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## Preface

Preface\_wo\_02\_24\_2022

**Delete all but the first paragraph and add the following:**

The Forest Service, US Department of Agriculture has adopted FP-14 for construction of National Forest System Roads.

# 101 - Terms, Format, and Definitions

101.01\_National\_9\_15\_2016

**Add the following paragraph to Subsection 101.01:**

101.01 Meaning of Terms.

Delete all references to the TAR (Transportation Acquisition Regulations) in the specifications.

101.03\_National\_4\_7\_2015

**Add the following to Subsection 101.03:**

101.03 Abbreviations.

**(a) Acronyms.**

AGAR — Agriculture Acquisition Regulations

AFPA — American Forest and Paper Association

FSAR — Forest Service Acquisition Regulations

MSHA — Mine Safety and Health Administration

NESC — National Electrical Safety Code

WCLIB — West Coast Lumber Inspection Bureau

**(f) Miscellaneous unit abbreviations.**

MP — milepost location

ppm — parts per million volume

STA — station location

101.04\_National\_9\_5\_2018

**Make the following changes to Subsection 101.04:**

#### 101.04 Definitions.

##### **Delete these definitions and replace the following:**

**Bid Schedule** — The Schedule of Items.

**Bridge** — A structure, including supports, erected over a depression or an obstruction such as water along a road, a trail, or a railway and having a deck for carrying traffic or other loads.

**Contractor** — The individual or legal entity contracting with the Government for performance of prescribed work. In a timber sale contract, the contractor is the “Purchaser”.

**Culvert** — Any structure with a bottom, regardless of fill depth, depth of invert burial, or presence of horizontal driving surface, or any bottomless (natural channel) structure with footings that will not have wheel loads in direct contact with the top of the structure.

**Drawings** — (Public Works Contracts) Design sheets or fabrication, erection, or construction details submitted to the CO by the Contractor according to FAR Clause 52.236-21 Specifications and Drawings for Construction. Also refers to submissions and submittals.

**Notice to Proceed** — (Public Works Contracts) Written notice to the Contractor to begin the contract work.

**Right-of-Way** — A general term denoting (1) the privilege to pass over land in some particular line (including easement, lease, permit, or license to occupy, use, or traverse public or private lands), or (2) Real property necessary for the project, including roadway, buffer areas, access, and drainage areas.

**Solicitation**—(Public Works Contracts) The complete assembly of documents (whether attached or incorporated by reference) furnished to prospective bidders.

##### **Add the following definitions:**

**Adjustment in Contract Price** — “Equitable adjustment,” as used in the Federal Acquisition Regulations, or “construction cost adjustment,” as used in the Timber Sale Contract, as applicable.

**Change** — “Change” means “change order” as used in the Federal Acquisition Regulations, or “design change” as used in the Timber Sale Contract.

**Forest Service** — The United States of America, acting through the Forest Service, U.S. Department of Agriculture.

**Neat Line** — A line defining the proposed or specified limits of an excavation or structure.

**Pioneer Road** — Temporary construction access built along the route of the project.

**Purchaser** — The individual, partnership, joint venture, or corporation contracting with the Government under the terms of a Timber Sale Contract and acting independently or through agents, employees, or subcontractors.

**Protected Streamcourse** — A drainage shown on the plans or timber sale area map that requires designated mitigation measures.

**Road Order** — An order affecting and controlling traffic on roads under Forest Service jurisdiction. Road Orders are issued by a designated Forest Officer under the authorities of 36 CFR, part 260.

