



Environmental Review Form for Argonne National Laboratory

Form:	ANL-985
Version:	5
Your Form ID:	ANL-985-964
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Date:	6/19/2017 4:48:05 PM
Created By:	Rash, Philip C.

Creator

Badge:	37773	Name:	Rash, Philip C.
Cost Center:	501	Division:	FAC
Job Title:	Civil Engineer	Employee Type:	Regular Full-Time Exempt
Building:	202	Lab Extension:	2-8114

General Information

Project/Activity Title: Culvert Repair - 300 Area- Freund Brook & Foot Path
 ASO NEPA Tracking No.: 2593 Type of Funding: MR
 B & R Code: Identifying Number: 01656
 SPP Proposal Number: CRADA Proposal Number:
 Work Project Number: ANL Accounting Number: (Item 3a in Field Work Proposal)
 Other (explain):
 List appropriate NEPA Owners:
 Division: PMO NEPA Owner:

Financial Plans

To select a Financial Plan, click the magnifying glass icon to open a search window.
 Cost Center: **208** Project: **PRJ1000393 Major Repairs** Phase: **PH01 General** Task: **PT2911: Site Work**

Description of Proposed Action

The culvert is a dual pipe installation about 60 lineal feet long. About 24 lineal feet will need to be removed and re-installed in total on both sides of the foot path. The existing separated pipe will be removed, the sub-grade and sub-base rebuilt, the area backfilled, and the surface replanted. Work will occur in the creek and below the normal high water elevation. All the culvert material can be reused and the central sections of the concrete culvert under the foot path can remain undisturbed. Large rip-rap will be placed at the down stream outlet to control erosion. Additional, smaller rip-rap will be used at the culver inlet. The open surface area around the inlet and out outlet will be expanded to allow for easy inspection and maintenance. The open area as appropriate will be planted with native grasses.

Description of Affected Environment

This project will occur outdoors and involve work in and adjacent to a stream and in a wooded area. Excessive erosion is occurring at this time. The proposed repair will temporarily create some addition erosion. The overall impact to the area will be minimal, the area surfaces will be stabilized, and reduce erosion in the long run.

Potential Environmental Effects

- Attach explanation for each "yes" response near bottom of form.
- **See Instructions for Completing Environmental Review Form.**

Section A (Complete For All Projects)		Yes	No	Explanation
1.	Project evaluated for Pollution Prevention and Waste Minimization opportunities and details provided under items 2, 4,	<input checked="" type="radio"/>	<input type="radio"/>	Existing materials at the project site will be re-used. Other recycled materials will also be used.

