

OFFEROR'S COPY

NOTE: Attached forms are to be retained by Offeror.

Issuing Office:

USDA Forest Service
Central Administrative Contracting Zone
240 West Prospect Road
Fort Collins, Colorado 80526

Offers are Solicited for:

Seven Mile Stewardship Project
Canyon Lakes Ranger District
Arapaho & Roosevelt National Forest
And Pawnee National Grassland



Solicitation No. **RFP CAZ-01-43**

HELP PREVENT FOREST FIRES

IMPORTANT - NOTICE TO OFFEROR

1. This is a complete packet. Information and instructions for submission of offers as well as contract provisions and specifications are contained in this YELLOW PACKET. This packet should be retained by offerors for reference.
2. This is 100% set-aside for Small Businesses
3. For information, Please Contact: Byron Brown, 970/498-2508
4. A site visit is scheduled for **Tuesday, August 7, 2001, 9:30 am** at:

Canyon Lakes Ranger District
1311 South College
Fort Collins, CO 80524

Offerors need to confirm attendance with the above contract prior to the date of the meeting.



SOLICITATION, OFFER, AND AWARD
(Construction, Alteration, or Repair)

1. SOLICITATION NO. RFP CAZ-01-43	2. TYPE OF SOLICITATION [] SEALED BID (IFB) [X] NEGOTIATED (RFP)	3. DATE ISSUED 07/24/01
--	---	--------------------------------

IMPORTANT-The "Offer" section on pages 2 and 3 must be fully completed by offeror.

4. CONTRACT NO.	5. REQUISITION/PURCHASE REQUEST NO.	6. PROJECT NO.
7. ISSUED BY CODE (Hand-carried/Courier Address) USDA FOREST SERVICE ATTN: CONTRACTING 240 WEST PROSPECT ROAD FORT COLLINS, CO 80526	8. ADDRESS OFFER TO (U.S. Mail Delivery) USDA FOREST SERVICE ATTN: CONTRACTING 240 WEST PROSPECT ROAD FORT COLLINS, CO 80526	
9. FOR INFORMATION CALL	A. NAME BYRON BROWN	B. TELEPHONE NO. (Include area code) (NO COLLECT CALLS) (970) 498-2508

SOLICITATION

NOTE: In sealed bid solicitations "offer" and "offeror" mean "bid" and "bidder".

10. THE GOVERNMENT REQUIRES PERFORMANCE OF THE WORK DESCRIBED IN THESE DOCUMENTS (Title, identifying no., date):

Seven Mile Stewardship Project, RFP number CAZ-01-43
date of issue 7/24/01, Perform a variety of vegetative
mgmt. and road reconstruction on the Canyon Lakes RD,
Arapho-Roosevelt NF.

Price Range: Between \$100,000 and \$250,000

11. The Contractor shall begin performance within 5 calendar days and complete it within 5 years calendar days after receiving [X] award [] notice to proceed. This performance period is [X] mandatory [] negotiable. (See Section F, FAR 52.211-10).

EXCEPTION TO STANDARD FORM 1442 (REV.4-85)
APPROVED BY GSA/OIRM (6/85)

Prescribed by GSA
FAR(48 CFR) 53.236-1(e)

SOLICITATION, OFFER, AND AWARD
(Construction, Alteration, or Repair)

12A. THE CONTRACTOR MUST FURNISH ANY REQUIRED PERFORMANCE AND PAYMENT BONDS? (If "YES" indicate within how many calendar days after award in Item 12B.)
[] YES [X] NO

12B. CALENDAR DAYS

13. ADDITIONAL SOLICITATION REQUIREMENTS:

A. Sealed offers in original and 0 copies to perform the work required are due at the place specified in Item 8 by 4:30 PM (hour) local time 8/23/01 (date). If this is a sealed bid solicitation, offers must be publicly opened at that time. Sealed envelopes containing offers shall be marked to show the offeror's name and address, the solicitation number, and the date and time offers are due.

B. An offer guarantee [] is, [X] is not required.

C. All offers are subject to the (1) work requirements, and (2) other provisions and clauses incorporated in the solicitation in full text or by reference.

D. Offers providing less than 60 calendar days for Government acceptance after the date offers are due will not be considered and will be rejected.

OFFER (Must be fully completed by offeror)

14. NAME AND ADDRESS OF OFFEROR
(Include ZIP Code)

15. TELEPHONE NO. (Include area code)

16. REMITTANCE ADDRESS (Include
only if different than Item 14)

CODE FACILITY CODE

17. The offeror agrees to perform the work required at the prices specified below in strict accordance with the terms of this solicitation, if this offer is accepted by the Government in writing within _____ calendar days after the date offers are due. (Insert any number equal to or greater than the minimum requirement stated in Item 13D. Failure to insert any number means the offeror accepts the minimum in Item 13D.)

AMOUNTS

EXCEPTION TO STANDARD FORM 1442 (REV.4-85)

SOLICITATION, OFFER, AND AWARD
(Construction, Alteration, or Repair)

18. The offeror agrees to furnish any required performance and payment bonds.

19. ACKNOWLEDGMENT OF AMENDMENTS

(The offeror acknowledges receipt of amendments to the solicitation - give number and date of each)

AMENDMENT NO.										
DATE										
20A. NAME AND TITLE OF PERSON AUTHORIZED TO SIGN OFFER (Type or print)			20B. SIGNATURE				20C. OFFER DATE			

AWARD (To be completed by Government)

21. ITEMS ACCEPTED:

<p>22. AMOUNT</p>	<p>23. ACCOUNTING AND APPROPRIATION DATA</p>
<p>24. SUBMIT INVOICES TO ADDRESS SHOWN IN ITEM _____ (4 copies unless otherwise specified)</p>	<p>25. OTHER THAN FULL AND OPEN COMPETITION PURSUANT TO: [] 10 USC 2304(c) () [] 41 USC 253(c) ()</p>
<p>26. ADMINISTERED BY CODE _____</p> <p>USDA FOREST SERVICE ATTN: CONTRACTING 240 WEST PROSPECT ROAD FORT COLLINS, CO 80526</p>	<p>27. PAYMENT WILL BE MADE BY</p> <p>USDA FOREST SERVICE ATTN: CONTRACTING 240 WEST PROSPECT ROAD FORT COLLINS, CO 80526</p>

EXCEPTION TO STANDARD FORM 1442 (REV.4-85)

SOLICITATION, OFFER, AND AWARD
(Construction, Alteration, or Repair)

CONTRACTING OFFICER WILL COMPLETE ITEM 28 OR 29 AS APPLICABLE

[] 28. NEGOTIATED AGREEMENT (Contractor is required to sign this document and return _____ copies to issuing office.) Contractor agrees to furnish and deliver all items or perform all work requirements identified on this form and any continuation sheets for the consideration stated in this contract. The rights and obligations of the parties to this contract shall be governed by (a) this contract award, (b) the solicitation, and (c) the clauses, representations, certifications, and specifications incorporated by reference in or attached to this contract.

[] 29. AWARD (Contractor is not required to sign this document.) Your offer on this solicitation is hereby accepted as to the items listed. This award consummates the contract, which consists of (a) the Government solicitation and your offer, and (b) this contract award. No further contractual document is necessary.

30A. NAME AND TITLE OF CONTRACTOR OR PERSON AUTHORIZED TO SIGN (Type or print)		31A. NAME OF CONTRACTING OFFICER (Type or print)	
30B. SIGNATURE	30C. DATE	31B. UNITED STATES OF AMERICA BY _____	31C. AWARD DATE

EXCEPTION TO STANDARD FORM 1442 (REV.4-85)

SECTION B – SUPPLIES OR SERVICES AND PRICES/COSTS

SCHEDULE OF ITEMS

<u>Item</u>	<u>Description of Services</u>	<u>Quantity</u>	<u>Unit</u>	<u>Amount</u>
01	Road 517	1	LS	\$_____
02	Unit 1-8	1	LS	\$_____
03	Unit 9-21	1	LS	\$_____
04	Unit 25-30	1	LS	\$_____
05	Unit 22-24, 30	1	LS	\$_____
06	Unit 32-39	1	LS	\$_____
07	Pine Beetle Treatment	1	LS	\$_____
TOTAL				\$_____

LS = Lump Sum

Note: This Schedule will serve as the Contract Pay Item Schedule for the awarded contract. Payment will be made by sub-Item once all work within the sub-Item has been completed and accepted by the Government and an invoice has been received. A minimum partial payment of \$1,000.00 is required for request for payment. The following Section B Continuation Sheets (7 pages) must be completed to show the price breakdown for specified tasks; this breakdown will facilitate business proposal evaluation and the determination of price reasonableness.

CONTINUATION SHEET

REFERENCE NO. OF DOCUMENT BEING CONTINUED
RFP CAZ-01-43PAGE
2 of 5

NAME OF OFFEROR OR CONTRACTOR

ITEM NO.	PART I - THE SCHEDULE SECTION B SUPPLIES OR SERVICES AND PRICES/COSTS	EST. QUANTITY	UNIT	UNIT PRICE	AMOUNT
Seven Mile Project					
Canyon Lakes Ranger District					
1	Road FSR #517 Maintenance & Alignment				
	1.1a — Mobilization	1	LS		\$ _____
	1.1b — 201 Clearing	1	LS		\$ _____
	1.1c — 203 Excavation	200	CY	\$ _____	\$ _____
	1.1e — 203RD Roll Dip Construction	10	EA	\$ _____	\$ _____
	1.1f — 203RDR Roll Dip Reconstruction	10	EA	\$ _____	\$ _____
	1.1g — 203 Ditch	400	LF	\$ _____	\$ _____
	1.1h — 633 Gate Sign — Remove & Install	1	LS		\$ _____
	1.1i — 633 Roadway Signs	1	LS		\$ _____
	Item Total				
2	1.2a — Temporary Road Management	4	Job	\$ _____	\$ _____
	1.2b — Mechanical Thinning	89.6	AC	\$ _____	\$ _____
	1.2c — Mechanical Yarding (including skid roads)	89.6	AC	\$ _____	\$ _____
	1.2d — Slash Treatment	89.6	AC	\$ _____	\$ _____
	1.2e — Timber Stand Improvement	73.1	AC	\$ _____	\$ _____
	1.2e — Hand Piling	8.0	AC	\$ _____	\$ _____
	Item Total				\$ _____

CONTINUATION SHEET

REFERENCE NO. OF DOCUMENT BEING CONTINUED

PAGE

RFP CAZ-01-43

3 of 5

NAME OF OFFEROR OR CONTRACTOR

ITEM NO.	PART I - THE SCHEDULE SECTION B SUPPLIES OR SERVICES AND PRICES/COSTS	EST. QUANTITY	UNIT	UNIT PRICE	AMOUNT
3	1.3a -Temporary Road Management	4	Job	\$ _____	\$ _____
	1.3b --Mechanical Thinning	367	AC	\$ _____	\$ _____
	1.3c --Mechanical Yarding (including skid roads)	367	AC	\$ _____	\$ _____
	1.3d --Slash Treatment	367	AC	\$ _____	\$ _____
	1.3e --Timber Stand Improvement	73.1	AC	\$ _____	\$ _____
	1.3f -- "Hand Piling"	8.0	AC	\$ _____	\$ _____
	1.3g --Whip Felling	4.9	AC	\$ _____	\$ _____
	Item Total				\$ _____
4	1.4a - Temporary Road Management	1	Job		\$ _____
	1.4b -- Gate Installation	1	Job		\$ _____
	1.4b - Mechanical Thinning	206.1	AC	\$ _____	\$ _____
	1.4c --Mechanical Yarding (including skid roads)	206.1	AC	\$ _____	\$ _____
	1.4d --Slash Treatment	206.1	AC	\$ _____	\$ _____
	1.4e --Timber Stand Improvement	46.1	AC	\$ _____	\$ _____
	1.4f -- "Hand Piling"	2	AC	\$ _____	\$ _____
	1.4g- Gate Installation	1	Job		\$ _____
	Item Total				\$ _____

CONTINUATION SHEET

REFERENCE NO. OF DOCUMENT BEING CONTINUED
RFP CAZ-01-43PAGE
4 of 5

NAME OF OFFEROR OR CONTRACTOR

ITEM NO.	PART I - THE SCHEDULE SECTION B SUPPLIES OR SERVICES AND PRICES/COSTS	EST. QUANTITY	UNIT	UNIT PRICE	AMOUNT
5	1.5a — Temporary Road Management	2	Job	\$ _____	\$ _____
	1.5b — Mechanical Thinning	123.9	AC	\$ _____	\$ _____
	1.5c — Mechanical Yarding (including skid roads)	123.9	AC	\$ _____	\$ _____
	1.5d — Slash Treatment	123.9	AC	\$ _____	\$ _____
	1.5e — Timber Stand Improvement	26	AC	\$ _____	\$ _____
	1.5f — Whip Felling	32.2	AC	\$ _____	\$ _____
	1.5g — "Hand Piles"	2	AC	\$ _____	\$ _____
	Item Total				\$ _____
6	1.6a — Temporary Road Mgmt.	2	Job	\$ _____	\$ _____
	1.6b — Mechanical Thinning	3	AC	\$ _____	\$ _____
	1.6c — Mechanical Yarding (including skid roads)	3	AC	\$ _____	\$ _____
	1.6d — Slash Treatment	3	AC	\$ _____	\$ _____
	1.6e — Timber Stand Improvement	119	AC	\$ _____	\$ _____
	1.6f — Whip Felling	13	AC	\$ _____	\$ _____
	1.6g — "Hand Piles"	10	AC	\$ _____	\$ _____
	1.6h — Gate Installation	1	Job		\$ _____
	Item Total				\$ _____
7	7.1a — Mountain Pine Beetle Management	300	Tree	\$ _____	\$ _____
	Item Total				\$ _____

NAME OF OFFEROR OR CONTRACTOR

SECTION C - DESCRIPTION/SPECIFICATIONS/WORK STATEMENT

C-1 SCOPE OF CONTRACT

This contract requires thinning of overstocked stands to improve forest health and reduce the potential of catastrophic wildfires. All work will be done in compliance with the contract terms, specifications, and provisions. This includes furnishing labor, equipment, supervision, transportation, operating supplies, and incidentals. Private land is not required for access to any work on the project. To facilitate operations, the contractor may receive permission for use, travel or occupation of private land in writing from the owner, however, the Forest Service is not obligated to seek or guarantee or join that agreement. The contractor will be responsible for any damage to private property adjacent to Forest Service lands that may occur during operations.

C-2 LOCATION AND DESCRIPTION

The location of the worksite(s), access to the area(s), method(s) of work, size of each unit of work, and other information pertinent to this contract are contained on the Detailed Unit Information Sheet(s) and/or Vicinity and Project Map(s), which shall be considered as part of the technical specifications, and which are located in Section J of this contract. All units are located approximately 5 miles from Redfeather Lakes, Colorado. The work areas may be reached by Forest Roads that are accessible by standard pickup truck, weather permitting. Maintenance to keep roads open and to return the road surface to pre-work condition will be the contractors responsibility. Treatment Unit boundaries are identified using trees that are marked with three vertical stripes of blue tracer paint, above and below d.b.h. (diameter-at-breast-height) and signs identifying each unit.

C-3 CONTRACT SPECIFICATIONS**C-3.1 Contract Specifications Terms**

1. Contract Item - A pay item designated in the Schedule of Items and described by a specification.
2. Forest Supervisor - The person responsible for administration of a National Forest, including any authorized representative.
3. General Provisions - Those provisions of an administrative nature applicable to the contract.
4. Labor Standards Provisions - Those statutory and regulatory requirements pertaining to the Contractor's employees.
5. Specifications - That portion of the contract comprising a description of the general and technical requirements for materials, products or services to be furnished under the contract.

C-3.2 Technical Specifications Terms

1. Average spacing - The average of the distance between all leave trees necessary to provide the desired number of leave trees per acre.
2. Bucking - Cutting thinning slash left in place into lengths as indicated by technical specifications and project map(s).

3. Chipping - Mechanically chipping and hauling away or spreading across the unit as indicated by technical specifications and project map(s).
4. Created Opening - A pocket in which trees are cut and removed. Residual trees on the perimeter are the stated distance, or greater, to trees on the opposite side.
5. Crooked Trees - Trees with a sharp crook on the main bole which is less than 13 feet from the ground and offset more than 15% from the longitudinal axis.
6. Cull Tree - A diseased or damaged tree.
7. Damage - Includes any defect or deformity of a tree resulting from agents such as wind, snow, animals, insects, disease, and equipment, and evidenced by such things as dead or broken top or trunks, crooks, and deep scars.
8. d.b.h. (Diameter breast height) - Diameter of the trunk measured at a point 4-1/2 feet above the ground level on the uphill side of tree.
9. Deficient Trees - Those trees cut which should have been left to maintain average spacing requirements; or trees not selected according to the technical specifications requirements; or trees that are excessively damaged by the thinning operation.
10. Diseased trees - Mistletoe-infected trees, trees with one or more visible infections on one part of the live crown or stem poria-infected trees, trees with off-color foliage, or trees otherwise exhibiting a generally unhealthy appearance.
11. Dripline - An imaginary cylinder formed by the outer edges of the crown on trees and shrubs.
12. Excess Tree - Uncut trees which, according to the specifications, should have been cut. Also considered as excess trees are trees not completely severed from the stump, stumps with live limbs, stumps higher than specified, hangup trees, and trees not properly girdled if required.
13. Forked Tree - Tree with one or more forks in the live crown.
14. Fireline - A area 18" wide cleared to mineral soil considered a linear feature.
15. Fuel Break - An area 6' wide where thinning slash is removed or treated to reduce spread of fire to adjacent areas.
16. Girdling - A double saw kerf cut through the bark and cambium tissue completely encircling the tree trunk for the purpose of killing the tree.
17. Hangup Tree - Any cut tree suspended more than 4 feet off the ground.
18. Leave Strip - An area within a thinned unit in which no cutting will be done.

19. Leave Tree - Any tree that is selected or required to be left standing as provided in the specifications.
20. Lopping and Scattering - Cutting limbs from trunks of cut trees and moving and rearranging of slash concentrations to reduce the fuel bed height.
21. Manual Release - The cutting of vegetation within a specified radius around a suppressed leave tree.
22. Mechanical Damage - Any injury to bark or foliage.
23. Minor Damage - Crooks in the trunk which are offset less than 3 inches from the long axis and within 13 feet of the ground, no forks, top or bark damage extending more than 1/4 the circumference of the tree.
24. Natural Opening - A pocket in which no conifers are growing, and all conifers on the perimeter are the stated distance or greater, to conifers on the opposite side.
25. Piling - Gathering and stacking of thinning slash by hand methods into piles constructed and located as indicated by technical specifications and/or project maps.
26. Pull Back - Pulling thinning slash by hand methods back in thinned unit and dispersed as indicated by technical specifications and projects maps.
27. Pull-In - Pulling thinning slash by hand methods to edge of road with butt end of slash pointing toward road as indicated by technical specifications and project maps.
28. Road Prism - The area between the outside edges of the fillslope and the backslope.
29. Slash - Any vegetation that was cut by the Contractor and does not meet the specification for removal.
30. Spacing - The slope distance from the trunk of one leave tree to the trunk of the next nearest leave tree at d.b.h.
31. Stump Road - Temporary road that is "constructed" on flat ground and requires only tree clearing and no soil displacement, i.e. no dozer work, prior to use.
32. Thinning - The cutting of trees in excess of those to be left for management.
33. t.p.a. (Trees per Acre) - The average number of Leave trees per acre as provided in the specifications.

C-4 TECHNICAL SPECIFICATIONS

C4.1: Temporary Road Management, including landings, staging areas, and temporary roads. Applies to all units. See Logging Plan Map for additional details.

- A. The location, clearing, and road width limits must be approved by USFS prior to beginning operations. Skidding is as designated on the ground by the FS and/or Project Map.

- B. Use existing road prisms for temporary spurs and skids roads where ever possible.
- C. Temporary spur road specifications:
1. Maximum width of 12 feet.
 2. Utilize existing, natural openings where approved.
 3. Use "stump roads" where feasible on flat terrain to reduce soil displacement.
 4. Protect all streams and other areas designated for protection on the ground and/or Project Map by complete avoidance.
 5. See Logging Plan Map for proposed spur road locations.
- D. Skid road specifications:
1. Maximum width of 8 feet.
 2. Utilize existing, natural openings where approved.
 3. Minimize the displacement of the soils.
 4. Protect all streams and other areas designated for protection on the ground and/or Project Map by complete avoidance.
- E. Rehabilitation of temporary spurs, skid roads, landings, staging areas, and other disturbed sites:
1. Unless otherwise approved to by FS in writing, work shall be completed within 30 days following the completion of operations.
 2. As part of C4.5 F. below, some optional material may be left for Forest Service disposal on temporary roads landings, etc. No payment for temporary road management will occur until the material has been removed or disposed of and rehabilitation has occurred.
 3. Rehabilitation will include some, or all of the following actions:
 - i. Cross ditch at locations designated by the COR.
 - ii. Recontour to approximate the original topography existing temporary road prisms for the lesser of 100 feet or sight distance
 - iii. Till the road surface to a depth of 12 inches, or the average depth of compaction, and apply seed as specified below.
 - iv. Scatter available slash over the residual prism surface to a depth NOT to exceed 18 inches for 100 feet on slopes grater than 15%.
 - v. Block the road to unauthorized vehicular traffic by methods approved by the COR by methods such as trenches and earthen-barrier (tank trap), large rocks, replacing features such as slope, etc..
- F. To reduce the spread of noxious weeds, the contractor shall purchase and apply approved sterile grass/oat mix (Regreen) to all disturbed sites within the same growing season or first growing season after operations are completed. Other combinations may be approved by the Forest Service botantist.
1. All seed shall be certified weed-free. Documentation, to include blue tags, shall be provided to the Forest Service for the contract file.

C-4.2: Mechanical Thinning - Methods (See the Detailed Information sheet in Section J to identify which method applies to each thinning unit.)

The following specifications are common, and apply, to Methods listed below:

1. See Methods listed below for information on which trees are to be felled.
2. Trees shall be severed below the bottom green branches. Stumps shall be cut to a maximum of 6 inches above the ground, measured on the high side of the tree. Trees shall be completely severed from the stump.
3. Trees will be bucked to a 4 inch top and removed per C4.3. Remaining slash will be treated per C4.5.
4. Thinning operations will be conducted in such a manner as to protect the residual stand and remaining, or designated, boundary trees, wildlife trees, snags, and woody debris.
5. Trees will be felled to lead and away from riparian areas, wetlands, residual trees, and all sensitive areas, as designated on the ground and/or on Project Map.
6. Distances are measured slope distance, outside bark d.b.h. to outside bark d.b.h..
7. All trees marked with Blue tracer paint are to be left standing.
8. Unit boundaries are identified using trees that are marked with three vertical stripes of Blue tracer paint, above and below d.b.h. (diameter-at-breast-height).
9. Trees with wildlife tags are to be protected.

METHODS

Shelterwood (Prep, Seed, Removals): Shelterwood harvest - Individual Tree Marking

1. Trees to Leave: All trees marked with blue tracer paint or unmarked.
2. Trees to Cut: All trees marked with green tracer paint.

Commercial Thin or Special : Commercial thinning - Individual Tree Marking

1. Trees to Leave: All trees marked with blue tracer paint or unmarked.
2. Trees to Cut: All trees marked with green tracer paint.

Clearcuts: Clearcut with Reserves - Area Designation and Leave Tree Marking

1. Trees to Leave:
 - a. All trees less than 24 inches in height.
 - b. All live Aspen
 - c. All Ponderosa and Limber Pines, unless more than 1/3 of the live crown is infested with dwarf mistletoe.
 - d. All live or dead trees that are marked with orange paint.
2. Trees to Cut: All Live and Dead trees, except those designated above as "Trees to Leave"

Group Shelterwoods: Group/Irregular Shelterwoods - Area Designation and Leave Tree Marking

1. Cut trees within the painted groups boundaries within a unit.
2. Trees to Leave: All trees marked with blue tracer paint or unmarked.

3. Trees to Cut: All trees marked with green tracer paint.

Timber Stand Improvement : Precommercial Thinning In a Regenerating (Young) Stand - Designation by Description

A. Thin seedlings and saplings to achieve an average spacing of 10 x 10 feet, with a residual stand of approximately 436 trees per acre. Trees other than dominants may be retained if they are less diseased or contain less form defect than adjacent dominants.

1. Trees to Leave, in order of priority

- a. All live Ponderosa and Limber Pines, unless dwarf mistletoe has infested more than 1/3 of the live crown
- b. Dominant, healthy Lodgepole Pine.
- c. All Aspen, in addition to the trees left to meet the 10 x 10 feet spacing requirement
- d. In large openings where tree spacing exceeds 35 feet, do not cut any well-formed trees.
- e. Consider all trees greater than 12 inches in height in spacing requirements and for acceptable leave trees, except aspen.

2. Trees to Cut:

- a. All Lodgepole Pine where dwarf mistletoe is evident.
- b. All Douglas-fir and Subalpine Fir that are less than 5 inches d.b.h., regardless of spacing.
- c. All standing dead that do not meet snag retention guidelines.

