NPS Constructability Checklist

National Park Service (NPS) - Denver Service Center (DSC) | 3-20-18

For instructions, see **Instructions** tab below.

Date:	3/18/2026	**Project Title:**	Stabilize Riverbank at MM20
Park:	Cuyahoga Valley	**Completed By:**	JDM
PMIS: (Project Management Information System)	CUVA 224822	**DBB or DB:** (Design-Bid-Build OR Design-Build)	DB

Item Number	Project Issues	SD Comments Schematic Design	DD or RFP Comments Design Development (DBB) *OR* Request for Proposal (DB)	CD or RFP Resolution Construction Documents (DBB) *OR* Request for Proposal (RFP)
PROJECT INTRODUCTION				
1	ANY NON-TYPICAL CONTRACT LINE ITEMS OR MISCELLANEOUS CONTRACT CONCERNS	Potential warranty on vegetative components of bank stabilization.	Information for any required warranties on vegetative components must be included in specifications.	Time periods pertaining to vegetation condition and survival are documented in Specification 32 92 00 Seeding, Sodding and Landscaping. This Specification needs to be coordinated with Specification 01 67 00 to be finalized between NPS and Contractor.
2	RECOMMENDED CONTRACT LENGTH; SEASONAL BREAKS IN CONTRACT; IDENTIFY CONTRACT TIMING ISSUES THAT NEED TO BE ADDRESSED; IDENTIFY SPECIFIC PHASING REQUIREMENTS	Contract length needs to account for seasonality of in-river work.	Construction period needs to account for anticipated winter shutdown periods.	Winter shutdown periods accounted for in 730 calendar day construction schedule (see RFP Section 1.6 Schedule).
PERMITTING & COMPLIANCE				
3 External Permit or Approval	LIST REQUIRED GOVERNMENT FURNISHED PERMITS AND APPROVALS: List by Agency-Type: Example: USACE-CWA404 NWP18. Include contact, and phone number.	- USACE CWA Section 404, Section 9 and 10; 513-684-6050 - FEMA/Local Floodplain, ohioma@dps.ohio.gov - Ohio EPA 401 Water Quality Certification, 330-963-1251 - USCG Notice to Mariners, 614-540-7700 - Ohio EPA General Construction Stormwater Permit, 614-752-0782	Evaluated required permits and assign to Government and Contractor. See Items 4 & 5.	See Items 4 & 5.
4 External Permit or Approval	LIST REQUIREMENTS FOR GOVERNMENT FURNISHED PERMITS: Include inspections, meetings, close out requirements, and drawings.	Permitting and associated consultation has not been initiated. However, expected conditions may include: - Tree removal shall only occur between October 15 and March 31. - SWPPP compliance inspections.	Anticipated conditions for the USACE CWA Section 404 permit have been identified.	Anticipated conditions for Government furnished permits are documented in RFP Section 2.3.1.
5 External Permit or Approval	LIST REQUIRED CONSTRUCTION CONTRACTOR FURNISHED PERMITS AND APPROVALS	To be completed as part of Permit List.	USCG Notice to Mariners, 614-540-7700 Ohio EPA General Construction Stormwater Permit, 614-752-0782	Contractor furnished permit requirements are documented in RFP Section 2.3.1
6 External Permit or Approval	DESCRIBE WHERE AND HOW PERMIT REQUIREMENTS ARE INCLUDED IN DESIGN PACKAGE: For each permit, describe requirement, specification (section and paragraph) and/or drawing number.	It is anticipated that permit requirements will be addressed in specifications in the DD phase.	Multiple permits are required.	Design-Build Contractor-Furnished permits are addressed in RFP Section 2.2.3.
7 Internal Compliance	IDENTIFY COMPLIANCE REQUIREMENTS: SHPO, NEPA, EA: List requirement, status, and date or expected date.	Pre-NEPA in progress. Completion of Pre-NEPA is anticipated in December 2021. NEPA - Decision on NEPA pathway will be made by NPS. Section 106 - To be completed as part of NEPA compliance (June 2022). Section 7 Compliance - To be completed as part of NEPA compliance (June 2022).	NPS identified NEPA pathway as a Categorical Exclusion. Additional Compliance activities are in progress.	The Proposed Action is categorically excluded from further documentation under NEPA in accordance with 43 CFR 1508.4. RFP Section 1.8 indicates that the Categorical Exclusion will be provided to the Design-Build Contractor upon completion. Compliance requirements are documented in RFP Section 2.3.1.
