



United States  
Department of  
Agriculture

Forest  
Service

Idaho Panhandle  
National Forests

Forest Supervisor's Office  
3815 Schreiber Way  
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File Code: 7700  
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Date: July 10, 2008

Subject: Special Project Specifications  
Gold Crown Timber Sale

To: Forest Supervisor

Special Project Specifications for Sections 101, 102, 104, 106, 203, 204, 206A, 299, 299A, 601, 625, and 713 of the 1985 Standard Specifications for Construction of Roads and Minor Drainage Structures, herein attached, are approved for use in the proposed Gold Crown Timber Sale Project.

  
JIM GEBHARDT  
Forest Engineer

Enclosures



<b>Project Name:</b>	<b>Gold Crown Timber Sale</b>	<b>Road Number....</b>	2642B	2642D	2642E	2642E	<b>Revision</b>
<b>Date Prepared:</b>	7/10/08	<b>Const. -Reconst..</b>	C	C	R	C	<b>Date</b>
<b>Spec No.</b>	<b>Title</b>						
101	Abbreviations	X	X	X	X		4/1985
SPS 101	Abbreviations	X	X	X	X		(07/10/08)
102	Definitions	X	X	X	X		4/1985
SPS 102	Definitions	X	X	X	X		(4/96)
104	Maintenance for Traffic	X	X	X	X		4/1985
SPS 104	Maintenance for Traffic	X	X	X	X		(07/10/08)
106	Measurement & Payment	X	X	X	X		4/1985
SPS 106	Measurement & Payment	X	X	X	X		(07/10/08)
203	Excavation & Embankment		X				4/1985
204	Soil Erosion & Water Pollution Control	X	X	X	X		4/1985
SPS 204	Soil Erosion & Water Pollution Control	X	X	X	X		(07/10/08)
299	Composite Road Construction	X	X		X		4/1985
SPS 299	Composite Road Construction	X	X		X		(07/10/08)
SPS 299A	Composite Road Reconstruction			X			(07/10/08)
601	Mobilization	X	X	X	X		4/1985
SPS 601	Mobilization	X	X	X	X		(07/10/08)
625	Seeding & Mulching	X	X	X	X		4/1985
SPS 625	Seeding & Mulching	X	X	X	X		(07/10/08)
713	Roadside Improvement Materials	X	X	X	X		4/1985
SPS 713	Roadside Improvement Materials	X	X	X	X		(4/96)

## IPNF SPECIAL PROJECT SPECIFICATION GOLD CROWN TIMBER SALE

101.02

Delete in its entirety and substitute the following:

### Pay Items & Pay Units

"& .....	And	MAT'L.....	Material
AC.....	Acre	M.....	Metal
AL.....	Aluminum	MAX.....	Maximum
ASP.....	Asphalt	MBF.....	One Thousand Feet Board Measure
AVAIL.....	Available	MGALS.....	One Thousand Gallons
BARR.....	Barrier	MHD.....	Method
BKN.....	Broken	MI.....	Mile
BST.....	Bituminous Surface Treatment	MIN.....	Minimum
CATTLEGD.....	Cattleguard	MISC.....	Miscellaneous
CLEAR (CLG).....	Clearing	MP.....	Mile Post
CLEAR/GRUB.....	Clearing & Grubbing	MSF.....	One Thousand Square Feet
CMP.....	Corrugated Metal Pipe	OTBC.....	Open Top Box Culvert
COMP.....	Compaction	P M.....	Placement Method
CONC.....	Concrete	PVC.....	Polyvinylchloride
CONST.....	Construction (Construct)	RD.....	Road
CTD.....	Coated (Coating)	RECOND.....	Reconditioning
CUSH.....	Cushion	RECONST.....	Reconstruction (Reconstruct)
CY (CU YD).....	Cubic Yard	REFL.....	ReflectORIZED
CY MI (CYM).....	Cubic Yard Mile	RT.....	Right
DIA.....	Diameter	STMP (STP).....	Stump(s)
DL.....	Double Lane	SB.....	Self Balance
DWGS.....	Drawings	SEC.....	Section
EA.....	Each	SF.....	Square Foot (Feet)
EMB.....	Embankment	SL.....	Single Lane
EXC.....	Excavation	SLD.....	Solid
F&I.....	Furnish & Install	ST.....	Slash Treatment
FDN.....	Foundation	STA.....	Station (100 Feet)
FT.....	Foot (Feet)	STA YD.....	Station Yard
FUNC.....	Function	STL.....	Steel
GAL.....	Gallon	STR (STRUC).....	Structural
GR.....	Grade	SY (SQ YD).....	Square Yard
GRUB.....	Grubbing	SZ.....	Size
HDPE.....	High Density Polyethylene	T&L.....	Tops & Limbs
HOR.....	Horizontal	TBR.....	Timber
HR.....	Hour	TH.....	Thickness
HT.....	Height	TM.....	Ton Mile
I.....	Install	TO.....	Turnout
IN.....	Inches	TOL.....	Turnout Left
INCL.....	Including (Includes)	TOR.....	Turnout right
IND.....	Individual	TRS.....	Trees
JCT.....	Junction	UOT.....	Utilization of timber
L.....	Logs	VERT.....	Vertical
LBS.....	Pounds	W.....	Width
LDG.....	Loading	W/.....	With
LF (LIN FT).....	Linear (lineal) Foot	W/O.....	Without
LS.....	Lump Sum	X-SEC.....	Cross Section
LT.....	Left	YD.....	Yard