Residual Felling (Whip Felling): Site Prep in Group/Irregular Shelterwoods, Clearcuts

1. Cut trees that remain within cut areas (unless they are marked blue) meeting the specifications for Timber Stand Improvement A.(2) above.
2. Trees and groups of trees that meet A and A(1) above found in these cut areas will be left uncut.

C-4.3: Mountain Pine Beetle Treatments: All trees found to contain active mountain pine beetle galleries within the project area will be cut and removed or with FS direction and approval, treated in place. The contractor is required to treat these trees before July 15 when the contractor has been notified of the discovery. The contractor is responsible for these treatments up to 1 year after the last unit of the project is closed. Past years activities indicate an average of 300 trees infected per year.

C-4.4: Materials to be removed from the site: Pieces of designated trees required to be removed and listed in Table X sec. J will be taken to designated landings, loaded onto trucks, and removed from the National Forest.

C-4.5: Mechanical Yarding (See section J for units where it may be applicable)

- A. Minimum specifications of materials to be yarded and removed: 3" top diameter, 5" bottom diameter, 8-1/3' log length with no rot. For material with rot:
 1. Minimum specifications of materials to be yarded and removed for lodgepole pine: 4" top diameter, 7" bottom diameter, 8-1/3' log length with 33% sound.
 2. Minimum specifications of materials to be yarded and removed for ponderosa pine pieces greater than 9" on the bottom end with a 5" top diameter, 8-1/3' log length and greater than 50% sound.
- B. Where materials are ground skidded the leading end of the logs must be suspended above the ground.

- C. Soil Protection/Operational Restrictions: Operations will be restricted to times when the soil is protected by:
1. Soil moisture levels below the plastic limit. (Soil moisture exceeds the plastic limit if the soil can be squeezed into a ball without breaking or crumbling.), or,
 2. 8 inches of packed snow or,
 3. Two inches of frozen soil
- D. Skid roads: All skid roads must be preapproved by the COR. (See C4.1)
- E. Logs will be skidded to preapproved landings.
- F. With FS approval, Optional material listed in Table X sec. J may be yarded to FS designated landings and left until the end of the contract period when it will become the property of the Forest Service, providing total tons per acre restrictions are met.

C-4.6: Slash Treatment - Methods

Units will be treated to provide treatment for activity created fuels. This includes limbs and unmerchantable pieces and optional material identified in section J. Optional material is that material which if treated by the methods below will add less than 2 tons dry weight per acre in material 3" or larger in diameter to the total fuel loading. (Traverse sampling may be used by the FS to verify compliance). Contractor may choose the method(s) which best meets his operations when more than one method is listed in section J.

A. Piling - (See section J for units where it may be applicable)

1. Be located as much as possible in natural or created openings.
2. Piles or decks not greater than 18 feet high and 60' long and 18' wide. (Total 20,000 cf).
3. Constructed as compact as possible so the piles do not topple.
4. Be located at least 20 feet away from residual trees drip line, unless approved.
5. Be constructed in such a manner as to prevent snow from entering the piles.
6. Be constructed in a manner to protect regeneration and residual trees.
7. Compact and dirt free.
8. Piles greater than 8' tall and 16' in diameter (2000 cf) are required to be on a cleared landing or a fireline will be constructed around the perimeter.

Piles shall NOT:

1. Be placed in ditchlines, culvert intakes, live streams, or on permanent road ditches or running surfaces.

B. Lop and Scatter/Chipped. (See section J for units where it may be applicable)

1. Accumulations of slash shall not exceed 18 inches in depth.
2. Slash/Chips shall be scattered throughout the unit so as to not form piles or windrows. Chips shall not accumulate more than 1" in depth to prevent grasses, shrubs or seedlings from becoming established.
3. Stems and tops shall be bucked sufficiently so the stems/boles lie flush on the ground.
4. In units designated for later burning, slash is to be pulled back at least 10 feet from the trunks of residual trees.
5. Slash must be bucked to not greater than 18' in length.

C. Rough Piling: (See section J for units where it may be applicable) In the units designated for clearcut, slash shall be lopped and scattered over approximately 60% of the unit in a manner to create fuel breaks equally across the unit. In addition, slash is:

3. Lopped, scattered or piled in a manner in which a fuel break is created around the perimeter of the unit.
4. Those and all accumulations of slash shall not exceed 18 inches in depth except for created landing piles.
5. Machine trampling or rollerchopping may be required if harvest activities do not scarify the ground. i.e. winter logging

D. Hand Piling: (See section J for units where it may be applicable) In the units designated for hand piling, the intent is to pile all activity fuel within 50' of the FSR that runs through or beside a unit. The method of creating these "hand piles" is normally by hand, but where allowable other mechanical methods may be approved by the FS. In addition, the pile shall:

1. Be located as much as possible in natural or created openings.
2. Constructed as compact as possible so the piles do not topple.
3. Be located at least 20 feet away from residual trees drip line, unless approved.
4. Be constructed in such a manner as to prevent snow from entering the piles.
5. Be constructed in a manner to protect regeneration and residual trees.
6. Compact and dirt free.
7. Piles greater than 5' tall and 10' in diameter (2000 cf) require a fireline to be constructed around the perimeter.
8. Shall not exceed 8 feet in height and 16 ft. in circumference.

C-4.7: Load Accountability and Use of Forest Biomass (Applicable to all units.) This contract is subject to the Forest Resource Conservation and Shortage Relief Act of 1990 (16USC 620, et seq.) when removed biomass meets log dimensions stated within the Act. Except for species determined to be surplus, unprocessed logs may not be exported from private lands by the Contractor or any person subject to this Act. Prior to delivering such unprocessed federal logs to another party, the Contractor shall require each buyer, exchangee, or recipient to execute an acceptable agreement, that shall: (a) specify domestic processing for the logs involved, (b) requires the execution of such agreements between the parties to any subsequent transactions involving said logs. (c) otherwise comply with the requirements of the Act prior to forest products delivered to buyer. Such agreements shall be submitted to the Contracting Officer prior to payment for accepted work.

In addition:

- (1) Forest Service will issue to Contractor or designated representative(s) serially numbered removal permit books to be attached to every load leaving the project area. Permit books, whether used or unused, shall be considered accountable property of Forest Service and shall be returned to the issuing Forest Service Office, in accordance with instructions contained in each book. Each book which is not returned to the Forest Service will be considered a lost book and liquidated damages of \$100.00 will be assessed.
- (2) Contractor shall require all permits to be completed and shall attach bottom portion to rear of load in visible location.

- (3) All sawtimber loads will require double end hammer branding and 5 painted (sale) numbers of highway yellow on each end of a log load. The hammer branding requirement may be waived in writing when the Contractor certifies that logs will be processed within the scaling area, and agrees to the waiver requirements.
- (4) Prior to payment of accepted sub-items that have removed forest biomass from the project area, the Contractor will provide a record of all loads removed by load number, destination (legal description), manufacturer's name(if applicable), and the anticipated use of the forest biomass. See Section J for a copy of the DISPOSITION OF FOREST BIOMASS form.

C-4.8: Protection of Natural and Developed Resources (Applicable to all units)

- A. Impacts to the soils must be such that no more than 15% of the vegetation management unit will be left in a detrimentally compacted or eroded condition.
- B. Petroleum Products: Appropriate preventative measures shall be taken to insure that any spill of a petroleum product does not enter any stream, wetland, or live water. An Oil Spill Plan, addressing equipment repair, petroleum spills, refueling, etc., will be required prior to commencement of operations.
- C. All streams, wetlands, and bodies of water shown on the project map will be protected by avoidance and other ephemeral courses found to carry water will be protected by use of best management practices described in the environmental analysis.
- D. The worksite must be kept clean of garbage and logging associated debris, i.e., oil cans, filters.
- E. A portable toilet will be required for each 10 workers.
- F. All logging equipment must be thoroughly cleaned prior to moving onto the work site to minimize the potential of spreading noxious weeds, per C4.9.
- G. Forest Service Roads and trails in the project area:
 - a. Must be kept open for public use and free of operational debris.
 - b. Caution signs for Truck traffic or heavy equipment must be posted on haul routes or FSRs/trails used as part of the logging operation. (See Project Map)
 - c. Contractor will ensure that snow removal operations on recreational snow trails will leave adequate amounts of snow for passage.
- H. Contractor will protect all improvements such as cultural resources, power lines, fences, land boundary monuments (section corners etc.) including those shown on the map or discovered during project. Protection will be by avoidance or agreed to methods.

C-4.9 Operational/Seasonal Restrictions (See Section J for restrictions specific to individual units)

- A. Hauling operations are prohibited from 3 pm Friday until 6 am Mondays and holidays between April 1 to November 15.
- B. Due to seasonal closure to the public, gates on FSR 171.A, 530, and 2W509 must be kept closed from 12-1 to 6-1. Contractors will be issued a key and will be responsible to open and close gates during use. Use of the roads by contractors is allowed providing other restrictions in Section C do not apply.
- C. FSR #517 is closed during the spring breakup period normally between April 15th and May 30th due to damage to the FSR 517. Variations in these dates may occur based on ground conditions described in Section C4.8c., and operators may be granted extra time based on days lost outside these days on a 1 to 1 basis. There is a gate at the bottom of FSR 517 which will be closed by the Forest Service and will remain closed until the Forest Service determines that the road is again open for use.

C-4.10: Noxious Weed Prevention (Applicable to all units)

Contractor shall ensure that prior to moving on the Project Area all off-road equipment is free of noxious weeds, is free of soil, seeds, vegetative matter, or other debris that could contain or hold seeds. Contractor shall certify in writing that such equipment is free of noxious weeds prior to each start-up of Project Area operations and for subsequent moves of equipment to Project Area. "Off-road equipment" includes all logging and construction machinery, including log trucks, chip vans, service vehicles, water trucks, pickup trucks, cars, and similar vehicles when they are driven off of FSR's shown in the project area.

Contractor shall employ whatever cleaning methods are necessary to ensure that off-road equipment is free of noxious weeds. Equipment shall be considered free of soil, seeds, and other such debris when a visual inspection does not disclose such material. Disassembly of equipment components or specialized tools are not required.

Infestations of noxious weeds, of concern to Forest Service and identified by either Contractor or Forest Service, on the Project Area, shall be promptly reported to the other party. When found in a unit, the contractor will be required to clean exposed equipment before moving the equipment out of the unit. The Forest Service will designate area(s) where water run-off will be allowed and collected or otherwise mitigated. Other forms of cleansers used on the National Forest must be approved in advance of use.

C-4.11: Safety:

- A. Road safety signs shall be in place at the junctions of FSR's #171, #517 and County Rd 162.
- B. All safety signs will be provided by the Contractor and must meet National sign standards. These Standards can be obtained from the Forest Service Contracting Officer.

C-4.12: Reconstruction and Realignment to FSR #517

FSR # 509, FSR #225 and FSR #517 are the main access into the project area (See Project Map, Section J., Attachment #2.). Road maintenance and minor improvements to drainage structures and the entrance from CR 162 are required prior to haul. Approximately 1/2 mile of FSR # 517 will be required to be reconstructed and realigned as part of this project. The engineering package, including: drawings, quantities, project specifications, etc. are attached as Section J., Attachment #3.

C-5. AGAR 452.211-73 ATTACHMENTS TO STATEMENT OF WORK/SPECIFICATIONS (FEB 1988)

The attachments to the Statement of Work/Specifications listed in Section J are hereby made part of this solicitation and any resultant contract.

C-6. AGAR 452.236-78 FOREST SERVICE STANDARD SPECIFICATIONS FOR CONSTRUCTION OF ROADS AND BRIDGES (NOV 1996)

The Forest Service Standard Specifications for Construction of Roads and Bridges, revised 1996 are included by reference. The requirements contained in these specifications are hereby made a part of this solicitation and any resultant contract.

C-7. Any reference in this solicitation to: engineer, forest engineer, project engineer, forest service personnel or employees, government personnel or employees, Forest Service, or contracting officer's representative shall be replaced with contracting officer.

SECTION D - PACKAGING AND MARKING

THERE ARE NO CLAUSES INCLUDED IN THIS SECTION

SECTION E - INSPECTION AND ACCEPTANCE

E.1 52.252-2 CLAUSES INCORPORATED BY REFERENCE (FEB 1998)

This contract incorporates one or more clauses by reference, with the same force and effect as if they were given in full text. Upon request, the Contracting Officer will make their full text available. Also, the full text of a clause may be accessed electronically at this/these address(es):

(FAR) www.arnet.gov/far/

(AGAR) www.usda.gov/da/procure/agar.htm

I. FEDERAL ACQUISITION REGULATION (48 CFR CHAPTER 1) CLAUSES

NUMBER	TITLE	DATE
52.246-4	INSPECTION OF SERVICES - FIXED-PRICE	AUG 1996
52.246-12	INSPECTION OF CONSTRUCTION	AUG 1996

SECTION F - DELIVERIES OR PERFORMANCE

F.1 52.252-2 CLAUSES INCORPORATED BY REFERENCE (FEB 1998)

I. FEDERAL ACQUISITION REGULATION (48 CFR CHAPTER 1) CLAUSES

NUMBER	TITLE	DATE
52.211-18	VARIATION IN ESTIMATED QUANTITY	APR 1984
52.242-14	SUSPENSION OF WORK	APR 1984
52.242-15	STOP-WORK ORDER	AUG 1989
52.242-17	GOVERNMENT DELAY OF WORK	APR 1984

F.2 52.211-10 COMMENCEMENT, PROSECUTION, AND COMPLETION OF WORK (APR 1984)

The Contractor shall be required to (a) commence work under this contract within 0 calendar days after the date the Contractor receives the notice to proceed, (b) prosecute the work diligently, and (c) complete the entire work ready for use not later than 5 years. The time stated for completion shall include final cleanup of the premises.

SECTION G - CONTRACT ADMINISTRATION DATA

THERE ARE NO CLAUSES INCLUDED IN THIS SECTION

SECTION H - SPECIAL CONTRACT REQUIREMENTS

H.1 AGAR 452.215-73 POST AWARD CONFERENCE (NOV 1996)

A post award conference with the successful offeror is required. It will be scheduled within 10 days after the date of contract award. The conference will be held at:

to be set after award

H.2 AGAR 452.236-72 USE OF PREMISES (NOV 1996)

- (a) Before any camp, quarry, borrow pit, storage, detour, or bypass site, other than shown on the drawings, is opened or operated on USDA land or lands administered by the USDA, the Contractor shall obtain written permission from the Contracting Officer. A camp is interpreted to include a campsite or trailer parking area of any employee working on the project for the Contractor.
- (b) Unless excepted elsewhere in the contract, the Contractor shall (i) provide and maintain sanitation facilities for the work force at the site and (ii) dispose of solid waste in accordance with applicable Federal, State and local regulations.

H.3 AGAR 452.236-73 ARCHEOLOGICAL OR HISTORIC SITES (FEB 1988)

If a previously unidentified archeological or historic site(s) is encountered, the Contractor shall discontinue work in the general area of the site(s) and notify the Contracting Officer immediately.

H.4 AGAR 452.236-74 CONTROL OF EROSION, SEDIMENTATION, AND POLLUTION (NOV 1996)

- (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, bitumens, raw sewage, and other harmful materials shall not be discharged on the ground; into or nearby rivers, streams, or impoundments; or into natural or man-made channels. 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 flowing streams without written approval by the Contracting Officer.

H.5 AGAR 452.236-76 SAMPLES AND CERTIFICATES (FEB 1988)

When required by the specifications or the Contracting Officer, samples, certificates, and test data shall be submitted after award of the contract, prepaid, in time for proper action by the Contracting Officer or his/her designated representative. Certificates and test data shall be submitted in triplicate to show compliance of materials and construction specified in the contract performance requirements.

Samples shall be submitted in duplicate by the Contractor, except as otherwise specified, to show compliance with the contract requirements. Materials or equipment for which samples, certifications or test data are required shall not be used in the work until approved in writing by the Contracting Officer.

PART II - CONTRACT CLAUSES

SECTION I - CONTRACT CLAUSES

I.1 52.252-2 CLAUSES INCORPORATED BY REFERENCE (FEB 1998)

I. FEDERAL ACQUISITION REGULATION (48 CFR CHAPTER 1) CLAUSES

NUMBER	TITLE	DATE
52.202-1	DEFINITIONS Alternate I (MAY 2001)	MAY 2001
52.203-3	GRATUITIES	APR 1984
52.203-5	COVENANT AGAINST CONTINGENT FEES	APR 1984
52.203-6	RESTRICTIONS ON SUBCONTRACTOR SALES TO THE GOVERNMENT	JUL 1995
52.203-7	ANTI-KICKBACK PROCEDURES	JUL 1995
52.203-8	CANCELLATION, RESCISSION, AND RECOVERY OF FUNDS FOR ILLEGAL OR IMPROPER ACTIVITY	JAN 1997
52.203-10	PRICE OR FEE ADJUSTMENT FOR ILLEGAL OR IMPROPER ACTIVITY	JAN 1997
52.203-12	LIMITATION ON PAYMENTS TO INFLUENCE CERTAIN FEDERAL TRANSACTIONS	JUN 1997
52.204-4	PRINTED/COPIED DOUBLE-SIDED ON RECYCLED PAPER	AUG 2000
52.209-6	PROTECTING THE GOVERNMENT'S INTEREST WHEN SUBCONTRACTING WITH CONTRACTORS DEBARRED, SUSPENDED, OR PROPOSED FOR DEBARMENT	JUL 1995
52.215-2	AUDIT AND RECORDS--NEGOTIATION	JUN 1999
52.215-8	ORDER OF PRECEDENCE--UNIFORM CONTRACT FORMAT	OCT 1997
52.219-6	NOTICE OF TOTAL SMALL BUSINESS SET-ASIDE	JUL 1996
52.219-8	UTILIZATION OF SMALL BUSINESS CONCERNS	OCT 2000
52.219-14	LIMITATIONS ON SUBCONTRACTING	DEC 1996
52.222-3	CONVICT LABOR	AUG 1996
52.222-4	CONTRACT WORK HOURS AND SAFETY STANDARDS ACT--OVERTIME COMPENSATION	SEP 2000
52.222-6	DAVIS-BACON ACT	FEB 1995
52.222-7	WITHHOLDING OF FUNDS	FEB 1988
52.222-8	PAYROLLS AND BASIC RECORDS	FEB 1988
52.222-9	APPRENTICES AND TRAINEES	FEB 1988
52.222-10	COMPLIANCE WITH COPELAND ACT REQUIREMENTS	FEB 1988
52.222-11	SUBCONTRACTS (LABOR STANDARDS)	FEB 1988
52.222-12	CONTRACT TERMINATION - DEBARMENT	FEB 1988
52.222-13	COMPLIANCE WITH DAVIS-BACON AND RELATED ACT REGULATIONS	FEB 1988
52.222-14	DISPUTES CONCERNING LABOR STANDARDS	FEB 1988
52.222-15	CERTIFICATION OF ELIGIBILITY	FEB 1988
52.222-21	PROHIBITION OF SEGREGATED FACILITIES	FEB 1999
52.222-26	EQUAL OPPORTUNITY	FEB 1999

I.1 (Continued)

NUMBER	TITLE	DATE
52.222-27	AFFIRMATIVE ACTION COMPLIANCE REQUIREMENTS FOR CONSTRUCTION	FEB 1999
52.222-35	AFFIRMATIVE ACTION FOR DISABLED VETERANS AND VETERANS OF THE VIETNAM ERA	APR 1998
52.222-36	AFFIRMATIVE ACTION FOR WORKERS WITH DISABILITIES	JUN 1998
52.222-37	EMPLOYMENT REPORTS ON DISABLED VETERANS AND VETERANS OF THE VIETNAM ERA	JAN 1999
52.222-41	SERVICE CONTRACT ACT OF 1965, AS AMENDED	MAY 1989
52.222-42	STATEMENT OF EQUIVALENT RATES FOR FEDERAL HIRES	MAY 1989
52.222-44	FAIR LABOR STANDARDS ACT AND SERVICE CONTRACT ACT--PRICE ADJUSTMENT	MAY 1989
52.223-6	DRUG-FREE WORKPLACE	MAY 2001
52.223-14	TOXIC CHEMICAL RELEASE REPORTING	OCT 2000
52.225-9	BUY AMERICAN ACT--BALANCE OF PAYMENTS PROGRAM--CONSTRUCTION MATERIALS	FEB 2000
52.225-13	RESTRICTIONS ON CERTAIN FOREIGN PURCHASES	JUL 2000
52.227-1	AUTHORIZATION AND CONSENT	JUL 1995
52.227-2	NOTICE AND ASSISTANCE REGARDING PATENT AND COPYRIGHT INFRINGEMENT	AUG 1996
52.227-4	PATENT INDEMNITY - CONSTRUCTION CONTRACTS	APR 1984
52.229-4	FEDERAL, STATE, AND LOCAL TAXES (NONCOMPETITIVE CONTRACT)	JAN 1991
52.229-5	TAXES - CONTRACTS PERFORMED IN U.S. POSSESSIONS OR PUERTO RICO	APR 1984
52.232-1	PAYMENTS	APR 1984
52.232-5	PAYMENTS UNDER FIXED-PRICE CONSTRUCTION CONTRACTS	MAY 1997
52.232-11	EXTRAS	APR 1984
52.232-17	INTEREST	JUN 1996
52.232-23	ASSIGNMENT OF CLAIMS	JAN 1986
52.232-25	PROMPT PAYMENT	MAY 2001
52.232-27	PROMPT PAYMENT FOR CONSTRUCTION CONTRACTS	MAY 2001
52.232-34	PAYMENT BY ELECTRONIC FUNDS TRANSFER--OTHER THAN CENTRAL CONTRACTOR REGISTRATION	MAY 1999
52.233-1	DISPUTES	DEC 1998
52.233-3	PROTEST AFTER AWARD	AUG 1996
52.236-2	DIFFERING SITE CONDITIONS	APR 1984
52.236-3	SITE INVESTIGATION AND CONDITIONS AFFECTING THE WORK	APR 1984
52.236-5	MATERIAL AND WORKMANSHIP	APR 1984
52.236-6	SUPERINTENDENCE BY THE CONTRACTOR	APR 1984
52.236-7	PERMITS AND RESPONSIBILITIES	NOV 1991
52.236-8	OTHER CONTRACTS	APR 1984

I.1 (Continued)

NUMBER	TITLE	DATE
52.236-9	PROTECTION OF EXISTING VEGETATION, STRUCTURES, EQUIPMENT, UTILITIES, AND IMPROVEMENTS	APR 1984
52.236-10	OPERATIONS AND STORAGE AREAS	APR 1984
52.236-11	USE AND POSSESSION PRIOR TO COMPLETION	APR 1984
52.236-12	CLEANING UP	APR 1984
52.236-13	ACCIDENT PREVENTION	NOV 1991
52.236-15	SCHEDULES FOR CONSTRUCTION CONTRACTS	APR 1984
52.236-21	SPECIFICATIONS AND DRAWINGS FOR CONSTRUCTION Alternate I (APR 1984)	FEB 1997
52.236-26	PRECONSTRUCTION CONFERENCE	FEB 1995
52.242-13	BANKRUPTCY	JUL 1995
52.243-1	CHANGES - FIXED-PRICE Alternate I (APR 1984)	AUG 1987
52.243-4	CHANGES	AUG 1987
52.244-6	SUBCONTRACTS FOR COMMERCIAL ITEMS	MAY 2001
52.246-21	WARRANTY OF CONSTRUCTION	MAR 1994
52.248-3	VALUE ENGINEERING - CONSTRUCTION Alternate I (APR 1984)	FEB 2000
52.249-2	TERMINATION FOR CONVENIENCE OF THE GOVERNMENT (FIXED-PRICE) Alternate I (SEP 1996)	SEP 1996
52.249-8	DEFAULT (FIXED-PRICE SUPPLY AND SERVICE)	APR 1984
52.249-10	DEFAULT (FIXED-PRICE CONSTRUCTION)	APR 1984
52.252-6	AUTHORIZED DEVIATIONS IN CLAUSES	APR 1984
52.253-1	COMPUTER GENERATED FORMS	JAN 1991

I.2 52.219-14 LIMITATIONS ON SUBCONTRACTING (DEC 1996)

(a) This clause does not apply to the unrestricted portion of a partial set-aside.

(b) By submission of an offer and execution of a contract, the Offeror/Contractor agrees that in performance of the contract in the case of a contract for--

- (1) *Services (except construction)*. At least 50 percent of the cost of contract performance incurred for personnel shall be expended for employees of the concern.
- (2) *Supplies (other than procurement from a nonmanufacturer of such supplies)*. The concern shall perform work for at least 50 percent of the cost of manufacturing the supplies, not including the cost of materials.
- (3) *General construction*. The concern will perform at least 15 percent of the cost of the contract, not including the cost of materials, with its own employees.
- (4) *Construction by special trade contractors*. The concern will perform at least 25 percent of the cost of the contract, not including the cost of materials, with its own employees.