8 Internal Compliance	COMPLETE ALL APPROVALS: Director's, DAB, Congressional Funding issues, estimate within available funds? Adequate time to complete work within project and funding constraints?	NPS 77-1 and 77-2 - Statement of Findings to be completed following Pre-NEPA development (February 2022).	Project is in compliance with both NPS 77-1 and NPS 77-2 as documented in the Categorical Exclusion (draft). The project is exempt from a Statement of Findings.	No Further Action Required.
9 General	IDENTIFY REQUIRED SPECIAL INSPECTIONS: List inspecting or approving organization and reason required.	None identified as part of PAF.	Not Applicable.	Not Applicable.
STAGING AND MOBILIZATION				
10	IDENTIFY AREAS FOR STAGING INCLUDING AREAS FOR PRIME, SUBS, MATERIAL, AND PARKING; IDENTIFY AREAS FOR CONSTRUCTION CAMP IF APPLICABLE: List drawing number(s) showing staging area(s).	Preliminary staging areas have been identified and are being investigated under the compliance task order.	Staging areas must be finalized and communicated to Contractor.	Access and Staging Maps are included in the RFP Attachments (RFP Section 5.0).
11	IDENTIFY TEMPORARY UTILITIES AVAILABLE FOR CONSTRUCTION: List drawing number or specification section that identifies available utilities-electrical, phone, non-potable and potable water, sanitary-provider, meter needed, and responsible cost party.	Utilities per one-call shown on Schematic Design drawings.	Availability of temporary utilities needs to be communicated to the Contractor for possible Field Office.	Temporary utilities are addressed in RFP Section 2.3.9. Specification Section 01 50 00 to be finalized between NPS and the Contractor needs to be coordinated with RFP Section 2.3.9.
12	IDENTIFY CONSTRUCTION LOGISTICS: List drawing numbers that show traffic control, access restrictions, work hour restrictions, bridges, features, other.	Trail closure signage will be required. CVSR track access coordination will be required. Otherwise, traffic control and other related needs are limited and are not shown in the Schematic Design drawings. Work hours are anticipated to be limited to 8 AM to 5 PM.	Construction coordination requirements and limitations associated with trails and the scenic railroad need to be communicated to the Contractor.	Trail closure and track access coordination requirements are addressed in RFP Section 2.3.1 Environmental and Sustainability Requirements and Section 2.3.10 Access.
13	IDENTIFY IMPACTS TO PARK AND VISITOR OPERATIONS: List drawing number(s) or specification section(s) that identifies impacts (e.g. Visitor Impacts, Neighborhood-Urban Impacts, Detours, Closures).	Visitor impacts limited to temporary trail closures. Not included in Schematic Design drawings. To be developed and analyzed as part of Pre-NEPA activities.	Construction coordination requirements and limitations associated with trails and the scenic railroad need to be communicated to the Contractor.	Trail closure and track access coordination requirements are addressed in RFP Section 2.3.1 Environmental and Sustainability Requirements and Section 2.3.10 Access.
14	IDENTIFY SITE ACCESS ISSUES: List drawing number(s) or specification section(s) that identify issues (e.g. remote and road type constrained sites, weather closure restrictions, road and bridge load limits, road and tunnel height restrictions, crane and helicopter requirements).	Not included in Schematic Design drawings.	Staging areas must be finalized and communicated to Contractor.	Access and Staging Maps are included in the RFP Attachments (RFP Section 5.0).
SUBMITTALS				
15	LIST MATERIAL SUBMITTALS ON CRITICAL PATH; FOR DESIGN-BUILD (DB), LIST MATERIAL SUBMITTALS REQUIRING GOVERNMENT APPROVAL	None identified.	Material submittals need to be identified.	As documented in RFP Section 2.3.4, Contractor is to complete the NPS Submittal List and Review Estimate Template. Submittal procedures should be coordinated with Specification Section 01 33 23 Submittal Procedures and Section 01 67 00 Product Requirements, to be finalized between NPS and Contractor.

