

DOE-ID NEPA CX DETERMINATION

Idaho National Laboratory

SECTION A. Project Title: ATR Parking Lot Refurbishment and Expansion

SECTION B. Project Description and Purpose:

The current ATR Complex parking lot configuration needs to be updated to provide for more efficient use of parking space, allow for multiple vehicle type maneuvering capabilities and provide safer pedestrian routes and congregation areas. One of the primary reasons for the project is to address pedestrian safety. The existing lot requires pedestrians to cross rows of vehicle traffic lanes resulting in conflicts between vehicles and pedestrians.

The proposed parking lot changes would provide more employee parking stalls, create a heavy equipment staging area, a contractor vehicle queue for facility entrance and would allow for future flexibility and scalability of each vehicle pattern. In addition, a pedestrian collector area would be added to provide a safe pedestrian zone away from traffic flow.

The reconfigured expanded parking lot would include the following four distinct areas:

Employee Parking Stalls that include a minimum of 300 employee parking stalls including slots for electric vehicles (with charging stations), government vehicles, United Way volunteers and motorcycle parking.

Contractor Vehicle Queue that provides a minimum of 12 contractor vehicle stalls where vehicles can wait and stage prior to entering the ATR Complex security bay.

Bus Operations area that provides a minimum of 10 bus drop off stalls for the daily unloading and loading of employees. This area will include the pedestrian collection area with solar weather canopy.

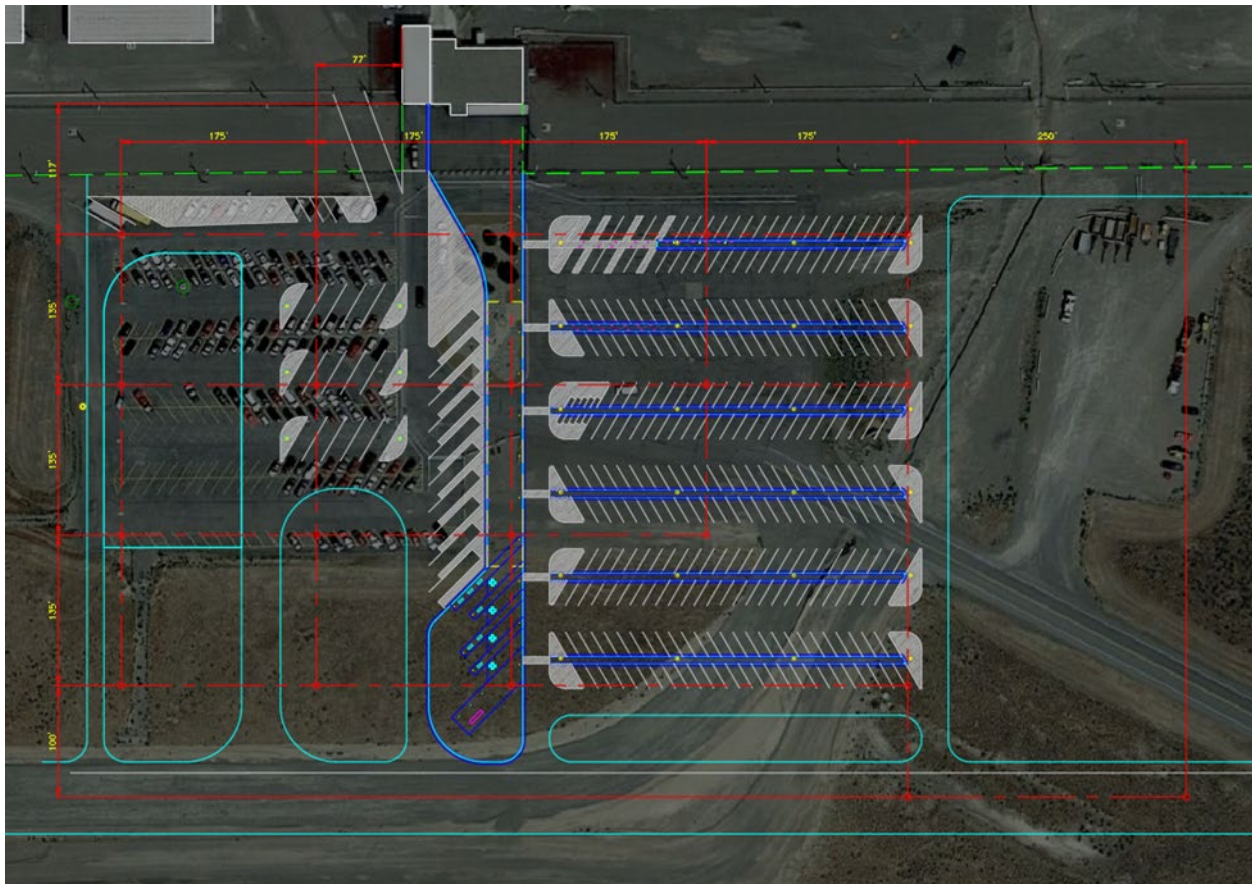
Heavy Equipment Staging Area that provides a minimum of 30,000 square feet of staging area for heavy equipment (this will be relocated from the current location on the far eastside of the existing parking lot).

