

FOREST SERVICE SPECIFICATIONS FOR CONSTRUCTION OF ROADS AND BRIDGES

SPECIFICATION LIST

Project Name <u>TEMPLEMENTAL</u>		Road Number.	397	397A	397C	397D	940	941	Latest Revision Date
		Road Name	CampNine	Eagle	Temple.Lk	National	W.Temple.	E.Temple.	
Date Prepared <u>01/18/08</u>		Termini	2.0-3.45	0.0-2.50	0.0-2.50	0.0-1.82	0.0-0.88	0.0-1.00	
Spec. No.	Title	Const. – Reconst.	R	R	R	R	R	R	
101-106	General Specifications		X	X	X	X	X	X	4/85
SPS-101	Abbreviations		X	X	X	X	X	X	9/05/06
SPS-104	Maintenance for Traffic		X	X	X	X	X	X	9/05/06
SPS-106	Measurement & Payment		X	X	X	X	X	X	9/05/06
201	Clearing & Grubbing			X	X				4/85
SPS-201	Clearing & Grubbing			X	X				9/05/06
SPS-201A	Roadway Brushing		X				X	X	9/05/06
203	Excavation & Embankment			X	X		X		4/85
206A	Excavation for Culverts & Minor Structures			X	X				4/85
SPS-206A	Excavation for Culverts & Minor Structures			X	X				9/05/06
304	Aggregate Base or Surface Course			X	X	X			4/85
SPS-304	Aggregate Base or Surface Course			X	X	X			9/05/06
306	Reconditioning Existing Road		X	X	X	X	X	X	4/85
SPS-306	Reconditioning Existing Road		X	X	X	X	X	X	9/05/06
601	Mobilization		X	X	X	X	X	X	4/85
SPS-601	Mobilization		X	X	X	X	X	X	9/05/06
603	Metal Pipe			X	X	X			4/85
SPS-603	Metal Pipe			X	X	X			9/05/06
703	Aggregates			X	X				4/85
707	Metal Pipe			X	X				4/85

**IPNF SPECIAL PROJECT SPECIFICATION
TEMPELMENTAL 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

SPECIAL PROJECT SPECIFICATION
TEMPLENTAL TIMBER SALE

Section 104 - Maintenance for Traffic

104.01

Roads to be Deleted the first two paragraphs and replace with the following:
Constructed

"All roads, except Rd. 397, shall be closed during reconstruction activities. Contractor, at his discretion, may make reasonable accommodation for the passage of traffic."

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 of erosion."

IPNF SPECIAL PROJECT SPECIFICATION
TEMPLENTAL 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."

IPNF SPECIAL PROJECT SPECIFICATION
TEMPLENTAL TIMBER SALE

Section 201 - Clearing and Grubbing

DESCRIPTION

201.03

Utilization
of Timber

Add the following to the first paragraph after the first sentence:

"Timber meeting utilization standards shall be that timber as described in A-2 of the Timber Sale Contract and 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."

**IPNF SPECIAL PROJECT SPECIFICATION
TEMPLENTAL TIMBER SALE**

SECTION 201A - ROADWAY BRUSHING

DESCRIPTION

201A.01 This work shall consist of removing limbs, residual slash, live roadside brush, and
Work small trees between, or obtruding into, the designated brushing limits. The brushing
 limits shall be AS SHOWN ON THE DRAWINGS. Brushing areas shall include
 turnouts.

CONSTRUCTION

201A.02 All brush and small trees (6 inches diameter, or less, at the point of cut) inside the
Clearing & brushing limits and outside the roadbed shall be cut off no higher than 4 inches
Brushing above ground level (6 inches for machine brushing). Should rocks or other obstructions
 be encountered, the cutting height shall be no higher than 6 inches above the obstruction.
 Live trees with a diameter larger than 6 inches should be limbed to a height of 10 feet
 above the road surface. All brush and trees located on the roadbed shall be cut as nearly
 flush to the road surface as possible so stumps will not become a hazard to automobile
 tires.

201A.03 Windfalls lying within or across the brushing limits shall be limbed and cut off at a
Windfalls horizontal distance of 10 feet from each shoulder or at the brushing limit, which ever is
 least. Cut windfall material shall be disposed of as slash.

201A.04 No brushing debris shall be deposited in the traveled way Road Junctions and/or
 ditches of adjoining roads.

