

STATEMENT OF WORK /DESCRIPTION/SPECIFICATIONS/

1. SCOPE OF CONTRACT

Scope- NFSR 1333 East Sylco Ridge ERFO Repair

This project is a result of flood damage that occurred during the August 2023 flood event that impacted East Tennessee. In this particular area, heavy rain was received that impacted the road surface and drainage features. The purpose of the **NFSR 1333 East Sylco Ridge ERFO Repair** is to repair flood impacts on 4.9 miles of road. The work will consist of culvert replacement, road reconditioning, aggregate surfacing, and various other road reconditioning activities. The project plans outline specific activities and their locations in the project area.

2. PROJECT LOCATON

The project is located along TN state Hwy 68 between Tellico Plains and Ducktown.
Project Coordinates (Lat. 35.068751, Long. -84.642784)

From TN-64 intersection with TN-411 in Polk County, TN
Proceed east on TN-64 2.5 miles
Turn right on Cookson Creek Rd
Travel SE on Cookson Cr Rd 4.5 miles to 'Turkey Foot' intersection
When road turns to gravel, the road name changes to NFSR 55 Baker Creek Road
Make slight right to stay on Baker Creek Road
Travel south 5.7 miles to project location.

3. PERIOD OF PERFORMANCE

All contract activities shall be completed within 120 days of contract award.

4. HOURS OF OPERATION / FEDERAL HOLIDAYS

Normal operational hours are approximately from 07:00 am to 5:30 PM Eastern Standard Time, Monday through Friday (Federal Holidays excluded).

Work may be performed on weekends and federal holidays listed below with permission from the CO.

New Year's Day – January 1st

Martin Luther King Junior's Birthday – Third Monday in January

President's Day – Third Monday in February

Memorial Day – Last Monday in May

Independence Day – July 4th

Labor Day – First Monday in September

Columbus Day – Second Monday in October

Veteran's Day – November 11th

Thanksgiving Day – Fourth Thursday in November

Christmas Day – December 25th

5. Applicable Specifications

Standard and Supplemental Specifications for FP-14 shown in the specification listing contained in the attachments are applicable to this contract. All specifications not included in the specification listing but referenced by listed specifications, are applicable. The Forest Service Supplemental Specifications to FP-14 (FSSS) shown on the specification list are physically attached.

Inspection and Acceptance

Inspection

Inspection will be as defined in the FP-14 and Forest Service Supplemental Specifications.

Final Cleanup

Before final acceptance, all areas occupied by the Contractor in connection with the work shall be cleaned of all Contractor's rubbish, excess materials, temporary structures, and equipment, and all parts of the work area shall be left in a neat and presentable condition.

Contract Administration

Pre Construction Meeting

A pre-construction meeting with the successful offeror is required. It will be scheduled within **15** days of contract award. The meeting will be held at a mutually agreed to location.

The Contractor shall bring the following to the meeting for discussion and/or approval:

1. Contract, Specifications, Drawings
2. Safety Plan
3. Schedule for Construction
4. Designation of Contractor Representatives
5. Traffic Control Plan
6. Hazardous Spill Prevention Plan
7. Contractor Quality Control Plan
8. Other plans will be discussed at the meeting.

Special Contract Requirements

SUBMITTALS (Submittals are samples, drawings (red lines), analysis, product data sheets, cut sheets, warranties, required permits, etc.)

The following shall be submitted on this project:

Title	Referenced By Specification No.	Time of Government Approval after Submittal
Schedule for Construction	FAR 52.236-15	14 Days
Designation of Contractor Representatives	FAR 52.236-19	14 Days
Temporary Traffic Control Plan	FSSS 156, Traffic Control Clause, MUTCD Part 6	14 Days
Safety Plan	FAR 52.236-13	14 Days
Hazardous Spill Prevention Plan	FAR 52.223-3 & FSSS 107	14 Days
Contractor Quality Control Plan	FP-14 153.03	14 Days
Soil and Erosion Control Plan	FSSS 157	14 Days
Project Work Schedule with any Revisions	FAR 52.236-15(a)	14 Days
Notification for Moving Construction Equipment onto Project and equipment cleaning	Other Requirements	2 Days

(INSERT APPLICABLE TITLE, REFERENCE, AND TIME)

SHOP DRAWINGS

The following shop drawings shall be submitted on this project:

