



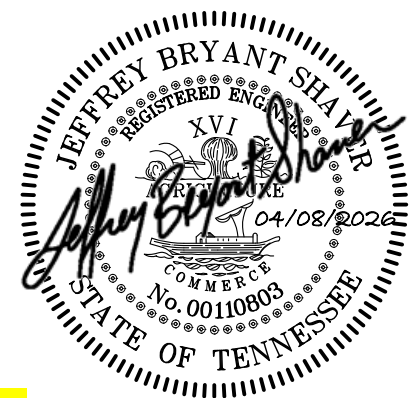
PROJECT SPECIFICATIONS
FOR
URBAN STREAM RESTORATION FOR
CENTRAL CREEK
JACKSON, MADISON COUNTY,
TENNESSEE

WEST TENNESSEE RIVER BASIN
AUTHORITY

TENNESSEE DEPARTMENT OF
ENVIRONMENT AND CONSERVATION

FEBRUARY 2026
(Revised April 8, 2026)

CEC Project No. 343-075



URBAN STREAM RESTORATION FOR CENTRAL CREEK SPECIFICATIONS

PART 1 PROJECT DESCRIPTION

- 1.01 The project is a stream restoration and revitalization project to enhance, restore, and stabilize two sections of a 4,800 LF reach of Central Creek by removing concrete channel liners, restoring in-stream habitat, and restoring/enhancing riparian buffers, directly addressing a source of impairment. Segments of the restored riparian corridor will include a walkway that will establish a greenway trail connection to local businesses and the downtown area; portions of the greenway trail that do not follow the Central Creek riparian corridor will use existing and/or proposed sidewalks to connect the riparian segments of the greenway trail. It is an American Rescue Plan Act (ARPA) American Rescue Plan (ARP) Resource Protection Grant funded project.

PART 2 PROJECT DOCUMENTS

- 2.01 Urban Stream Restoration for Central Creek Plans dated 02/27/2026
- 2.02 TDEC ARAP NRS 25.180
- 2.03 **USACE NWP #27 Aquatic Habitat Restoration MVM-2025-222**
- 2.04 TDEC Construction General Permit (PENDING)

PART 3 SITE

- 3.01 Site and Other Areas
 - A. The Site is identified in the Bidding Documents. By definition, the Site includes rights-of-way, easements, and other lands furnished by Owner for the use of the Contractor. Any additional lands required for temporary construction facilities, construction equipment, or storage of materials and equipment, and any access needed for such additional lands, are to be obtained and paid for by Contractor.
- 3.02 Examination of Site
 - A. Bidder is required to visit the Site and conduct a thorough visual examination of the Site and adjacent areas. During the visit, the Bidder must not disturb any ongoing operations at the Site.
 - B. All access to the Site other than during a regularly scheduled Site visit must be coordinated through the following Owner or Engineer contact for visiting the Site. Bidder must conduct the required Site visit during normal working hours.

PART 4 AS-BUILT DRAWINGS

- 4.01 During construction, the contractor shall maintain a set of prints showing any changes or corrections in red. These prints shall be submitted to the engineer at the completion of the work.

PART 5 PRE-CONSTRUCTION MEETING

- 5.01 Prior to the start of construction, the Contractor shall call a pre-construction conference, including his Project Superintendent and his Foreman, the Engineer, and others as the Engineer may direct. The purpose of this meeting is to review the requirements of the

Contract, Permit, and Construction Documents to assure complete understanding of the specific responsibilities of each participant and his relationship with the others involved.

PART 6 ENGINEER’S AND OWNER’S STATUS DURING CONSTRUCTION

6.01 Owner and Engineer may make visits to the Site at intervals appropriate to the various stages of construction as Owner deems necessary in order to observe the progress that has been made and the quality of the various aspects of Contractor’s Work. Based on information obtained during such visits and observations, Owner may determine, in general, if the Work is proceeding in accordance with the Contract Documents. Owner shall not be required to make exhaustive or continuous inspections on the Site to check the quality or quantity of the Work. Owner’s efforts shall be directed toward providing for Owner a degree of confidence that the completed Work will conform generally to the Contract Documents.

PART 7 SCHEDULE

7.01 It is expected that the work for this project will commence no later than **June 1, 2026**. The project must be fully completed and accepted by **September 4, 2026**. No extension to the schedule for this project will be allowed for this project. Allowable working days are defined as Monday through Saturday 7:00 a.m. to 4:00 p.m.; however, Contractor may perform equipment maintenance and startup before and after.

