

SECTION A. Project Title: ATR Complex TRA-1650 Dial Room Replacement R1

SECTION B. Project Description and Purpose:

Revision 1

This project addresses telecommunications, power, and HVAC for the relocation of the existing ATR Complex TRA-614 dial room to a new facility. The proposed building will replace the existing dial room and its telecommunications functions. The dial room will house and provide environmental protection for the telecommunication system at ATR Complex. The facility will be a minimum of 34'x30' (approximately 1,020 sq. ft.). The location of the building will be within proximity to the ATR Complex telecommunications, electrical and security duct bank systems and existing duct bank access to serve buildings currently served from TRA-614 Dial Room. A standby diesel generator will be required as part of this installation.

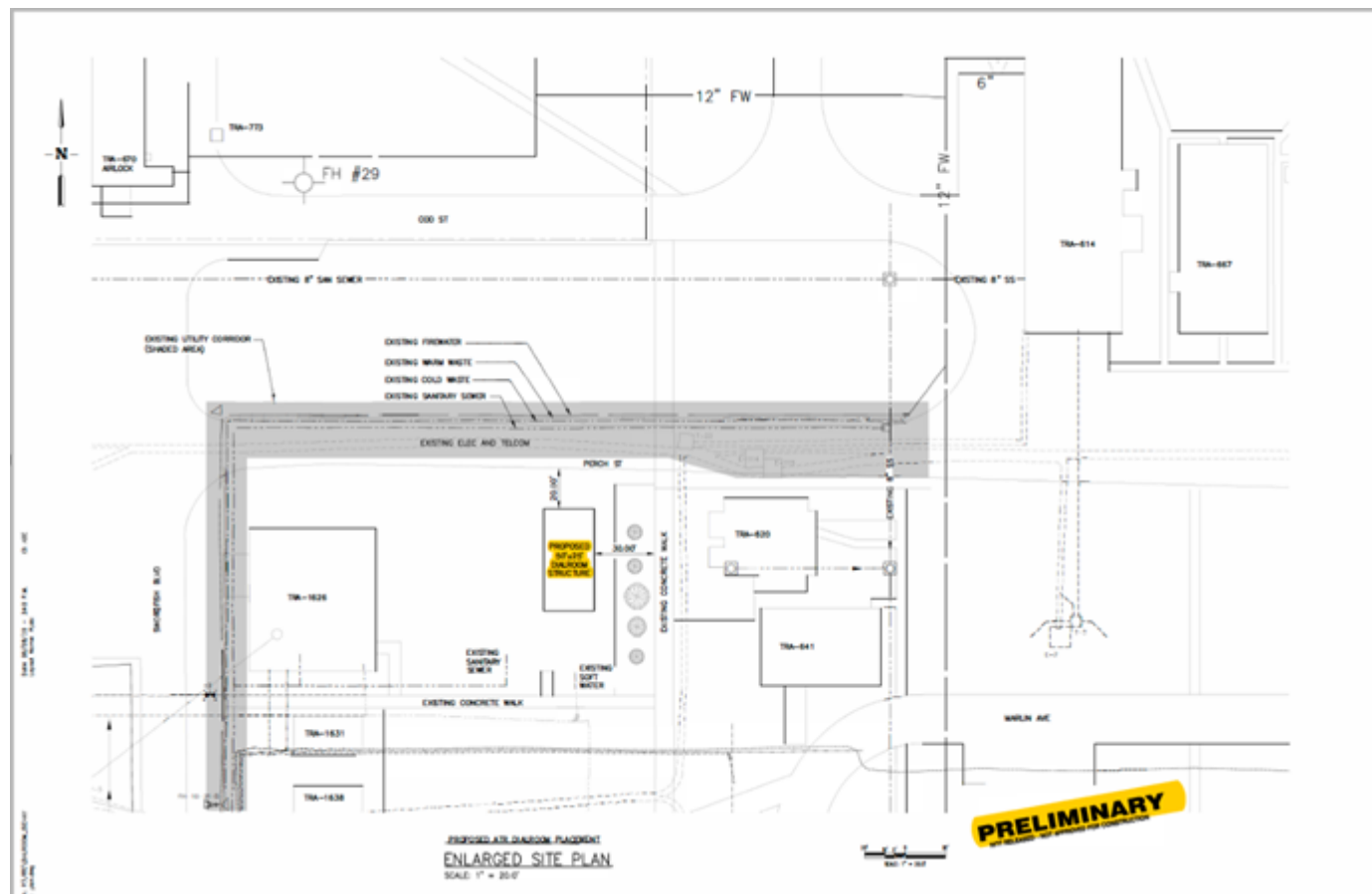
Original ECP

Idaho National Laboratory (INL) Telecommunications Transport Infrastructure includes 220 miles of DOE-owned fiber backbone networks, 50 miles of leased fiber networks, and four Point of Presence dial rooms residing in buildings on the average of 50 years old. Due to the age of these dial rooms and a wide variety of other issues and limitations, INL would have difficulty funding and maintaining the infrastructure.

The most schedule and cost effective solution for INL's future mission is to convert operation and management of existing telecommunication transport infrastructure to a purchased digital transport and communication integrated service. This service will provide mission-enabling, high quality, reliable, scalable and professionally managed telecommunication transport of data through state of the art infrastructure that will support critical research, while replacing rapidly aging data transport infrastructure at INL.

