

DOE-ID NEPA CX DETERMINATION

Idaho National Laboratory

SECTION A. Project Title: EC 2847 TRA-658 VMF Upgrades

SECTION B. Project Description and Purpose:

This project is located at the ATR Complex, building TRA-658 Vehicle Monitoring Facility. This project can be separated into work to be performed within the TRA-658 building and work to be performed outside of the TRA-658 building. Work inside of the TRA-658 building includes the addition of two new rooms: the driver check-in area and the control room, located in the southwest corner of room 109. Interior work includes the cutting of a new door opening through the concrete wall of the vehicle corridor into the new driver check-in area.

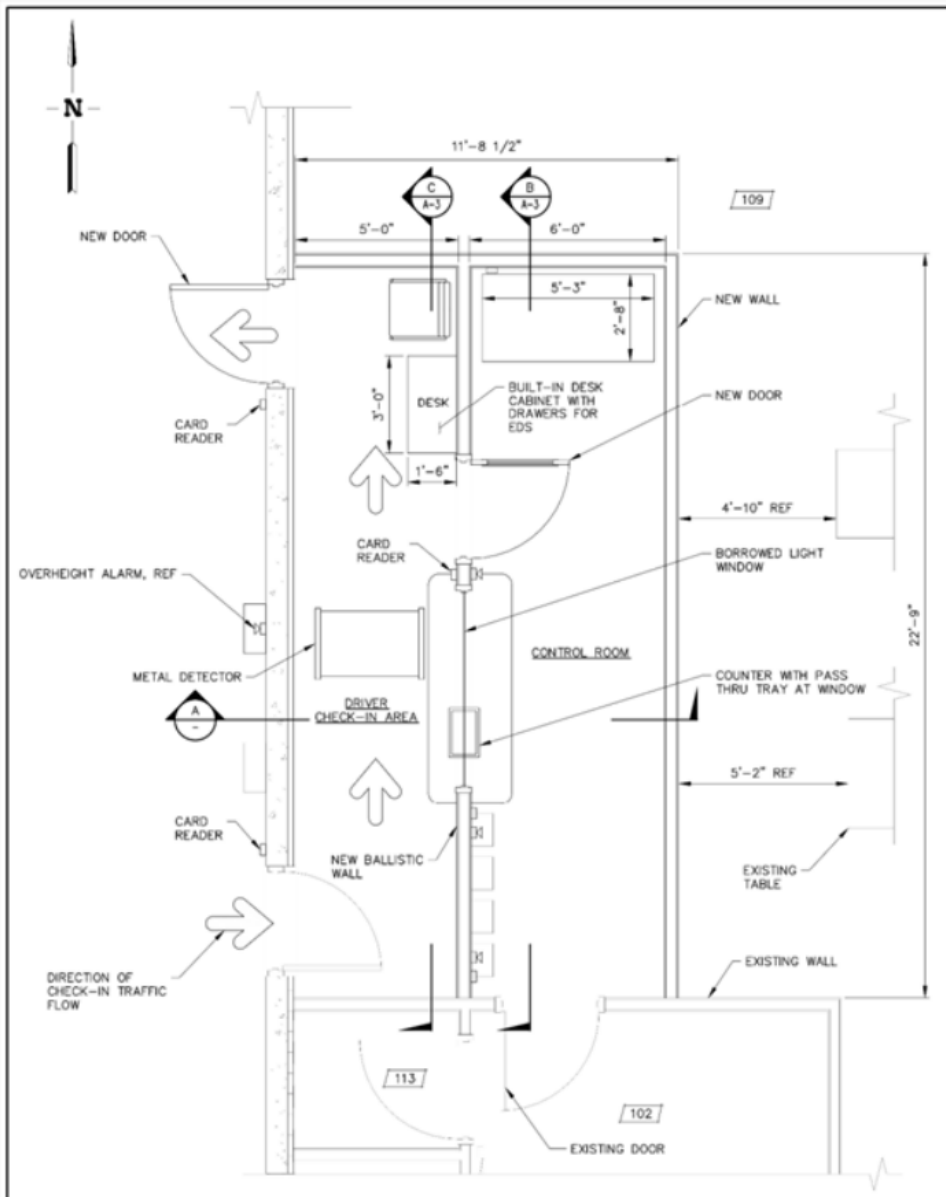


Figure 1.

Interior Plans One main piece of work will be completed outside of the TRA-658 building. This is the installation of a new gate at the south side of the VMF. The preferred gate option is the AutoGate M30 vertical pivot gate. This gate has the ability to control both vehicular and pedestrian traffic although this gate is not intended to be used as a pedestrian entrance. The gate assembly has a gate protection cage which prevents anything from occupying the space that the gate pivots into as it opens.