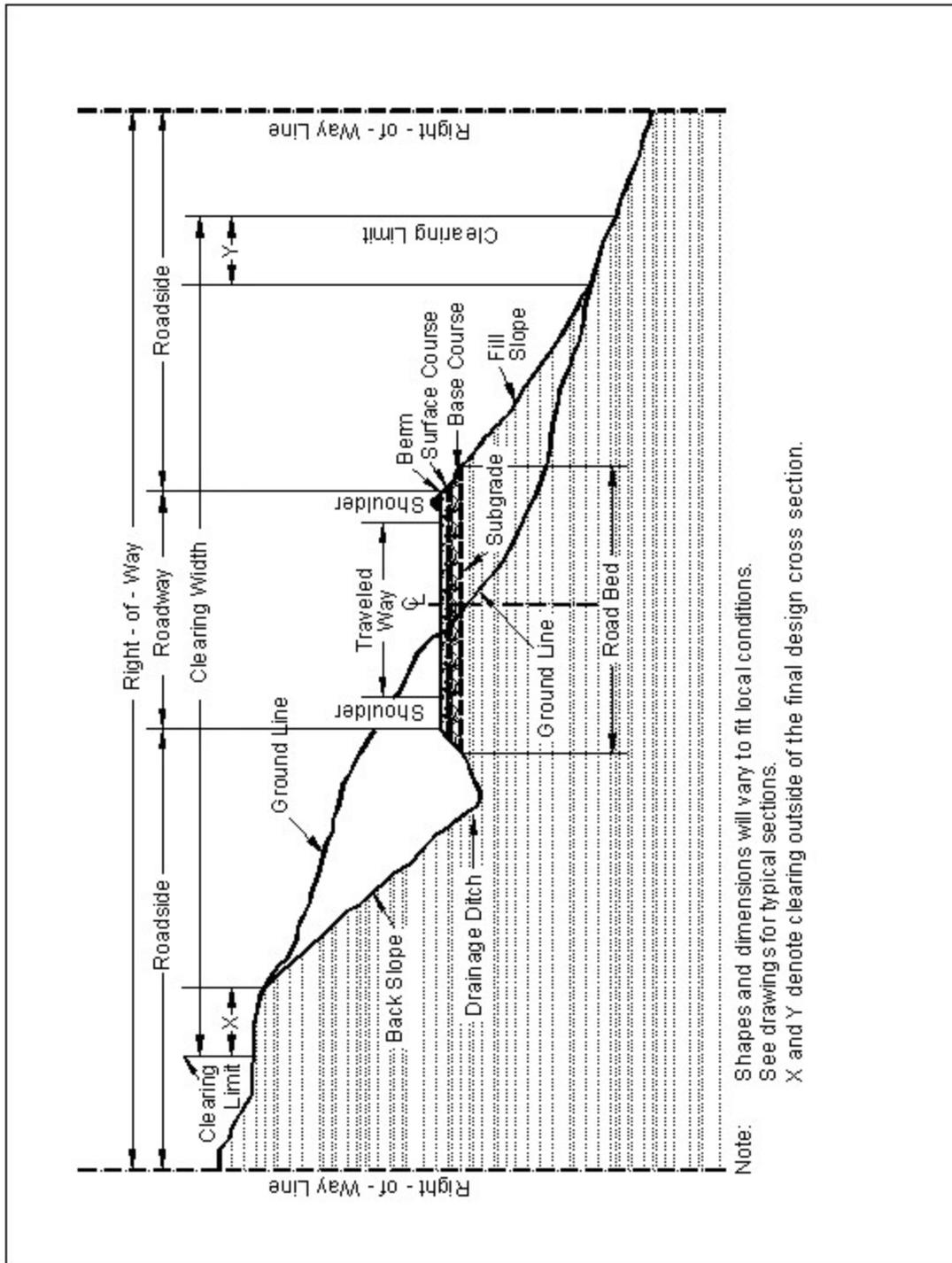
**Shop Drawings** — (Timber and Stewardship Contracts) Referred to as “Drawings” in FP-14, include drawings, diagrams, layouts, schematics, descriptive literature, illustrations, lists or tables, performance and test data, and similar materials furnished by Purchaser to explain in detail specific portions of the work required by the contract.

**Utilization Standards** —

The minimum size and percent soundness of trees described in Public Works contract specifications or Timber Sale and IRTC contract provisions to determine merchantable timber.

***Add Figure 101-1—Illustration of road structure terms:***

Figure 101-1—Illustration of road structure terms.



Note: Shapes and dimensions will vary to fit local conditions.  
 See drawings for typical sections.  
 X and Y denote clearing outside of the final design cross section.



## 102 - Bid, Award, and Execution of Contract

102.00\_National\_9\_15\_2016

**Delete Section 102 in its entirety.**

Delete Section 102.

## 103 - Scope of Work

103.00\_National\_9\_15\_2016

**Delete all of Section 103 except Subsection 103.01 Intent of Contract.**

Delete Subsections 103.02, 103.03, 103.04, 103.05.

## 104 - Control of Work

104.00\_National\_9\_15\_2016

### **Delete Subsections 104.01, 104.02, and 104.04.**

Delete Subsections 104.01, 104.02, 104.04.

104.06\_National\_9\_16\_2016

### **Add the following to Subsection 104.06:**

104.06 Use of Roads by Contractor.

The Contractor is authorized to use roads under the jurisdiction of the Forest Service for all activities necessary to complete this contract, subject to the limitations and authorizations designated in the Road Order(s) or described in the contract, when such use will not damage the roads or national forest resources, and when traffic can be accommodated safely.