**IPNF SPECIAL PROJECT SPECIFICATION  
GOLD CROWN TIMBER SALE**

**Section 102 - Definitions**

Add the following:

"Noxious Weeds or Weeds. Any exotic plant species established or that may be introduced in the State which may render land unfit for agriculture, forestry, livestock, wildlife, or other beneficial uses and which is designated by the State's Department of Agriculture, or by the County's weed management district, or by other appropriate agencies having jurisdiction, or as listed on the current "All States Noxious Weed List."

Shop Drawings. Incidental design sheets and/or drawings which the Contractor is required to submit to the Forest Service. Shop drawings shall conform to the contract requirements, but they are not part of the contract drawings. They may be drawings, diagrams, schedules, performance charts, brochures, and similar data prepared by the Contractor, subcontractor, manufacturer, suppliers, or distributors that illustrate how specific portions of the work are to be fabricated or installed.

Weed Management District. A weed management district is any area of land identified for the purpose of weed management or control. Such an identified land area may be, but is not limited to one of the following: a project or job site, a County, two or more Counties, or a National Forest."

**IPNF SPECIAL PROJECT SPECIFICATION  
GOLD CROWN TIMBER SALE**

**Section 104 - Maintenance for Traffic**

104.01  
Roads to be  
Constructed

Add the following:

“ All roads are to be closed to the public during construction and reconstruction.

Prior to the Contractor shutting down any operations, the Contractor shall take such precautions as may be necessary to prevent damage to the project, such as approaches, crossings or intersections; and shall make provisions for normal drainage and minimization or erosion.”

104.03  
Construction  
Signs

"As a minimum, the Construction Sign Plan as SHOWN ON THE DRAWINGS, indicates the anticipated signing during construction activities. These signs shall be furnished and installed by the Contractor as staked or directed by the Contracting Officer. The Contractor shall have the responsibility for furnishing, installing maintaining and removing construction warning signs in conformance with the latest revision of the Manual of Uniform Traffic Control Devices. Signs shall be covered or removed when not necessary to warn of hazards. Additional signs shall be furnished, installed and maintained by the Contractor where appropriate, to provide for the safe passage of public traffic.

**MEASUREMENT**

104.05  
Method

"The method of measurement, as described in Section 106, will be DESIGNATED IN THE SCHEDULE OF ITEMS."

**PAYMENT**

104.06  
Basis

“Construction signing, flaggers, posts, and maintenance of construction signs under this section, shall be considered subsidiary to Pay Item 601(01) - Mobilization and no separate payment will be made.”

**IPNF SPECIAL PROJECT SPECIFICATION  
GOLD CROWN TIMBER SALE**

**Section 106 - Measurement & Payment**

106.03

Units of  
Measurement

Under "(a) Cubic Yard, " add the following:

"(4) Material, Compacted in Place. The measurement computed using measurements of material in the compacted state on the project. Statistically random measurements of length, depth, and width for computation of quantities shall be made along the project when Actual Quantities are shown on the SCHEDULE OF ITEMS."