I.3 52.246-20 WARRANTY OF SERVICES (MAY 2001)

- (a) Definition. "Acceptance," as used in this clause, means the act of an authorized representative of the Government by which the Government assumes for itself, or as an agent of another, ownership of existing and identified supplies, or approves specific services, as partial or complete performance of the contract.
- (b) Notwithstanding inspection and acceptance by the Government or any provision concerning the conclusiveness thereof, the Contractor warrants that all services performed under this contract will, at the time of acceptance, be free from defects in workmanship and conform to the requirements of this contract. The Contracting Officer shall give written notice of any defect or nonconformance to the Contractor 10. This notice shall state either--
- (1) That the Contractor shall correct or reperform any defective or nonconforming services; or
 - (2) That the Government does not require correction or reperformance.
- (c) If the Contractor is required to correct or reperform, it shall be at no cost to the Government, and any services corrected or reperformed by the Contractor shall be subject to this clause to the same extent as work initially performed. If the Contractor fails or refuses to correct or reperform, the Contracting Officer may, by contract or otherwise, correct or replace with similar services and charge to the Contractor the cost occasioned to the Government thereby, or make an equitable adjustment in the contract price.
- (d) If the Government does not require correction or reperformance, the Contracting Officer shall make an equitable adjustment in the contract price.

PART III - LIST OF DOCUMENTS, EXHIBITS AND OTHER ATTACHMENTS

SECTION J - LIST OF ATTACHMENTS

J.1 LIST OF ATTACHMENTS

ATTACHMENT NO.	TITLE
1	Detailed Unit Information Sheet
2	Maps: Vicinity, Project and Logging Plan (Separate Documents)
3	Road Package - Reconstruction, Realignment Maintenance and Minor Improvements to Forest Service Roads (Separate Document)
4	Disposition of Forest Biomass
5	Emergency Control Fire Plan
6	Seed Suppliers
7	DOL Wage Determinations, Service and Construction
8	Inventory & Cruise Summary Data (Separate Document)

PART IV - REPRESENTATIONS AND INSTRUCTIONS

SECTION K - REPRESENTATIONS, CERTIFICATIONS, AND OTHER STATEMENTS OF OFFERORS

K.1 52.203-2 CERTIFICATE OF INDEPENDENT PRICE DETERMINATION (APR 1985)

(a) The offeror certifies that--

- (1) The prices in this offer have been arrived at independently, without, for the purpose of restricting competition, any consultation, communication, or agreement with any other offeror or competitor relating to (i) those prices, (ii) the intention to submit an offer, or (iii) the methods or factors used to calculate the prices offered;
- (2) The prices in this offer have not been and will not be knowingly disclosed by the offeror, directly or indirectly, to any other offeror or competitor before bid opening (in the case of a sealed bid solicitation) or contract award (in the case of a negotiated solicitation) unless otherwise required by law; and
- (3) No attempt has been made or will be made by the offeror to induce any other concern to submit or not to submit an offer for the purpose of restricting competition.

(b) Each signature on the offer is considered to be a certification by the signatory that the signatory--

- (1) Is the person in the offeror's organization responsible for determining the prices being offered in this bid or proposal, and that the signatory has not participated and will not participate in any action contrary to subparagraphs (a)(1) through (a)(3) of this provision; or
- (2) (i) Has been authorized, in writing, to act as agent for the following principals in certifying that those principals have not participated, and will not participate in any action contrary to subparagraphs (a)(1) through (a)(3) of this provision

[Insert full name of person(s) in the offeror's organization responsible for determining the prices offered in this bid or proposal, and the title of his or her position in the offeror's organization];

- (ii) As an authorized agent, does certify that the principals named in subdivision (b)(2)(i) of this provision have not participated, and will not participate, in any action contrary to subparagraphs (a)(1) through (a)(3) of this provision; and
 - (iii) As an agent, has not personally participated, and will not participate, in any action contrary to subparagraphs (a)(1) through (a)(3) of this provision.
- (c) If the offeror deletes or modifies subparagraph (a)(2) of this provision, the offeror must furnish with its offer a signed statement setting forth in detail the circumstances of the disclosure.

K.2 52.203-11 CERTIFICATION AND DISCLOSURE REGARDING PAYMENTS TO INFLUENCE CERTAIN FEDERAL TRANSACTIONS (APR 1991)

(a) The definitions and prohibitions contained in the clause, at FAR 52.203-12, Limitation on Payments to Influence Certain Federal Transactions, included in this solicitation, are hereby incorporated by reference in paragraph (b) of this certification.

(b) The offeror, by signing its offer, hereby certifies to the best of his or her knowledge and belief that on or after December 23, 1989--

- (1) No Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress on his or her behalf in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment or modification of any Federal contract, grant, loan, or cooperative agreement;
- (2) If any funds other than Federal appropriated funds (including profit or fee received under a covered Federal transaction) have been paid, or will be paid, to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress on his or her behalf in connection with this solicitation, the offeror shall complete and submit, with its offer, OMB standard form LLL, Disclosure of Lobbying Activities, to the Contracting Officer; and
- (3) He or she will include the language of this certification in all subcontract awards at any tier and require that all recipients of subcontract awards in excess of \$100,000 shall certify and disclose accordingly.

(c) Submission of this certification and disclosure is a prerequisite for making or entering into this contract imposed by section 1352, title 31, United States Code. Any person who makes an expenditure prohibited under this provision or who fails to file or amend the disclosure form to be filed or amended by this provision, shall be subject to a civil penalty of not less than \$10,000, and not more than \$100,000, for each such failure.

K.3 52.204-3 TAXPAYER IDENTIFICATION (OCT 1998)

(a) Definitions.

"Common parent," as used in this provision, means that corporate entity that owns or controls an affiliated group of corporations that files its Federal income tax returns on a consolidated basis, and of which the offeror is a member.

"Taxpayer Identification Number (TIN)," as used in this provision, means the number required by the Internal Revenue Service (IRS) to be used by the offeror in reporting income tax and other returns. The TIN may be either a Social Security Number or an Employer Identification Number.

K.3 (Continued)

(b) All offerors must submit the information required in paragraphs (d) through (f) of this provision to comply with debt collection requirements of 31 U.S.C. 7701(c) and 3325(d), reporting requirements of 26 U.S.C. 6041, 6041A, and 6050M, and implementing regulations issued by the IRS. If the resulting contract is subject to the payment reporting requirements described in Federal Acquisition Regulation (FAR) 4.904, the failure or refusal by the offeror to furnish the information may result in a 31 percent reduction of payments otherwise due under the contract.

(c) The TIN may be used by the Government to collect and report any delinquent amounts arising out of the offeror's relationship with the Government (31 U.S.C. 7701(c)(3)). If the resulting contract is subject to the payment reporting requirements described in FAR 4.904, the TIN provided hereunder may be matched with IRS records to verify the accuracy of the offeror's TIN.

(d) Taxpayer Identification Number (TIN).

☐ TIN:_____.

☐ TIN has been applied for.

☐ TIN is not required because:

☐ Offeror is a nonresident alien, foreign corporation, or foreign partnership that does not have income effectively connected with the conduct of a trade or business in the United States and does not have an office or place of business or a fiscal paying agent in the United States;

☐ Offeror is an agency or instrumentality of a foreign government;

☐ Offeror is an agency or instrumentality of the Federal Government.

(e) Type of organization.

☐ Sole proprietorship;

☐ Partnership;

☐ Corporate entity (not tax-exempt);

☐ Corporate entity (tax-exempt);

☐ Government entity (Federal, State, or local);

☐ Foreign government;

☐ International organization per 26 CFR 1.6049-4;

☐ Other_____.

(f) Common parent.

☐ Offeror is not owned or controlled by a common parent as defined in paragraph (a) of this provision.

☐ Name and TIN of common parent:

Name _____

TIN _____

K.4 52.209-5 CERTIFICATION REGARDING DEBARMENT, SUSPENSION, PROPOSED DEBARMENT, AND OTHER RESPONSIBILITY MATTERS (JAN 2001) [This date stayed indefinitely. Please use the provision date below.]
52.209-5 CERTIFICATION REGARDING DEBARMENT, SUSPENSION PROPOSED DEBARMENT, AND OTHER RESPONSIBILITY MATTERS (APR 2001)

(a) (1) The Offeror certifies, to the best of its knowledge and belief, that--

(i) The Offeror and/or any of its Principals--

- (A) **Are [] are not []** presently debarred, suspended, proposed for debarment, or declared ineligible for the award of contracts by any Federal agency;
- (B) **Have [] have not []**, within a three-year period preceding this offer, been convicted of or had a civil judgment rendered against them for: commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, state, or local) contract or subcontract; violation of Federal or state antitrust statutes relating to the submission of offers; or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, tax evasion, or receiving stolen property; [This language stayed indefinitely. Please use paragraph (a)(1)(i)(D) below.]
- (C) **Are [] are not []** presently indicted for, or otherwise criminally or civilly charged by a governmental entity with, commission of any of the offenses enumerated in paragraph (a)(1)(i)(B) of this provision; and [This language stayed indefinitely. Please use paragraph (a)(1)(i)(E) below.]
- (D) **Have [] Have not []**, within a three-year period preceding this offer, been convicted of or had a civil judgment rendered against them for: commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, state, or local) contract or subcontract; violation of Federal or state antitrust statutes relating to the submission of offers; or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, tax evasion, or receiving stolen property; and
- (E) **Are [] are not []** presently indicted for, or otherwise criminally or civilly charged by a governmental entity with, commission of any of the offenses enumerated in subdivision (a)(1)(i)(D) of this provision.
- (ii)(A) [This paragraph (a)(1)(ii) is stayed indefinitely.] The Offeror, aside from the offenses enumerated in paragraphs (a)(1)(i)(A), (B), and (C) of this provision, **has [] has not []** within the past three years, relative to tax, labor and employment, environmental, antitrust, or consumer protection laws--
- (1) Been convicted of a Federal or State felony (or has any Federal or State felony indictments currently pending against them); or
 - (2) Had a Federal court judgment in a civil case brought by the United States rendered against them; or
 - (3) Had an adverse decision by a Federal administrative law judge, board, or commission indicating a willful violation of law.
- (B) If the offeror has responded affirmatively, the offeror shall provide additional information if requested by the Contracting Officer; and
- (iii) The Offeror has [] has not [], within a three-year period preceding this offer, had one or more contracts terminated for default by any Federal agency.

- (2) "Principals," for the purposes of this certification, means officers; directors; owners; partners; and, persons having primary management or supervisory responsibilities within a business entity (e.g., general manager; plant manager; head of a subsidiary, division, or business segment, and similar positions).

THIS CERTIFICATION CONCERNS A MATTER WITHIN THE JURISDICTION OF AN AGENCY OF THE UNITED STATES AND THE MAKING OF A FALSE, FICTITIOUS, OR FRAUDULENT CERTIFICATION MAY RENDER THE MAKER SUBJECT TO PROSECUTION UNDER SECTION 1001, TITLE 18, UNITED STATES CODE.

(b) The Offeror shall provide immediate written notice to the Contracting Officer if, at any time prior to contract award, the Offeror learns that its certification was erroneous when submitted or has become erroneous by reason of changed circumstances.

(c) A certification that any of the items in paragraph (a) of this provision exists will not necessarily result in withholding of an award under this solicitation. However, the certification will be considered in connection with a determination of the Offeror's responsibility. Failure of the Offeror to furnish a certification or provide such additional information as requested by the Contracting Officer may render the Offeror nonresponsible.

(d) Nothing contained in the foregoing shall be construed to require establishment of a system of records in order to render, in good faith, the certification required by paragraph (a) of this provision. The knowledge and information of an Offeror is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.

(e) The certification in paragraph (a) of this provision is a material representation of fact upon which reliance was placed when making award. If it is later determined that the Offeror knowingly rendered an erroneous certification, in addition to other remedies available to the Government, the Contracting Officer may terminate the contract resulting from this solicitation for default.

**K.5 52.219-1 SMALL BUSINESS PROGRAM REPRESENTATIONS (MAY 2001)
Alternate I (OCT 2000)**

(a) (1) The North American Industry Classification System (NAICS) code for this acquisition is 115310.

(2) The small business size standard is no more than \$5.0 MILLION average annual receipts for an offeror's preceeding 3 FYs.

(3) The small business size standard for a concern which submits an offer in its own name, other than on a construction or service contract, but which proposes to furnish a product which it did not itself manufacture, is 500 employees.

(b) Representations.

(1) The offeror represents as part of its offer that it ☐ is, ☐ is not a small business concern.

(2) [Complete only if the offeror represented itself as a small business concern in paragraph (b)(1) of this provision.] The offeror represents, RFP CAZ-01-43 for general statistical purposes, **that it [] is, [] is not**, a small disadvantaged business concern as defined in 13 CFR 124.1002.

(3) [Complete only if the offeror represented itself as a small business concern in paragraph (b)(1) of this provision.] The offeror represents as part of its offer that **it [] is, [] is not** a women-owned small business concern.

(4) [Complete only if the offeror represented itself as a small business concern in paragraph (b)(1) of this provision.] The offeror represents as part of its offer that **it [] is, [] is not** a veteran-owned small business concern.

(5) [Complete only if the offeror represented itself as a veteran-owned small business concern in paragraph (b)(4) of this provision.] The offeror represents as part of its offer that **it [] is, [] is not** a service-disabled veteran-owned small business concern.

(6) [Complete only if offeror represented itself as a small business concern in paragraph (b)(1) of this provision.] The offeror represents, as part of its offer, that--

(i) **It [] is, [] is not** a HUBZone small business concern listed, on the date of this representation, on the List of Qualified HUBZone Small Business Concerns maintained by the Small Business Administration, and no material change in ownership and control, principal office of ownership, or HUBZone employee percentage has occurred since it was certified by the Small Business Administration in accordance with 13 CFR Part 126; and

(ii) **It [] is, [] is not** a joint venture that complies with the requirements of 13 CFR Part 126, and the representation in paragraph (b)(6)(i) of this provision is accurate for the HUBZone small business concern or concerns that are participating in the joint venture.

[The offeror shall enter the name or names of the HUBZone small business concern or concerns that are participating in the joint venture:

_____.]

Each HUBZone small business concern participating in the joint venture shall submit a separate signed copy of the HUBZone representation.

(c) Definitions. As used in this provision--

"Service-disabled veteran-owned small business concern"--

(1) Means a small business concern--

(i) Not less than 51 percent of which is owned by one or more service-disabled veterans or, in the case of any publicly owned business, not less than 51 percent of the stock of which is owned by one or more service-disabled veterans; and

(ii) The management and daily business operations of which are controlled by one or more service-disabled veterans or, in the case of a veteran with permanent and severe disability, the spouse or permanent caregiver of such veteran.

(2) "Service-disabled veteran" means a veteran, as defined in 38 U.S.C. 101(2), with a disability that is service-connected, as defined in 38 U.S.C. 101(16).

"Small business concern" means a concern, including its affiliates, that is independently owned and operated, not dominant in the field of operation in which it is bidding on Government contracts, and qualified as a small business under the criteria in 13 CFR part 121 and the size standard in paragraph (a) of this provision.

"Veteran-owned small business concern" means a small business concern--

- (1) Not less than 51 percent of which is owned by one or more veterans (as defined at 38 U.S.C. 101(2)) or, in the case of any publicly owned business, not less than 51 percent of the stock of which is owned by one or more veterans; and
- (2) The management and daily business operations of which are controlled by one or more veterans.

"Women-owned small business concern," means a small business concern--

- (1) That is at least 51 percent owned by one or more women; or, in the case of any publicly owned business, at least 51 percent of the stock of which is owned by one or more women; and
- (2) Whose management and daily business operations are controlled by one or more women.

(d) Notice.

- (1) If this solicitation is for supplies and has been set aside, in whole or in part, for small business concerns, then the clause in this solicitation providing notice of the set-aside contains restrictions on the source of the end items to be furnished.
- (2) Under 15 U.S.C. 645(d), any person who misrepresents a firm's status as a small, HUBZone small, small disadvantaged or women-owned small business concern in order to obtain a contract to be awarded under the preference programs established pursuant to section 8(a), 8(d), 9, or 15 of the Small Business Act or any other provision of Federal law that specifically references section 8(d) for a definition of program eligibility, shall--

- (i) Be punished by imposition of fine, imprisonment, or both;
- (ii) Be subject to administrative remedies, including suspension and debarment; and
- (iii) Be ineligible for participation in programs conducted under the authority of the Act.

K.6 52.222-22 PREVIOUS CONTRACTS AND COMPLIANCE REPORTS (FEB 1999)

The offeror represents that--

- (a) It ☐ has, ☐ has not participated in a previous contract or subcontract subject to the Equal Opportunity clause of this solicitation;
- (b) It ☐ has, ☐ has not filed all required compliance reports; and
- (c) Representations indicating submission of required compliance reports, signed by proposed subcontractors, will be obtained before subcontract awards.

K.7 52.236-28 PREPARATION OF PROPOSALS - CONSTRUCTION (OCT 1997)

(a) Proposals must be (1) submitted on the forms furnished by the Government or on copies of those forms, and (2) manually signed. The person signing a proposal must initial each erasure or change appearing on any proposal form.

(b) The proposal form may require offerors to submit proposed prices for one or more items on various bases, including--

- (1) Lump sum price;
- (2) Alternate prices;
- (3) Units of construction; or
- (4) Any combination of paragraphs (b)(1) through (b)(3) of this provision.

(c) If the solicitation requires submission of a proposal on all items, failure to do so may result in the proposal being rejected without further consideration. If a proposal on all items is not required, offerors should insert the words "no proposal" in the space provided for any item on which no price is submitted.

(d) Alternate proposals will not be considered unless this solicitation authorizes their submission.

K.8 AGAR 452.222-70 COMPLIANCE WITH VETERANS EMPLOYMENT REPORTING REQUIREMENTS (JAN 1999) (DEVIATION) (USDA)

(a) The Offeror represents that, if it is subject to the reporting requirements of 38 U.S.C. 4212 (d) (i.e., the VETS-100 report required by FAR clause 52.222-37, Employment Reports on Disabled Veterans and Veterans of the Vietnam Era), it **has ☐**, **has not ☐**, submitted the most recent report required by 38 U.S.C. 4212(d).

(b) An offeror who checks "has not" may not be awarded a contract until the required report is filed.

SECTION L - INSTRUCTIONS, CONDITIONS, AND
NOTICES TO OFFERORS

L.1 52.252-1 SOLICITATION PROVISIONS INCORPORATED BY REFERENCE (FEB 1998)

This solicitation incorporates one or more solicitation provisions by reference, with the same force and effect as if they were given in full text. Upon request, the Contracting Officer will make their full text available. The offeror is cautioned that the listed provisions may include blocks that must be completed by the offeror and submitted with its quotation or offer. In lieu of submitting the full text of those provisions, the offeror may identify the provision by paragraph identifier and provide the appropriate information with its quotation or offer. Also, the full text of a solicitation provision may be accessed electronically at this/these address(es):

(FAR) www.arnet.gov/far/

(AGAR) www.usda.gov/da/procure/agar.htm

I. FEDERAL ACQUISITION REGULATION (48 CFR CHAPTER 1) PROVISIONS

NUMBER	TITLE	DATE
52.204-6	DATA UNIVERSAL NUMBERING SYSTEM (DUNS) NUMBER	JUN 1999
52.214-34	SUBMISSION OF OFFERS IN THE ENGLISH LANGUAGE	APR 1991
52.214-35	SUBMISSION OF OFFERS IN U.S. CURRENCY	APR 1991

L.2 52.215-1 INSTRUCTIONS TO OFFERORS--COMPETITIVE ACQUISITION (MAY 2001)

(a) Definitions. As used in this provision--

"Discussions" are negotiations that occur after establishment of the competitive range that may, at the Contracting Officer's discretion, result in the offeror being allowed to revise its proposal.

"In writing," "writing," or "written" means any worded or numbered expression that can be read, reproduced, and later communicated, and includes electronically transmitted and stored information.

"Proposal modification" is a change made to a proposal before the solicitation's closing date and time, or made in response to an amendment, or made to correct a mistake at any time before award.

"Proposal revision" is a change to a proposal made after the solicitation closing date, at the request of or as allowed by a Contracting Officer as the result of negotiations.

"Time", if stated as a number of days, is calculated using calendar days, unless otherwise specified, and will include Saturdays, Sundays, and legal holidays. However, if the last day falls on a Saturday, Sunday, or legal holiday, then the period shall include the next working day.

(b) Amendments to solicitations. If this solicitation is amended, all terms and conditions that are not amended remain unchanged. Offerors shall acknowledge receipt of any amendment to this solicitation by the date and time specified in the amendment(s).

(c) Submission, modification, revision, and withdrawal of proposals.

L.2 (Continued)

- (1) Unless other methods (e.g., electronic commerce or facsimile) are permitted in the solicitation, proposals and modifications to proposals shall be submitted in paper media in sealed envelopes or packages (i) addressed to the office specified in the solicitation, and (ii) showing the time and date specified for receipt, the solicitation number, and the name and address of the offeror. Offerors using commercial carriers should ensure that the proposal is marked on the outermost wrapper with the information in paragraphs (c)(1)(i) and (c)(1)(ii) of this provision.
- (2) The first page of the proposal must show--
 - (i) The solicitation number;
 - (ii) The name, address, and telephone and facsimile numbers of the offeror (and electronic address if available);
 - (iii) A statement specifying the extent of agreement with all terms, conditions, and provisions included in the solicitation and agreement to furnish any or all items upon which prices are offered at the price set opposite each item;
 - (iv) Names, titles, and telephone and facsimile numbers (and electronic addresses if available) of persons authorized to negotiate on the offeror's behalf with the Government in connection with this solicitation; and
 - (v) Name, title, and signature of person authorized to sign the proposal. Proposals signed by an agent shall be accompanied by evidence of that agent's authority, unless that evidence has been previously furnished to the issuing office.
- (3) Submission, modification, revision, and withdrawal of proposals.
 - (i) Offerors are responsible for submitting proposals, and any modifications or revisions, so as to reach the Government office designated in the solicitation by the time specified in the solicitation. If no time is specified in the solicitation, the time for receipt is 4:30 p.m., local time, for the designated Government office on the date that proposal or revision is due.
 - (ii) (A) Any proposal, modification, or revision received at the Government office designated in the solicitation after the exact time specified for receipt of offers is "late" and will not be considered unless it is received before award is made, the Contracting Officer determines that accepting the late offer would not unduly delay the acquisition; and--
 - (1) If it was transmitted through an electronic commerce method authorized by the solicitation, it was received at the initial point of entry to the Government specified for receipt of proposals; or

L.2 (Continued)

- (2) There is acceptable evidence to establish that it was received at the Government installation designated for receipt of offers and was under the Government's control prior to the time set for receipt of offers; or
 - (3) It is the only proposal received.
- (B) However, a late modification of an otherwise successful proposal that makes its terms more favorable to the Government, will be considered at any time it is received and may be accepted.
- (iii) Acceptable evidence to establish the time of receipt at the Government installation includes the time/date stamp of that installation on the proposal wrapper, other documentary evidence of receipt maintained by the installation, or oral testimony or statements of Government personnel.
 - (iv) If an emergency or unanticipated event interrupts normal Government processes so that proposals cannot be received at the office designated for receipt of proposals by the exact time specified in the solicitation, and urgent Government requirements preclude amendment of the solicitation, the time specified for receipt of proposals will be deemed to be extended to the same time of day specified in the solicitation on the first work day on which normal Government processes resume.
 - (v) Proposals may be withdrawn by written notice received at any time before award. Oral proposals in response to oral solicitations may be withdrawn orally. If the solicitation authorizes facsimile proposals, proposals may be withdrawn via facsimile received at any time before award, subject to the conditions specified in the provision at 52.215-5, Facsimile Proposals. Proposals may be withdrawn in person by an offeror or an authorized representative, if the identity of the person requesting withdrawal is established and the person signs a receipt for the proposal before award.
- (4) Unless otherwise specified in the solicitation, the offeror may propose to provide any item or combination of items.
 - (5) Offerors shall submit proposals in response to this solicitation in English, unless otherwise permitted by the solicitation, and in U.S. dollars, unless the provision at FAR 52.225-17, Evaluation of Foreign Currency Offers, is included in the solicitation.
 - (6) Offerors may submit modifications to their proposals at any time before the solicitation closing date and time, and may submit modifications in response to an amendment, or to correct a mistake at any time before award.
 - (7) Offerors may submit revised proposals only if requested or allowed by the Contracting Officer.
 - (8) Proposals may be withdrawn at any time before award. Withdrawals are effective upon receipt of notice by the Contracting Officer.

L.2 (Continued)

(d) Offer expiration date. Proposals in response to this solicitation will be valid for the number of days specified on the solicitation cover sheet (unless a different period is proposed by the offeror).