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16	LIST LONG LEAD ITEMS; MATERIAL AND EQUIPMENT AVAILABILITY CONCERNS, SPECIAL DELIVERY REQUIREMENTS	Current volatility in the steel market could lead to delays in obtaining steel beams for the soldier pile and lagging wall at the Peninsula site.	Ongoing market volatility could lead to delays in obtaining steel beams for the soldier pile and lagging wall at the Peninsula site.	Contractor is responsible for products and materials. Specification Section 01 67 00 to be finalized between NPS and Contractor.
17	LIST OF SOLE SOURCE MATERIALS AND GOVERNMENT FURNISHED MATERIALS OR EQUIPMENT	Not applicable.	Not Applicable.	Not Applicable.
SITE LAYOUT / RESOURCE PROTECTION				
18	TYPES OF RESOURCE PROTECTION REQUIRED: List where and how requirements are included in design package.	Resource protection to be identified during pre-NEPA activities as part of compliance task order. To be included in specifications in DD phase.	Through NEPA activities several Park-specific resource protection needs have been identified.	Resource protection needs are documented in RFP Section 2.3.1 Environmental and Sustainability Requirements.
19	ACCURATE SURVEY DATA ON PLANS: BMs, TBMs, TOPO	Surveyed topography shown on Site Plan sheets (Sheets C3, C7, C11, C13, C15, C17). Survey file states: "Coordinate System: Observations made with Ohio Department of Transportation virtual reference system to the Ohio State Plane Coordinate System North Zone, NAD83 (2011) & NAVD88 Datum between March 18 & April 1, 2021."	Ongoing river erosion and geomorphological processes may result in changed conditions since PD/SD survey was performed.	Per RFP Section 2.1.1 Scope of Work and Project Summary/Requirements, Contractor is to perform and provide survey to confirm site conditions. See also Specification Section 02 21 13 Site Surveys. Per RFP Section 2.3.17, all AutoCAD files are to be provided per Ohio State Plane Coordinate System North Zone, NAD83 (2011) & NAVD88 Vertical Datum.
20	PRELIMINARY SITE INVESTIGATION COMPLETE, EXISTING CONDITIONS VERIFIED AND INCLUDED IN PACKAGE	Site reconnaissance was performed February 23-24, 2021. The geotechnical exploration program was performed March 15-19, 2021. Investigation findings incorporated into Schematic Design submittal.	Not Applicable.	Not Applicable.
21	CONSTRUCTION LIMITS CLEARLY SHOWN AND DEFINED FOR BOTH ACCESS AND CONSTRUCTION: List where and how requirements are included in design package.	Schematic design-level construction limits shown on Site Plan sheets (Sheets C3, C7, C11, C13, C15, C17). Preliminary staging and access areas have been identified and are being investigated under the compliance task order.	Staging areas must be finalized and communicated to Contractor.	Access and Staging Maps are included in the RFP Attachments (RFP Section 5.0).
22	SPECIAL SIGNAGE REQUIREMENTS: Describe and list where requirements are included in design package.	Trail closure signage will be required. It is anticipated that signage requirements will be addressed in specifications in the DD phase.	Temporary trail closures required for construction activities and public safety.	Specification Section 01 50 00 Temporary Facilities and Controls to be finalized between NPS and Contractor.
23	LIST WORK SAFETY CONCERNS, LOCATION, AND NEEDS: Include Height, Weather, Animal, Aerial, Public Accessibility, Security, Confined Space, Pathologic, Atmospheric, and others.	Weather, steep slopes (fall hazards), and riverine environment work conditions are concerns at all sites. Public accessibility and trail user safety is a concern at all Towpath sites and the Peninsula Connector site. Track safety and access are concerns for CVSR site work.	Weather, steep slopes (fall hazards), and riverine environment work conditions are concerns at all sites. Public accessibility and trail user safety is a concern at all Towpath sites and the Peninsula Connector site. Track safety and access are concerns for CVSR site work.	As documented in RFP Section 2.3.15 Temporary Controls, Contractor is responsible for safety, including safety specific to the riverine work environment and winter weather conditions. Additionally, Specification Section 01 50 00 Temporary Facilities and Controls applies and is to be finalized between NPS and Contractor.
