintenance plan – *See Section 7(i) of the SF299 Application Communications Amendment.*
  - Location of spur roads from regeneration site to main road? How long and wide? – *The communications facilities would use the spur roads constructed for maintenance stations and material sites.*

2. Would site be fenced? – *Yes. Maintenance stations and material sites would be fenced.*
3. How many man holes and how far apart? *Hand holes would be placed approximately every mile. See Table 1 in SF299 Application Communications Amendment.*
4. Size of man hole – *See Figures 2 and 3 in Application Communications Amendment. The hand holes are 3-foot-wide by 4-foot-long by 3-foot tall and would be buried within the road embankment.*
5. How would manhole be dug, what type of equipment, what size of hole? *The fiber optic hand holes will be dug using standard construction equipment, such as a backhoe or small excavator. See Figures 2 and 3 in Application Communications Amendment. The hand holes are 3-foot-wide by 4-foot-long by 3-foot tall and the hole dug would be approximately 8'x4'x4'.*

6. What is requested term of authorization? *The authorization is the same as the AMDIAP project over – 50 years.*