Add the following to the end of this section:

"(j) Lump Sum. The quantities that denote one complete unit of work as required by or described in the contract, including necessary materials, equipment, and labor to complete the job."

106.04

Methods of  
Measurement

Add the following:

"The Variation of Quantity Clause does not apply to items paid for on a Designed Quantity (DQ) or Lump Sum Quantity (LSQ) basis."

**IPNF SPECIAL PROJECT SPECIFICATION  
GOLD CROWN TIMBER SALE**

**Section 204 - Soil Erosion & Water Pollution Control**

DESCRIPTION

204.01  
Work

Delete the entire subsection and substitute the following:

"This work consists of special temporary and/or permanent construction measures as SHOWN ON THE DRAWINGS and/or listed in this specification to control soil erosion and water pollution. Such measures may include (but are not limited to) filter windrows, slash blankets, brush barriers, drainage devices, earth berms, earthen water bars, sediment basins, aggregate base/surfacing, rock ditches, riprap, seeding, mulching, and/or straw bales.

This work shall also include special construction methods SHOWN ON THE DRAWINGS to control erosion at control areas."

MATERIALS

204.02  
Requirements

Delete the 2nd paragraph and substitute the following:

"All other materials shall meet commercial grade standards and shall be approved before being incorporated into the project."

CONSTRUCTION

204.03  
Performance

Delete the 2nd paragraph and substitute the following:

"Erosion control measures shall be incorporated into the project no later than the dates specified in Table 204.1. Variations in this schedule must be approved in writing by the Engineer."

Add the following after the 3rd paragraph:

"The following construction requirements shall apply:

- a.- Earthwork. Clearing and grubbing, excavation, borrow and embankment operations shall be scheduled and performed so that grading operations and permanent erosion control measures can follow without interference or be constructed within the time periods listed in Table 204.1.

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- b.- Stream Courses. Temporary culvert installations will not be permitted in live streams unless approved individually in writing by the Engineer. If such approval is granted, temporary culverts shall be offset a sufficient distance so that installation of the permanent culvert can be completed without removal of the temporary culvert. Temporary culverts

**IPNF SPECIAL PROJECT SPECIFICATION  
GOLD CROWN TIMBER SALE**

shall not be removed until flowing water is completely confined to the permanent culvert.

Diversion of live streams to allow work in the streambed shall be performed in such a manner as necessary to prevent erosion. Dikes of sufficient height to divert the flow without being overtopped shall be constructed in the stream above the drainage structure. Water shall be conveyed around the work area by a non-eroding conduit. Watertight pipes, tubing, or lined trenches may be used. Trench or pipe outlet areas shall be protected with plastic or other material approved by the Engineer to insure that diverted water does not cause erosion as it returns to the stream.

Equipment shall not operate in the stream unless authorized by the Engineer. This does not include a one time crossing of the stream to begin installation. After installation of the permanent drainage structure is completed, all dikes, temporary culverts, basins, and trenches shall be removed and the area restored to near natural condition.

- c.- Wet Conditions. The contractor shall conduct operations so as to minimize erosion and not develop conditions that will cause erosion. Work may continue during wet conditions as long as erosion and rutting is controlled.
  
- d.- End of Construction Season and prior to Move-out. Any rutted areas and other damaged areas shall be smoothed, sloped and graded to drain. All temporary stream course diversion conduits and temporary culverts shall be removed and the stream returned to its natural channel. All erosion control measures required under this specification shall be functional and approved by the Engineer. The seeding method prescribed in Section 625 shall be used on all areas where work has been completed.

**MEASUREMENT**

204.04  
Method

Add the following to the first paragraph:

"Items not shown in the SCHEDULE OF ITEMS will not be measured."

**PAYMENT**

204.05  
Basis

Add the following:

"Other erosion control work required under this specification and not shown in the SCHEDULE OF ITEMS is considered incidental to pay items in the Section listed in Table 204.1."

