GOVERNMENT FOREST PRODUCTS SALE

INVITATION FOR BIDS NO. W9127S-21-B-21975

November 16, 2020

Sealed bid subject to the terms and conditions set forth in the Invitation for Bids, for the purchase and removal of the Government-owned property listed in this notice to bidders, will be received until the time, date, and at the place indicated below, and then publicly opened.

<u>FOREST PRODUCTS:</u> Hardwood, Pine and Red Cedar Timber (Pay-as-Cut)

TIME OF OPENING: 1:00 P.M., LOCAL TIME @ PLACE OF BID OPENING

DATE OF OPENING: 15 December 2020

PLACE OF OPENING: Dewey Short Visitor Center

4500 State Highway 165, Branson, Missouri

BID DEPOSIT: 20% of total amount of bid

EXPIRATION DATE: March 15, 2021

Inspection invited between 8:00 a.m., and 4:00 p.m., Monday through Friday, excluding holidays. Arrange inspection with the Project POC: Mr. Jeremy Rasnick, Natural Resource Specialist, Table Rock Lake, telephone number (501) 340-1948. Bidders are required to call 48 hours in advance of the desired time for inspection.

<u>Issued by:</u> Table Rock Lake, U.S. Army Corps of Engineers

Address: 4600 State Highway 165, Branson, Missouri 65616-8980

Property located at: Cow Creek WMA - Table Rock Lake, Missouri

US ARMY CORPS OF ENGINEERS Little Rock District

SALE OF GOVERN	MENT FOREST PRODUC	TS	INVITATION FOR BIDS 1	NO. PAGE
	AND AWARD	10	W9127S-21-B-21975	2
BID			DATE OF BID	<u> </u>
(This Section to be comp	leted by the Bidder)			_20
(This Section to be comp In compliance with the Invitation contained in Instructions to Bidd of which are incorporated as part calendar days after date of Bid of and to remove the property and p Government. The total amount be Bid deposit in the form of All bidders should complete the "Ce made a part of every Invitation to Bit to properly execute this certificate with Government. Refusal or delay in	identified on the cover page ers, General Sale Terms and of this Bid, the undersigned bening, to purchase and pay ferform the other required would is \$	Condition offers a for any ork as special status and time toper status.	ions, and Special Sales Terms and agrees, if the Bid be accepted or all of the items listed for sale pecified herein, after notice of a Attached, in the amount of \$ Attached to the same and the same are the same and the same are the same and the same are the same	s and conditions and Conditions, all d within 60 on Item Bid Page exceptance by the ed is the required be completed and on or more. Failure id is accepted by
certificate is a criminal offense puni both. (Title 15, United States Code, i		n \$5,000	0 or imprisonment for not more tha	n two years, or
	CERTIFICATE AS TO SMA	ALL BU	SINESS STATUS	
The bidder certifies that he [(is) / In sales of Government-owned fores products industry: (2) is independent affiliates does not employ more than	t products a "small business" is ely owned and operated: (3) is n	a conce	ern that: (1) is primarily engaged in	the logging or forest
NAME AND ADDRESS OF BIDDER (STR (TYPE OR PRINT)	EET, CITY, STATE, AND ZONE)		TURE OF PERSON AUTHORIZE	
TELEPHONE NUMBER:		SIGNE	R'S NAME AND TITLE (Type or	print)
	CORPORATE C	ERTIF	ICATE	
I.	· · · · · · · · · · · · · · · · · · ·			of the corporation
I,			TTLE), who signed this contract on	
Purchaser was then	(Name)	of said a	cornoration: that said contract w	as duly signed for
Purchaser, was then and in behalf of said corporation				
and in behalf of said corporation	T by authority of its governing	g body,	, and is within the scope of its co	orporate powers.
	Signat	ture	(CORPORATE SEAL)
ACCEPTANCE BY THE (This Section for Govern			DATE OF ACCEPTANCE	
ACCEPTED AS TO ITEMS NUME	BERED		UNITED STATES OF AMERICA	1
ITE	M # 1		BYPaula S. Johnson-Muic	
TOTAL AMOUNT \$	CONTRACT NUMBER		TITLE OF CONTRACTING OFF Chief, Real Estate, Southwestern I Real Estate Contracting Officer	ICER