Title	Referenced By Specification No.	Time of Government Approval after Submittal
Gate Fabrication Drawings	FP-14 104.03(c)	30 Days

MATERIAL CERTIFICATIONS AND TESTING REPORTS

The following material certifications and/or testing reports shall be submitted on this project:

Title	Referenced By Specification No.
Erosion Control Materials	FP-14 160.03, 629.07, 713.13, 713.14, 713.17 & Table 713-3
Roadway Base Material, TDOT Grading C, FSSS Class C	FSSS 301, TN DOT Specifications 2021
Roadway Sub-Base Backfill, TDOT #2 or 24, FSSS Class A	FSSS 301, TN DOT Specifications 2021

(c) General Guidelines for Submittals:

Submittals are required by their corresponding specifications (basic reference & detailed requirement). Work requiring submittals shall not begin until submittals have been approved.

Submittals shall include the following:

- Date and Revision Dates.
- Project Name and Contract Number.
- Names of Contractor, Subcontractor, Supplier, and Manufacturers.
- Field Dimensions and Relation to Adjacent Structures.
- Contractor's stamp, initialed or signed, certifying review of submittal, verification of field measurement and compliance with contract documents.

Manufacturer's requirements:

Supply manufacturer's catalog sheets or brochures with diagrams, schedules, or performance charts. Illustrations shall be clearly marked to identify pertinent materials or models, dimensions, and clearances required. Supplement standard drawings to provide information unique to this project.

Approval or Rejection Time Allowance:

Submittals will be reviewed and either approved or rejected by (SEE TABLES ABOVE).

Landscape Preservation

The Contractor shall give attention to the effect of contract operation upon the landscape, shall take care to maintain natural surroundings undamaged, and shall conduct the work at all times in compliance with the following requirements.

- A. Prevention of the Landscape Defacement. The Contractor shall not remove, deface, injure, or destroy trees, shrubs, lawns, or other natural features or any other improvements in the work area unless specifically authorized by the Contracting Officer. Unless otherwise provided herein, the Contractor shall confine contract operations to within the areas designated in contract documents.
- B. Protection of Streams, Lakes, and Reservoirs. The Contractor shall take sufficient precautions to prevent pollution of streams, lakes, small ponds, and reservoirs with fuels, oils, bitumens, calcium chloride, silt, or other harmful materials. Mechanical equipment shall not be operated in live streams without written approval of the Contracting Officer.

Product Substitution

Any modification of other items, designs, materials, products or equipment (including Government-furnished property), made necessary because of a substitution, will be the responsibility of the Contractor without adjustment in contract price or time. The Contracting Officer's approval of any substitute will not affect the Contractor's responsibility for such modification. Any and all substitutions will be requested by the Contractor after award of the contract has been made except as allowed under 52.204-22 Alternate Line Item Proposal.

Moisture Sensitive Soils

Contractors are cautioned that the roadway structure is designed so that the completed road will support highway legal loads during a limited use season. Construction equipment often subjects the uncompleted roadway structure to loadings it is not designed to support. This is especially critical during periods of excessive moisture. Materials on this project are sensitive to excessive moisture and will require careful selection and scheduling of equipment to permit efficient operation. Any damage resulting from operations which renders the material unsuitable for use or results in potential siltation of streams will be corrected by the Contractor at Contractor's expense.

Conformity with Drawings and Specifications

Unless working tolerances are specified, all work performed and materials furnished shall be in reasonably close conformity with lines, grades, cross sections, dimensions, and material requirements shown on the drawings, indicated in the specifications, or designated on the ground. "Reasonably close conformity" is in compliance with reasonable and customary manufacturing and construction tolerances.