**IPNF SPECIAL PROJECT SPECIFICATION  
GOLD CROWN TIMBER SALE**

TABLE 204.1

<b>SECTION</b>	<b>DURATION</b>	<b>DESCRIPTION OF WORK</b>	<b>TIMING OF CONSTRUCTION</b>
203	Permanent	<u>Inslope/Outslope</u> as shown on drawings.	Continuously as road is roughed to grade.
Incidental to 203 or 625		<u>Special Construction Methods</u> . Specific locations and requirements shown on the drawings, and/or described in the Special Project Specifications.	As described on the drawings and/or in the Special Project Specifications.
203	Permanent	<u>Drainage Dip</u> Locations shown on the drawings.	Prior to the end of the construction season for all areas roughed to grade.
203	Temporary	<u>Uncompleted Roads</u> . The total length of all roads with uncompleted excavation and embankment, including pioneer roads, shall not exceed 500 lineal feet after October 15.	See description of work.
625	Permanent	<u>Seeding and Mulching</u>	As specified in Section 625

**IPNF SPECIAL PROJECT SPECIFICATION  
GOLD CROWN TIMBER SALE**

**Section 299 - Composite Road Construction**

**DESCRIPTION**

299.01 Delete the last sentence and add:

"Construction of the roadway shall be in conformance with the dimensions and other requirements SHOWN ON THE DRAWINGS and/or DESIGNATED on the ground."

**MATERIALS**

299.02 Delete paragraphs (b) and (d).  
Requirements

**CONSTRUCTION**

299.03 Delete the second paragraph and replace with the following:

Clearing &  
Disposal

"(a) Timber meeting utilization standards shall be that timber described in A2 of the timber sale contract which shall be treated as included timber, except for timber cut on other than National Forest land which shall be handled separately in accordance with the special provisions in the Timber Sale Contract. Decking areas for timber meeting utilization standards are as SHOWN ON THE DRAWINGS."

Delete paragraph (c), including Methods A through D and substitute with the following:

"(c) Treating construction slash which is larger than 3 inches in diameter and 3 feet in length, not included in (a) or (b) above, by the following method:

(4.1) Scattering.

Slash shall be limbed and scattered on embankments or among the trees outside the clearing limits in such a way so as to reduce concentrations and without damaging standing trees. Logs and stumps shall be positioned so as not to roll, away from trees, and not on top of each other.

299.05  
Grubbing

Delete this subsection and substitute the following:

Grubbing limits extend from the top of cut to the toe of fill. Undisturbed stumps need not be grubbed when they meet the following conditions.

Undisturbed stumps outside the roadway or in embankment areas, provided they do not extend more than 12 inches above the original ground (measured from the uphill side) nor closer than 2 feet to the finished subgrade or 1 foot to any slope

**IPNF SPECIAL PROJECT SPECIFICATION  
GOLD CROWN TIMBER SALE**

surface or as otherwise SHOWN ON THE DRAWINGS and they do not interfere with placement or compaction of embankments.

299.06  
Excavation &  
Embankment

Delete the fifth paragraph of this subsection and replace with the following:

Unless otherwise SHOWN ON THE DRAWINGS, the roadbed shall be shaped and finished to a condition that can be ordinarily accomplished by a Road Grader to provide drainage of surface water. Individual rocks, within the roadbed, shall not protrude over 4 inches above the subgrade. A motor grader finish is not required.

299.07  
Erosion Control

Delete this subsection and substitute the following:

Seed, fertilizer and mulch shall be applied as set forth in Section 625.

**IPNF SPECIAL PROJECT SPECIFICATION  
GOLD CROWN TIMBER SALE**

**Section 299A – Composite Road Reconstruction**

**DESCRIPTION**

299A.01  
Work

This work shall consist of clearing and grubbing, excavation and embankment, drainage excavation and erosion control. Clearing and grubbing shall include treatment of merchantable timber, and disposal of construction slash, including all designated trees. Excavation and embankment shall include borrow, drainage excavation, shaping the roadway, including approaches, turnarounds, ditches and drainage dips, and disposal of all excavated material, regardless of its nature. Erosion control, when specified, consists of furnishing and placing required seed, fertilizer and mulch. Reconstruction of the roadway shall be in conformance with the dimensions and other requirements SHOWN ON THE DRAWINGS or DESIGNATED on the ground.