DEMOLITION				
24	ALL EXISTING UTILITIES LOCATED AND ACCURATELY SHOWN: Describe where shown.	Towpath MM 20 South utilities shown on Sheet C15. Peninsula Connector utilities shown on Sheet C17. No utilities identified at remaining Towpath sites.	Known utilities identified in SD drawings. Known and/or unknown utilities may be encountered by Contractor.	Contractor required to contact Ohio Utilities Protection Service (OHIO811) per Specification Section 02 21 13 Site Surveys.
25	TEMPORARY SYSTEMS REQUIRED: Identify for Park or Public: Access, power, water, sanitary, covered access, exhibit relocation, movement assistance, accessibility.	No required temporary systems identified.	Not Applicable.	Not Applicable.
26	SALVAGE, RECYCLING, STORAGE, AND DISPOSAL REQUIREMENTS: Who is removing salvageable equipment and where requirements are included in design package?	Not applicable (no salvageable equipment).	Not Applicable.	Not Applicable.
27	NOISE / DUST / SAFETY CONCERNS FOR PUBLIC OR ENVIRONMENT: Describe where included in design package.	It is anticipated that noise / dust / safety requirements will be addressed in specifications in the DD phase.	Noise and dust are expected incidentals to project construction.	Noise and dust requirements are included in Section 01 57 19.12 Noise and Acoustics Management, and will be finalized between NPS and Contractor.
28	CONSTRAINTS ON MEANS AND METHODS: Blasting, Burning, Tidal, Weather, Public Accessibility, Existing structures/features, Holidays and Seasonal, Permitting, other.	Tree removal shall only occur between October 15 and March 31. Additional permitting and Park-specific constraints to be identified during DD phase.	Environmental constraints such as tree cutting and species habitat have been identified in the Categorical Exclusion.	For project areas affecting Indiana bat swarming habitat (near hibernacula), only cut trees between November 15 and March 15. For project areas affecting the species' summer habitat between October 15 and March 15. Known requirements such as tree removal and bat restrictions are documented in RFP Section 2.3.1.
29	HAZARDOUS MATERIAL CONSIDERATIONS DEMO METHODS AND DISPOSAL STATE AND LOCAL REQUIREMENTS: Describe hazardous materials being addressed, how, and where in design package.	None identified.	Not Applicable.	Not Applicable.
30	ARCHEOLOGICAL MONITORING REQUIREMENTS: Describe what is needed and where in design package. Identify who provides monitor.	To be determined during NEPA activities as part of Section 106 Consultation.	NPS to consult with SHPO and complete archeologic surveys as needed within the Area of Potential Effect, and regarding potential temporary impacts to archeological sites within the Project Area.	Archeological monitoring is required during construction at Towpath MM 20 South. Specification Section 01 35 13.22 Archeological Protection and Section 01 35 91 Historic Preservation Treatment Procedures are applicable, and will be finalized between NPS and Contractor.
CONSTRUCTION				
31	MATERIAL, EQUIPMENT, LABOR AVAILABILITY FOR REMOTE SITES: Describe issues and where included in design package.	While there may be some difficulty in accessing the individual sites, CUVA is located in close proximity to two metropolitan areas. There should not be any issues related to material, equipment or labor.	Not Applicable.	Not Applicable.
32	SITE ACCESS RESTRICTIONS TO CONSTRUCTION OPERATIONS IF DIFFERENT OR MORE SUBSTANTIAL THAN ITEMS 12 AND 14	No additional restrictions identified.	Not Applicable.	Not Applicable.
33	ANTICIPATED WEATHER CONSIDERATIONS, CONSTRUCTION SEASON, OPTIMUM TIME TO ADVERTISE, RECOMMENDED CONTRACT LENGTH	A winter shutdown is anticipated given the project's location in northern Ohio. Timing and duration need to consider placing/planting of vegetative treatments.	Construction period needs to account for anticipated winter shutdown periods.	Winter shutdown periods accounted for in 730 calendar day construction schedule (see RFP Section 1.6 Schedule).
34	PARK / CONCESSION IMPOSED RESTRICTIONS INCLUDED IN DESIGN PACKAGE AND IMPACTS ON SCHEDULE & COST	No additional restrictions identified.	Not Applicable.	Not Applicable.