(e) Restriction on disclosure and use of data. Offerors that include in their proposals data that they do not want disclosed to the public for any purpose, or used by the Government except for evaluation purposes, shall--

- (1) Mark the title page with the following legend:

This proposal includes data that shall not be disclosed outside the Government and shall not be duplicated, used, or disclosed--in whole or in part--for any purpose other than to evaluate this proposal. If, however, a contract is awarded to this offeror as a result of--or in connection with--the submission of this data, the Government shall have the right to duplicate, use, or disclose the data to the extent provided in the resulting contract. This restriction does not limit the Government's right to use information contained in this data if it is obtained from another source without restriction. The data subject to this restriction are contained in sheets [insert numbers or other identification of sheets]; and

- (2) Mark each sheet of data it wishes to restrict with the following legend:

Use or disclosure of data contained on this sheet is subject to the restriction on the title page of this proposal.

(f) Contract award.

- (1) The Government intends to award a contract or contracts resulting from this solicitation to the responsible offeror(s) whose proposal(s) represents the best value after evaluation in accordance with the factors and subfactors in the solicitation.
- (2) The Government may reject any or all proposals if such action is in the Government's interest.
- (3) The Government may waive informalities and minor irregularities in proposals received.
- (4) The Government intends to evaluate proposals and award a contract without discussions with offerors (except clarifications as described in FAR 15.306(a)). Therefore, the offeror's initial proposal should contain the offeror's best terms from a cost or price and technical standpoint. The Government reserves the right to conduct discussions if the Contracting Officer later determines them to be necessary. If the Contracting Officer determines that the number of proposals that would otherwise be in the competitive range exceeds the number at which an efficient competition can be conducted, the Contracting Officer may limit the number of proposals in the competitive range to the greatest number that will permit an efficient competition among the most highly rated proposals.
- (5) The Government reserves the right to make an award on any item for a quantity less than the quantity offered, at the unit cost or prices offered, unless the offeror specifies otherwise in the proposal.

L.2 (Continued)

- (6) The Government reserves the right to make multiple awards if, after considering the additional administrative costs, it is in the Government's best interest to do so.
- (7) Exchanges with offerors after receipt of a proposal do not constitute a rejection or counteroffer by the Government.
- (8) The Government may determine that a proposal is unacceptable if the prices proposed are materially unbalanced between line items or subline items. Unbalanced pricing exists when, despite an acceptable total evaluated price, the price of one or more contract line items is significantly overstated or understated as indicated by the application of cost or price analysis techniques. A proposal may be rejected if the Contracting Officer determines that the lack of balance poses an unacceptable risk to the Government.
- (9) If a cost realism analysis is performed, cost realism may be considered by the source selection authority in evaluating performance or schedule risk.
- (10) A written award or acceptance of proposal mailed or otherwise furnished to the successful offeror within the time specified in the proposal shall result in a binding contract without further action by either party.
- (11) The Government may disclose the following information in postaward debriefings to other offerors:
 - (i) The overall evaluated cost or price and technical rating of the successful offeror;
 - (ii) The overall ranking of all offerors, when any ranking was developed by the agency during source selection;
 - (iii) A summary of the rationale for award; and
 - (iv) For acquisitions of commercial items, the make and model of the item to be delivered by the successful offeror.

L.3 52.216-1 TYPE OF CONTRACT (APR 1984)

The Government contemplates award of a firm-fixed price contract resulting from this solicitation.

L.4 52.222-23 NOTICE OF REQUIREMENT FOR AFFIRMATIVE ACTION TO ENSURE EQUAL EMPLOYMENT OPPORTUNITY FOR CONSTRUCTION (FEB 1999)

(a) The offeror's attention is called to the Equal Opportunity clause and the Affirmative Action Compliance Requirements for Construction clause of this solicitation.

(b) The goals for minority and female participation, expressed in percentage terms for the Contractor's aggregate workforce in each trade on all construction work in the covered area, are as follows:

Trade	Minority Participation	Female Participation
All Trades	6.9	6.

L.4 (Continued)

These goals are applicable to all the Contractor's construction work performed in the covered area. If the Contractor performs construction work in a geographical area located outside of the covered area, the Contractor shall apply the goals established for the geographical area where the work is actually performed. Goals are published

periodically in the Federal Register in notice form, and these notices may be obtained from any Office of Federal Contract Compliance Programs office.

(c) The Contractor's compliance with Executive Order 11246, as amended, and the regulations in 41 CFR 60-4 shall be based on (1) its implementation of the Equal Opportunity clause, (2) specific affirmative action obligations required by the clause entitled "Affirmative Action Compliance Requirements for Construction," and (3) its efforts to meet the goals. The hours of minority and female employment and training must be substantially uniform throughout the length of the contract, and in each trade. The Contractor shall make a good faith effort to employ minorities and women evenly on each of its projects. The transfer of minority or female employees or trainees from Contractor to Contractor, or from project to project, for the sole purpose of meeting the Contractor's goals shall be a violation of the contract, Executive Order 11246, as amended, and the regulations in 41 CFR 60-4. Compliance with the goals will be measured against the total work hours performed.

(d) The Contractor shall provide written notification to the Deputy Assistant Secretary for Federal Contract Compliance, U.S. Department of Labor, within 10 working days following award of any construction subcontract in excess of \$10,000 at any tier for construction work under the contract resulting from this solicitation. The notification shall list the --

- (1) Name, address, and telephone number of the subcontractor;
- (2) Employer's identification number of the subcontractor;
- (3) Estimated dollar amount of the subcontract;
- (4) Estimated starting and completion dates of the subcontract; and
- (5) Geographical area in which the subcontract is to be performed.

(e) As used in this Notice, and in any contract resulting from this solicitation, the "covered area" is: Ft. Collins, Larimer County, Colorado.

L.5 52.225-10 NOTICE OF BUY AMERICAN ACT/BALANCE OF PAYMENTS PROGRAM REQUIREMENT-CONSTRUCTION MATERIAL (FEB 2000)

(a) Definitions. "Construction material, domestic construction material, and foreign construction material", as used in this provision, are defined in the clause of this solicitation entitled "Buy American Act--Balance of Payments Program--Construction Materials" (Federal Acquisition Regulation (FAR) clause 52.225-9).

(b) Requests for determinations of inapplicability. An offeror requesting a determination regarding the inapplicability of the Buy American Act or Balance of Payments Program should submit the request to the Contracting Officer in time to allow a determination before submission of offers. The offeror shall include

L.5 (Continued)

the information and applicable supporting data required by paragraphs (c) and (d) of the clause at FAR 52.225-9 in the request. If an offeror has not requested a determination regarding the inapplicability of the Buy American Act or Balance of Payments Program before submitting its offer, or has not received a response to a previous request, the offeror shall include the information and supporting data in the offer.

(c) Evaluation of offers.

- (1) The Government will evaluate an offer requesting exception to the requirements of the Buy American Act or Balance of Payments Program, based on claimed unreasonable cost of domestic construction material, by adding to the offered price the appropriate percentage of the cost of such foreign construction material, as specified in paragraph (b) (3) (i) of the clause at FAR 52.225-9.
- (2) If evaluation results in a tie between an offeror that requested the substitution of foreign construction material based on unreasonable cost and an offeror that did not request an exception, the Contracting Officer will award to the offeror that did not request an exception based on unreasonable cost.

(d) Alternate offers.

- (1) When an offer includes foreign construction material not listed by the Government in this solicitation in paragraph (b) (2) of the clause at FAR 52.225-9, the offeror also may submit an alternate offer based on use of equivalent domestic construction material.
- (2) If an alternate offer is submitted, the offeror shall submit a separate Standard Form 1442 for the alternate offer, and a separate price comparison table prepared in accordance with paragraphs (c) and (d) of the clause at FAR 52.225-9 for the offer that is based on the use of any foreign construction material for which the Government has not yet determined an exception applies.
- (3) If the Government determines that a particular exception requested in accordance with paragraph (c) of the clause at FAR 52.225-9 does not apply, the Government will evaluate only those offers based on use of the equivalent domestic construction material, and the offeror shall be required to furnish such domestic construction material. An offer based on use of the foreign construction material for which an exception was requested--
 - (i) Will be rejected as nonresponsive if this acquisition is conducted by sealed bidding; or
 - (ii) May be accepted if revised during negotiations.

L.6 52.232-28 INVITATION TO PROPOSE PERFORMANCE-BASED PAYMENTS (MAR 2000)
Alternate I (MAR 2000)

(a) The Government invites the offeror to propose terms under which the Government will make performance-based contract financing payments during contract performance. The Government will consider performance-based payment financing terms proposed by the offeror in the evaluation of the offeror's

L.6 (Continued)

proposal. The Contracting Officer will incorporate the financing terms of the successful offeror and the FAR clause, Performance-Based Payments, at FAR 52.232-32, in any resulting contract.

(b) In the event of any conflict between the terms proposed by the offeror and the terms in the clause at FAR 52.232-32, Performance-Based Payments, the terms of the clause at FAR 52.232-32 shall govern.

(c) The Contracting Officer will not accept the offeror's proposed performance-based payment financing if the financing does not conform to the following limitations:

- (1) The Government will make delivery payments only for supplies delivered and accepted, or services rendered and accepted in accordance with the payment terms of this contract.
- (2) The terms and conditions of the performance-based payments must--
 - (i) Comply with FAR 32.1004;
 - (ii) Be reasonable and consistent with all other technical and cost information included in the offeror's proposal; and
 - (iii) Their total shall not exceed 90 percent of the contract price if on a whole contract basis, or 90 percent of the delivery item price if on a delivery item basis.
- (3) The terms and conditions of the performance-based financing must be in the best interests of the Government.

(d) The offeror's proposal of performance-based payment financing shall include the following:

- (1) The proposed contractual language describing the performance-based payments (see FAR 32.1004 for appropriate criteria for establishing performance bases and performance-based finance payment amounts).
- (2) A listing of--
 - (i) The projected performance-based payment dates and the projected payment amounts; and
 - (ii) The projected delivery date and the projected payment amount.
- (3) Information addressing the Contractor's investment in the contract.

(e) Evaluation of the offeror's proposed prices and financing terms will include whether the offeror's proposed performance-based payment events and payment amounts are reasonable and consistent with all other terms and conditions of the offeror's proposal.

(f) The Government will adjust each proposed price to reflect the cost of providing the proposed performance-based payments to determine the total cost to the Government of that particular combination of price and performance-based financing. The Government will make the adjustment using the procedure described in FAR 32.205(c).

L.7 52.233-2 SERVICE OF PROTEST (AUG 1996)

(a) Protests, as defined in Section 33.101 of the Federal Acquisition Regulation, that are filed directly with an agency, and copies of any protests that are filed with the General Accounting Office (GAO), shall be served on the Contracting Officer (addressed as follows) by obtaining written and dated acknowledgment of receipt from:

Byron Brown
USDA FOREST SERVICE
ATTN: CONTRACTING
240 WEST PROSPECT ROAD
FORT COLLINS, CO 80526

(b) The copy of any protest shall be received in the office designated above within one day of filing a protest with the GAO.

L.8 AGAR 452.204-70 INQUIRIES (FEB 1988)

Inquiries and all correspondence concerning this solicitation should be submitted in writing to the Contracting Officer. Offerors should contact only the Contracting Officer issuing the solicitation about any aspect of this requirement prior to contract award.

L.9 AGAR 452.215-71 INSTRUCTIONS FOR THE PREPARATION OF TECHNICAL AND BUSINESS PROPOSALS (SEP 1999)

I. General Instructions. Proposals submitted in response to this solicitation shall be furnished in the following format with the numbers of copies as specified below.

- A. The Government will evaluate proposals in accordance with the evaluation criteria set forth in Section M of this RFP.
- B. Offerors shall submit their proposal(s) in the following format and the quantities specified:
 - 1. One copy of the completed, signed offer (Sections A through K of the solicitation package, Sections C through J are included by reference)
 - 2. One copy of the response to the technical evaluation criteria as discussed in Section M of the solicitation.
- C. Offerors may, at their discretion, submit alternate proposals or proposals which deviate from the requirement; provided, that an offeror also submit a proposal for performance of the work as specified in the statement of work. Any "alternate" proposal may be considered if overall performance would be improved or not compromised, and if it is in the best interest of the Government. Alternate proposals, or deviations from any requirement of this RFP, must be clearly identified.

II. Technical Proposal Instructions.

- A. The proposal must clearly provide the information required by Section M.
- B. The offer, including the technical response and Sections A through K and attachments, shall enable the Government to realize the accomplishment of the Summary of Work.

III. Price Proposal Instructions.**A. Complete the schedule of items in section B of the solicitation.****L.10 AGAR 452.215-72 AMENDMENTS TO PROPOSALS (FEB 1988)**

Any changes to a proposal made by the offeror after its initial submittal shall be accomplished by replacement pages. Changes from the original page shall be indicated on the outside margin by vertical lines adjacent to the change. The offeror shall include the date of the amendment on the lower right corner of the changed pages.

**L.11 AGAR 452.219-70 SIZE STANDARD AND NAICS CODE INFORMATION (NOV 1996)
(AGAR DEVIATION)**

The North American Industrial Classification System (NAIC) Code(s) and business size standard(s) describing the products and/or services to be acquired under this solicitation are listed below:

Contract line item(s):	all items
-- NAICS Code	115310
-- Size Standard	no more than \$05.0 MILLION average annual receipts for an offeror's preceeding 3 FYs.

L.12 AGAR 452.237-71 PRE-BID/PRE-PROPOSAL CONFERENCE (FEB 1988)

(a) The Government is planning a pre-bid/pre-proposal conference, during which potential offerors may obtain a better understanding of the work required.

(b) Offerors are encouraged to submit all questions in writing at least five (5) days prior to the conference. Questions will be considered at any time prior to or during the conference; however, offerors will be asked to confirm verbal questions in writing. Subsequent to the conference, an amendment to the solicitation containing an abstract of the questions and answers, and a list of attendees, will be disseminated.

(c) In order to facilitate conference preparations, it is requested that the person named on the Standard Form 1442 of this solicitation be contacted and advised of the number of persons who will attend.

(d) The Government assumes no responsibility for any expense incurred by an offeror prior to contract award.

(e) Offerors are cautioned that, notwithstanding any remarks or clarifications given at the conference, all terms and conditions of the solicitation remain unchanged unless they are changed by amendment to the solicitation. If the answers to conference questions, or any solicitation amendment, create ambiguities, it is the responsibility of the offeror to seek clarification prior to submitting an offer.

(f) The conference will be held **Tuesday, August 7, 2001, 9:30 am at:**

**Canyon Lakes Ranger District
1311 South College
Fort Collins, CO 80524**

Offerors need to confirm attendance with the Contracting Officer at (970)498-2508 prior to the meeting.

SECTION M - EVALUATION FACTORS FOR AWARD**M.1 EVALUATION AND AWARD FACTORS**

Proposals shall be submitted in accordance with the requirements as stated below and in accordance with Clause L-2, Instructions to Offerors--Competitive Acquisition. Proposal evaluation is an assessment of the proposal and the Offeror's ability to perform the prospective contract successfully. All proposals submitted will be evaluated based solely on the factors and subfactors as stated below. It is the intent of the Government to make award without discussions (See Clause L-2). Submit a clearly written proposal with your best price. The Government may, after evaluation of proposals, conduct oral or written discussions with Offerors as appropriate (See Clause L-2, Section (f)(4)). Award will be made, using a trade-off process, to that Offeror (1) whose proposal is technically acceptable and, (2) whose technical/price relationship offers the best value to the Government. It may be in the best interest of the Government to award to other than the lowest priced Offeror or other than the highest technically rated Offeror.

M-2 EVALUATION FACTORS

Section L-4 provides instructions for the preparation of technical and business proposals. Failure to respond to the evaluation factors will result in non-consideration for award.

Proposals will be evaluated based on price and the following evaluation factors and sub-factors:

1. Technical Approach.

- a. Environmental Impacts of Operations.** Evaluation will be made based on type of equipment, number and size of landings, and whether the contractor can utilize the existing road prisms and minimize the creation of new temporary roads. Proposals that minimize soil impacts and maximize protection of leave trees will receive favorable scores for this subfactor.
- b. Utilization of Material Removed.** Evaluation will be made based on reasonableness, degree, and type of utilization of required for removal and optional removal material. Utilization of material in the "Wood Products Industry" is preferable. "Wood Products Industry" is defined as any use that results in a product having some positive monetary value. Hauling material to a processing facility or other material user is preferable and will result in a higher rating for this subfactor over moving material to a disposal site off National Forest or chipping and lopping and scattering the optional material.

- 2. Capability, Experience, & Past Performance of the Firm.** Evaluation will be made based upon the Offeror's ability to perform the contract successfully. This includes the quality of work and the ability to satisfactorily complete the work. The currency and relevance of the information provided, the source of the information, the context of the information obtained and general trends in the Offeror's performance shall be considered.

In the case of an Offeror without a record of relevant past performance or for whom information on past performance is not available, the offeror may not be evaluated favorably or unfavorably on past performance.

3. **Schedule of Work.** Evaluation will be made based on how well the proposed schedule addresses completion of work in a timely and logical manner. Our objective is to have this project completed by the end of September, 2005. Proposals that reasonably meet or exceed this objective will receive favorable ratings for this subfactor.
4. **Local Rural Community Participation.** Public Law 106-291 provides for enhancement of local and small business employment opportunities in rural communities. This may be accomplished by award to a local entity other than a large business, providing employment and training opportunities to people in rural communities, and/or hiring or training a significant percentage of local people to complete the contract. Local is determined by contract location. For this evaluation factor provide the following information:

Evidence that offeror is a local entity, if applicable.

Planned percentage of contract workforce that will be composed of local rural community residents.

Planned number of employees to be trained for contract performance.

Planned number of employees to be trained that are local rural community residents.

Explanation of how you will accomplish what you have planned.

Any additional plans to enhance local small business opportunities in rural communities.

NOTE: Sub factors 3 shall be included as a part of the awarded contract Sections A through J of this solicitation.

The non-cost evaluation factors are listed in descending order of importance. The sum of the non-cost evaluation factors are approximately equal to price.

Proposal Evaluation:

The technical proposal will be used to make an evaluation and arrive at a determination as to whether the offer understands and will meet the requirements of the Government.

Each price proposal shall be evaluated to determine its reasonableness for the effort proposed and to determine the demonstrated understanding of the level of effort needed to successfully perform the services. The price proposals will be evaluated against the Government Price Estimate, as well as other price proposals received. The Government does not assume any risk for the offerors profit or loss margin from performance under this contract. This evaluation is to determine price reasonableness only.

Results of the price proposal evaluation, along with the results of the technical proposal evaluation will be the basis for the award decisions. Award for options items as listed in the Schedule of Items may be made at initial award or during the life of the contract. All evaluation factors other than price, when combined, are approximately equal to price.

Evaluation Criteria:

EXCEPTIONAL: The proposal complies with all instructions for submission and includes additional information that indicates consistent high quality performance can be expected from the contractor. One or more items of service or evidence of past experience in this criterion exceeds the "good" criteria or minimum requirement.

GOOD: The proposal complies with all instructions for submission and meets all minimum requirements of service under the proposed contract.

MARGINAL: The proposal complies with most instructions for submission and/or fails to meet all minimum requirements of services under the contract so as to appear weak in regards to meeting the stated minimum.

POOR: The proposal does not provide minimum requirements of service and/or fails to comply with instructions regarding submission of the proposal. Proposal is extremely weak in regards to meeting the stated minimum requirements of service so as to have major weakness.

Award

The Government intends to evaluate proposals and award a contract without discussions with offerors. The offeror's initial proposal should contain the offeror's best terms from a cost or price and technical standpoint. Clarifications may occur as described in FAR 15.306(a). Offerors may be given the opportunity to clarify certain aspects of proposals (e.g., the relevance of an offeror's past performance information and adverse past performance information to which the offeror has not previously had an opportunity to respond) or to resolve minor or clerical errors.

The Government reserves the right to establish a competitive range of all of the most highly rated proposals and conduct discussions if the Contracting Officer later determines them to be necessary. If the Contracting Officer determines that the number of proposals that would otherwise be in the competitive range exceeds the number at which an efficient competition can be conducted, the Contracting Officer may limit the number of proposals in the competitive range to the greatest number that will permit an efficient competition among the most highly rated proposals.

All items will be awarded to one offeror. Only one contract will be awarded. As stated above, award will be made, using a trade-off process, to that Offeror (1) whose proposal is technically acceptable and, (2) whose technical/price relationship offers the best value to the Government.

Attachment #1(page 1)

DETAILED INFORMATION SHEET Seven Mile Project Stewardship

The following list of Technical Specifications applies to all units:

C4.1: Temporary Road Management.	C4.2: Thinning -Methods
C4.3: Mountain Pine Beetle Treatments	C4.4: Materials to be Removed from the Site.
C4.5: Mechanical Yarding	C4.6: Slash Treatment- Methods
C4.7: Load Accountability	C4.8: Protection of Natural Resources
C4.9: Restrictions	C4.10: Noxious Weed Prevention
C4.11: Safety	C4.12: Realignment/Reconstruction FSR 517

The following table(s) includes specifications pertinent to individual units.

Item #	Total	Unit Total CCF	Req CCF	Opt Treat	TSI_RF	Whip	Required	Temp
unit	Unit Acres		removed/unit	pool CCF/unit	acres	Felling	ROW	Roads*/
						acres	Piling	Gates
Item 1	ROAD	PACKAGE						
Item 2								
1	8.3	43.52	28.58	14.94	8.3	0.0	1.0	
2	8.5	52.91	39.00	13.91	8.5	0.0	1.0	
3	2.5	33.71	29.21	4.50	0.0	0.0	0.0	1/0
4	14	42.38	30.00	12.38	0.0	0.0	1.0	1/0
5	26.7	75.17	60.10	15.07	26.7	0.0	3.0	1/0
6	19.4	94.97	66.14	28.83	19.4	0.0	2.0	1/0
7	5.5	44.50	32.14	12.36	5.5	0.0	0.0	
8	4.7	31.72	23.26	8.46	4.7	0.0	0.0	
Unit Total	89.6	418.88	308.43	110.45	73.1	0.0	8	
Item 3								
9	2.5	21.52	17.05	4.47	0.0	2.5	0.0	
10	2.4	22.54	18.22	4.32	0.0	2.4	0.0	1/0
11	23.3	88.10	61.00	27.10	0.0	0.0	0.0	
12	3.5	8.92	6.15	2.77	0.0	0.0	0.0	1/0
13	18.2	49.48	25.00	24.48	0.0	0.0	0.0	
14	31.2	66.74	34.00	32.74	0.0	0.0	0.0	
15	14.2	117.54	91.98	25.56	14.2	0.0	1.0	1/0
16	101.8	83.10	51.00	32.10	0.0	0.0	2.0	1/0
17	50.9	68.57	40.00	28.57	0.0	0.0	2.0	
18	65.4	155.20	95.00	60.20	20.0	0.0	0.0	
19	25.7	36.67	21.29	15.38	0.0	0.0	2.0	
20	13.7	51.50	33.00	18.50	0.0	0.0	1.0	
21	14.2	96.71	71.15	25.56	0.0	0.0	0.0	
Unit Total	367	866.59	564.84	301.75	34.2	4.9	8.0	

Item #	Acres	Unit total ccf	Req CCF	Opt Treat	TSI_RF	Whip	Required	Temp
unit			removed/unit	pool CCF/unit		Felling	ROW	Roads*/
							Piling	Gates
Item 4								
25	8.9	27.37	20.00	7.37	0.0	0.0	1.0	
26	55.7	192.06	121.00	71.06	0.0	0.0	1.0	0/1
27	11.5	61.25	38.00	23.25	11.5	0.0	0.0	
28	34.6	68.39	41.00	27.39	34.6	0.0	0.0	
29	19.4	19.99	11.00	8.99	0.0	0.0	0.0	
30	49.9	90.16	50.00	40.16	0.0	0.0	0.0	1/0
Unit Total	206.1	459.22	281.00	178.22	46.1	0.0	2.0	
Item 5								
22	16.2	243.32	214.16	29.16	0.0	16.2	0.	1/0
23	49.9	162.18	110.00	52.18	0.0	16.0	0.	
24	31.7	212.08	155.02	57.06	0.0	0	1.0	1/0
31	26.1	103.40	69.00	34.40	26.0	0	1.0	
Unit Total	123.9	720.98	548.18	172.80	26.0	32.2	2.0	
Item 6								
32	8.3	64.82	49.88	14.94	7	0	0	
33	34.2	348.90	256.67	61.56	0	0	0	1/0
34	47.1	380.56	295.78	84.78	36	0	0	1/0
35	24.3	261.79	218.05	43.74	20	0	0	
36	20.2	331.73	295.37	36.36	18	0	0	
37	23.2	106.93	70.00	36.93	19	0	0	0/1
38	20.5	201.11	164.21	36.90	19	0	0	
39	10.5	111.83	92.93	18.90	0	0	10	
Unit Total	188.3	1807.67	1442.89	334.11	119	0	10	
Total	974.9	4273.3	3145.3	1097.3	298.4	37	28.0	

Possible temporary road locations are shown on the project map. Contractor is not required to construct those roads in those locations. Contractor may suggest other facilities for Forest Service approval or other methods to move to haul or landing such as forwarders.