- A. Definition. "Work" includes, but is not limited to, materials, workmanship, and manufacture and fabrication of components.
- B. The Contractor shall maintain an adequate inspection system and perform such inspections as will ensure that the work performed under the contract conforms to contract requirements. The Contractor shall maintain complete inspection records and make them available to the Government. All work shall be conducted under the general direction of the Contracting Officer and is subject to Government inspection and test at all places and at all reasonable times before acceptance to ensure strict compliance with the terms of the contract.
- C. Government inspections and tests are for the sole benefit of the Government and do not--
 1. Relieve the Contractor of responsibility for providing adequate quality control measures;
 2. Relieve the Contractor of responsibility for damage to or loss of the material before acceptance;
 3. Constitute or imply acceptance; or

4. Affect the continuing rights of the Government after acceptance of the completed work under paragraph (I) below.
- D. The presence or absence of a Government inspector does not relieve the Contractor from any contract requirement, nor is the inspector authorized to change any term or condition of the specification without the Contracting Officer's written authorization.
- E. The Contractor shall promptly furnish, without additional charge, all facilities, labor, and material reasonably needed for performing such safe and convenient inspections and tests as may be required by the Contracting Officer. The Government may charge to the Contractor any additional cost of inspection or test when work is not ready at the time specified by the Contractor for inspection or test, or when prior rejection makes reinspection or retest necessary. The Government shall perform all inspections and tests in a manner that will not unnecessarily delay the work. Special, full size, and performance tests shall be performed as described in the contract.
- F. The Contractor shall, without charge, replace or correct work found by the Government not to conform to contract requirements, unless in the public interest the Government consents to accept the work with an appropriate adjustment in contract price. The Contractor shall promptly segregate and remove rejected material from the premises.
- G. If the Contractor does not promptly replace or correct rejected work, the Government may (1) by contract or otherwise, replace or correct the work and charge the cost to the Contractor or (2) terminate for default the Contractor's right to proceed.
- H. If, before acceptance of the entire work, the Government decides to examine already completed work by removing it or tearing it out, the Contractor, on request, shall promptly furnish all necessary facilities, labor, and material. If the work is found to be defective or nonconforming in any material respect due to the fault of the Contractor or its subcontractors, the Contractor shall defray the expenses of the examination and of satisfactory reconstruction. However, if the work is found to meet contract requirements, the Contracting Officer shall make an equitable adjustment for the additional services involved in the examination and reconstruction, including, if completion of the work was thereby delayed, an extension of time.
- I. Unless otherwise specified in the contract, the Government shall accept, as promptly as practicable after completion and inspection, all work required by the contract or that portion of the work the Contracting Officer determines can be accepted separately. Acceptance shall be final and conclusive except for latent defects, fraud, gross mistakes amounting to fraud, or the Government's rights under any warranty or guarantee.

OPERATIONS AND POLLUTION CONTROL

- A. Operations shall be scheduled and conducted to minimize erosion of soils and to prevent silting and muddying of streams, rivers, irrigation systems, and impoundments (lakes, reservoirs, etc.).
- B. Pollutants such as fuels, lubricants, bitumen, raw sewage, and other harmful materials shall not be discharged into or near rivers, streams, and impoundments or into natural or

manmade channels leading thereto. Wash water or waste from concrete or aggregate operations shall not be allowed to enter live streams prior to treatment by filtration, settling, or other means sufficient to reduce the sediment content to not more than that of the stream into which it is discharged.

- C. Mechanized equipment shall not be operated in live streams without written approval by the Contracting Officer.
- D. Prevention of Oil Spills – If the Contractor maintains storage facilities for oil or oil products on project Area, appropriate preventive measures shall be taken to ensure that any spill of such oil or oil products does not enter any stream or other waters of the United States or any of the individual States.
- E. If the total oil or oil products storage exceeds 1320 gallons or if any single container exceeds a capacity of 660 gallons, the Contractor shall prepare a Spill Prevention Control and Countermeasures (SPCC) Plan. Such plan shall meet applicable EPA requirements (40 CFR 112) including certification by a registered professional engineer.

CLEANING OF EQUIPMENT

Cleaning of Off-Road Equipment used by the Contractor for contract work shall be conducted outside the boundary of any National Forest Service land prior to moving each piece of equipment onto the project. The Contractor shall notify the Forest Service prior to moving each piece of equipment onto the project. Upon request from the Forest Service, arrangement will be made for Forest Service to inspect each piece of equipment prior to it being placed into service. The Contractor shall use cleaning methods necessary to ensure equipment is free of all attached mud, dirt, and plant parts. If noxious weeds are present at a project site, cleaning may also be required before moving between locations within the same project. These measures will assist to prevent the introduction/spread of the seeds of noxious weeds onto National Forest land. The Contractor shall certify in writing, compliance with the above requirements.

“Construction and Off-road Equipment” includes all machinery other than log truck, chip vans, pickup trucks or vehicles used to transport personnel on a daily basis.