## 105 - Control of Material

105.05\_National\_6\_29\_2020

105.05 Use of Material Found in the Work.

Delete 105.05 (a) and (b) and the last sentence of the second paragraph and substitute the following:

Materials produced or processed from Government lands in excess of the quantities required for performance of this contract are the property of the Government. Place excess material safely at government-approved location, at no additional cost to government.

## 106 - Acceptance of Work

106.01\_National\_7\_18\_2017

**Delete Subsection 106.01 and replace with the following:**

### 106.01 Conformity with Contract Requirements.

Follow the requirements of FAR Clause 52.246-12 Inspection of Construction.

References to standard test methods of AASHTO, ASTM, GSA, and other recognized standard authorities refer to the methods in effect on the date of solicitation for bids.

Perform all work to the lines, grades, cross-sections, dimensions, and processes or material requirements shown on the plans or specified in the contract.

Incorporate manufactured materials into the work according to the manufacturer's recommendations or to these specifications, whichever is more strict.

Plan dimensions and contract specification values are the values to be strived for and complied with as the design values from which any deviations are allowed. Perform work and provide material that is uniform in character and reasonably close to the prescribed value or within the specified tolerance range. The purpose of a tolerance range is to accommodate occasional minor variations from the median zone that are unavoidable for practical reasons.

When standard manufactured items are specified (such as fence, wire, plates, rolled shapes, pipe conduits, etc., that are identified by gauge, unit mass, section dimensions, etc.), the identification will be considered to be nominal masses or dimensions. Unless specific contract tolerances are noted, established manufacturing tolerances will be accepted.

The Government may inspect, sample, or test all work at any time before final acceptance of the project. When the Government tests work, copies of test reports are furnished to the Contractor upon request. Government tests may or may not be performed at the work site. If Contractor testing and inspection is verified by the Government, the Contractor's results may be used by the Government to evaluate work for acceptance. Do not rely on the availability of Government test results for process control.

Acceptable work conforming to the contract will be paid for at the contract unit bid price. Four methods of determining conformity and accepting work are described in Subsections 106.02 to 106.05 inclusive. The primary method of acceptance is specified in each Section of work. However, work may be rejected at any time it is found by any of the methods not to comply with the contract.

Remove, repair, or replace work that does not conform to the contract, or to prevailing industry standards where no specific contract requirements are noted. Removing, repairing, or replacing work; providing temporary traffic control; and any other related work to accomplish conformity will be at no cost to the Government.

**(a) Disputing Government test results.** If the accuracy of Government test results is disputed, promptly inform the CO. If the dispute is unresolved after reasonable steps are taken to resolve the dispute, further evaluation may be obtained by written request. Include a narrative describing the dispute and a proposed resolution protocol that addresses the following:

1. Sampling method;
2. Number of samples;
3. Sample transport;
4. Test procedures;
5. Testing laboratories;
6. Reporting;
7. Estimated time and costs; and
8. Validation process.

If the evaluation requires additional sampling or testing be performed, mutually agree with the Government on witnessing procedures and on sampling and testing by a third party laboratory. Use a third party laboratory accredited by the AASHTO accreditation program. Provide proof of the laboratory's accreditation for the test procedures to be used. Do not use the same laboratory that produced the disputed Government test results or that produced the test results used as a basis for the dispute.

The CO will review the proposed resolution protocol and may modify it before final approval and execution.

The Government will use the approved resolution protocol test results to determine the validity of the disputed testing. If the Government test results are validated, the Contractor will be responsible for all costs associated with developing and performing the resolution protocol. If the Government test results are not validated, the Government will be responsible for all costs associated with developing and performing the resolution protocol. If the validity of the Government test results cannot be determined, the Contractor and Government will equally share all costs associated with developing and carrying out the resolution protocol.

**(b) Alternatives to removing and replacing non-conforming work.** As an alternative to removal and replacement, the Contractor may submit a written request to:

1. Have the work accepted at a reduced price; or
2. Be given permission to perform corrective measures to bring the work into conformity.

The request must contain supporting rationale and documentation. Include references or data justifying the proposal based on an evaluation of test results, effect on service life, value of material or work, quality, aesthetics, and other tangible engineering basis. The CO will determine disposition of the nonconforming work.

**Delete Subsection 106.02 and replace with the following:**

### 106.02 Visual Inspection.

Acceptance is based on visual inspection of the work for compliance with the specific contract requirements. Use prevailing industry standards in the absence of specific contract requirements or tolerances.

## 107 - Legal Relations and Responsibility to the Public

107.05\_National\_7\_18\_2017

### **Delete Subsection 107.05.**

Delete Subsection 107.05.