The proposed project will install a new pre-fabricated dial room at ATR Complex. The structure will sit to the west of TRA-620, east of TRA-1626 and south of Perch street (see Figure 1.). A gravel pad will be constructed where the building will sit, trenching will be required for running new fiber optic cable and to connect power to the new structure. This trenching will be determined during the design phase but would most likely tie into the closest adequate tie in point. A backup emergency generator that is also owned and operated by INL will be located at the building site.

Figure 1.



SECTION C. Environmental Aspects or Potential Sources of Impact:

Air Emissions

Fugitive dust may be created while excavating for the dial room pad, fiber line, and power line. All reasonable precautions will be taken to control fugitive dust.

Combustion emissions from the emergency diesel generator.

Discharging to Surface-, Storm-, or Ground Water

NA

Disturbing Cultural or Biological Resources

Cultural: A Section 106 review for the relocation of the existing ATR Complex TRA-614 dial room to a new facility was completed under CRMO project number BEA-20-H181 R1 and resulted in no historic properties affected.

Generating and Managing Waste

When wastes are generated, how they are disposed can adversely affect the environment. Managing wastes appropriately and responsibly and implementing recycling or reuse practices, where feasible, during project activities can reduce the potential impact on the environment.

Typical construction waste such as concrete, wood, RCRA empty marking paint cans, cardboard, scrap metal, wire, etc. may be generated on this project. Hazardous waste is not expected.

Releasing Contaminants

When chemicals are used during the project there is the potential for spills that could impact the environment (air, water, soil). Chemicals such as fuels, lubricants, paints, adhesives, sealants, etc. may be used during the project. Spills from these chemicals are possible.

Using, Reusing, and Conserving Natural Resources

Project description indicates materials will need to be purchased or used that require sourcing materials from the environment. Being conscientious about the types of materials used could reduce the impact to our natural resources. Scrap metal/wire may be generated during construction activities.

SECTION D. Determine Recommended Level of Environmental Review, Identify Reference(s), and State Justification: Identify the applicable categorical exclusion from 10 Code of Federal Regulation (CFR) 1021, Appendix B, give the appropriate justification, and the approval date.

For Categorical Exclusions (CXs), the proposed action must not: (1) threaten a violation of applicable statutory, regulatory, or permit requirements for environmental, safety, and health, or similar requirements of Department of Energy (DOE) or Executive Orders; (2) require siting and construction or major expansion of waste storage, disposal, recovery, or treatment or facilities; (3) disturb hazardous substances, pollutants, contaminants, or Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA)-excluded petroleum and natural gas products that pre-exist in the environment such that there would be uncontrolled or unpermitted releases; (4) have the potential to cause significant impacts on environmentally sensitive resources (see 10 CFR 1021). In addition, no extraordinary circumstances related to the proposal exist that would affect the significance of the action. In addition, the action is not "connected" to other action actions and is not related to other actions with individually insignificant but cumulatively significant impacts.

References: B1.15 "Support buildings"

Justification: Based on the purpose and need and description of the proposed action and potential environmental impacts, the proposed action fits within the class of actions that is listed in Appendix B CX B1.15. There are no extraordinary circumstances related to the proposed action that may affect the significance of the environmental effects of the proposal (10 CFR 1021.410(b)(2)). The proposed action has not been segmented to meet the definition of a categorical exclusion (10 CFR 1021.410(b)(3)). This proposal is not connected to other actions with potentially significant impacts, is not related to other actions with individually insignificant but cumulatively significant impacts, and is not precluded by 10 CFR 1021.211 concerning limitations on actions during preparation of an environmental impact statement (10 CFR 1021.410(b)(3)).

Authorizing the proposed action will not (1) threaten a violation of applicable statutory, regulatory, or permit requirements for environment, safety, and health, including DOE and/or Executive orders; (2) require siting of new facilities or expansion of existing facilities; (3) disturb hazardous substances, pollutants, or contaminants; (4) adversely affect environmentally sensitive resources; or (5) involve genetically engineered organisms, synthetic biology, governmentally designated noxious weeds, or invasive species.

DOE-ID NEPA CX DETERMINATION
Idaho National Laboratory

Page 3 of 3

CX Posting No.: DOE-ID-INL-20-074 R1

B1.15 Support buildings. Siting, construction or modification, and operation of support buildings and support structures (including, but not limited to, trailers and prefabricated and modular buildings) within or contiguous to an already developed area (where active utilities and currently used roads are readily accessible). Covered support buildings and structures include, but are not limited to, those for office purposes; parking; cafeteria services; education and training; visitor reception; computer and data processing services; health services or recreation activities; routine maintenance activities; storage of supplies and equipment for administrative services and routine maintenance activities; security (such as security posts); fire protection; small-scale fabrication (such as machine shop activities), assembly, and testing of non-nuclear equipment or components; and similar support purposes, but exclude facilities for nuclear weapons activities and waste storage activities, such as activities covered in B1.10, B1.29, B1.35, B2.6, B6.2, B6.4, B6.5, B6.6, and B6.10 of this appendix.

Approved by Robert Douglas Herzog, DOE-ID NEPA Compliance Officer on: 7/1/2025