	6, 7, 8, 16, and 20 below, as applicable			
2.	Air Pollutant Emissions	<input checked="" type="radio"/>	<input type="radio"/>	Standard gas and diesel powered equipment will be used for excavating, backfills and material transportation. Contractor will be advised to not allow excessive idling.
3.	Noise	<input type="radio"/>	<input checked="" type="radio"/>	
4.	Chemical/Oil Storage/Use	<input type="radio"/>	<input checked="" type="radio"/>	
5.	Pesticide Use	<input type="radio"/>	<input checked="" type="radio"/>	
6.	Toxic Substances Control Act (TSCA) Substances			
6a.	Polychlorinated Biphenyls (PCBs)	<input type="radio"/>	<input checked="" type="radio"/>	
6b.	Asbestos or Asbestos Containing Materials	<input type="radio"/>	<input checked="" type="radio"/>	
6c.	Other TSCA Regulated Substances	<input type="radio"/>	<input checked="" type="radio"/>	
6d.	Import or Export of Chemical Substances	<input type="radio"/>	<input checked="" type="radio"/>	
7.	Biohazards	<input type="radio"/>	<input checked="" type="radio"/>	
8.	Effluent/Wastewater (If yes, see question #12 and contact Peter Lynch (HSE) at 2-4582 or lynch@anl.gov)	<input checked="" type="radio"/>	<input type="radio"/>	The project is outside. During the course of the project, about 700 SF of earth will be disturbed. Erosion control measures will be taken for the exposed surfaces, but due to operations within the creek, some silt will enter the stream. An erosion control plan will be generated to manage the project.
9.	Waste Management			
9a.	Construction or Demolition Waste	<input checked="" type="radio"/>	<input type="radio"/>	Some trees and plant growth will be removed and recycled either at the job site or on the Argonne site. All excavated soil and pipe material will be re-used.
9b.	Hazardous Waste	<input type="radio"/>	<input checked="" type="radio"/>	
9c.	Radioactive Mixed Waste	<input type="radio"/>	<input checked="" type="radio"/>	
9d.	Radioactive Waste	<input type="radio"/>	<input checked="" type="radio"/>	
9e.	Asbestos Waste	<input type="radio"/>	<input checked="" type="radio"/>	
9f.	Biological Waste	<input type="radio"/>	<input checked="" type="radio"/>	
9g.	No Path to Disposal Waste	<input type="radio"/>	<input checked="" type="radio"/>	
9h.	Nano-material Waste	<input type="radio"/>	<input checked="" type="radio"/>	
10.	Radiation	<input type="radio"/>	<input checked="" type="radio"/>	
11.	Threatened Violation of ES&H Regulations or Permit Requirement	<input checked="" type="radio"/>	<input type="radio"/>	Due to the work being within a Jurisdictional Waterway, Freund Creek, a permit is required from the Corps. of Engineers.
12.	New or Modified Federal or State Permits	<input checked="" type="radio"/>	<input type="radio"/>	Excavation is required in a Jurisdictional Water Way.
13.	Siting, Construction, or Major Modification of Facility to Recover, Treat, Store, or Dispose of Waste	<input type="radio"/>	<input checked="" type="radio"/>	
14.	Public Controversy	<input type="radio"/>	<input checked="" type="radio"/>	
15.	Historic Structures and Objects	<input type="radio"/>	<input checked="" type="radio"/>	
16.	Disturbance of Pre-existing Contamination	<input type="radio"/>	<input checked="" type="radio"/>	
17.	Energy Efficiency, Resource Conserving, and Sustainable Design Features	<input checked="" type="radio"/>	<input type="radio"/>	Long term erosion control features will be incorporated into the design
Section B (For Projects that				

Occur Outdoors)		Yes	No	
18.	Threatened or Endangered Species, Critical Habitats, and/or other Protected Species	<input type="radio"/>	<input checked="" type="radio"/>	
19.	Wetlands	<input type="radio"/>	<input checked="" type="radio"/>	While the work is along and in a creek, the steepness of the shoulders of the creek do not allow the development of wetland conditions.
20.	Floodplain	<input checked="" type="radio"/>	<input type="radio"/>	The work will occur at the inlets and outlets of the culvert. As such, we will be working within the flood plain. No new structure will be added to the system. this action will only rebuild the culvert. However, it will remove two large pipe sections from the creek bed causing excessive flooding/erosion around the area.
21.	Landscaping	<input checked="" type="radio"/>	<input type="radio"/>	The area over the pipe culvert will be cleared of all trees. Bushes will be allowed if practicable. Otherwise, native grasses will be planted. There are not a lot of trees. Most have fallen due to the culvert failure. But some will need to be removed due to construction and the set up of good long term maintenance management of the area.
22.	Navigable Air Space	<input type="radio"/>	<input checked="" type="radio"/>	
23.	Clearing or Excavation	<input checked="" type="radio"/>	<input type="radio"/>	About 120 CY of soil will be removed and backfilled. Another approximately 40 SY of surface are will be cleared to provide an area for maintenance and culvert management. Several trees will need to be removed. The area will be replanted with native grasses or other plants appropriate for an open area within a wooded area. Rip-rap will be added up stream for temporary water control and used as a permanent stream bed re-enforcement and erosion control. down stream, large rip-rap and boulders will be used to control erosion down stream of the outlet.
24.	Archaeological Resources	<input type="radio"/>	<input checked="" type="radio"/>	
25.	Underground Injection	<input type="radio"/>	<input checked="" type="radio"/>	
26.	Underground Storage Tanks	<input type="radio"/>	<input checked="" type="radio"/>	
27.	Public Utilities or Services	<input type="radio"/>	<input checked="" type="radio"/>	
28.	Depletion of a Non-Renewable Resource	<input type="radio"/>	<input type="radio"/>	
Section C (For Projects Outside of ANL)		Yes	No	
29.	Prime, Unique, or Locally Important Farmland	<input type="radio"/>	<input checked="" type="radio"/>	
30.	Special Sources of Groundwater (such as sole source aquifer)	<input type="radio"/>	<input checked="" type="radio"/>	
31.	Coastal Zones	<input type="radio"/>	<input checked="" type="radio"/>	
32.	Areas with Special National Designations (such as National Forests, Parks, or Trails)	<input type="radio"/>	<input checked="" type="radio"/>	
33.	Action of a State Agency in a State with NEPA-type Law	<input type="radio"/>	<input checked="" type="radio"/>	
34.	Class I Air Quality Control Region	<input type="radio"/>	<input checked="" type="radio"/>	