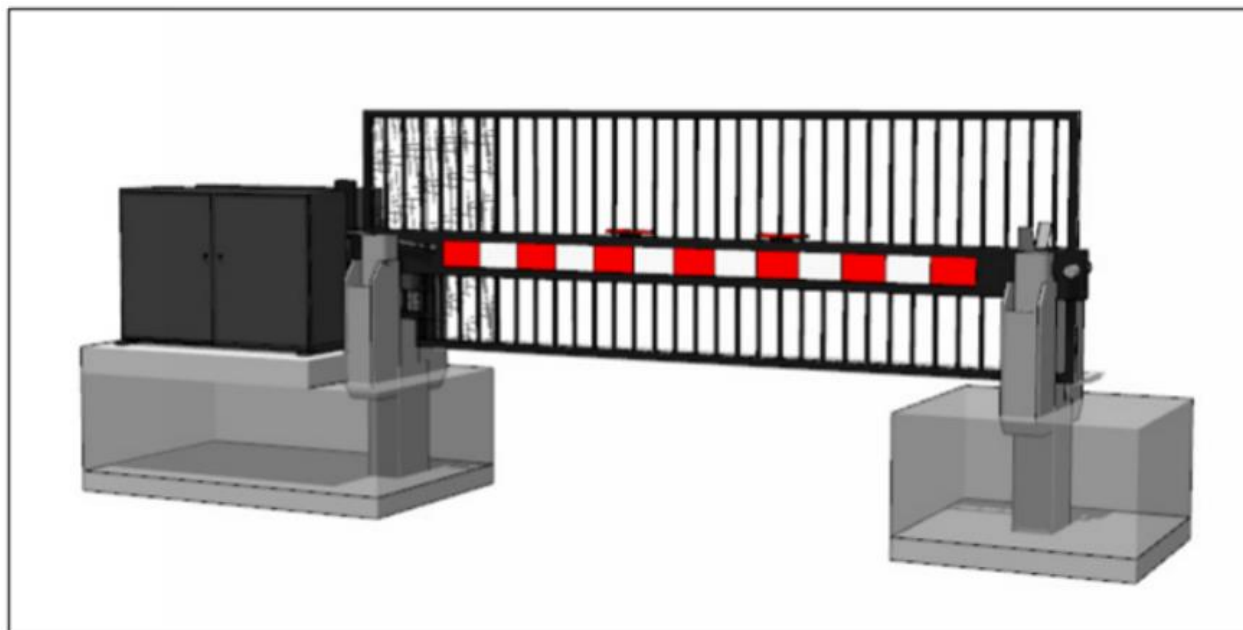


Figure 2. AutoGate M30

Other supporting work to be done outside of the TRA-658 building includes installation of vehicle sensing inductive loops on both sides of the south gate, installation of optical sensors at the south gate, installation of a call station for the south gate, relocation of the existing call station at the north gate, installation of a new height detection system on the north and south sides of the VMF, new light poles on the west side of the south vehicle corridor, and a new fence at the east side of the south vehicle corridor. The call station for the south gate is planned to be installed near the nearest light pole on the travel path in the new parking lot. The existing call station at the north gate is located too close to the existing vehicle sensing inductive loop at the north gate and vehicles at the call station interfere with the inductive loop while using the call station. This project includes moving the call station further to the north to stop vehicles from interfering with the inductive loop. A new vehicle height detection system with height sensors has been designed in a separate package. The installation of the height detection system will be included in this project. The new lighting to be installed at the vehicle corridor on the south side of the VMF includes two 30 foot light poles with 400 watt LED luminaires. See the attached conceptual design report for drawings of work.

SECTION C. Environmental Aspects or Potential Sources of Impact:

Air Emissions

This project has the potential to emit fugitive dust and combustion pollutants from mobile or portable engines.

Discharging to Surface-, Storm-, or Ground Water

NA

Disturbing Cultural or Biological Resources

Cultural: Pursuant to the 2023 Programmatic Agreement, this federal undertaking is excluded from Section 106 review as the proposed activity has little to no potential to cause effects to historic properties.

Biological: There is the potential for this work to impact vegetation and for project personnel to interact with various wildlife species. A nesting bird survey is required prior to the initiation of activities that might disturb soil or vegetation for activities taking place between April 1st and October 1st.

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.

Releasing Contaminants

When chemicals are used during the project there is the potential for spills that could impact the environment (air, water, soil).

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.

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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:

B1.15 "Support buildings"

Justification:

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.

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: 6/22/2023