Attachment A
Attachment A: Base Bid Form

Lolo National Forest
Missoula Ranger District
Granite Creek Restoration Project 2018

<table>
<thead>
<tr>
<th>ITEM #</th>
<th>DESCRIPTION</th>
<th>PAY UNIT</th>
<th>EST.QTY.</th>
<th>UNIT PRICE</th>
<th>TOTAL COST</th>
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<tbody>
<tr>
<td>1</td>
<td>Mobilization/Demobilization</td>
<td>Lump Sum</td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Excavator and operator</td>
<td>Hour</td>
<td>830</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Dozer and operator</td>
<td>Hour</td>
<td>80</td>
<td></td>
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</tr>
<tr>
<td>4</td>
<td>Backhoe and operator</td>
<td>Hour</td>
<td>40</td>
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<tr>
<td>5</td>
<td>10 wheel dump truck and operator</td>
<td>Hour</td>
<td>40</td>
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<tr>
<td>6</td>
<td>3/4 ton pickup (or larger) trailer and driver</td>
<td>Hour</td>
<td>40</td>
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<tr>
<td>7</td>
<td>Laborer</td>
<td>Hour</td>
<td>130</td>
<td></td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>Mulch</td>
<td>ton</td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>Dump fees</td>
<td>receipts</td>
<td>1</td>
<td>TBD</td>
<td>TBD</td>
</tr>
</tbody>
</table>

Total Base Bid

*These items have approximated quantities and may vary based on existing site/recovery conditions encountered as work progresses.

Print Company Name

Signature

Print Name and Title

Date
Base Items:

The Contractor shall be required to (a) commence work under this contract within 21 calendar days after the date the Contractor receives the notice to proceed, and (b) prosecute the work diligently. The time stated for completion shall include final cleanup of the premises.

The completion date is based on the assumption that the chosen contractor will receive the notice to proceed by June 15th, 2018. The completion date will be extended by the number of calendar days after the above date that the Contractor receives the notice to proceed, except to the extent that the delay in issuance of the notice to proceed results from the failure of the Contractor to execute the contract and give the required performance and payment bonds within the time specified in the offer.
Attachment B
Attachment C
Typical Section Closure Level 5
Full Road Recontour
No Scale

Typical Seeding Limits
Broadcast Application 20' Min.

Road Width
Varies

Typical section w/ ditch

Typical section w/o ditch

Place excavated material and contour to match original ground slopes.

Scarcify this area to a depth of 18" - 24".

Finished ground slope

Existing fill material to be excavated and used for recontouring.

Typical Section Closure Level 5FP
Full Road Recontour w/ Footpath
No Scale

Construct a 24" wide foot pathway free of scattered material. Location of foot pathway may vary within the existing roadway prism.

Typical Seeding Limits
Broadcast Application 20' Min.

Road Width
Varies

Typical section w/ ditch

Typical section w/o ditch

Place excavated material and contour to match original ground slopes.

Scarcify this area to a depth of 18" - 24".

Finished ground slope

Existing fill material to be excavated and used for recontouring.
**Notes:**

1. Remove all fill material from floodplain and restore original channel dimensions. Fully contour the adjacent roadway by placing fill material on the deep ripped roadbed. Do not deposit more material than existed naturally prior to road construction. Adjust stream channel restoration area limits so that all excavated material is used to contour the roadbed as shown on this sheet.

2. Stream restoration areas may be adjusted on either side of the channel to accommodate overlapping sections where streams are close together.

3. Scatter available woody debris on recontoured stream slopes. Place larger wood and rock on the floodplain.

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**Granite Creek Decommissioning**

<table>
<thead>
<tr>
<th>Stream Channel Restoration Detail</th>
<th>Sheet</th>
<th>Total</th>
</tr>
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<tbody>
<tr>
<td></td>
<td>2</td>
<td>3</td>
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</table>
Log-Spur

Section View

Plan View

Bank Full Water Level
Stream Bed
12" - 18" Ø Deflector Log
10' - 12' Long (Typical)
1.5' - 3' Ø Rock
18" - 24" Ø Log W/ Root Wad
30' - 35' Long (Typical)

Notes:
1. Use logs with an 18" - 24" diameter unless otherwise approved.
2. Rock may be substituted and used in the same manner as logs.
3. Key the structure (log or rock) a minimum of 2'-3' into each stream bank at or just below original grade.
4. Structure spacing depends on the following natural stream gradient as measured above or below the crossing influence zone:
   a) > 8%: 1-2 (wbf)*
   b) 4-8%: 2-3 (wbf)*
   c) 2-4%: 3-4 (wbf)*
   d) < 2%: 4 (wbf)*
   *wbf is the natural bankfull stream width
5. All surface rocks will be adequately protected from scour using footer rocks as shown in footer rock detail.

Rock Cross Vane

Section View

Plan View

Normal Low Flow Bank Line
Normal Low Flow Water Level
Slope Rocks @ 6% - 8%
Surface Rocks
Footer Rocks

Footer Rock Detail

Section View

Plan View

Normal Low Flow Bank Line
Bank Full Bank Line
Flow
20'-30'

Granite Creek Decommissioning
Gradient Control Structures Detail

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<thead>
<tr>
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<tr>
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