Categorical Exclusion

ANL NEPA Reviewer Use Only

- My approval is the final approval necessary
- This form requires additional approval from DOE

To be Completed by DOE/ASO

Section D	Yes	No

Are there any extraordinary circumstances related to the proposal that may affect the significance of the environmental effects of the proposal?	<input type="radio"/>	<input checked="" type="radio"/>
Is the project connected to other actions with potentially significant impacts or related to other proposed action with cumulatively significant impacts?	<input type="radio"/>	<input checked="" type="radio"/>
If yes, is a categorical exclusion determination precluded by 40 CFR 1506.1 or 10 CFR 1021.211?	<input type="radio"/>	<input type="radio"/>
Can the project or activity be categorically excluded from preparation of an Environment Assessment or Environmental Impact Statement under Subpart D of the DOE NEPA Regulations?	<input checked="" type="radio"/>	<input type="radio"/>
If yes, indicate the class or classes of action from Appendix A or B of Subpart D under which the project may be excluded: 10 CFR Part 1021, Subpart D, Appendix B1.3 Routine maintenance---Erosion control and soil stabilization measures and B1.33 Stormwater Runoff Control		
If no, indicate the NEPA recommendation and class(es) of action from Appendix C or D to Subpart D to Part 1021 of 10 CFR.		

Attachments

File Description: General Site Location [View Attachment](#)

Comments

Work would occur within USACOE waters of the state and permit action is required. Please contact Peter Lynch, NPDES Permit and Storm water Pollution Prevention Plan coordinator.

Add Approver

Approver Name	Approver Badge	Reason	Delete

Notifications

The approval notification email will be copied to the people listed below.

Badge	Name	Division	Delete

ASO-CX Number

ASO-CX- 347

Comments:

This ERF CX approval is tracked as ASO-CX-347.

Approval

Approver	Action	Date Routed	Action Date	Approval Reason / Comments	Approval Type
Rash, Philip C.	APPROVED	2017-08-14	2017-08-14 09:16:12.0	Creator :	PRIMARY
Rash, Philip C.	APPROVED	2017-08-14	2017-08-14 09:16:12.0	Project Manager :	PRIMARY
Matton, Philip B.	APPROVED	2017-08-14	2017-08-21 10:37:21.0	NEPA Owner Approval for Argonne Environmental Review :	PRIMARY
Ptak, Jill S.	APPROVED	2017-08-21	2017-08-23 10:03:27.0	ANL NEPA Reviewer :	PRIMARY
Budd, Jason R. for Hellman, Karen B.	APPROVED	2017-08-23	2017-09-05 09:46:08.0	ANL-985 Review and Approval :	DELEGATE
Stine, Gail Y.	APPROVED	2017-09-05	2017-09-05 12:15:22.0	ANL-985 Review and Approval :	PRIMARY
Lee, Alice J. for Kearns, Paul K.	APPROVED	2017-09-05	2017-09-05 12:22:40.0	ANL-985 ANL COO Review and Approval :	DELEGATE

Joshi, Kaushik N.	APPROVED	2017-09-05	2017-09-12 15:31:26.0	ANL-985 DOE-ASO Review and Approval : This ERF CX approval is tracked as ASO-CX-346	PRIMARY
Siebach, Peter R.	APPROVED	2017-09-12	2017-09-14 14:00:29.0	ANL-985 DOE NEPA Compliance Officer Review and Approval : The correct ASO designation is ASO-CX-347	PRIMARY