Unit	Silva	Mark	Paint Color	Treatment	Lop/	Chip	Pile	Rough Pile	Hand Pile
	RX			Options:	Scatter				
				RX Burn					
1	SHP	ITM	GREEN		X	X	X		required
2	SHS	ITM	GREEN		X	X	X		required
3	SPC	ITM	GREEN		X	X	X		
4	SHR/SHS	ITM	GREEN		X	X	X		required
5	SHR	ITM	GREEN		X	X	X		required
6	SHR	LTM	BLUE		X	X	X		required
7	SAL	ITM	GREEN		X	X	X		
8	SHR	ITM	GREEN		X	X	X		
9	CCR	AREA	BLUE		X		X	required	required
10	CCR	AREA	BLUE		X			required	
11	SHR	ITM	GREEN		X	X	X		
12	SHR	ITM	GREEN		X	X	X		
13	CT	ITM	GREEN/RED	X	X	X	X		
14	CT	ITM	GREEN/RED	X	X	X	X		
15	CT	ITM	GREEN/RED		X	X	X		required
16	CT	ITM	GREEN/RED	X	X	X	X		required
17	CT	ITM	GREEN/RED	X	X	X	X		required
18	CT	ITM	GREEN/RED	X	X	X	X		
19	CT	ITM	GREEN/RED	X	X	X	X		required
20	CT	ITM	GREEN/RED		X	X	X		
21	CT	ITM	GREEN/RED		X	X	X		
22	CCR	AREA	BLUE		X			required	
23	GS	ITM	GREEN/RED		X	X	X		
24	CT	ITM	GREEN/RED		X	X	X		required
25	CT	ITM	GREEN/RED		X	X	X		required
26	CT	ITM	GREEN/RED	X	X	X	X		
27	CT	ITM	GREEN/RED		X	X	X		
28	CT	ITM	GREEN/RED		X	X	X		
29	CT	ITM	GREEN/RED	X	X	X	X		
30	CT	ITM	GREEN/RED	X	X	X	X		
31	CT	ITM	GREEN/RED		X	X	X		
32	SHR	ITM	GREEN		X	X	X		required
33	SHP	LTM	BLUE		X	X	X		
34	SHR/SHS	ITM	GREEN		X	X	X		
35	IGPCC	ITM	ORANGE/GREEN		X			required	
36	SHR	ITM	YELLOW		X	X	X		
37	SAL	ITM	RED		X	X	X		
38	IGPCC	ITM	YELLOW		X	X	X		
39	CCR	AREA	BLUE		X			required	

X for prescribed burn for information only. Requires slash away from residual trees.

Attachment #2 Maps: Vicinity Map & Project Map , Logging Plan (Logging Plan and Maps are included as separate documents)

SEVEN MILE SALVAGE SALE LOGGING PLAN

A.1 Maintenance on FSR'S 171.0, 171.A, 517.0, 225.0, 517,509.0 (w. of gate) will be required annually on those roads where hauling has taken place. Maintenance will be at FS maintenance level 3 to assure protection of road surface and proper functioning of drainage structures. If snow removal is attempted, 2 inches of snow will be left on road surface for protection except road FSR 517 where 6 inches (if available) will be left on road to assure winter sports conditions.

Due to seasonal closure to the public, gates on FSR 171.A, 530, and 2W509 must be kept closed from 12-1 to 6-1. Contractors will be issued a key and will be responsible to open and close gates during use. Use of the roads by contractors is allowed providing other restrictions in Section C do not apply.

Road maintenance commensurate with per use will be required on 5W267.1,509.0 (e. of gate), 2W509.0 , 3W509.0, 1W534.0,530.0, 1w171.0, 3w171, 4w171, 5w171, 6w171 and 7w171. Maintenance will be at FS maintenance level 3 to assure protection of road surface and proper functioning of drainage structures. If snow removal is attempted, 2 inches of snow will be left on road surface for protection

A.2 Temporary Roads:

Temporary roads (A-L) locations have been identified for possible use in this sale (shown on project map). Use is not required if skid roads will suffice. Contractor may propose other facilities or modifications for government approval. These roads will be decommissioned after use according to the specifications in section C.

Temporary Road "A"

Unit 3

Length - 0.1 miles

Location: From intersection with FDR # 517.0 to the N center of Unit 3 of the sale.

Existing road. Template is almost suitable for haul now without any additional work.

Needs drainage and closure following use. No additional clearing needed.

Temporary Road "B"

Unit 10

Length - 0.25 miles

Location: From intersection with FDR # 534.0 to the N center of Unit 10 of the sale.

Existing road. Template is almost suitable for haul now without any additional work.

Needs drainage and closure following use. No additional clearing needed.

Temporary Road "C"

Unit 15

Length 0.4 miles

Location: From intersection with CR 162/FDR #530.0 to the SW corner of Unit 15 of the sale. Existing road. Control with existing gate. Template is in place. Assure protection of road surface and proper functioning of drainage structures during and completion of unit.

Additional clearing may be needed to extend road into the unit.

Temporary Road "D"

Unit 33

Length 1.4 miles

Location: Taking off at .4 mile from CR 162 on FSR # 517 to thru the middle of unit 32 of the sale. Rocks to be moved to access existing road. Template is almost suitable for haul now without any additional work. Will need brushing. Needs a gate to control traffic on weekends. Do not set gate with concrete but with rocks and dirt tamped. Remove gate when complete and leave for FS to pickup. Needs drainage and closure following use. No additional clearing needed.

Temporary Road "E"

Unit 16

Length - 0.3 miles

Location: From intersection with CR 162/FDR #171.0b in the SE corner of Unit 16 of the sale. Existing road. Template is almost suitable for haul now without any additional work, although steep and trees need brushing. Needs drainage and closure following use. No additional clearing needed.

Temporary Road "F"

Unit 25,20

Length 0.4 miles

Location: .2 miles from intersection with CR 162/FDR #171.0 to the SE corner of Unit 25 of the sale. Existing road. Ephemeral stream crossing to unit 20. Will need temporary drainage structure or snow bridge for use. Template is almost suitable for haul now without any additional work, although steep and trees need brushing. Needs drainage and closure following use. No additional clearing needed.

Temporary Road "G"

Unit 24, 22

Length 0.3 miles

Location: Approximately .9 mile west on FSR 171.0 from the intersection with CR162. Existing road template is there and could use straightening and trees need brushing. Needs drainage and closure following use. No additional clearing needed.

Temporary Road "H"

Unit 4

Length 0.3 miles

Location: Approximately .2 mile west on FSR 517.0 from the intersection with CR162 and south is an existing road template is there and could to access west side of unit. Barrier needed if access off FSR 162 (south side) is used They will need drainage and/or closure following use.

Temporary Roads Unit "I"

Unit 5

Length 0.3 miles

Location: Approximately .1 mile west on FSR 225.0 from the intersection with CR162. Existing road template is there and could use straightening and trees need brushing. Needs drainage and closure following use. No additional clearing needed.

Temporary Roads Unit "J"

Unit 6

Length 0.3 miles

Location: Approximately .5 mile west on FSR 225.0 from the intersection with CR162. Existing road template is there on both sides of road and could use straightening and trees need brushing. Fence on east side of road should not be breached. Other road templates are possible and can be gated if needed. Needs drainage and closure following use.

Temporary Road Unit "K"

Unit 34

Length 0.3 miles

Location: Approximately 1.5 miles west on FSR 517.0 from the intersection with CR162 at the SE corner of unit. Existing road template is there and could use straightening and trees need brushing. Needs drainage and closure following use.

Temporary Road Unit "L"

Unit 36

Length 0.3 miles

Location: Approximately 1.9 mile west on FSR 517.0 from the intersection with CR162. Existing road template is there and could use straightening and trees need brushing. Needs drainage and closure following use. No additional clearing needed.

B. Erosion Control

The Sale area is on relatively flat ground and no erosion control measures other than water barring skid trails and draining landings is anticipated.

C. Unit Logging Plan:

In general there are numerous existing skid trails in the units. Some are well regenerated and it is preferred not to use them and skidding should be limited to within the unit. In the other cases the regen is not as heavily stocked in the old skid trails and they can be utilized. Any skid trail access off of main roads will need to be blocked following use to prevent ATV access.

The Reconnaissance Cards contain additional information concerning the implementation and should be consulted prior to logging. Regeneration in all units should be protected within reason. NO indiscriminate skidding. Regeneration in the adjacent plantations

needs to be protected also. Landings should be incorporated within the unit marking prescriptions. Limit landing size if needed to protect regen. Would rather not have regen sacrificed for landings.

Unit 1 -Material will be skidded to a landings along the south end of the unit. Access to landing location is through existin gate under the powerline. Alternative is to have a landing in the center of the unit to take care of the north half of the unit. The fence will have to be cut with a temporary bracing and a gate installed. It is preferable that this option not be used. No additional clearing should be necessary for landings or skid trails. Protect survey monument and fenceline.

Unit 2 -Material will be skidded to a landing location outside the unit adjacent to CR162. Purchaser needs to give 2 weeks notice prior to operations so temporary closure on camping can be instituted during the summer. Twelve designated dispersed sites are within the unit and are protected improvements. FSR 5w267.1 provides access to private land and must remain open at all times. On the west end a skid trail has been marked down to the powerline clearing. Rocks will need to be moved from the powerline and the logs can be decked near the rock outcrop.

Unit 3 -Material will be skidded from unit 3 to a landing location inside unit. Small exisiting stump road (TEMP A) comes off FSR 517 into unit. Close temp road following use. Upper and lower ends of units can be moist, there is a need to watch ground conditions. No additonal clearing needed, landing will be inside unit.

Unit 4 -Deck material from the east end on the closed spur off of CR 162 at the SE corner of the unit. Scarify and rehabilitate after use. All other material should be skidded to landing locations on the existing temp on the west end of the unit (TEMP H). Close the temp following use. Protect survey monument in SE corner. Protect regeneration. No additional clearing should be necessary for landings or skid trails. Skid trails and landings provided for in existing clearings and marking. Close

Unit 5 -Material will be skidded to the existing temp road (TEMP I) through the center of the unit. Close following use. Do not allow skidding or decking along CR162. Protect the regen during skidding. No additional clearing needed. Skid Trails and landing provided for in existing clearings and markings.

Unit 6 -Material will be skidded to a landings along existing roads (TEMP I) on the west side of the unit. For the east side open existing temp and deck along it and south of the fenceline. Protect the fence. Do not alow it to be breached unless absolutely necessary (with locked gate). Close all temps following use. No additonal clearing necessary. Skid trails and landings provided for in existing clearings and marking.

Unit 7 -Material will be skidded (extended skid) to an existing landing in a CC at the SW corner of Unit 8 along FDR 225. No additonal volume for landing or skid trails expected. Use existing skid trails where possible.

Unit 8 -Material will be skidded from Unit 7 to a landing location on FDR 171. Can also use existing two tracker to use for a landing location in the interior of the unit. Protect Limber pine leave trees. No additional clearing needed for landing existing.

Unit 9 --Material will be skidded to a landings along existing roads on the west side of the unit. For the east side open existing temp and deck along it and south of the fenceline. Protect the fence. Do not allow it to be breached unless absolutely necessary (with locked gate). Close all temps following use. No additional clearing necessary. Skid trails and landings provided for in existing clearings and marking.

Unit 10 -Skid material to a landing in existing clearcut. Temp F accesses the unit from FDR 509. Close the temp following use just past the existing designated dispersed site near its junction with FDR 509. No additional clearing should be necessary for landings or skid trails.

Unit 11- Material will be skidded to a landing along FDR 509 on the southeast border of the unit or in the powerline clearing.. No additional clearing should be necessary for landings or skid trails. Protect regeneration in unit ,however this does not refer to submerchantable lodgepole pole timber that was not marked next to merchantable lodgepole pole timber. Protect special use trail.

Unit 12 -Access from FDR 509. Deck along existing road. Obliterate road at the center of this unit to prevent access to meadows. No additional clearing should be necessary for landings or skid trails.

Unit 13 -Material will be skidded to a landing along FDR 509 along the north border of the unit. Road closure will take place on the west portion of this unit for FDR 509. ; Protect powerline on east boundary. Some skidding could take place under the powerline along the east boundary including an uphill skid of about 10% to a landing shared with unit 11. No additional clearing should be necessary for landings or skid trails. Protect aspen and ponderosa regeneration in unit, Some lodgepole sawtimber is marked in the midst of aspen poletimber. Those aspen poles can be sacrificed since the prescription for the regeneration of the aspen patches calls for the felling of those residual trees.

Unit 14 -Material will be skidded to a landing along FDR 509 on the southeast border of the unit or in the powerline clearing. Road closure will take place west of this unit for FDR 509 postsale. No additional clearing should be necessary for landings or skid trails. Protect regeneration in unit ,however this does not refer to submerchantable lodgepole pole timber that was not marked next to merchantable lodgepole pole timber.

Unit 15 - Hand pile along FDR 162 for 50'. Uphill skidding will be needed. No additional clearing should be necessary for skid trails. Designate skid trails to access road to land behind gate on road 530 north of the unit. Protect regeneration west of unit.

Unit 16 -No additional clearing should be necessary for landings or skid trails. Look for the existing trails to use. Protect regeneration in unit. BEFORE RECONSTRUCTION

OF FDR 162 landings were to be along 162. If ditches have been deepened a culvert may be necessary for trucks to pull off 162 to access these landings. In addition there are old landing locations along FDR 171 on the south side of unit and the possibility to share a landing with unit 21 and 9. Protect established horseback trail (Manhattan Creek outfitters permit) in unit and do not allow slash scattered in the trail. Reopen existing road prism along western boundary of the unit and use as skid road down to common landing in unit 9. Close after use.

Unit 17 -Material will be skidded to a landings along 1w534 and 4w534. Some landings may be located at previous landing areas (Shriner et al) along CR 16.

Unit 18 -Material will be skidded to a landings along 1w534 and 4w534. A large percentage of the volume will need to be skidded uphill No additional clearing should be necessary for landings or skid trails outside the unit. Submerchantable material may need to be cut to allow sufficient operation and skidtrail construction, probably in the NW corner of the stand. Can use old powerline clearing landings and skidtrails, but be aware that the lines are fairly short so if a harvester is used, sufficient distance from the lines will be required for safe operation. If skidding is necessary through the regen use old skid trails and approve location in advance. Protect Elkhorn streamcourse along north boundary. DO NOT allow cross country travel to the north to units 13- across the Elkhorn. Use a shared landing with unit 17 along the southwest edge of the unit. Road 1w534 will be gated at a point before it travels downhill. There is an adverse haul out of the north slope of the unit with some short pitches of 10-15%.

Unit 19 -Material will be skidded to points along Cty Rd 162 and FDR 171. Old ways closed by rocks coming off Cty Rd 162 and FDR 171 can be utilized as skidtrails and landings. No additional clearing should be necessary for landings or skid trails outside the unit. Protect regeneration in unit. If skidding is necessary through the regen use old skid trails and approve location in advance. Protect established horseback trail (Manhattan Creek outfitters permit) in unit and do not allow slash scattered in the trail. Protect old dancehall site located in southern most section of unit, trees should be marked blue.

Unit 20 - On the eastern half of the unit the material will be skidded to a landings at the intersection of FDR 171 and Cty Rd 162 across FDR 171 from the unit. Skid western half of unit into unit 21. Locate skid trails on old skid roads and along the top of the ridge. No additional clearing should be necessary for landings or skid trails. Protect streamcourses along north and southeast boundaries. Watch for isolated wet areas along SE edge. Unit boundary was moved to exclude these areas from the unit but during wet season some new areas may pop up. Protect springbox along NE edge. It is outside and uphill from unit so should not be a problem.

Unit 21 -Material will be skidded into unit 9 on the west side of unit. Locate the eastern landing on the NE corner of the unit or logs could be skidded to unit 16 for a shared landing. No additional clearing should be necessary for landings or skid trails. Protect regeneration in unit. Protect streamcourse along south boundary. Watch for isolated wet

areas along north boundary and SE edge. Unit boundary was moved to exclude these areas from the unit but during wet season some new areas may pop up.

Unit 22 -Material in west part of unit will be skidded south thru unit 24 to a landing along FDR 171. Material on east end is skidded south on existing way thru regenerating clearcut and decked in unit 25. Existing ways could make it possible to construct a temp road (A) thru 24 and land all of 24 and 22 in 22. Protect streamcourse to the NW. Some uphill skids will be required as main skid trails will be along ridgeline. Some decadent aspen saplings and poles may need to be cut to allow for operations but these should be nonmerchantable. Surface rock and old blowholes are scattered through unit which the operators will need to be aware of, particularly the deep one surrounded by old rails on the east end.

Unit 23 -Material will be skidded along skid trails to the NW corner of the unit to a landing along 1w171.1. See unit map for location of patches and skid trails. Protect regeneration in unit. The group selection is comprised of 23 patches half to 1 acre in size strung together.

Unit 24 -Material will be skidded to a landing in a meadow located on the south end of the unit (along 171) where an obliterated road once entered the stand. Care needs to be taken so that recreation traffic does not use harvest activities to gain access into this unit so distance between trees and road widths need to remain narrow. Decommission.

Unit 25 -Material will be skidded to a common landing with unit 22 along 11W171.0. Material will be skidded west through the unit. No additional clearing should be necessary for landings or skid trails. Protect regeneration on the northern border of the unit. Some decadent aspen saplings and poles may need to be cut to allow for operations but these should be nonmerchantable. Protect streamcourse along north and south boundaries of the unit. These are ephemeral streamcourses but have aspen stringers in them.

Unit 26 -Material will be skidded to a landing along 1W171.0. Some uphill skidding is necessary. No additional clearing should be necessary for landings or skid trails as there are several within the stand from previous harvest. . Protect streamcourse adjacent to the north side of the unit in the aspens. Watch for isolated wet areas along north boundary. Unit was previously marked. Most blue trees have been painted over in black, those that remain are reserve trees. Some decadent aspen saplings and poles may need to be cut to allow for operations but these should be nonmerchantable. Surface rock and old blowholes are scattered through unit mostly on the steeper slopes of the south facing slope which the operators will need to be aware of. Install gate in unit when 26-30 are completed.

Unit 27 -Material will be skidded to a landing along 1W171.0. Most of the skidding will be uphill but at about 10% or less slopes. Unit is bisected by a powerline. Although spacing between the treewall and the lines seem adequate any machine moving trees should be restricted to not using boom when the machine is sitting in the powerline

corridor. Some decadent aspen saplings and poles may need to be cut to allow for operations but these should be nonmerchantable. Surface rock and old blowholes are scattered through the unit which the operators will need to be aware of.

Unit 28 -Material will be skidded to a landing along 1W171.0 There is some uphill skidding (less than 7%) but the majority is on flat ground. Previously used skid-trails and landings are available near the road. Some decadent aspen saplings and poles may need to be cut to allow for operations but these should be nonmerchantable. Surface rock and old blowholes are scattered through unit which the operators will need to be aware of.

Unit 29 -Material will be skidded to a landings along 1w171.0. There is some uphill skidding up to 10%. No additional clearing should be necessary for landings or skid trails as the area is fairly open. Large portions of the unit are meadow with clumps or stringers of trees so operations will not be particularly efficient here. Protect regeneration in unit as there are some advanced regen in the ponderosa. Surface rock and old blowholes are scattered through unit mostly on the steeper slopes of the south facing slope which the operators will need to be aware of. Take care of BIG ponderosa on east end of unit, cultural resource and monument.

Unit 30 -Material will be skidded to a landings along 1w171.0 however there are two 4 wheel drive road systems that could be utilized if trucks were to turn around below the unit or back down to hotload along those roads. Private land prohibits skidding downhill to these turnarounds except along the established roads. There is some uphill skidding up to 15%. Some additional clearing could be necessary for landings or skid trails as the area is fairly rocky and steep. Protect regeneration in unit as there are some advanced regen in the ponderosa. Surface rock and old blowholes are scattered through unit mostly on the steeper slopes of the south facing slope which the operators will need to be aware of.

Unit 31 -Material will be skidded to a landing associated with unit 24 in a meadow located along 171 where an obliterated road once entered the stand. Care needs to be taken so that recreation traffic does not use harvest activities to gain access into this unit so distance between trees and road widths need to remain narrow. Some decadent aspen saplings and poles may need to be cut to allow for operations but these should be nonmerchantable. Surface rock and old blowholes are scattered through unit which the operators will need to be aware of. Steep slopes south of the residence may require machines to go down through a draw and up onto a bench to turn around for skidding. Closures and barriers needed.

Units 32 thru 39 are closed during the spring breakup period normally between April 15th and May 30th due to damage to the FSR 517. Variations in these dates may occur based on ground conditions described in Section C4.8c., and operators may be granted extra time based on days lost outside these days on a 1 to 1 basis. There is a gate at the bottom of FSR 517 which will be closed by the Forest Service and will remain closed until the Forest Service determines that the road is again open for use.

Unit 32 - Can be skidded to landing locations adjacent to FDR 517. Small existing landings are present. The Bellaire ditch bisects the unit. DO NOT allow skidding across the ditch. Clean slash from ditch. Understory is < 5" dbh so any additional landing or skid trails will not be merchantable material. Protect this understory.

Unit 33- Temp Road D will access this unit. Blend your landing locations in with the marked openings along the temp road. This unit is Leave Tree Marked. All landings Should be handled by the openings. Protect existing advanced regeneration where possible. No additional clearing for skid trails should be necessary as the 20-25 foot leave tree spacing should allow for unrestricted skidding. Install gate on temp road and keep locked during operations. Remove after use and replace rocks.

Unit 34- Deck material from the east end on the closed spur off of CR 162 at the SE corner of the unit. Scarify and obliterate after use. All other material should be skidded to locations on the existing temp on the west end of the unit. Close the temp road following use. Protect survey monument in SE corner. Protect regeneration. No additional clearing needed. Skid trails and landings provided for in existing clearings and marking.

Unit 35- Do not allow decking along the North Bald Jeep Trail. Can deck along the section reconstructed for the North Bald Timber Sale. The rest of the unit should be skidded to landing locations on the reconstructed alignment of FDR 517. Some of the landings can be located in marked openings. It is estimated that there will be 1.1 acres of additional clearing for skid roads and landings. Close all skid trails entering FDR 517 with barriers.

Unit 36- Material should be skidded to landing locations along FDR 517 and Temp Road L. Minimize landing size where possible. It is anticipated that there will be and additional 1.25 acres of clearing within the unit that is not marked that will need to be removed for skid trails and landings.

Unit 37- Material will be skidded to landing locations along Temp Road A. Some of this will be an uphill skid on 20% slope. It is anticipated that there will be an additional clearing of 2.3 acres for skid trails, landings and Temp Road. Obliterate temp road following use.

Unit 38- There are two existing roads (Temp road L and M) that part ways into the unit that can be used as landing locations. Obliterate following use. Most materials should be skidded to landing location along FDR 517. Most landings should be in marked openings. No additional clearing for landings is anticipated. Additional clearing for skid trails is .5 acre.

Unit 39. Skid to landing locations along FDR 517. This is a clearcut with marked reserved trees. Protect the reserved trees. No additional clearing for skid trails or landings is needed.

All landing locations and skid trails are within the unit boundaries or already exist except where noted.

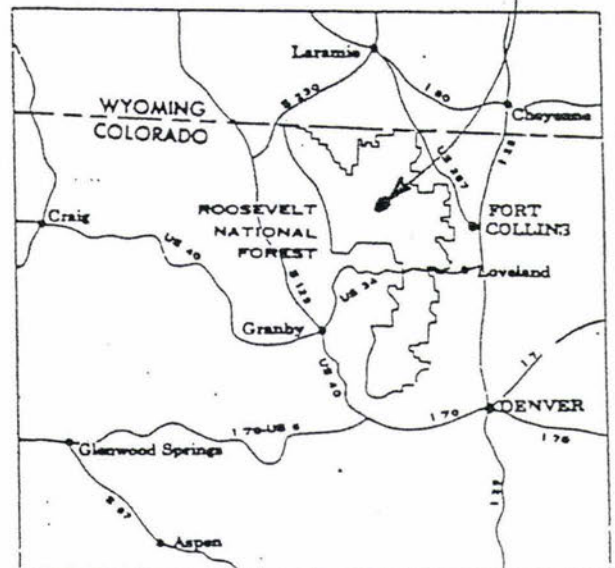
U. S. DEPARTMENT
OF AGRICULTURE
FOREST SERVICE
ROCKY MOUNTAIN
REGION

Larimer County, Colorado
DRAWINGS FOR
ROOSEVELT NATIONAL
FOREST
CANYON LAKES RANGER
DISTRICT

*Spot Reconstruction of
Roads: 517 and 534.*

2.9 Miles Total

Project Location



Prepared by:

R. D. Dentink 7/3/01

Civil Engineering Technician
Date

Reviewed by:

Jinda Ferguson

North Zone Eng. Manager
Date 7/6/01

Reviewed by:

Stephen E. Johnson 7/10/01

District staff
Date

I certify this project is in the
approved program of work,
adequate funding is available
and plans are adequate.