**CONSTRUCTION**

299A.02  
Clearing &  
Disposal

“Clearing and grubbing shall meet the requirements in Section 299, and as SHOWN ON THE DRAWINGS.”

Utilization of timber (UOT) shall be as described in Subsection 299.03(a).

Slash treatment shall be Method as described in Subsection 299.03(c).

299A.03  
Pioneering

Pioneering operations shall not undercut the final back slope, deposit material outside the roadway limits, or restrict drainage.

299A.04  
Grubbing

Grubbing limits shall be as SHOWN ON THE DRAWINGS. Stumps outside the grubbing limits may remain, but shall be cut no higher than 12 inches above the original ground measured on the uphill side unless otherwise SHOWN ON THE DRAWINGS.

299A.05  
Excavation &  
Embankment

The roadway shall be reconstructed to conform to the typical sections SHOWN ON DRAWINGS. Embankment may be placed by side casting and end dumping.

The location and requirements for use of borrow material and any requirements for the removal and disposition of unsuitable or excess material will be as SHOWN ON THE DRAWINGS.

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Rocks too large to be incorporated in the embankment shall be placed outside the traveled way on the downhill side, so that they will not roll, obstruct drainage, or hinder the use and the maintenance of the roadbed.

To facilitate seeding, slopes shall be left in a roughened condition.

**IPNF SPECIAL PROJECT SPECIFICATION  
GOLD CROWN TIMBER SALE**

Unless otherwise SHOWN ON THE DRAWINGS, the travel way width shall not exceed the specified dimension by more than 2 feet.

299A.06                    The method for seeding shall be SHOWN OF THE DRAWINGS. The  
Erosion Control        rates and time of application and types of seed, fertilizer, and mulch  
                                 shall be accomplished as specified in Section 625 – Seeding &  
                                 Mulching and SPECIAL PROJECT SPECIFICATION 625.

**MEASUREMENT**

299A.07                    The method of measurement, as described in Section 106, will be  
Method                    DESIGNATED in the SCHEDULE OF ITEMS.

Items not shown in the SCHEDULE OF ITEMS will not be measured.

**PAYMENT**

299A.08                    The accepted quantities will be paid for at the contract unit price for each pay  
Basis                      item shown in the SCHEDULE OF ITEMS

Payment will be made under:

<u>Pay Item</u>		<u>Pay Unit</u>
299A(01)	Composite Road Reconstruction . . . . .	Mile
299A(02)	Composite Road Reconstruction . . . . .	Station

**IPNF SPECIAL PROJECT SPECIFICATION  
GOLD CROWN TIMBER SALE**

**Section 601 - Mobilization**

**DESCRIPTION**

601.01

Work.

Replace the first sentence with the following:

“This work shall consist of preparatory work and operations necessary for the movement of personnel, equipment, supplies, and incidentals to the project work site.

Preparatory work shall include cleaning of all equipment used at the project site. The Contractor(s) is required to clean all construction equipment prior to entry on the project site. This cleaning shall remove all dirt, plant parts and material that may carry noxious weed seeds into the area. Only construction equipment inspected by the Contracting Officer shall be allowed to operate within the project area. All subsequent move-ins of equipment shall be treated the same as the initial move-in. Truck beds and dump boxes hauling to the project site must also be cleaned prior to entering the work area.

Prior to initial move-in, the Contractor shall make all construction equipment available for inspection by the Contracting Officer at an agreed upon location. The Contractor shall provide the Contracting Officer at least 24 hours advance notification when equipment is ready for inspection.”

**IPNF SPECIAL PROJECT SPECIFICATION  
GOLD CROWN TIMBER SALE**

**Section 625 - Seeding and Mulching**

DESCRIPTION

625.01            Add the following:  
Work  
                      "All disturbed areas as well as finished cut and fill slopes are to be treated."

CONSTRUCTION

625.03            Add:  
Seeding  
Seasons            "Time of application shall be as specified:

During the Months marked with an 'X' below:

JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
				X	X			X			

Should climatic conditions permit, application may be performed outside the months marked above upon written approval by the Contracting Officer."

Delete the first and last sentences and add the following:

"Unless otherwise approved, a maximum of 5000 lineal feet of roads(s) may remain unseeded after October 1. A maximum of 5000 lineal feet of road(s) (including pioneer roads) may remain unseeded at the end of any construction season."