201A.06 All slash shall be scattered outside the brushing limits without damaging residual
Slash trees. Slash shall be defined as any material cut that has a length greater than
Treatment 36 inches or with a diameter greater than 3 inches at any point. No material shall be
 deposited in streams, streambeds, culvert inlets or outlets, or drainage ways.

MEASUREMENT

201A.07 The method of measurement, described in Section 106, will be DESIGNATED in
Method the SCHEDULE OF ITEMS.

Linear measurements will be horizontal along the road centerline.

Quantities will be the number of miles (or stations) and fractions thereof along the road
centerline, regardless of the amount of work required.

IPNF SPECIAL PROJECT SPECIFICATION
TEMPLENTAL TIMBER SALE

PAYMENT

201A.08 The accepted quantities will be paid for at the contract unit price for each pay item shown
Basis in the SCHEDULE OF ITEMS.

Payment will be made under:

<u>Pay Item</u>		<u>Pay Unit</u>
201A(01)	Roadway Brushing	Mile
201A(02)	Roadway Brushing	Station

IPNF SPECIAL PROJECT SPECIFICATION
TEMPLENTAL TIMBER SALE

Section 206A - Excavation for Culverts & Minor Structures

MEASUREMENT

206A.08 Add the following:
Methods

"(c) For gabion structures, measurement will be to the lines and grades as SHOWN ON THE DRAWINGS."

"(d) Excavation for pipe culverts with diameter of 36 inches or smaller and for pipe arches 42 inches by 29 inches or smaller and drop inlets shall not be measured."

PAYMENT

206A.09 After the first sentence, add:
Basis

"Payment for excavation for pipe culverts with diameter of 36 inches or smaller and for pipe arches 42 inches by 29 inches or smaller and drop inlets shall be included as a subsidiary item to Section 603 and Section 604. No separate payment shall be made under this Section or under Section 603, 603A, 603B, or 604."

SPECIAL PROJECT SPECIFICATION
TEMPLENTAL TIMBER SALE

Section 304 – Aggregate Base or Surface Course

304.12

Thickness Add the following to this subsection:
Requirements

“Compensation will not be made for thickness exceeding the specified thickness.”

IPNF SPECIAL PROJECT SPECIFICATION
TEMPLEMENTAL TIMBER SALE

Section 306 - Reconditioning Existing Road

DESCRIPTION

- 306.01 Delete "scarifying and" from the text.
Add: "and catch basins" following "outlets"

CONSTRUCTION

- 306.02 Delete the first two paragraphs including (a) and (b) of the second paragraph
Performance and replace with the following:
"Scarification of the traveled way and shoulders is not required. Any rock protruding less than two inches may be left in place. Rock protruding in excess of two inches shall be removed or the tops blasted. Resulting holes in the roadway or shoulders shall be backfilled with compacted suitable material."

**SPECIAL PROJECT SPECIFICATION
TEMPLEMENTAL TIMBER SALE**

Section 601 – Mobilization

DESCRIPTION

603.01 Add the following to this subsection:
Work

“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 Forest Service will 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.”

**IPNF SPECIAL PROJECT SPECIFICATION
TEMPLEMENTAL TIMBER SALE**

Section 603 - Metal Pipe

DESCRIPTION

603.01
Work

Add the following:

"The material thickness, corrugation dimensions, and other criteria for corrugated galvanized steel and corrugated aluminum alloy pipe specified in Section 707 and meeting the requirements of AASHTO M 36 and M 196, as applicable, provide certain strength characteristics. Reinforced concrete or polyethylene pipe meeting these strength characteristics may be substituted for the listed material. Substituted material shall meet the requirements of Section 603A or 603B, as appropriate."

MATERIALS

603.02
Requirements

Delete the second sentence, last paragraph, and add:

"Pipe should not be ordered until culvert locations are DESIGNATED ON THE GROUND and the correct lengths are determined and approved by the Contracting Officer."

CONSTRUCTION

603.06
Joining
Pipes

Replace the last sentence in the first paragraph with the following:

"Dimple bands shall not be used unless approved by the Engineer in writing."

603.08
Backfilling

At the end of the first paragraph, after "method A or B," add:

"or C"

After Method B, add:

"Method C - Compaction shall be obtained by a minimum of two passes with a mechanical tamper, approved by the Engineer, for each 6-inch layer (loose thickness) of backfill unless otherwise SHOWN ON THE DRAWINGS."