Contractor’s Use of Existing Roads

The Contractor is authorized to use roads in the immediate construction project area for performance of work under this contract. The authorization is limited to roads necessary for direct access between the construction area and storage sites, disposal areas, and other work areas designated in the contract.

The roads authorized for use will be subject to the following general conditions:

- (1) State laws governing traffic rules and equipment requirements on State and County Highways.

(2) Federal Regulations contained in 36 CFR 261.12. These regulations prohibit use in excess of State Codes for weight and size, damaging a road while using it, and blocking a road open to use by others.

The Contractor shall be responsible for and perform road maintenance commensurate with his use of Forest Service roads in the construction area.

Traffic Control

The Contractor shall provide, erect and maintain all necessary barricades, suitable and sufficient lights, danger signals, signs, and other traffic control devices, and shall take all necessary precautions for the protection of the work and safety of the public. Roads closed to traffic shall be protected by effective barricades, and obstructions shall be illuminated during the hours of darkness. Suitable warning signs shall be provided to properly control and direct traffic.

The Contractor shall erect warning signs in advance to any place on the project where operations may interfere with the use of the road or trail by traffic and at all intermediate points where the new work crosses or coincides with an existing road or trail. All road barricades, warning signs, lights, temporary signals, flagman and pilot car operators and equipment, and other protective devices, except for special devices, shall conform with Part VI of the Manual on Uniform Traffic Control Devices for Streets and Highways, published by the Federal Highway Administrations and applicable safety codes.

The Contractor shall furnish, erect, maintain, and remove when notified any project identification signs shown on the drawings.

Necessary warning signs and guards shall be posted during blasting operations to safeguard the public.

Control of Material

Rights In and Use of Materials

(a) The Contractor, with the written approval of the Contracting Officer, may use on the project suitable stone, gravel, and sand, or other material found in the excavation. Payment will be made both for the excavation of such materials at the corresponding contract unit price and for the pay items for which the excavated material is used. The Contractor shall replace without additional compensation sufficient suitable materials to complete the portion of the work which was originally contemplated to be constructed with such material.

(b) Materials produced or processed from Government lands in excess of the quantities required for performance of this contract are the property of the Government. The Government is not obligated to reimburse the Contractor for the cost of their production.

Material Sources

(a) Designated Sources - Sources of local materials are designated on the drawings. The Government assumes responsibility for the quality and quantity of material in the source. The Contractor shall determine the equipment and work required to produce the specified product.

The Contractor shall utilize all suitable material in the source. The designation of source will include the rights of the Contractor to use certain area(s) for plant site, stockpiles, and haul roads.

When materials are subject to weight measurement, the weight/volume relationship used for determination of designed quantities will be shown on the Drawings.

Should the designated source, due to causes beyond the control of the Contractor, contain insufficient suitable material, the Government will provide another source with an equitable adjustment in accordance with Clauses 52.243-5, Changes and Changed Conditions or Clause 52.236-2, Differing Site Conditions.

(b) Contractor Furnished Sources - When the material sources are not designated as provided above or the Contractor elects not to use designated sources, the Contractor shall be responsible for providing the specified product with no adjustment in contract price, unless weight/volume relationship differences between designated source material and Contractor furnished source material result in financial disadvantage to the Government. Quality Testing shall be the responsibility of the Contractor. Test results shall be furnished to the Contracting Officer.

Storage Stockpiling of Materials

Materials shall be stored to assure the preservation of quality and fitness for the work. Stored materials shall be located to facilitate their prompt inspection. Sites on Forest Service administered land, approved by the Forest Service, may be used for storage purposes and for the placing of Contractor's plant equipment. All storage sites provided by the Forest Service shall be restored at Contractor's expense. Contractor shall be responsible for making arrangements for storage on other than Forest Service administered lands.

Earthwork Tolerance

Changes within specified tolerances (such as adjustment of horizontal or vertical alignment) shall be made as necessary to maintain earthwork quantities substantially as designed within balance points. Such adjustments shall not be considered as "Changes" under Clause 52.243-5.

Safety

Contractors shall submit a written, project-specific safety plan, addressing at a minimum the information below; including an accident prevention plan; and mitigation procedures, to the Contracting Officer for review and approval at the post award meeting.