625.05            The following is added:  
Application  
Methods for        "The kinds of seed to be furnished and the amounts to be applied in terms  
Seed,                of pure live seed (PLS) shall be as follows:  
Fertilizer,  
& Limestone

	KIND OF SEED	QUANTITY/ACRE (# OF PLS)	
Native Seed Mix	Slender Wheat grass "Pryor", Or "Revenue".....	6	TOTAL 20# PLS/ACRE
	Sheep fescue "Durar".....	5	
	Streambank Wheatgrass "Sodar".....	3	
	Annual rye .....	2	
	Canby bluegrass "Canbar".....	4	Inoculation required

**IPNF SPECIAL PROJECT SPECIFICATION**  
**GOLD CROWN TIMBER SALE**  
SPECIAL PROJECT SPECIFICATION  
Cedar Side Boards Timber Sale

Pounds of seed to be furnished per acre shall be obtained by dividing the pounds of pure live seed (PLS) required per acre by the product of the percent purity and percent germination.

Example:  $\frac{5(\# \text{ PLS/acre})}{0.90 \times 0.85} = 6.55$  pounds commercial seed per acre.  
 (where purity=90% and germination=85%)

Certified, blue-tagged seed shall be used where a name variety or cultivar is specified. Blue tags, which are removed to mix the seed, shall be provided to the Forest.

All seed purchased will be certified to be free of the noxious weed seeds from weeds listed on the current "All States Noxious Weeds List".

Test results from a certified seed analyst and seed analysis labels attached to the bags will be provided to the Forest Service. Lab testing for noxious weeds will be conducted prior to seed mixing. Only after a finding and documentation in writing of no weeds on the current "All States Noxious Weeds List" will the seed be accepted and used.

Seed shall be applied by the Dry method. Fertilizer shall be applied at the rate of 200 pounds per acre in 1 application(s) by the Dry method and have a chemical analysis as listed below:

<u>Nutrient</u>	<u>Percent</u>	<u>Nutrient</u>	<u>Percent</u>
Nitrogen, N . . .	<u>16</u>	Potassium, K. . .	<u>16</u>
Phosphorus, P205.	<u>16</u>	Sulphur, S. . .	<u>6</u> "

625.06  
 Application  
 of Mulch

The following is added:

“Mulch material shall be certified noxious weed free straw and shall be mechanically applied at a rate of 3000 pounds per acre. The Contractor shall furnish the Contracting Officer with a copy of the certification.”

**IPNF SPECIAL PROJECT SPECIFICATION  
GOLD CROWN TIMBER SALE**

**Section 713 - Roadside Improvement Materials**

713.04      Replace the first paragraph with the following paragraph:  
Seed

The kinds of grass, legumes, and cover-crop seed furnished shall be those stipulated in the SPECIAL PROJECT SPECIFICATIONS. All seed shall meet the requirements of Federal Specification-JJJ-S-181 which shall be amended as follows:

All seed purchased shall be certified to be free of noxious weed seeds from weeds listed on the current "All States Noxious Weeds List."

Replace the second paragraph with the following paragraph:

Seed shall be furnished separately or in mixture in standard containers with (1) seed name; (2) lot number; (3) net weight; (4) percentages of purity and of germination (in case of legumes, percentage of germination to include hard seed); and (5) percentage of maximum weed seed content clearly marked for each kind of seed. The contractor shall furnish the Contracting Officer duplicate signed copies of a statement certifying that each lot of seed has been tested by a certified seed analyst. This statement shall include (1) name and address of laboratory, (2) date of test, (3) lot number for each kind of seed, and (4) results of tests as to name, percentages of purity and of germination, and percentage of weed content for each kind of seed furnished, and, in case of a mixture, the proportions of each kind of seed. Laboratory testing for noxious weeds shall be conducted prior to seed mixing. Only after a finding and documentation, in writing, of no weeds on the current "All States Noxious Weeds List," will the seed be accepted and used. Legume seed shall be inoculated with approved cultures in accordance with the instructions of the manufacturer. Seed analysis labels attached to the bags shall be provided to the Forest Service.