35	DESCRIBE FULL SCOPE OF WORK FOR LOCAL UTILITY COMPANIES AND CONSTRUCTION CONTRACTOR FOR EACH UTILITY	Exposed fiberoptic line at MM 20 South will need to be relocated; instruction to be developed during DD phase. Contractor to confirm location and utility protection needs. Specifications to be developed in DD phase.	Known utilities identified in SD drawings. Known and/or unknown utilities may be encountered by Contractor.	Utility disruption requirements are addressed in Specification Section 01 50 00 Temporary Facilities and Controls, and will be finalized between NPS and Contractor. Contractor required to contact Ohio Utilities Protection Service (OHIO811) per Specification Section 02 21 13 Site Surveys.

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36	DESCRIBE DISRUPTION REQUIREMENTS FOR UTILITY CONNECTIONS, CLOSURES, AND MAXIMUM ALLOWABLE INTERRUPTIONS: Describe where addressed in design package.	To be addressed in DD phase.	Known utilities identified in SD drawings. Known and/or unknown utilities may be encountered by Contractor.	Utility disruption requirements are addressed in Specification Section 01 50 00 Temporary Facilities and Controls, and will be finalized between NPS and Contractor. Contractor required to contact Ohio Utilities Protection Service (OHIO811) per Specification Section 02 21 13 Site Surveys.
37	SPECIFIC PHASING REQUIREMENTS: Detail what and where provided in design package.	Specific phasing not identified for Schematic Design. Recommend constructing from upstream to downstream for sites in close proximity. Also, within each stabilization site work shall be performed from upstream to downstream.	Construction of tightly spaced sites should be constructed from upstream to downstream to reduce potential impacts from downstream disturbance.	Phasing requirements are included in RFP Section 2.3.3 Construction Support.
38	DESCRIBE SPECIALIZED MATERIALS/INSTALLATION METHODS CERTIFICATIONS/TRAINING REQUIREMENTS; DETAIL GOVERNMENT REQUIRED SPECIALTY SERVICES OR INSPECTIONS: List requirements.	None identified.	Not Applicable.	Not Applicable.
39	COORDINATION WITH PARK OR CONCESSIONAIRE ON BENEFICIAL OCCUPANCY: Grand opening, fixed completion dates, etc.	No specific coordination needs identified.	Not Applicable.	Not Applicable.
40	ADJACENT or CONCURRENT CONTRACTS COORDINATION / OVERLAPS ON CONCURRENT OR FUTURE CONTRACTS	USACE Buffalo District river system enhancement projects have been identified by NPS staff. The first project is between Boston Mills Road and Vaughn Road and is anticipated to add 2-3 meander bends (bid Fall 2021/Winter 2022; construction Summer 2022). The second project is between Vaughn Road and Station Road and is anticipated to include repairs due to the river lowering associated with the Brecksville Dam removal. Future riverbank stabilization work anticipated at Switch 2 (upstream of Fitzwater site).	Not Applicable.	Not Applicable.
41	VALUE ENGINEERING POTENTIAL	None identified.	Not Applicable.	Not Applicable.
	PROJECT CLOSEOUT			
42	TRAINING REQUIREMENTS, CERTIFICATIONS SPECIFIED	None identified.	Not Applicable.	Not Applicable.
43	OPERATION & MAINTENANCE (O&M) REQUIREMENTS	Growth period maintenance required for bioengineering measures. Periodic inspection and maintenance required for structural measures (i.e., wall at Peninsula).	Information for any required warranties on vegetative components must be included in specifications.	Time periods pertaining to vegetation condition and survival are documented in Specification 32 92 00 Seeding, Sodding and Landscaping. This Specification needs to be coordinated with Specification 01 67 00 to be finalized between NPS and Contractor.
44	LIST PERMITS NEEDING CLOSURE AND POINTS OF CONTACT: Describe requirement; include specification and/or drawing location for each.	To be determined following initiation of permitting.	See Items 5 and 7.	See Items 5 and 7.
45	POST CONSTRUCTION REQUIREMENTS	See Item 43 and 46.	See Items 43 and 46.	See Items 43 and 46.
46	LIST LONG TERM MAINTENANCE NEEDS AND LOCATION IN THE DESIGN PACKAGE.	Replace riprap and streambank stabilization measures as needed. Seal concrete facing and cleanout wall drain pipes during scheduled maintenance.	Bioengineering and structural measures will require operation and maintenance plans.	Contractor required to prepare and submit Operations & Maintenance data as described in RFP Section 2.3.17 Project Close-out.