The following are some safety hazards which have been identified while performing road and bridge construction/reconstruction activities on the National Forest. The Contractor shall provide a written, job specific safety plan addressing these hazards at the pre work meeting.

1. Traffic Hazards
 - A. Narrow, gravel- or native-surfaced forest roads
 1. Construction traffic
 2. Recreational traffic (including ATV's)

3. Dusty conditions when the following or meeting other vehicles
 4. Rough running surface
- B. Obstructions In Road
1. Livestock and wildlife
 2. Rolling rocks
 3. Downed timber
2. Work Environment
 - A. Weather/Heat/Cold
 - B. Bees nests
 - C. Ticks
 - D. Uneven ground
 - E. Snags/hazard trees
 - F. Personal safety equipment
 3. Truck Driving & Trailer Towing
 - A. Stopping distance
 - B. Loads securely lashed
 - C. Clearances (powerlines, etc.)
 - D. Steep grades
 4. Excavation
 - A. Slope stability
 - B. Trench stability (CMP's etc.)
 - C. Loose material/rolling rock
 - D. Noise
 - E. Water
 5. Heavy Equipment Operation

While operating or working adjacent to or near heavy equipment, strict attention should be given to safety procedures. Injury, disability, or death may occur during any of the following:

 - A. Backing
 - B. Clearance around backhoes/excavators/cranes
 - C. Steep side slopes or soft ground/rollover
 - D. Refueling
 - E. Equipment limitations
 - F. Unsafe equipment / lack of safety equipment (hard hats, chaps, and other job-specific safety equipment)
 - G. Operator failure
 - H. Overhead hazards when cranes or excavators are operating during heavy lifting operations
 - I. Trailer, bucket, and other connections or retrofitting
 - J. Loud noise
 - K. Restricted sight distance
 - L. Reduced hearing capability of operator due to equipment noise
 - M. Overhead hazards when working near equipment
 - N. Heavy loads, including dead and live weight
 - O. Transport failures and accidents
 1. Unstableness
 2. Tie-downs

3. Loading/unloading hazards

6. Communications

A. Operators shall have communication via cell phone or FM radio.

Order of Precedence --Construction

Any inconsistency in this solicitation or contract shall be resolved by giving precedence in the following order:

- (1) The Schedule (excluding the specifications); i.e. Sections A, B, D, E, F, G, and H
- (2) Representations and Other Instructions; i.e. Sections K, L, and M
- (3) Contract Clauses; i.e. Section I
- (4) Other Documents, Exhibits, and Attachments; i.e. Section J
- (5) Special Project Specifications
- (6) Standard Specifications; i.e. Section C (including FAR clauses)
- (7) Shop Drawings
- (8) Plans
 - (a) Drawings, figured dimensions over scaled dimensions.
 - (b) Drawings, large scale contract drawings over small scale contract drawings.
 - (c) Schedules on contract drawings over any conflicting notations on contract drawings.

Project Specifications

Review the following to determine which are needed. The list includes the most commonly used specs.

The specifications cited in this solicitation may be obtained from:

Specification	Address
Standard Specifications for Construction of Roads and Bridges on Federal Highway Projects FP-14, U.S. Department of Transportation, Federal Highway Administration, Publication No. FHWA-FLH-14-002	U.S. Department of Transportation Federal Highway Administration Office of Federal Lands Highway 1200 New Jersey Avenue, SE Washington, DC 20590 (202) 366-9494
Or you may access them from: https://highways.dot.gov/sites/fhwa.dot.gov/files/docs/federal-lands/specs/12851/fp14.pdf	
Specification	Address
AASHTO Standards	American Association of State Highway and Transportation Officials 341 National Press Building Washington, DC 20024
ACI	American Concrete Institution Box 19150 Redford Station Detroit, MI 48219
ASTM Standards	American Society for Testing Materials 1916 Race Street Philadelphia, PA 19103 (215) 199-5462
AWPA	American Wood Preservers Association PO Box 849 Stevensville, MD 21666

FS	Federal Specifications (GSA) Building 197, Washington Navy Yard, SE Washington, DC 20407
MUTCD	Manual on Uniform Traffic Control Devices Superintendent of Documents U.S. Government Printing Office Washington, DC 20402

The request should identify the solicitation number and the specification requested by date, title, and number, as cited in the solicitation.