## 108 - Prosecution and Progress

108.00\_National\_9\_16\_2016

**Delete Section 108 in its entirety.**

Delete Section 108.

# 109 - Measurement and Payment

109.00\_National\_9\_16\_2016

**Delete Subsections 109.06, 109.07, 109.08, and 109.09:**

Delete Subsections 109.06, 109.07, 109.08, 109.09.

109.01\_National\_2\_22\_2019

**Delete the third paragraph and Table 109-1 of Subsection 109.01 and replace with the following:**

109.01 Measurement of Work.

Take measurements as described in Subsection 109.02 unless otherwise modified by the Measurement Subsection of the section controlling the work being performed. Table 109-1 indicates the accuracy required for quantities of the various pay units used in the Schedule of Items. Use this guide to determine the decimal placement in the final payment.

**Table 109-1**

**Decimal Accuracy of Quantities for Final Payment**

Pay Item	Level of Precision
Linear Foot	1
Exception--Timber, Steel, and concrete Piles	0.1
Station	0.1
Mile	0.01
Square Foot	0.1
Square Yard	0.1
Each	1
Acre	0.01
Gallon	1
M-Gals.	0.1
Cubic Yard	1
Exception--Structure Excavation; Sheathing Materials; Bedding, Bed Course, and Backfill Materials; Gabions;	0.1
Exception--Concrete; Masonry	0.01
Pound	1
Ton	0.1
Exception--Calcium Chloride; Sodium Chloride; Hydrated Lime; Bituminous Materials; Pavements; Bed Course Materials	0.01
Hour	0.1
MFBM	0.01

Station Yard	1
Cubic Yard Mile	1
Ton Mile	1

109.02\_National\_9\_16\_2016

**Add the following sentence to Subsection 109.02(b):**

109.02 Measurement Terms and Definitions.

**(b) Contract quantity.**

Contract quantities will be adjusted only when there are errors in the original design of 15% or more.

## 155 - Schedules for Construction Contracts

155.00\_National\_9\_14\_2016

### **Delete Section 155 in its entirety.**

Delete Section 155.

## **813 – Spot Surfacing**

### **813.01 Service Required.**

Load, haul, and place surface material to repair or stabilize road surfaces.

### **813.02 Performance Standard.**

Spot surfacing is complete when the designated quantity of the ordered material has been placed, shaped and compacted.

### **813.03 Location of Work.**

As specified on roads listed on the Work List, shown on the Plans, or as ordered by the Contracting Officer.

### **813.04 Measurement.**

Measurement under this Section will be made by the total number of units for each item listed in the Schedule of Items completed and accepted.

A. The quantity will be the number of cubic yards measured in the vehicles, or cubic yards of aggregate placed.

### **813.05 Payment.**

The accepted quantities will be paid at the contract price per unit of measurement for the Section 813 pay items listed in the Schedule of Items. Payment will be full compensation for the work prescribed in this Section.

## **832 – Load, Haul and Place Material**

**832.01 Service Required.**

Sidecast or load, haul, and place slide and slough material at designated sites. Sidecast material shall be placed on the downhill side of the roadway. No material shall be placed in streams or on streambanks. In Juneau, there will be no designated sites for slough material on National Forest System lands.

**832.02 Performance Standard.**

Work is complete when the road is in a smooth drivable condition with no obstruction remaining on or adjacent to the roadway or in ditches which would have the potential to interfere with traffic use, block or divert water from structures or channels. This includes relocation, repositioning, stabilization, and re-vegetation as ordered by the Contracting Officer.

**832.03 Location of Work.**

As specified on roads listed on the Work List, shown on the Plans, or as ordered by the Contracting Officer. End haul distances will generally be less than 2 miles.

**832.04 Measurement.** Measurement under this Section will be made by the total number of units for each item listed in the Schedule of Items completed and accepted.

A. Cubic Yard: The quantity will be the number of cubic yards measured in the vehicles.

**832.05 Payment.**

The accepted quantities will be paid at the contract price per unit of measurement for the Section 832 pay items listed in the Schedule of Items. Payment will be full compensation for the work prescribed in this Section.

**832.06 Acceptable Quality Levels**

Performance Standards	Required Services	Surveillance Method & Performance Threshold
Slopes stabilized, drainages are not blocked, no undercut backslopes remain, ditches clean, road is clear of debris	Clean slide material from roadway	Visual Inspection No variances allowed
Disposal sites are stable and located at approved locations.	Place slide material at designated sites to lines and grades shown on drawings	Visual Inspection Incidental variances allowed

## **834 – Roadway Drainage Maintenance**

### **834.01 Service Required.**

Clean and recondition roadway drainage systems including culverts, ditches, inlet and outlet channels, catch basins, and appurtenances.