David Ferguson, Acting
ELM Group Leader
Date 7/6/01

I certify these drawings comply
with land and resource
management plans.

Allen Hodge 7/10/01
District Ranger
Date

Index of Drawings

	<u>Page</u>
Location, Title and Signatures	1
Index of Drawings	2
Project Location - See Stewardship map	
Summary of Quantities	3
Special Project Specifications	4
Typical Section	5
Ditchout and Earth Barricade	6
Turnout and Roadside Ditch	7
30 Degree Rolling Dip Typical	8
Road Closure Gate Detail	9 - 10
Work List Roads	11-12

SUMMARY OF QUANTITIES

Forest Development Roads # 517 and 534

<u>ITEM</u>	<u>DESCRIPTION</u>	<u>METHOD OF MEASURE</u>	<u>QUANTITY</u>	<u>TOTAL</u>
-------------	--------------------	--------------------------	-----------------	--------------

249(02)	COMPOSITE ROAD CONSTRUCTION	LUMP SUM	1.0	1.0
	Gate and Sign Panels, Government Furnished , Slash Disposal, Method (H) bury.			

Road 517 = 2.4 miles

Road 534 = 0.5 miles

Road Total = 2.9miles

Items of Work included in Lump Sum above: (See Work List).

1. Mobilization.
2. Clearing and grubbing.
3. Excavation of road prism – short reroutes
4. Rolling Dip Construction
5. Rolling Dip Reconstruction
6. Ditch, roadside and leadoff.
7. Pit run Aggregate placement
8. Gate and signs
9. Commercial source aggregate placement.
10. Earth barricade road closure.
11. Seed disturbed areas with "regreen".

SPECIAL PROJECT SPECIFICATIONS

The **Forest Service Specifications For The Construction Of Roads And Bridges** Revised 1996 are incorporated in this project by reference. Specifications are amended as follows:

Section 104 Maintenance For Traffic

104.01 Roads to be constructed. Construction signing is required for the safety of the contractor personnel and equipment and the general public. Appropriate signs, barricades and or flaggers will be utilized for safety as per MUTCD Standards. This requirement is considered part of the contractor's overhead costs and is not a pay item. Construction signs must be in place before construction begins.

"Road Construction Ahead" signs shall be installed on Forest Road # 517 and # 534.

Section 249 Composite Road Construction

249.01 Work - Add: Place aggregate as staked. Obtain from Commercial Source. Use CDOT Class 6, $\frac{3}{4}$ inch minus crushed aggregate.

249.03 (c) Large Construction Slash.

Use Method (H) **Bury.**

Add:

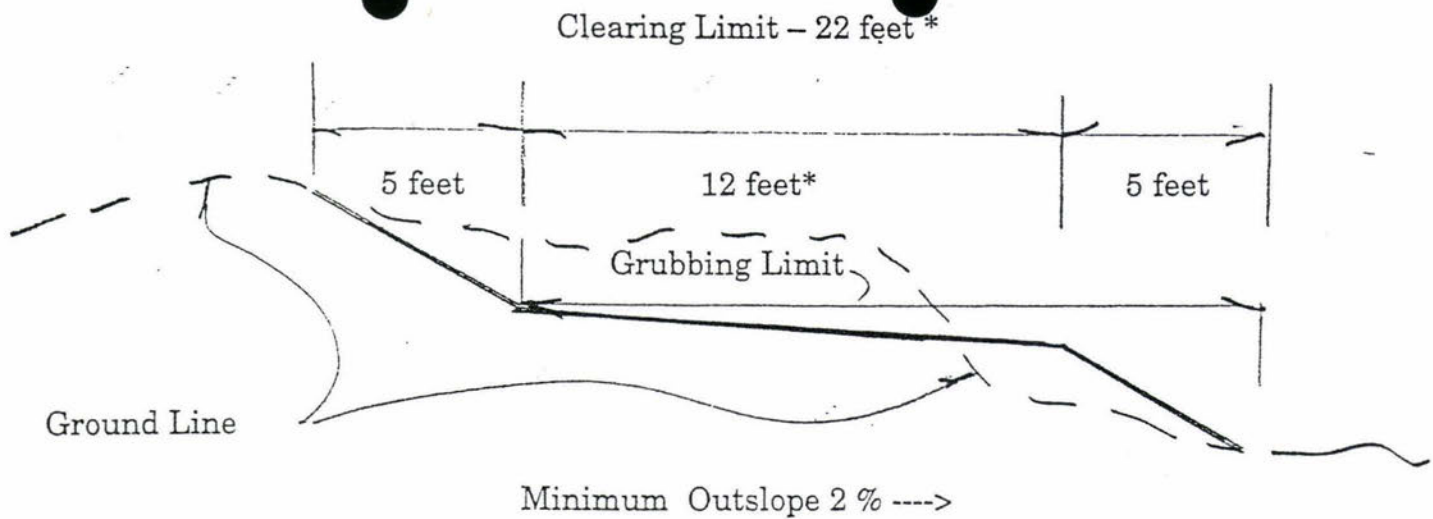
(d) All Timber. All trees removed in the clearing limits during road construction are the property of the Contractor and are to be removed before acceptance of road work.

249.05 Grubbing. See Typical Sections.

249.06. Excavation. See Typical Sections. Add the following: Compaction of embankment is considered adequate when construction equipment has passed over without displacement.

249.07 Erosion Control.

"Regreen" shall be applied to all construction disturbed areas including excavation, borrow areas, and embankment slopes. Apply at 50 pounds per acre rate.



*Width does not include curve widening, ditch width or extra clearing needed for cuts or fills over 2 feet high as staked. Work list specifies segments with other widths such as turnouts...See typical.

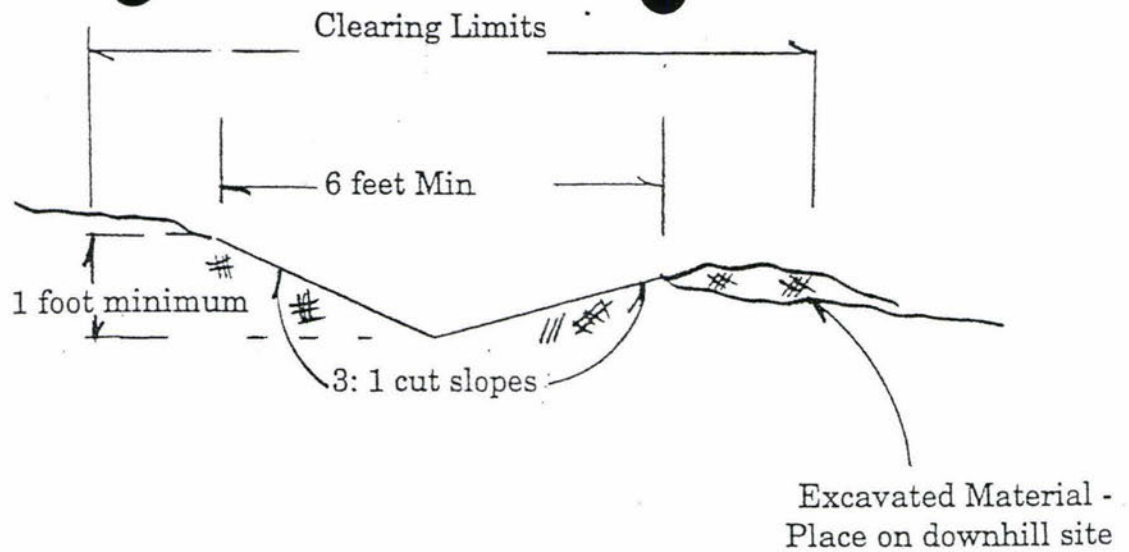
TYPICAL A - No Scale

General Nature of Road:

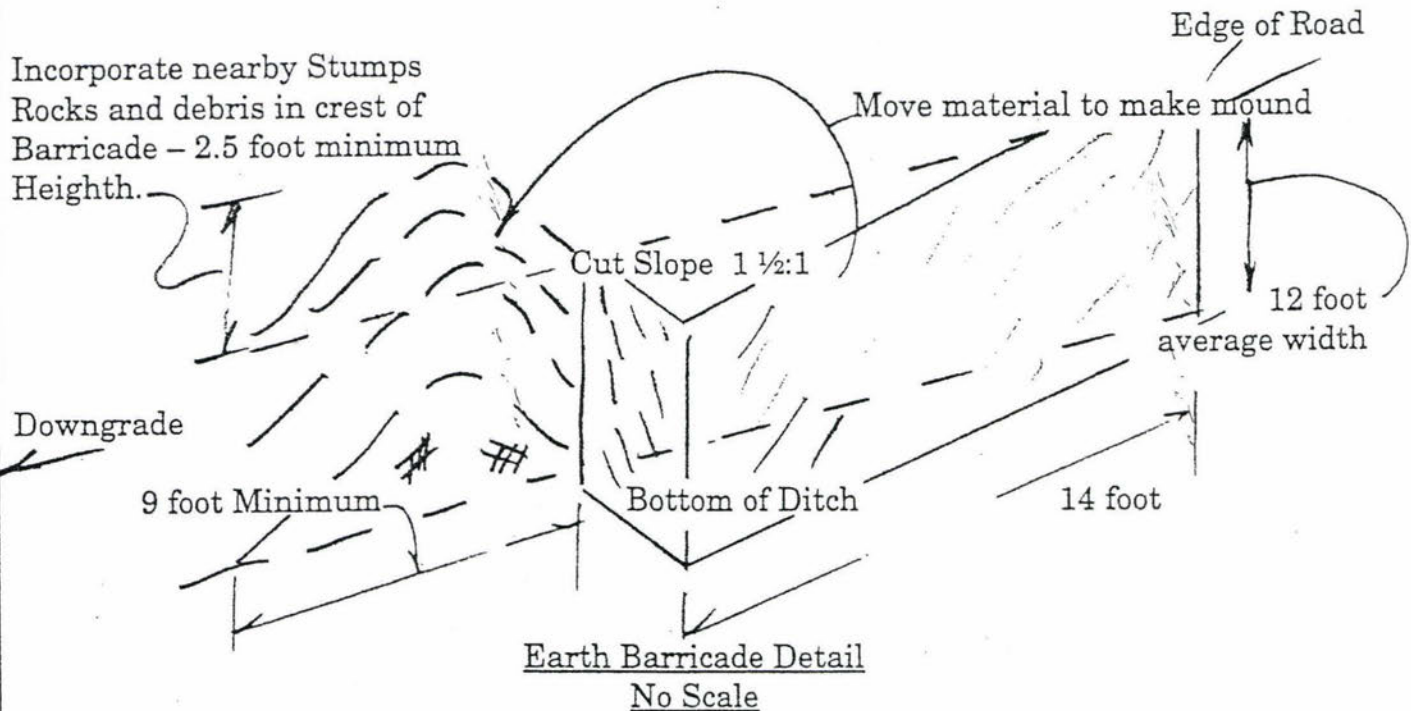
1. Minimum cuts/fills - CONFORM TO TERRAIN.
2. CRAWLER TRACTOR FINISH. Cut and Fill slopes at 1 1/2 to 1 or flatter.
3. OUTSLOPE 2% minimum, 4 % Maximum.
4. Compaction - SIDE CAST AND END DUMP / Operate equipment over.
5. Construction TOLERANCES as follows:
 - Road Width + 2 feet
 - Subgrade Elevation \pm 1 foot
 - Centerline \pm 1 foot
 - Excavation and embankment slopes \pm 5 %.
6. Clearing limits are 22 feet.* Trees to be cleared will be painted
7. Five feet ADDITIONAL CLEARING for disposal of rock will be added as needed and agreed to. Rock shall be placed below road grade outside of the traveled way.
8. Borrow site for embankment is located on the west site of Road 517 near mile post 2.0. Site to be approved by the Forest Service. Area shall be rehabilitated after use. Outslope area to drain, obliterate access routes, seed with "regreen".
9. Berms up to 6 inches may remain at road edge. Provide 3 foot breaks every 100 lineal feet.

TYPICAL ROAD SECTION

Page ____



Ditchout Detail
No Scale



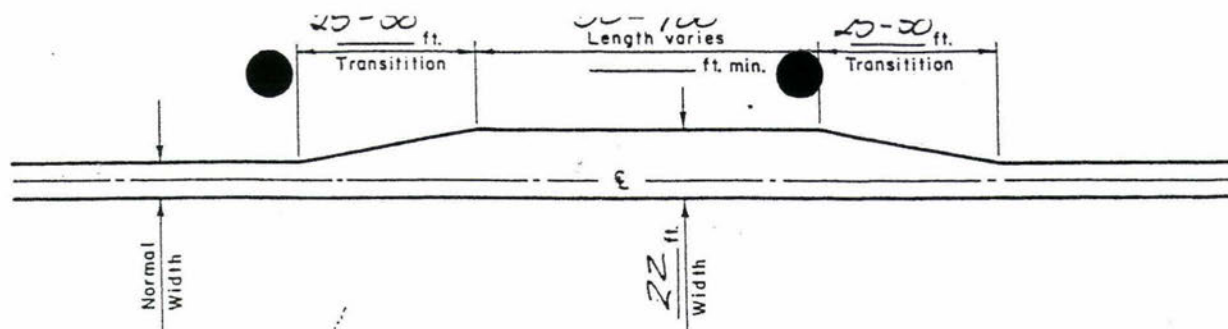
Note: Outslope bottom of ditch to drain. Maximum outslope = 6 %. Shew barricade to drain if necessary.

DITCHOUT AND
EARTH BARRICADE

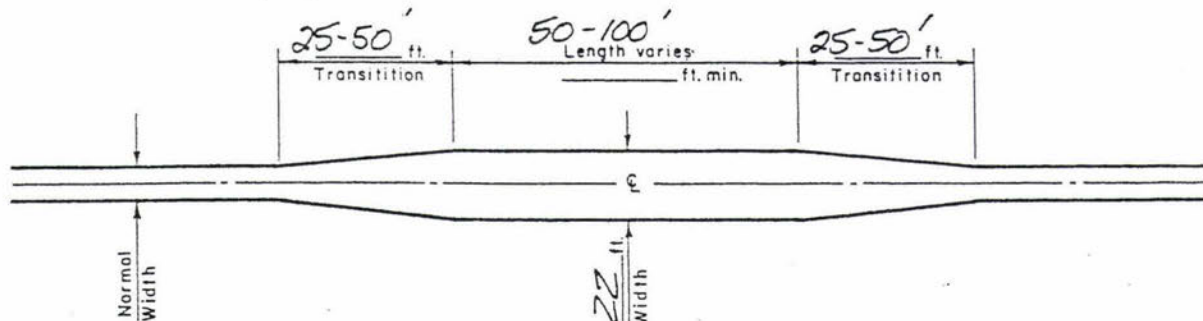


DEPARTMENT OF AGRICULTURE
FOREST SERVICE

PROJECT DRAWING

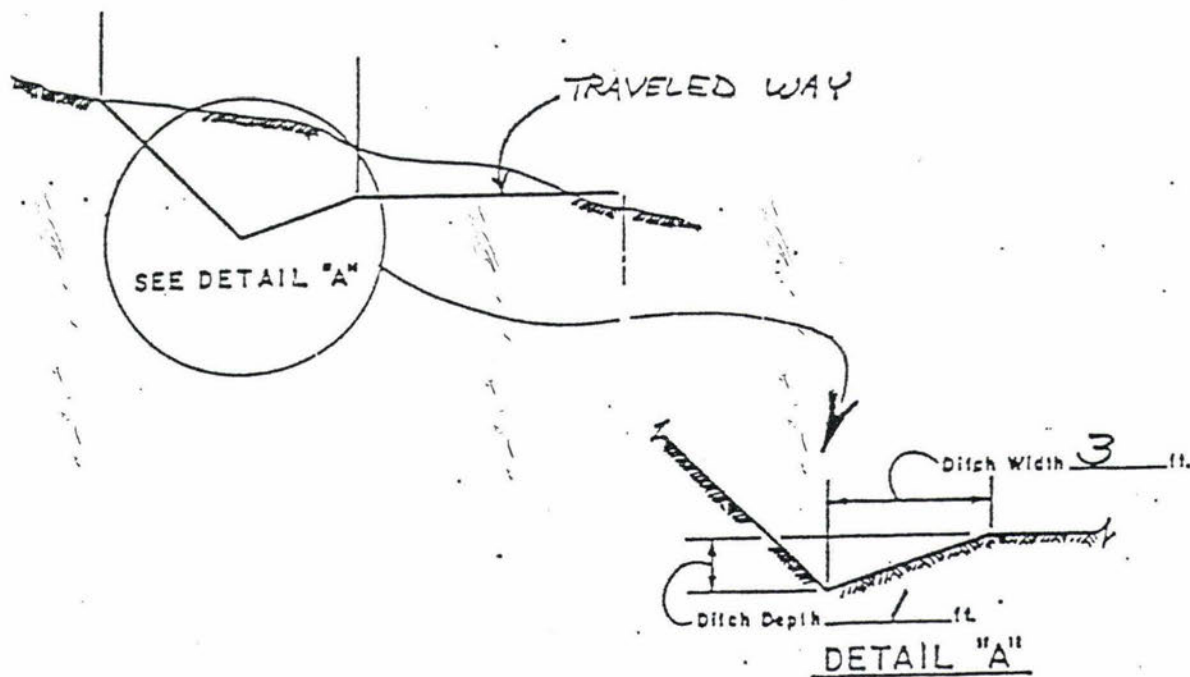


PLAN VIEW
TURNOUT WIDENING ON ONE SIDE



PLAN VIEW
TURNOUT - WIDENING ON BOTH SIDES

- No Scale -



- No Scale -

TURNOUTS

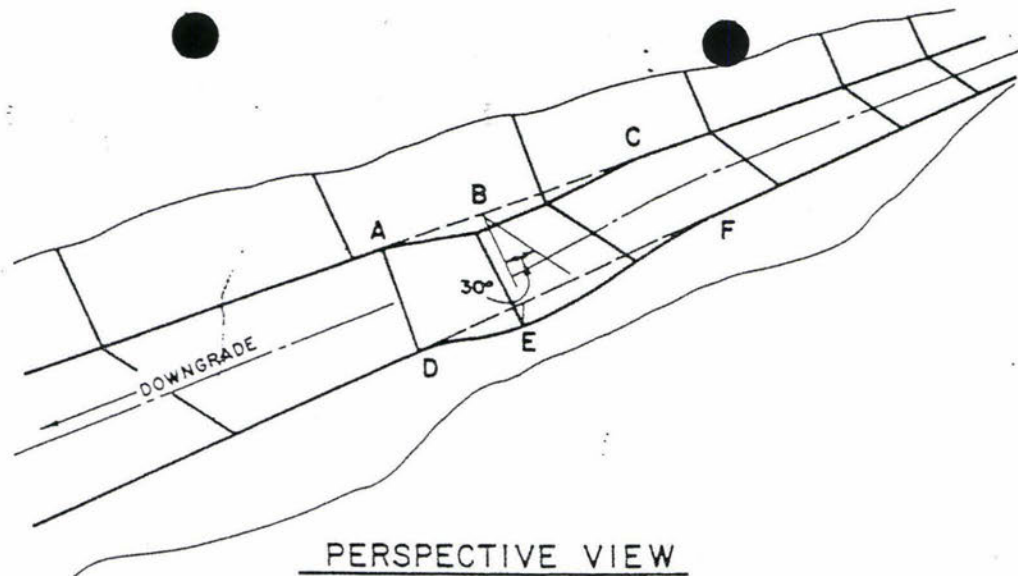
ROADSIDE DITCH



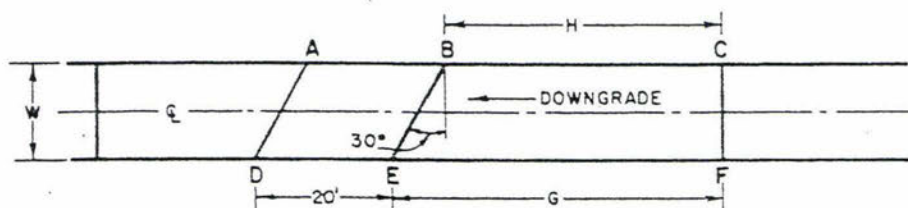
DEPARTMENT OF AGRICULTURE
FOREST SERVICE
ROCKY MOUNTAIN REGION

STANDARD
DRAWING

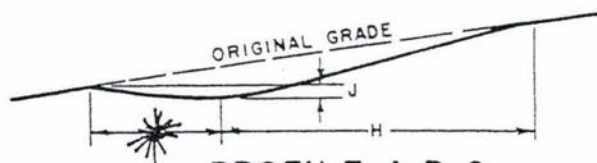
203-201



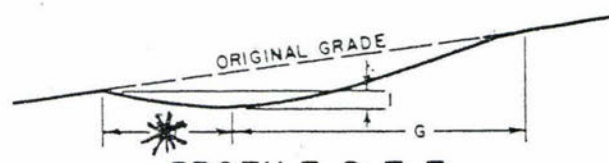
PERSPECTIVE VIEW



PLAN VIEW



PROFILE A-B-C



PROFILE D-E-F

NOTES:

1. Details shown are for an outsloped or flat roadbed without a ditch. Dips will be constructed in a ditch section by transitioning the ditch invert from normal ditch depth to dimension "J" between points "B" and "C". Resume ditch construction 20' downgrade from point "A".
2. Dip outlets will be constructed to drain freely away from road. Any outlet ditching required to accomplish this will be considered incidental to construction of the dip unless otherwise specified.
3. Tolerance class through the rolling dip shall be Class A. (203.16)

* = 25' MINIMUM

ROAD GRADE IN %	30° ROLLING DIP															
	W 12'				W 14'				W 16'				W 24'			
	LENGTH		DEPTH		LENGTH		DEPTH		LENGTH		DEPTH		LENGTH		DEPTH	
	G	H	I	J	G	H	I	J	G	H	I	J	G	H	I	J
<6	57	50	0.80	0.30	58	50	0.90	0.30	59	50	0.95	0.30	64	50	1.30	0.30
6	62	55	0.80	0.30	63	55	0.90	0.30	64	55	1.00	0.30	69	55	1.35	0.30
7	67	60	0.85	0.30	68	60	0.95	0.30	69	60	1.05	0.30	74	60	1.45	0.30
8	72	65	0.85	0.30	73	65	1.00	0.30	74	65	1.10	0.30	79	65	1.75	0.30
9	77	70	0.85	0.30	78	70	1.00	0.30	79	70	1.10	0.30	84	70	1.75	0.30
10	82	75	0.90	0.30	83	75	1.05	0.30	84	75	1.15	0.30	89	75	2.00	0.30

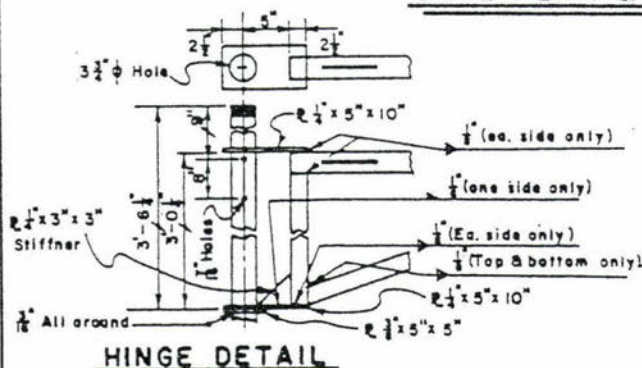
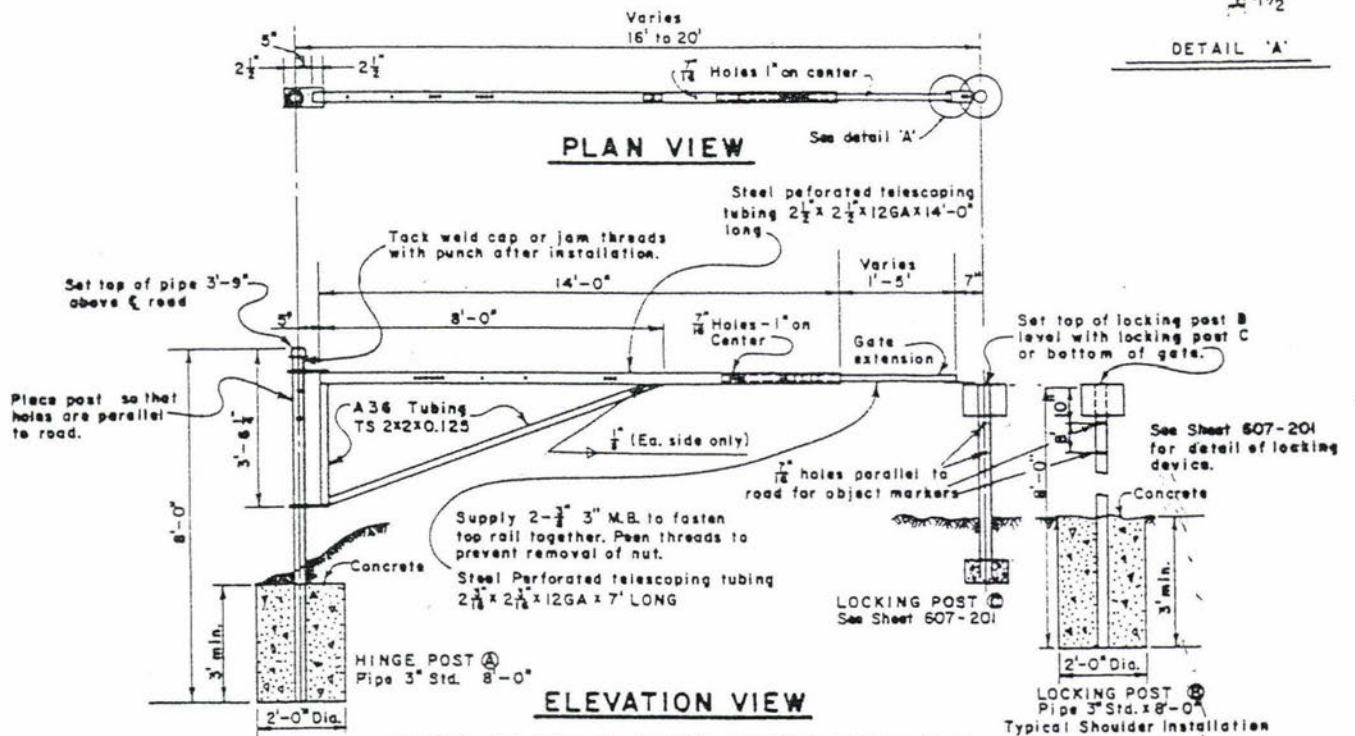
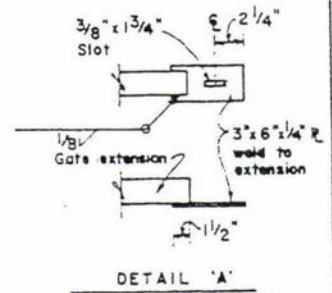
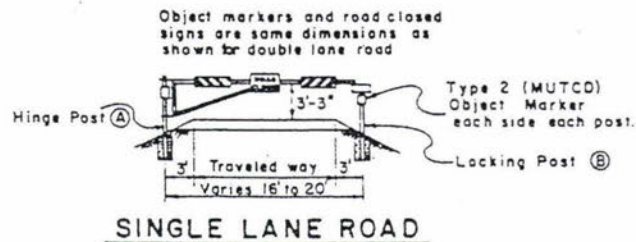
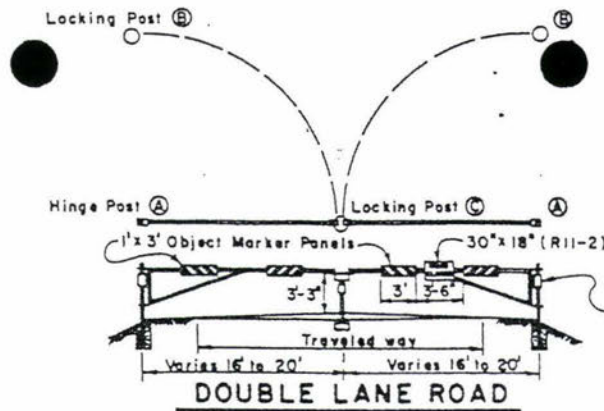
30° ROLLING DIP



DEPARTMENT OF AGRICULTURE
FOREST SERVICE
ROCKY MOUNTAIN REGION

STANDARD
DRAWING

203-301



NOTES:

1. All members of the gate assembly shall be fabricated from standard steel sections. Fabricated members shall receive one shop coat of aluminum paint after fabrication. Aluminum paint shall conform to AASHTO specification M69-70. Hardware shall be cadmium plated.
2. The closure gate pay item includes all required attached signs.
3. Concrete shall be in accordance with Section 602, Method A, Ber C.
4. Attach all signs with vandal-proof belts.