7.02 Project Schedule: Within 10 days after the Effective Date of the Contract, Contractor shall submit to Owner for timely review a preliminary schedule including:

- A. The Critical Path.
- B. The planned start and completion dates for each activity, the duration of each activity, and the sequencing of all activities. If activities have durations of more than one updated period, break the activities into two or more activities distinguished by location or some other feature.
- C. Dates related to the procurement of materials, equipment and articles of special manufacture; and dates related to the submission of working drawings, plans and other data specified for review or approval by Owner.
- D. Dates related to key Owner inspections.
- E. Dates related to specified activities by the Owner and third parties, and times for starting and completing the various stages of Work, including but not limited to all Milestones specified in the Contract.
- F. A preliminary Schedule of Submittals.

PART 8 BASIS OF BID

8.01 Work Items and Estimated Quantities

- A. Bid shall be based on a lump sum basis. The itemized quantities are included to aid in the bid process, but the bid itself will not be itemized.

8.02 Estimated Quantities

FOOTNOTES	ITEM NO.	DESCRIPTION	UNIT	QUANTITY
	001	MOBILIZATION AND DEMOBILIZATION	L.S.	1
17	002	CLEARING & GRUBBING	AC	3
15	003	RIPRAP REMOVAL	L.S.	1

FOOTNOTES	ITEM NO.	DESCRIPTION	UNIT	QUANTITY
2	004	GRADING/EARTHWORK (CUT)	C.Y.	7,000
	005	BORROW EXCAVATION (FILL)	C.Y.	9,900
3	006	TEMPORARY STREAM DIVERSION (PUMP AROUND)	L.S.	1
4	007	TEMPORARY SEEDING WITH MULCH	AC	3
5	008	PERMANENT SEEDING WITH MULCH - ROUNDSTONE MIX #168	AC	2
	009	PERMANENT SEEDING WITH MULCH - BERMU DA GRASS	AC	1
6	010	700 GRAM COIR FIBER EROSION BLANKET	S.Y.	1,500
7	011	TEMPORARY STREAM CROSSING	EACH	1
13	012	TEMPORARY CONSTRUCTION ENTRANCE/EXIT	EACH	3
9	013	STREAM MITIGATION - ALLUVIAL RIFFLE	EACH	27
11	014	STREAM MITIGATION - BOULDER CROSS VANE	EACH	1
10	015	STREAM MITIGATION - DOUBLE ROCK TOE PROTECTION	TON	25
12	016	STREAM MITIGATION - RIP-RAP ARMORING	TON	220
	017	STREAM MITIGATION - REPAIR STRUCTURE STA 47+30	L.S.	1
14	018	STREAM MITIGATION - ARMORED PLUNGE POOL	TON	40
8	019	FLEXAMAT PLUS - STREAM & RIVERBANK MAT LAYOUT	S.F.	6,000
	020	8' WIDE ASPHALT PEDESTRIAN TRAIL	S.F.	9,500
	021	CURB RAMPS	S.F.	186
	022	TRUNCATED DOMES	EACH	2
	023	6" CONCRETE CURB	L.F.	30
	024	PAVEMENT MARKINGS THERMOPLASTIC PAINT (LONGITUDINAL CROSSWALK MARKING)	L.F.	30
	025	RETAINING WALL	S.F.	13,500
	026	24" RCP	L.F.	100
	027	24" ENDWALL	EACH	2
	028	4'X4' CATCH BASINS, TYPE 42, (> 8' - 12' DEPTH)	EACH	2
	029	WINGWALL REMOVAL (STA 37+35)	EACH	1

FOOTNOTES	ITEM NO.	DESCRIPTION	UNIT	QUANTITY
	030	60 DEGREE WINGWALL REPLACEMENT WITH APRON (STA 37+35)	EACH	1
	031	SIGNAGE (NO VEHICLE ENTRY) / (TRAIL CLOSED)	EACH	6
19	032	8' BLACK METAL SECURITY FENCE (STA 37+35) (STA 35+09 AT PEDESTRIAN BRIDGE ABUTMENTS)	L.F.	120
18	033	SAFETY FENCING	L.F.	1,500
16	034	PEDESTRIAN BRIDGE ABUTMENT (STA 35+09)	L.S.	1

FOOTNOTES:

1. ALL QUANTITIES ARE TO BE USED AS DIRECTED BY THE ENGINEER OR THE OWNER'S REPRESENTATIVE.
2. GRADING/EARTHWORK IS PAID PER CUBIC YARD OF PROPOSED CHANNEL/FLOODPLAIN CUT AND INCLUDES ALL MATERIALS, EQUIPMENT, AND LABOR NECESSARY TO EXCAVATE THE PROPOSED CHANNEL/FLOODPLAIN, REMOVAL OF TOPSOIL, REMOVAL OF ROOT SYSTEMS, CONSTRUCTION OF CLAY PLUGS, FILL THE EXISTING CHANNEL AS SPECIFIED, AND DISPOSE OF EXCESS CUT MATERIAL AS DIRECTED BY THE ENGINEER OR OWNER'S REPRESENTATIVE. THE INTENT OF THE DESIGN IS TO DISPOSE OF EXCESS MATERIALS ONSITE. ANY EXCESS MATERIALS WHICH CANNOT BE DISPOSED OF ONSITE SHALL BE DISPOSED OF OFFSITE AT THE CONTRACTOR'S EXPENSE.
3. INCLUDES MULTIPLE SETUPS AND RELOCATIONS OF STREAM DIVERSION PUMP AROUND AS CONSTRUCTION PROGRESSES. INCLUDES ALL MATERIALS, EQUIPMENT, AND LABOR NECESSARY TO CONSTRUCT AS SHOWN AND DESCRIBED IN DETAIL 806, SHEET EC-803.
4. SEED MIXTURE SHALL BE 60 LB/ACRE PLS OF OATS AND 30 LB/ACRE PLS OF BROWNTOP MILLET FOR SUMMER PLANTING. SEED MIXTURE SHALL BE 120 LB/ACRE PLS OF RYE FOR LATE WINTER/EARLY SPRING PLANTING.
5. PERMANENT SEED MIXTURE SHALL BE COMPOSED OF ROUNDSTONE NATIVE SEED, LLC'S MIX #168. SEED MIXTURE SHALL BE APPLIED AT A RATE OF 7.5 LB/ACRE.
6. INCLUDES ALL MATERIALS, EQUIPMENT, AND LABOR NECESSARY TO INSTALL COIR FIBER EROSION BLANKET AS SHOWN IN DETAIL 809, SHEET EC-805.
7. INCLUDES ALL MATERIALS, EQUIPMENT, AND LABOR NECESSARY TO INSTALL TEMPORARY STREAM CROSSING AS SHOWN IN DETAIL 812, SHEET EC-805.
8. INCLUDES ALL MATERIALS, EQUIPMENT, AND LABOR NECESSARY TO INSTALL FLEXAMAT PLUS AS SHOWN IN DETAIL 801 SHEET EC-801.
9. INCLUDES ALL MATERIALS, EQUIPMENT, AND LABOR NECESSARY TO CONSTRUCT ALLUVIAL RIFFLE AS SHOWN IN DETAIL 800, SHEET EC-800.
10. INCLUDES ALL MATERIALS, EQUIPMENT, AND LABOR NECESSARY TO CONSTRUCT DOUBLE ROCK TOE PROTECTION AS SHOWN IN DETAIL 803, SHEET EC-802.
11. INCLUDES ALL MATERIALS, EQUIPMENT, AND LABOR NECESSARY TO CONSTRUCT BOULDER CROSS VANE AS SHOWN IN DETAIL 802, SHEET EC-802.
12. INCLUDES ALL MATERIALS, EQUIPMENT, AND LABOR NECESSARY TO CONSTRUCT RIP RAP ARMORING AS SHOWN IN DETAIL 814, SHEET EC-806.
13. INCLUDES ALL MATERIALS, EQUIPMENT, AND LABOR NECESSARY TO INSTALL TEMPORARY CONSTRUCTION ENTRANCE/EXIT AS SHOWN IN DETAIL 810 SHEET EC-805.
14. INCLUDES ALL MATERIALS, EQUIPMENT, AND LABOR NECESSARY TO CONSTRUCT ARMORED PLUNGE POOL AS SHOWN IN DETAIL 813, SHEET EC-806.
15. INCLUDES ALL MATERIALS, EQUIPMENT, AND LABOR NECESSARY FOR THE REMOVAL AND DISPOSAL OF THE RIPRAP/BOULDER STRUCTURE AT STATION 48+90 TO 49+30.
16. INCLUDES ALL MATERIALS, EQUIPMENT, AND LABOR NECESSARY TO INSTALL PEDESTRIAN BRIDGE ABUTMENTS AS SHOWN IN SHEET S300

17. MATERIALS FROM CLEARING & GRUBBING, INCLUDING CONCRETE, SHALL BE DISPOSED OF OFFSITE.
18. INCLUDES ALL MATERIALS, EQUIPMENT, AND LABOR NECESSARY TO INSTALL 4' TALL BLACK METAL RAILING FENCE SHOWN ON SHEETS EC-402 AND EC-403 ALONG TOP OF THE RETAINING WALLS AND WEST SIDE OF TRAIL. SHOULD BE AMERISTAR MONTAGE II OR EQUIVALENT.
19. INCLUDES ALL MATERIALS, EQUIPMENT, AND LABOR NECESSARY TO INSTALL 8' TALL BLACK METAL SECURITY FENCE SHOWN ON SHEET EC-403. SHOULD BE AMERISTAR MONTAGE II OR EQUIVALENT.