### **834.02 Performance Standard.**

Drainage system maintenance is complete when no obstruction or debris remains on the roadway or in the defined area adjacent to the structure or in ditches which would have the potential to block water from entering the structure, back water into the structure (except for structures designed to function in a back-flooded manner), or divert water outside the defined channel. Equipment operation in live streams or hydraulic flushing of drainage structures is not permitted. Excess excavated materials will be placed on the downhill side of the road. Completed ditches will be a minimum of 3' wide by 1' deep.

### **834.03 Location of Work.**

As specified on roads listed on the Work List, shown on the Plans, or as ordered by the Contracting Officer and;

1. Drainage structures including inlet structures, culverts, catch basins, inlet/outlet channels, and ditches within the area shown on the Plans or in the Supplemental Specifications.
2. Culverts - a minimum external horizontal distance of 10 feet in any direction from the inlet and outlet end and a minimum internal distance of 3 feet from the inlet and outlet ends.
3. Ditches adjacent to the roadbed.
4. This work does not include bridges, drain dips, or water bars.

### **834.04 Measurement.**

Measurement under this Section will be made by the total number of units for each item listed in the Schedule of Items completed and accepted.

Work activity will be measured along the centerline of the road regardless of the number of lanes. One mile of road includes work on both sides of the road.

### **834.05 Payment.**

The accepted quantities will be paid at the contract price per unit of measurement for the Section 834 pay items listed in the schedule of items. Payment will be full compensation for the work prescribed in this Section.

## 842 – Roadside Brushing

### 842.01 Service Required.

Remove vegetation, including trees, on roadway surfaces and roadsides.

### 842.02 Performance Standard.

Roadway vegetation maintenance is complete when the vegetation has been removed from the designated treatment area which interferes with traffic, obscures signs, impedes the flow of water or diverts water from drainage structures.

- **Method A Treatment Area:** From 5 ft. slope distance beyond toe of ditch to 10 ft. slope distance on fill slope.
- **Method B Treatment Area:** From toe of ditch to 5 ft. slope distance on fill slope.
- **General Notes:** Cut all brush within treatment area which is less than or equal to 6 inches in diameter measured 6 inches above the ground.

Cut all brush within 5 feet of culvert inlets.

Cut brush to provide overhead clearance of 14 feet on road surface.

Remove debris from road surface, ditches, and cut slope above the road. Scatter to fill slopes below the road, no debris piles allowed at culvert outlets.

Clean culvert inlets and outlets of debris a minimum of 2 culvert diameters.

Cut brush to provide sufficient site distance on the inside of sharp curves to eliminate blind corners and intersections.

### 842.03 Location of Work.

As specified on roads listed on the Road List, shown on the Plans, or as ordered by the Contracting Officer.

### 842.04 Measurement.

Measurement under this Section will be made by the total number of units for each item listed in the Schedule of Items completed and accepted.

- A. Work activity will be measured along the centerline of the road regardless of the number of lanes. One mile of road includes treatment on both sides of the road.

### 842.05 Payment.

The accepted quantities will be paid at the contract price per unit of measurement for the Section 842 pay items listed in the schedule of items. Payment will be full compensation for the work prescribed in this Section.

## 842.06 Acceptable Quality Levels

Description	Standard	Maximum Allowable Deviation from Standard	Corrective Action for Work Exceeding Standard
Tree Damage	No Unnecessary Damage to a tree bole greater than 6" in diameter	Unnecessary damage resulting in more than 30% of the tree bole that is greater than 6" in diameter	Remove or Treat
Slope Distance Clearance	Vegetation cleared to the specified distance from road edge on each side of road	None	Rework
Vertical Clearance	Vegetation cleared to a specified distance of 14 feet from road surface elevation	None	Rework
Height Above Ground Surface	Vegetation shall be removed to a maximum height of 6 inches above the nearby ground surface	None	Rework
Drainage	Vegetation shall be removed from drainage structures or ditches that impede flow or divert water	None	Rework
Oversized Material	Material greater than 3" in diameter and 24" in length remaining on the roadway surface and/or roadways drainages or has the potential to move into drainages	None	Rework
Concentrations	Any concentration that affect sight distance or drainage	None	Rework
Work Area Management	Following approved safety plan which may include signs and other temporary traffic control measures	None	Suspend work until in compliance