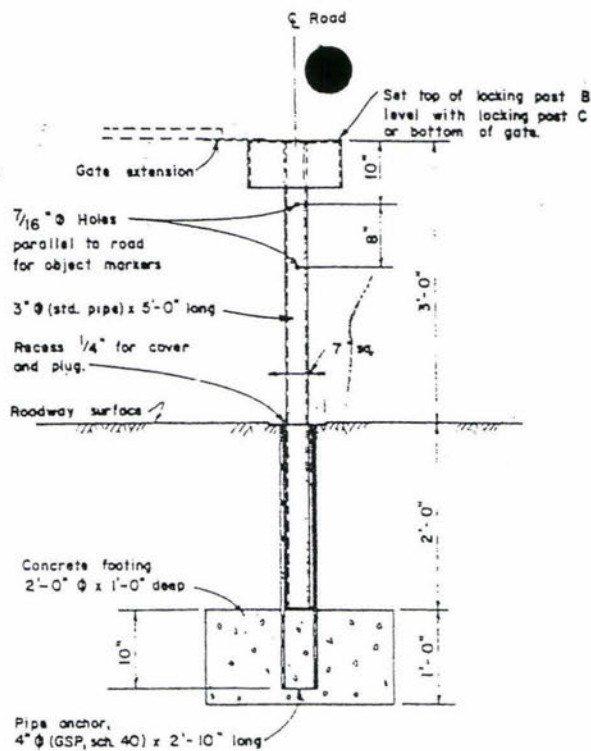
TYPE I
ROAD CLOSURE GATE



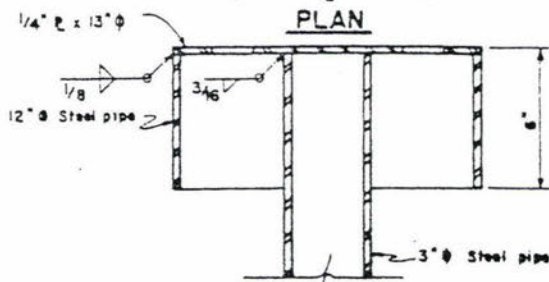
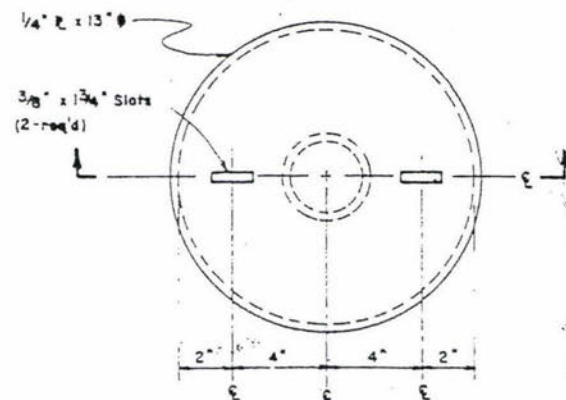
DEPARTMENT OF AGRICULTURE
FOREST SERVICE
ROCKY MOUNTAIN REGION

STANDARD
DRAWING

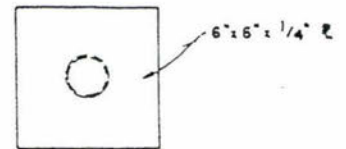
607-200



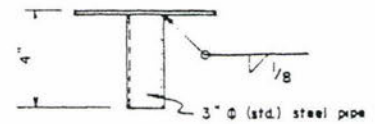
LOCKING POST ©



SEC. A-A
LOCKING POST DETAILS

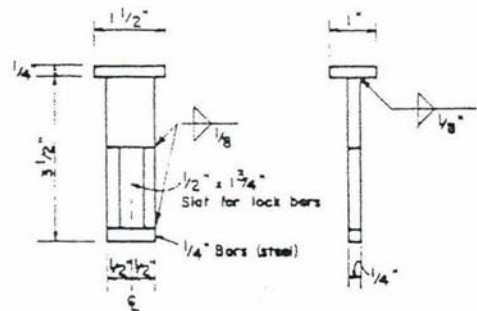


PLAN

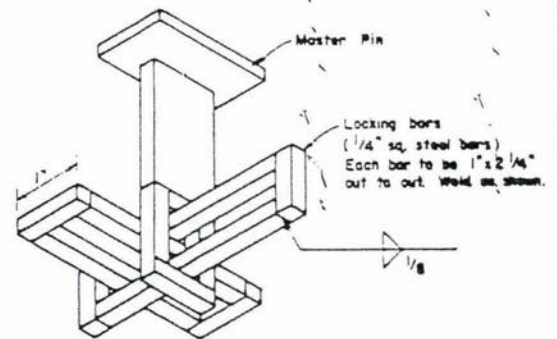


ELEV.

CENTER COVER & PLUG



MASTER LOCKING PIN



LOCKING ASSEMBLY

CENTER POST & LOCKING
DEVICE FOR TYPE I
ROAD CLOSURE. GATE



DEPARTMENT OF AGRICULTURE
FOREST SERVICE
ROCKY MOUNTAIN REGION

STANDARD
DRAWING

607-201

Roads Work List

Notes:

1. Cleaning of equipment to help prevent noxious weed spread is required before bringing equipment on site. See attached Section C.

2. Mileposts will be staked prior to construction by the Forest Service. Install road construction ahead signs before construction begins. See Section 104 of Road Specifications.

ROAD 517.

MP 0.00 Intersection with Manhattan Road # 162 in NW ¼ of Section 7, T 9 N, R 73 W. Begin reconstruction of road per typical section and marked clearing limits.

MP 0.00 to MP 2.4 Reconstruct (10) rolling dips to drain and be driveable with standard log truck. Add ditchouts and lengthen ditches where needed. Estimate 400 lf of ditch. Construct (3) Turnouts where staked. See rolling dip, ditch, ditchout and Turnout Typical.

Add (10) new rolling dips in staked locations. Cover each rolling dip with (4) inches of aggregate from a commercial source. See rolling dip details.

Cover rocky spots (20) with pit run aggregate to 4 inch depth available at MP 2.0 of road 517 and other locations to be selected and approved by Forest Service. Estimate 100 cubic yards total.

MP 0.35 Install road closure gate on side road as staked. See gate typical. **This gate to be set with rock around posts (no concrete) for later removal.**

MP 1.4 Culvert at Bellaire Ditch.

MP 1.8 to MP 2.4 . Existing road is 10 feet wide, Clear to 22 foot width per typical. Construct (4) bury holes for construction slash.

There will be 4 minor reroutes in this segment of road. Estimate Extra Clearing of 0.25 acre and extra excavation of 50 cubic yards.

MP 2.4 Close Side Road to Elkhorn Creek. Scarify road prism for 300 lf. Add (2) Closure Barricades. See Typical Earth Barricade.

Road 534.

(Road 534 is Located approximately 3 miles south of 517 / 162 intersection on County Road 162.)

MP 0.50 Install road closure gate. See Gate typical.

SEVEN MILE PROJECT DISPOSITION OF FOREST BIOMASS

[illegible]

Attachment #5 – Emergency Control Fire Plan

The Contractor, whether or not directed by the Forest Service, shall immediately extinguish without expense to the Government, all fires on or in the vicinity of the project which are caused by the Contractor's employees, whether set directly or indirectly as a result of construction operations. The Contractor may be held liable for all damages and costs of additional labor, subsistence, equipment, supplies, and transportation deemed necessary by the Government resulting from fires set or caused by Contractor's employees or resulting from operations.

When requested by the Contracting Officer, the Contractor shall allow the Forest Service to temporarily use employees and equipment for emergency work, whether or not caused by the Contractor. Payment will be made at not less than the current area rate established by the Forest Service. Employees and equipment will be released when other labor and equipment adequate for the protection of the area is obtained.

Tools

1. The Contractor shall furnish and maintain in a serviceable condition one shovel or pulaski for each of his employees, to be used only for suppressing Forest fires. These tools shall be kept in a sealed box and available within the immediate working areas.
2. The Contractor shall furnish one shovel, LHRP, size 0 or larger, one ax, two pounds or larger, and one 5 lb. chemical pressurized fire extinguisher rated 3A to 40 BC, for each truck, each personnel vehicle, each tractor, grader or motorized equipment being utilized on the job site. For each welder, the Contractor shall furnish one shove, LHRP, size 0 or larger and one backpack, five-gallon pump; for each gasoline power tool (power saw, soil auger, etc.), one shovel, LHRP, size 0 or larger, and one eight-ounce chemical pressurized fire extinguisher. The Contractor shall also furnish any other equipment called for elsewhere in the contract. All fire tools and equipment required to be furnished by the Contractor shall be in good working condition.

Fire Prevention

1. Burning, Blasting, or Welding: Advance approval in writing shall be required and will contain special stipulations pertinent to the particular job. The District Ranger may give, in writing, seasonal approval with stipulations for blasting and/or welding. At no time shall the use of detonating cord be allowed in clearing operations. At all times, explosives shall be stored in a locked box marked "Explosives." All Federal, State, and local laws concerning the use and storage of explosives shall be complied with.
2. Lunch and Warming Fires: **No Cooking or Warming Fires are allowed in this project area.**
3. Spark Arrestors: All diesel or gasoline operated engines except those machines equipped with exhaust drive turbochargers, and all flues used on the project and in construction camps, shall be equipped with adequate, serviceable arresting devices that meet Forest Service Standard 5100-1, Spark Arrestors for Internal Combustion Engines. Information in this standard will be furnished, upon request.
4. Smoking: The Contractor may permit smoking by his/her employees, but only in safe places such as: along roads, in truck cabs, or where all inflammable material has been cleared away from an area at least three feet in diameter. During periods of high fire danger, smoking may be prohibited by the District Ranger except in truck cabs and at places of habitation. Under no circumstances shall smoking be permitted during the period of April 15 through November 15 while operating tractors or other open-type vehicles in areas not cleared to mineral soil, or while walking or working in such areas.
5. Power Saws: Gas and oil shall be carried only in metal safety cans.
6. Storage and Parking Areas: Equipment service areas, parking areas, gas and oil drum storage areas, and explosive storage areas shall be cleared of all inflammable material for a distance of 50 feet. Small stationary engine sites shall be cleared of all inflammable material for a distance of 15 feet. Inflammable and explosive storage areas shall be labeled as such, and "No Smoking" signs erected.
7. Oil Filter, Cartridges, Oily Rags: The Contractor shall transport all used oil filters, cartridges, oily rags and other waste to an established waste disposal installation specifically intended for the type of waste being disposed by the Contractor. Glass jugs or bottles shall not be used for gas, oil, or water.
8. Communications: The Contractor shall have communications (e.g. cell phone) to report a fire.

Attachment #6


POTENTIAL SEED SUPPLIERS

Please note: this is obviously not an all-inclusive list. Other seed suppliers are acceptable. This informational list of suppliers is provided simply to assist prospective contractors in locating potential sources. The Contractor shall bear the sole responsibility for obtaining the type and amount of seed mix specified.

<u>Vendor</u>	<u>City</u>	<u>Phone #</u>
Arkansas Valley Seed Company	Longmont, CO	970-535-4481
Pawnee Buttes Seed, Inc.	Greeley, CO	970-356-7002
Ranch-Way Feeds	Fort Collins, CO	970-482-1662
Seekamo Seed Company	Greeley, CO	970-737-2270
Sharp Brothers Seed Company	Greeley, CO	800-421-4234
Western Native Seed	Salida, CO	719-539-1071

REGISTER OF WAGE DETERMINATIONS UNDER
THE SERVICE CONTRACT ACT
By direction of the Secretary of Labor

U.S. DEPARTMENT OF LABOR
EMPLOYMENT STANDARDS ADMINISTRATION
WAGE AND HOUR DIVISION
WASHINGTON, D.C. 20210



William W. Gross
Director

Division of
Wage Determinations

Wage Determination No.: 1976-1351
Revision No.: 21
Date of Last Revision: 05/31/2001

State: Colorado
Area: Colorado Statewide

**** Fringe Benefits Required Follow the Occupational Listing ****

Employed on service contracts for forestry, land management, the cleaning of public use areas and timber inventory services.

OCCUPATION TITLE	MINIMUM WAGE RATE
Brush/Precommercial Thinner	9.95
Choker Setter	10.85
Faller/Bucker	12.41
Fire Lookout	9.95
Forestry Equipment Operator	14.39
Forestry Technician	15.29
Forestry Truckdriver	15.29
Forestry/Logging Heavy Equipment Operator	15.29
General Forestry Laborer	10.59
Nursery Specialist	13.78
Slash Piler/Burner	9.95
Tree Climber	11.13
Tree Planter	8.12
Tree Planter, Mechanical	8.12

ALL OCCUPATIONS LISTED ABOVE RECEIVE THE FOLLOWING BENEFITS:

HEALTH & WELFARE: \$2.02 an hour or \$80.80 a week or \$350.13 a month.

VACATION: 2 weeks paid vacation after 1 year of service with a contractor or successor; 3 weeks after 5 years, and 4 weeks after 15 years. Length of service includes the whole span of continuous service with the present contractor or successor, wherever employed, and with the predecessor contractors in the performance of similar work at the same Federal facility. (Reg. 29 CFR 4.173)

HOLIDAYS: A minimum of ten paid holidays per year: New Year's Day, Martin Luther King Jr.'s Birthday, Washington's Birthday, Memorial Day, Independence Day, Labor Day, Columbus Day, Veterans' Day, Thanksgiving Day, and Christmas Day. (A contractor may substitute for any of the named holidays another day off with pay in accordance with a plan communicated to the employees involved.) (See 29 CFR 4.174)

**** UNIFORM ALLOWANCE ****

If employees are required to wear uniforms in the performance of this contract (either by the terms of the Government contract, by the employer, by the state or local law, etc.), the cost of furnishing such uniforms and maintaining (by laundering or dry cleaning) such uniforms is an expense that may not be borne by an employee where such cost reduces the hourly rate below that required by the wage determination. The Department of Labor will accept payment in accordance with the following standards as compliance:

- * The contractor or subcontractor is required to furnish all employees with an adequate number of uniforms without cost or to reimburse employees for the actual cost of the uniforms. In addition, where uniform cleaning and maintenance is made the responsibility of the employee, all contractors and subcontractors subject to this wage determination shall (in the absence of a bona fide collective bargaining agreement providing for a different amount, or the furnishing of contrary affirmative proof as to the actual cost), reimburse all employees for such cleaning and maintenance at a rate of \$3.35 per week (or \$.67 cents per day). However, in those instances where the uniforms furnished are made of "wash and wear" materials, may be routinely washed and dried with other personal garments, and do not require any special treatment such as dry cleaning, daily washing, or commercial laundering in order to meet the cleanliness or appearance standards set by the terms of the Government contract, by the contractor, by law, or by the nature of the work, there is no requirement that employees be reimbursed for uniform maintenance costs.

**** NOTES APPLYING TO THIS WAGE DETERMINATION ****

Source of Occupational Title and Descriptions:

The duties of employees under job titles listed are those described in the "Service Contract Act Directory of Occupations," Fourth Edition, January 1993, as amended by the Third Supplement, dated March 1997, unless otherwise indicated. This publication may be obtained from the Superintendent of Documents, at 202-783-3238, or by writing to the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402. Copies of specific job descriptions may also be obtained from the appropriate contracting officer.

REQUEST FOR AUTHORIZATION OF ADDITIONAL CLASSIFICATION AND WAGE RATE {Standard Form 1444 (SF 1444)}

Conformance Process:

The contracting officer shall require that any class of service employee which is not listed herein and which is to be employed under the contract (i.e., the work to be performed is not performed by any classification listed in the wage determination), be classified by the contractor so as to provide a reasonable relationship (i.e., appropriate level of skill comparison) between such unlisted classifications and the classifications listed in the wage determination. Such conformed classes of employees shall be paid the monetary wages and furnished the fringe benefits as are determined. Such conforming process shall be initiated by the contractor prior to the performance of contract work by such unlisted class(es) of employees. The conformed classification, wage rate, and/or fringe benefits shall be retroactive to the commencement date of the contract. {See Section 4.6 (C)(vi)} When multiple wage determinations are included in a contract, a separate SF 1444 should be prepared for each wage determination to which a class(es) is to be conformed.

The process for preparing a conformance request is as follows:

- 1) When preparing the bid, the contractor identifies the need for a conformed occupation(s) and computes a proposed rate(s).
- 2) After contract award, the contractor prepares a written report listing in order proposed classification title(s), a Federal grade equivalency (FGE) for each proposed classification(s), job description(s), and rationale for proposed wage rate(s), including information regarding the agreement or disagreement of the authorized representative of the employees involved, or where there is no authorized representative, the employees themselves. This report should be submitted to the contracting officer no later than 30 days after such unlisted class(es) of employees performs any contract work.
- 3) The contracting officer reviews the proposed action and promptly submits a report of the action, together with the agency's recommendations and pertinent information including the position of the contractor and the employees, to the Wage and Hour Division, Employment Standards Administration, U.S. Department of Labor, for review. (See section 4.6(b)(2) of Regulations 29 CFR Part 4).
- 4) Within 30 days of receipt, the Wage and Hour Division approves, modifies, or disapproves the action via transmittal to the agency contracting officer, or notifies the contracting officer that additional time will be required to process the request.
- 5) The contracting officer transmits the Wage and Hour decision to the contractor.
- 6) The contractor informs the affected employees.

Information required by the Regulations must be submitted on SF 1444 or bond paper.

- When preparing a conformance request, the "Service Contract Act Directory of Occupations" (the Directory) should be used to compare job definitions to insure that duties requested are not performed by a classification already listed in the wage determination. Remember, it is not the job title, but the required tasks that determine whether a class is included in an established wage determination. Conformances may not be used to artificially split, combine, or subdivide classifications listed in the wage determination.

GENERAL DECISION **CO010001** 07/20/01 CO1
 General Decision Number **CO010001**

Superseded General Decision No. CO0000001

State: Colorado

Construction Type:
 HEAVY
 HIGHWAY

County(ies):
 STATEWIDE

HEAVY AND HIGHWAY CONSTRUCTION PROJECTS

Modification Number	Publication Date
0	03/02/2001
1	03/09/2001
2	05/04/2001
3	07/06/2001
4	07/20/2001

COUNTY(ies):
 STATEWIDE

CARP0002E	05/01/2001		
CARPENTERS		Rates 19.77	Fringes 5.40

CARP2834A	05/01/2001		
MILLWRIGHTS		Rates 22.22	Fringes 5.84

ELEC0012B	06/01/2000		
		Rates	Fringes
ALAMOSA, ARCHULETA, BACA, BENT, CHAFFEE, CONEJOS, COSTILLA, CROWLEY, CUSTER, FREMONT, HUERFANO, KIOWA, LAS ANIMAS, MINERAL, OTERO, PROWERS, PUEBLO, RIO GRANDE AND SAGUACHE COUNTIES			
ELECTRICIANS:			
Electrical work \$200,000 or less		18.98	3%+6.14
Electrical work over \$200,000		22.13	3%+6.14

ELEC0068A	06/01/2001		
		Rates	Fringes
ADAMS, ARAPAHOE, BOULDER, CLEAR CREEK, DENVER, DOUGLAS, EAGLE, GILPIN, GRAND, JACKSON, JEFFERSON, LAKE, LARIMER, LOGAN, MORGAN, PHILLIPS, SEDGWICK, SUMMIT, WASHINGTON, WELD AND YUMA COUNTIES			
ELECTRICIANS		25.76	3%+7.21

ELEC0111A	09/01/1999		
		Rates	Fringes
LINE CONSTRUCTION:			
Cable Splicers		24.67	15.25%+2.00
Lineman, Gas Fitter, Welder		25.15	15.25%+2.00
Line Equipment Operator,			
Line Truck Crew		19.64	15.25%+2.00

Groundman	12.94	15.25%+2.00
-----------	-------	-------------

ELEC0111B 03/01/1998

	Rates	Fringes
TRAFFIC SIGNAL INSTALLER	18.56	10.6%+ 2.00
EQUIPMENT OPERATOR	17.48	10.6%+ 2.00
GROUNDMAN	11.52	10.6%+ 2.00

ELEC0113C 06/01/2001

	Rates	Fringes
CHEYENNE, ELBERT, EL PASO, KIT CARSON, LINCOLN, PARK, AND TELLER COUNTIES		

ELECTRICIANS	23.35	3%+8.14
--------------	-------	---------

ELEC0969C 06/01/2000

	Rates	Fringes
DELTA, DOLORES, GARFIELD, GUNNISON, HINSDALE, LA PLATA, MESA, MOFFAT, MONTEZUMA, MONTROSE, OURAY, PITKIN, RIO BLANCO, ROUTT, SAN JUAN AND SAN MIGUEL COUNTIES		

ELECTRICIANS	20.35	4%+5.14
--------------	-------	---------

ENGI0009A 04/23/2001

	Rates	Fringes
POWER EQUIPMENT OPERATORS: (TUNNELS ABOVE AND BELOW GROUND, SHAFTS, AND RAISES)		
GROUP 1	20.67	5.17
GROUP 2	21.02	5.17
GROUP 3	21.12	5.17
GROUP 4	21.37	5.17
GROUP 5	21.52	5.17
GROUP 6	21.92	5.17
GROUP 7	21.67	5.17

POWER EQUIPMENT OPERATOR CLASSIFICATIONS

GROUP 1 - Brakeman

GROUP 2 - Motorman

GROUP 3 - Compressor

GROUP 4 - Air Tractors; Grout Machine; Gunnite Machine; Jumbo Form

GROUP 5 - Concrete Placement Pumps; Mucking Machines and Front End Loaders, Underground, Slusher; Mine Hoist Operator; Mechanic

GROUP 6 - Mole

GROUP 7 - Mechanic Welder

ENGI0009B 04/23/2001

	Rates	Fringes
POWER EQUIPMENT OPERATORS:		

GROUP 1	18.52	5.17
GROUP 2	18.87	5.17
GROUP 3	19.22	5.17
GROUP 4	19.37	5.17
GROUP 5	19.52	5.17
GROUP 6	19.67	5.17
GROUP 7	20.43	5.17

NOTE: Any equipment listed below being used in tunnel work, below or above ground shall be paid not less than \$2.00 per hour above the listed wage rates.