A storm water rock basin will be installed for parking lot storm water runoff.

The parking lot will be expanded to the south by approximately 3.5 acres adjacent to the RHLLW facility entry road (See figure 1 for the future layout). The RHLLW access road will be extended to tie into Monroe Blvd., to include an adjacent temporary detour road.

Subsurface characteristics will need to be determined and this geotechnical investigation will take place under a service contract prior to the construction contract. Approximately 20 boreholes will be drilled to a depth of no more than 15 ft. for this subsurface evaluation. (See figure 1. below, red dots indicate drilling locations).

Figure 1.



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SECTION C. Environmental Aspects or Potential Sources of Impact:

Air Emissions

Fugitive dust may be generated while excavation activities take place.

Discharging to Surface-, Storm-, or Ground Water

The project includes construction of a storm water rock basin that will capture parking lot storm water runoff. French drains or shallow injection wells are not part of this project. The ATR Complex parking lot is not part of the INL storm water corridor so SWPPP requirements do not apply.

Bore holes drilled for the purpose of collecting soil samples above the water table are not considered wells under the current regulation. However well construction memorandum no. 9 was issued by the state of Idaho requiring these boreholes to be decommissioned in accordance with the minimum standards which is filling the bore holes with approved seal material to the ground surface. Approved seal material includes bentonite or neat cement.

Disturbing Cultural or Biological Resources

The expansion of the ATR Complex parking lot and drilling of the geotechnical boreholes to the south will have the potential to disturb cultural and biological resources.

Generating and Managing Waste

Industrial waste such as concrete, asphalt, soil, concrete barriers, etc. will be generated. Hazardous waste is not expected.

Releasing Contaminants

Chemicals such as fuels, marking paint, traffic paint, lubricants, etc. will be used on the project and there is a potential for spills of these chemicals.

The project location will disturb soil in unexploded ordnance site ORD-03 and borehole drilling will not be deep enough to disturb the WAG 2 Groundwater and Drilling IC Area.

Using, Reusing, and Conserving Natural Resources

Scrap metal will be sent for recycle as practical.

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 (40 CFR 1508.25(a)(1)) and is not related to other actions with individually insignificant but cumulatively significant impacts (40 CFR 1608.27(b)(7)).

References:

National Environmental Policy Act (NEPA) Implementing Procedures, Final Rule, 10 CFR 1021, Appendix B to Subpart D, Categorical Exclusions B1.15 "Support buildings." and B3.1 "Site characterization and environmental monitoring."

Justification:

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.

B3.1 Site characterization and environmental monitoring. Site characterization and environmental monitoring (including, but not limited to, siting, construction, modification, operation, and dismantlement and removal or otherwise proper closure (such as of a well) of characterization and monitoring devices, and siting, construction, and associated operation of a small-scale laboratory building or

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renovation of a room in an existing building for sample analysis). Such activities would be designed in conformance with applicable requirements and use best management practices to limit the potential effects of any resultant ground disturbance. Covered activities include, but are not limited to, site characterization and environmental monitoring under CERCLA and RCRA. (This class of actions excludes activities in aquatic environments. See B3.16 of this appendix for such activities.) Specific activities include, but are not limited to: Geological, geophysical (such as gravity, magnetic, electrical, seismic, radar, and temperature gradient), geochemical, and engineering surveys and mapping, and the establishment of survey marks. Seismic techniques would not include large-scale reflection or refraction testing; Installation and operation of field instruments (such as stream-gauging stations or flow-measuring devices, telemetry systems, geochemical monitoring tools, and geophysical exploration tools); Drilling of wells for sampling or monitoring of groundwater or the vadose (unsaturated) zone, well logging, and installation of water-level recording devices in wells; Aquifer and underground reservoir response testing; Installation and operation of ambient air monitoring equipment; Sampling and characterization of water, soil, rock, or contaminants (such as drilling using truck- or mobile-scale equipment, and modification, use, and plugging of boreholes); Sampling and characterization of water effluents, air emissions, or solid waste streams; Installation and operation of meteorological towers and associated activities (such as assessment of potential wind energy resources); Sampling of flora or fauna; and Archeological, historic, and cultural resource identification in compliance with 36 CFR part 800 and 43 CFR part 7.

Is the project funded by the American Recovery and Reinvestment Act of 2009 (Recovery Act) Yes No

Approved by Jason L. Anderson, DOE-ID NEPA Compliance Officer on: 07/21/2022