POWER EQUIPMENT OPERATOR CLASSIFICATIONS

GROUP 1 - Air compressor, oiler, brakeman, drill operator - smaller than Williams MF and similar, tender to heavy duty mechanic and/or welder, operators of 5 or more light plants, welding machines, generators, single unit conveyor, pumps, vacuum well point system, tractor, under 70 hp with or without attachments compressors, 360 C.F.M. or less

GROUP 2 - Conveyor, handling building materials, ditch witch and similar trenching machine, fireman or tank heater, road, forklift, haulage motor man, pugmill, portable screening plant with or without a spray bar, screening plants, with classifier, self-propelled roller, rubber-tires under 5 tons, grade checker

GROUP 3 - Asphalt screed, asphalt plant, backfiller, bituminous spreader or laydown machine; cableway signalman, caisson drill, William MF, similar or larger; C.M.I. and similar, concrete batching plants, concrete finish machine, concrete gang saw on concrete paving, concrete mixer, less than 1 yd., concrete placement pumps, under 8 inches, distributors, bituminous surfaces, drill, diamond or core, drill rigs, rotary, churn, or cable tool, elevating graders, equipment, lubricating and service engineer, engineer fireman, grout machine, gunnite machine, hoist, 1 drum, hydraulic backhoes, wheel mounted under 3/4 yd., loader, barber green, etc.; loader up to and including 6 cubic yards, motor grader/blade, rough; road stabilization machine, rollers, self-propelled all types over 5 tons, sandblasting machine, single unit portable crusher, with or without washer, tie tamper, wheel mounted, tractor, 70 hp and over with or without attachments, trenching machine operator, winch on truck

GROUP 4 - Cable operated crane, track mounted, cable operated power shovels, draglines, clamshells, and backhoes, 5 cubic yards and under, concrete mixer over 1 cubic yard, concrete paver 34E or similar, concrete placement pumps, 8 inches and over, crane, 50 tons and under, hoist, 2 drums, hydraulic backhoe, 3/4 yds and over, loader, over 6 cubic yards, machine doctor, mechanic, mixer mobile, motor grader/blade, finish, multiple unit portable crusher, with or without washer; piledriver, scrapers, single bowl under 40 cubic yards, self-propelled hydraulic crane, tractor with sideboom, truck mounted hydraulic crane, roto-mill and similar, welder

GROUP 5 - Cable operated power shovels, draglines, clamshells and backhoes over 5 cubic yards, crane 51 to 90 tons carrier mounted, electric rail type tower crane, hoist, 3 drum or more, quad nine and similar push unit, scrapers single bowl including pups 40

cubic yards and tandem bowls and over mechanic - welder (heavy-

duty)

GROUP 6 - Cableway, crane (91 to 140 tons), climbing tower crane, crawler or truck mounted tower crane, derrick, wheel excavator, tower crane, rail type, belt or elevating loader

GROUP 7 - Cranes (140 tons and over)

IRON0024F 02/01/2001

	Rates	Fringes
IRONWORKERS: STRUCTURAL, ORNAMENTAL, AND REINFORCING	20.00	7.11

LABO0086A 05/01/2000

	Rates	Fringes
LABORERS: GROUP 1	14.55	3.28
GROUP 2	14.60	3.28
GROUP 3	15.10	3.28
GROUP 4	11.25	3.28

LABORER CLASSIFICATIONS

GROUP 1 - Minimum labor, including caissons to 8' carrying Reinforcing Rods; Dowel Bars; Fence Erectors; Fire Watchers on power plants and oil refineries; Gabion Basket and Reno mattresses; Signaling, Metal Mesh; Nursery Man (including seeding; mulching and planting trees); pipe plants and yards; Shrubs and flowers; Stake Caser; Tie Bars and Chairs in Concrete Paving; Waterproofing Concrete.

GROUP 2 - Air, Gas, Hydraulic Tools and Electrical Tool Operators; Barco Hammers; Cutting Torches; drill; diamond and core drills; electric hammers; Jackhammers; Hydraulic Jacks; Tampers; Air Tampers; Boring Machines; Air Hydraulic Boring machines; Automatic Concrete Power Curbing Machines; Concrete Processing Material; form setters; Highways, Streets, and Airports runways; Operators of concrete saws on pavement (other than gangsaws); Power operated Concrete Buggies; Hot Asphalt Labor; Asphalt Curb Machines; Paving Breakers; Transverse Concrete Conveyor Operator; Cofferdams; Boxtenders; Caisson 8' to 12'; Caisson Over 12'; Jackhammer Operators in Caissons over 12'; Labor applicable to Pipe coating or Wrapping; Pipe Wrappers, Plant and Yard; Relining Pipe; Hydroliner (a plastic may be used to waterproof); Pipelayer on Underground Bores; Sewer, Water, Gas, Oil and Telephone Conduit; Enamalers on Pipe, inside and out, Mechanical Grouters; Monitors; Jeep Holiday Detector Men; Pump Operators; Rakers; Vibrators; Hydro- broom, Mixer Man; Gunnite Nozzelmen; Shotcrete Operator; Timbermen, Timber and Chain Saws; Sand Blaster; Licensed Powdermen;

Powdermen and Blaster; Siphons; Signalmen; Grade Checker.

GROUP 3 - Plug and galleys in dams; Scalers and work on or off Bridges 40' above the ground performed by Laborers working from a Bos'n Chair, Swinging Stage, Life Belt, or Block and Tackle as a safety requirement

GROUP 4 - Traffic Directors

LABO0086B 05/01/2000

	Rates	Fringes
LABORERS: (TUNNEL)		
GROUP 1	14.55	3.28
GROUP 2	15.45	3.28
GROUP 3	15.55	3.28
GROUP 4	16.65	3.28
GROUP 5	16.60	3.28

TUNNEL LABORER CLASSIFICATIONS

GROUP 1 - Outside Laborer - Above ground

GROUP 2 - Minimum Tunnel Laborer, Dry Houseman

GROUP 3 - Cable or Hose Tenders, Chuck Tenders, Concrete Laborers, Dumpmen, Whirley Pump Operators

GROUP 4 - Tenders on Shotcrete, Gunniting and Sand Blasting; Tenders, core and Diamond Drills; Pot Tenders

GROUP 5 - Collapsible Form Movers and Setters; Miners; Machine Men and Bit Grinders; Nippers; Powdermen and Blasters; Reinforcing Steel Setters; Timbermen (steel or wood tunnel support, including the placement of sheeting when required); and all Cutting and Welding that is incidental to the Miner's work; Tunnel Liner Plate Setters; Vibrator Men, Internal and External; Unloading, stopping and starting of Moran Agitator Cars; Diamond and Core Drill Operators; Shotcrete operator; Gunnite Nozzlemen; Sand Blaster; Pump Concrete Placement Men.

LABO0086C 05/01/2000

	Rates	Fringes
LABORERS: (SHAFTS, RAISES, MISSILE SILOS AND ALL UNDERGROUND WORK OTHER THAN TUNNELS)		
GROUP 1	15.55	3.28
GROUP 2	15.70	3.28
GROUP 3	15.80	3.28
GROUP 4	16.05	3.28
GROUP 5	16.15	3.28
GROUP 6	16.75	3.28

LABORER CLASSIFICATIONS (SHAFTS, RAISES, MISSILE SILOS AND UNDERGROUND)

GROUP 1 - Laborers; Topmen; Bottommen; Cagers

GROUP 2 - Chucktenders; Concrete Laborers; Whirley Pump Operators

GROUP 3 - Tenders in Shotcrete Gunniting and Sandblasting; Tenders on Core and Diamond Drills; Pot Tenders;

GROUP 4 - Diamond and Core Drill Operators; Gunnite Nozzlemen; Shotcrete Operators; Sandblasters; and Pump Concrete Placement Men

GROUP 5 - Any employee performing work underground from a bos'n chair, swinging stage, life belt or block and tackle as a safety requirement

GROUP 6 - Collapsible Form Movers and Setters, Miners, Machine Men and Bit Grinders; Nippers; Powdermen and Blasters;

Reinforcing Steel Setters; Timbermen (steel or wood tunnel support, Including the Placement of Sheeting when Required) and all Cutting and Welding that is Incidental to the Miner's Work; Liner Plate Setters; Internal and External Vibrator Men;

LABO0086D 05/01/2000

	Rates	Fringes
LABORERS:		
Removal or encapsulation of Asbestos Material (including removal of asbestos from mechanical systems that are going to be scraped) and work involving the removal, handling, or dealing with toxic or hazardous waste	17.95	3.28
WATER, SEWAGE AND GAS LINES		
Janitors, Yardmen, Traffic Directors	11.25	3.28
Laborers	13.85	3.28
Pipelayer (one per crew)	14.35	3.28

* PAIN0079G 08/01/2000

	Rates	Fringes
PAINTERS:		
BRUSH	18.91	3.82
SPRAY AND SWING STAGE	19.91	3.82

PLAS0577D 05/01/2000

	Rates	Fringes
CEMENT MASONS	20.20	3.52
HAZARDOUS AND TOXIC WASTE CONSTRUCTION SPECIALIST:	22.20	3.52
CONCRETE SPECIALIST: Including finishing; grouting patching and curbing	23.20	3.52

PLUM0003E 07/01/2001

	Rates	Fringes
DENVER COUNTY PLUMBERS	26.32	5.29

PLUM0020E 07/01/2000

	Rates	Fringes
ALAMOSA, BACA, BENT, CHAFFEE, COSTILLA, CROWLEY, CUSTER, FREMONT, HUERFANO, KIOWA, LAS ANIMAS, MINERAL, OTERO, PROWERS, PUEBLO, RIO GRANDE & SAGUACHE		

PLUMBERS & PIPEFITTERS (Including HVAC Work):

Free Zone - 0 - to 40 miles	19.00	5.77
-----------------------------	-------	------

Zone 1 - 40 miles and over: \$19.00 per hour + \$32.00 per day

per diem will be paid on projects over 40 miles (Zone 1) measured in practical driving miles by the shortest route, beginning at 5th and Main Streets in Pueblo, Colorado, when the employee stays overnight or drives their own vehicle.

Hazardous Pay: Add \$2.20 per hour to \$19.00 base rate. Hazardous pay applies to projects at chemical plants, steel mills, cement plants, power generator plants, process piping at manufacturing plants, food processing plants, and all projects which may present a health hazard or serious personal injury.

PLUM0058E 07/01/2000

	Rates	Fringes
CHEYENNE, EL PASO, AND TELLER, ELBERT (SOUTHERN PORTION INCLUDING THE TOWNS OF ELBERT, MATHERSON AND SIMLA), LINCOLN (INCLUDING THE TOWN OF GEONA AND ARRIBA IN THE SOUTHERN PORTION OF COUNTY), KIT CARSON (INCLUDING TOWNS OF DFALGLER, SEIBERT, VONA, STRATTON AND BETHUNE), DOUGLAS (INCLUDING TOWNS OF LASPUR AND PALMER LAKE), PARK (INCLUDING TOWNS OF FAUPLAY, HARTSEL, AND LAKE GEORGE) COUNTIES		

PLUMBERS & PIPEFITTERS:	23.15	5.85
-------------------------	-------	------

PLUM0145B 05/01/2001

	Rates	Fringes
MONTEZUMA COUNTY		

PLUMBERS	21.78	5.50
----------	-------	------

PLUM0208J 07/01/2001

	Rates	Fringes
DENVER COUNTY:		
PIPEFITTERS	26.37	5.29

TEAM0435A 05/01/2000

	Rates	Fringes
TRUCK DRIVERS:		
GROUP 1	14.21	5.27
GROUP 2	14.93	5.27
GROUP 3	15.27	5.27
GROUP 4	15.80	5.27
GROUP 5	16.45	5.27
GROUP 6	17.25	5.27

TRUCK DRIVER CLASSIFICATIONS

GROUP 1 Pickup, Greasemen, Servicemen and Ambulance Drivers, Battery Men, Sweeper Truck, Flat Rack Single Axle and Manhaul, Shuttle Truck or Bus, Flat Rack Tandem Axle.

GROUP 2 Dump Truck Driver to and including 6 cubic yards, Dump Truck Driver over 6 cubic yards to and including 14 cubic yards, Fork Lift Driver, Straddle Truck Driver, Lumber Carrier, Liquid and Bulk Tankers Single Axle, Tandem Axle, Semi or Combination, Euclid Electric or Similar, Multipurpose Truck Specialty and Hoisting, Truck Drivers Fuel Truck, Grease Truck, Combination Fuel and Grease.

GROUP 3 Truck Driver Snow Plow, Truck Driver Dumptor Type Jumbo and similar type equipment, Dump Truck Driver of 14 cubic yards to and including 29 cubic yards, Floats.

GROUP 4 Dump Truck Driver over 29 cubic yards to and including 79 cubic yards, Cement Mixer Agitator Truck over 10 cubic yards to and including 15 cubic yards, Tire Man, Distributor Truck Driver, Cab Operated Distributor Truck Driver.

GROUP 5 Dump Truck Driver over 79 cubic yards, Mechanic, Heavy Duty Diesel Mechanic, Body Man, Welders or Combination Men.

GROUP 6 Low Boy.

WELDERS - Receive rate prescribed for craft performing operation to which welding is incidental.
=====

Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29 CFR 5.5(a)(1)(v)).

In the listing above, the "SU" designation means that rates listed under that identifier do not reflect collectively bargained wage and fringe benefit rates. Other designations indicate unions whose rates have been determined to be prevailing.

WAGE DETERMINATION APPEALS PROCESS

1.) Has there been an initial decision in the matter? This can be:

- * an existing published wage determination
- * a survey underlying a wage determination
- * a Wage and Hour Division letter setting forth a position on a wage determination matter
- * a conformance (additional classification and rate) ruling

On survey related matters, initial contact, including requests for summaries of surveys, should be with the Wage and Hour Regional Office for the area in which the survey was conducted because those Regional Offices have responsibility for the Davis-Bacon survey program. If the response from this initial contact is not satisfactory, then the process described in 2.) and 3.) should be followed.

With regard to any other matter not yet ripe for the formal process described here, initial contact should be with the Branch of Construction Wage Determinations. Write to:

Branch of Construction Wage Determinations
Wage and Hour Division
U. S. Department of Labor
200 Constitution Avenue, N. W.
Washington, D. C. 20210

2.) If the answer to the question in 1.) is yes, then an

interested party (those affected by the action) can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Write to:

Wage and Hour Administrator
U.S. Department of Labor
200 Constitution Avenue, N. W.

Washington, D. C. 20210

The request should be accompanied by a full statement of the interested party's position and by any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

3.) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board
U. S. Department of Labor
200 Constitution Avenue, N. W.
Washington, D. C. 20210

4.) All decisions by the Administrative Review Board are final.
END OF GENERAL DECISION

Item #	Total	LP&O ccf	Defect %	PP ccf	Defect %	YUM ccf	DEAD	LP&O ccf	ccf/acre	Unit Total	Green ccf	Pol	CCF/acre	Req removal	Req removal	Req CCF	Opt Treat	#Landings	TSI_RF	Whip	Required	Rx Burn	Temp
unit	Unit Acres	(ST)net		(ST)net	(ST)	(ST)	(ST)	(POL)	total	CCF	Removals	Totals	pol mat	pol CCF/acre	pol CCF/unit	removed/unit	pol CCF/unit	1=8000sf	acres	acres	ROW	1/0	Roads/
																		Tot=Acres			Piling		Gates
Item 1																							
ROW	NA	0		0		0.00	0	0	0.00														
Total	NA	0		0		0.00	0	0	0.00														
Item 2																							
1	8.3	11	0.12	11	0.21	3.63	13.1	4.79	5.24	43.52	22	21.52	2.59	0.79	6.58	28.56	14.94	3.4	8.3	0.0	1.0		
2	8.5	38	0.13	1	0.21	5.15	1.79	6.97	6.22	52.91	39	13.91	1.64			39.00	13.91	4.1	8.5	0.0	1.0		
3	2.5	19	0.13	4	0.23	3.39	1.78	5.54	13.48	33.71	23	10.71	4.28	2.48	6.21	29.21	4.50	2.6	0.0	0.0	0.0		1/0
4	14	29	0.11	1	0.08	3.27	0.93	8.18	3.03	42.38	30	12.38	0.88			30.00	12.38	3.3	0.0	0.0	1.0		1/0
5	26.7	60	0.13	0.1	0.2	7.82	1.09	6.16	2.82	75.17	60.1	15.07	0.56			60.10	15.07	5.9	26.7	0.0	3.0		1/0
6	19.4	66	0.13	0.14	0.08	8.59	1.82	18.42	4.90	94.97	66.14	28.83	1.49			66.14	28.83	7.4	19.4	0.0	2.0		1/0
7	5.5	32	0.13	0.14	0.08	4.17	1.31	6.88	8.09	44.50	32.14	12.36	2.25			32.14	12.36	3.5	5.5	0.0	0.0		
8	4.7	18	0.13	0.05	0.2	2.35	0.22	11.1	6.75	31.72	18.05	13.67	2.91	1.11	5.21	23.26	8.46	2.5	4.7	0.0	0.0		
Unit Total	89.6	273		17.43		38.37	22.04	22.04	4.16	418.88	290.43	128.45			18.0	308.43	110.45	6.0	73.1	0.0	8		
Item 3																							
9	2.5	17	0.13	0.05	0.2	2.22	0.1	2.15	8.61	21.52	17.05	4.47	1.79			17.05	4.47	1.7	0.0	2.5	0.0		
10	2.4	12	0.13	0.1	0.12	1.57	0.28	8.59	9.39	22.54	12.1	10.44	4.35	2.55	6.12	18.22	4.32	1.8	0.0	2.4	0.0		1/0
11	23.3	59	0.13	2	0.13	7.93	4.76	14.41	3.78	88.10	61	27.10	1.16			61.00	27.10	6.9	0.0	0.0	0.0		1/0
12	3.5	6	0.13	0.15	0.2	0.81	0.45	1.51	2.55	8.92	6.15	2.77	0.79			6.15	2.77	0.7	0.0	0.0	0.0		1/0
13	18.2	11	0.15	14	0.18	4.17	5.91	14.4	2.72	49.48	25	24.48	1.35			25.00	24.48	3.9	0.0	0.0	0.0	18.2	1/0
14	31.2	12	0.15	22	0.18	5.76	9.54	17.44	2.14	66.74	34	32.74	1.05			34.00	32.74	5.2	0.0	0.0	0.0	31.2	1/0
15	14.2	71	0.14	0	0.46	9.94	10.85	25.75	8.28	117.54	71	46.54	3.28	1.48	20.98	91.98	25.56	9.2	14.2	0.0	1.0		1/0
16	101.8	15	0.15	36	0.18	8.73	13.97	9.4	0.82	83.10	51	32.10	0.32			51.00	32.10	6.5	0.0	0.0	2.0	101.8	1/0
17	50.9	3	0.18	37	0.18	7.20	14.93	6.44	1.35	68.57	40	28.57	0.56			40.00	28.57	5.4	0.0	0.0	2.0	50.9	
18	65.4	58	0.15	37	0.19	15.73	18.67	25.8	2.37	155.20	95	60.20	0.92			95.00	60.20	12.1	20.0	0.0	0.0	45.4	
19	25.7	0.29	0.27	21	0.19	4.07	6.79	4.52	1.43	36.67	21.29	15.38	0.60			21.29	15.38	2.9	0.0	0.0	2.0	25.7	
20	13.7	19	0.15	14	0.19	5.51	5.98	7.01	3.76	51.50	33	18.50	1.35			33.00	18.50	4.0	0.0	0.0	1.0		
21	14.2	58	0.14	3	0.19	8.69	9.63	17.39	6.81	96.71	61	35.71	2.51	0.71	10.15	71.15	25.56	7.6	0.0	0.0	0.0		
Unit Total	367	341.29		186.3		82.33	101.86	154.81	2.36	866.59	527.59	339.00				564.84	301.75	9.7	34.2	4.9	8.0	255	
Item 4																							
25	8.9	17	0.15	3	0.2	3.15	1.78	2.44	3.08	27.37	20	7.37	0.83	0.00	0.00	20.00	7.37	2.1	0.0	0.0	1.0		
26	55.7	105	0.15	16	0.15	18.15	19.42	33.49	3.45	192.06	121	71.06	1.28	0.00	0.00	121.00	71.06	15.0	0.0	0.0	1.0	55.7	0/1
27	11.5	31	0.14	7	0.2	5.74	5.08	12.43	5.33	61.25	38	23.25	2.02	0.00	0.00	38.00	23.25	4.8	11.5	0.0	0.0		
28	34.6	16	0.15	25	0.19	7.15	6.51	13.73	1.98	68.39	41	27.39	0.79	0.00	0.00	41.00	27.39	5.3	34.6	0.0	0.0		
29	19.4	1	0.35	10	0.2	2.35	1.19	5.45	1.03	19.99	11	8.99	0.46	0.00	0.00	11.00	8.99	1.6	0.0	0.0	0.0	19.4	
30	49.9	7	0.17	43	0.2	9.79	10.51	19.86	1.81	90.16	50	40.16	0.80	0.00	0.00	50.00	40.16	7.0	0.0	0.0	0.0	49.9	1/0
Unit Total	206.1	237		113		46.33	54.96	100.53	2.68	459.22	350	109.22				0.00	281.00	6.6	46.1	0.0	2.0	125.0	
Item 5																							
22	16.2	154	0.14	4	0.17	22.24	23.02	40.06	15.02	243.32	158	85.32	5.27	3.47	56.16	214.16	29.16	19.0	0.0	16.2	0.0		1/0
23	49.9	110	0.15	0	0.21	16.50	16.42	19.26	3.25	162.18	110	52.18	1.05	0.00	0.00	110.00	52.18	12.7	0.0	16	0.0		1/0
24	31.7	131	0.14	5	0.22	19.44	19.94	36.7	6.69	212.08	136	76.08	2.40	0.60	19.02	155.02	57.06	16.6	0.0	0	1.0		
31	26.1	60	0.15	9	0.2	10.80	10.47	13.13	3.96	103.40	69	34.40	1.32	0.00	0.00	69.00	34.40	8.1	26.0	0	1.0		
Unit Total	123.9	455		18		68.98	69.85	109.15	5.82	720.98	473	247.98			75.18	548.18	172.80	4.7	26.0	32.2	2.0	0.0	
Item 6																							
32	8.3	45.1	0.28	0	0	12.71	2.9	4.11	7.81	64.82	45.1	19.72	2.38	0.58	4.78	49.88	14.94	5.1	7	1	0		1/0
33	34.2	208.7	0.28	0	0	60.60	13.3	66.3	10.20	348.90	208.7	109.53	3.20	1.40	47.97	256.67	61.56	27.3	0	2	0		1/0
34	47.1	270.7	0.28	0	0	83.35	17.3	9.21	8.08	380.56	270.7	109.86	2.33	0.53	25.08	295.78	84.78	29.7	36	2	0		1/0
35	24.3	160.5	0.28	0	0	50.60	11.5	19.19	10.77	261.79	180.5	81.29	3.35	1.55	37.55	218.05	43.74	20.5	20	2	0		
36	20.2	238.33	0.28	0	0	71.00	16	6.4	16.42	331.73	238.33	93.40	4.62	2.82	57.04	295.37	36.36	25.9	18	2	0		
37	23.2	70	0.28	0	0	19.67	4.55	12.71	4.61	106.93	70	36.93	1.59		0.00	70.00	36.93	8.4	19	2	0		0/1
38	20.5	138.2	0.28	0	0	40.18	8.8	13.93	9.81	201.11	138.2	62.91	3.07	1.27	26.01	164.21	36.90	15.7	19	2	0		
39	10.5	74.16	0.28	0	0	20.76	15.6	1.31	10.65	111.83	74.16	37.67	3.59	1.79	18.77	92.93	18.90	8.7	0		10		
Unit Total	188.3	1225.69		0	0	358.87	89.95	133.16	9.60	1807.67	1225.69	581.98			217.20	1442.89	334.11	25.9	119	13	10	0.0	
Total	974.9	2531.98		316.73		594.88	338.66	519.69	4.41	4273.3	2866.71	1406.63			658.01	3145.3	1097.3	52.9	298.4	50.1	28.0	380.0	