PRODUCTS		INVITATION FOI W9127S-21-B-	PAGE 3			
				TO BE SUPPI	IED BY BI	DDER
					TOTAL PRIC	E BID
ITEM NO.	PRODUCTS FOR SALE (Pay-as-Cut)	QUANTITY (No. of Units)	UNIT OF MEASURE		DOLLARS	CENTS
1.	Pine Sawtimber	292,900	Bdft Doyle Rule	\$	\$	
	Oak and Misc Sawtimber	32,100	Bdft Doyle Rule	\$	\$	
	Hardwood Pulpwood	62	Tons	\$	<u>\$</u>	
	Pine and Red Cedar Pulpwood	277	Tons	\$	_\$ <u></u>	
	*Volumes are an estimate and are not guaranteed.				D	
	TOTAL BID				\$	

NOTICE TO BIDDERS:

- (1) No bid will be considered unless it is accompanied by a deposit not less than twenty (20) percent of the total bid price for all items. Such guaranty must be in the form of cashier's check, money order, or other form of payment not subject to stoppage or revocation, made payable to FAO, Little Rock District. PERSONAL CHECKS ARE NOT ACCEPTABLE. The deposits of unsuccessful bidders will be returned to them as soon as practicable after the bids have been opened and the awards made. The deposit of the successful bidder will be retained by the Government and applied in full as the initial payment.
- (2) For selective thin/marked timber, on 66 acres (Cow Creek Wildlife Management Area) and an adjoining 4 acre visual buffer area, it is recommended that the bidder physically inspect the timber to satisfy their needs. Payments are based on the weekly report of scale/weight tickets as furnished by the purchaser.
- (3) Consists of areas at Table Rock Lake, Missouri. There is a total of approximately 70 acres to be selectively thinned with marked timber. Harvest boundaries are marked with orange flagging. The visual buffer area is marked with blue and white flagging. All merchantable hardwood trees for harvest in Item 1 have been marked with blue paint at eye level and below stump level. All unmarked pine and red cedar trees six (6) inches DBH and larger are to be cut and removed. All these designated trees, and only these designated trees will be cut and removed by the purchaser. **Pine trees marked with a white paint band are NOT to be cut.** Unless otherwise directed by the Project POC, residual logging slash and debris is to be spread and scattered throughout the harvest area, not to exceed 36 inches above the ground.
- (4) All work will be done Monday-Friday between the hours of 0700-1630. Work shall not be performed on Saturdays, Sundays, or Federal holidays, except as approved in advance by the Table Rock Project Office. The purchaser agrees to cut and remove from the sale area all timber designated for harvest under this sale agreement on or before **March 15, 2021**.
- (5) Conversion factors to be used for calculating damage assessments: All Sawtimber 8 tons/MBF (Doyle Scale) Pine/Cedar Pulpwood 2.9 tons/cord Hardwood Pulpwood 2.7 tons/cord

ı		
ı	BIDDER IS CAUTIONED TO INSPECT THE PROPERTY	NAME OF BIDDER (Type or print)
ı		TWINE OF BIBBER (Type of print)
ı		
ı		
ı		
ı		

CONTENTS

I. SPECIAL SALES, TERMS AND CONDITIONS	
1. Description of Sale	5
2. Material Not Utilized	5
3. Specific Provisions	5
II. INSTRUCTIONS TO BIDDERS	
1. Invitation, Bid and Acceptance	5
2. Condition of Property	6
3. Submission of Bids	6
4. Bid Opening	7
5. Liability	7
6. Sale of Property to Employees and Military or Contract Personnel	7
7. Notice of Action	8
8. Modification of Contract	8
9. Bid Deposit	8
10. Performance Deposit or Bond	8
III. GENERAL SALE TERMS AND CONDITIONS	
1. Real Estate Contracting Officer	9
2. Project Point of Contact (POC)	9
3. Marking Procedures	9
4. Merchantability and Utilization	9
5. Commencement	10
6. Schedule of Harvesting and Completion	10
7. Extension of Time	11
8. Payment	11
9. Reports	11
10. Payment Remittance	12
11. Inspections	12
12. Order of Logging	12
13. Methods of Logging	13
14. Slash Disposal	13
15. Stump Heights	13
16. Sawmills	13
17. Vehicle Use	13
18. Protection of Facilities and Roadways	14
19. Protection of Environment and Cultural Resources	15
20. Safety Regulations	16
21. Fire Suppression	16
22. Termination for Default	16
23. Liquidated Damages	17
24. Termination for Convenience	18
25. Disputes Clause	18
26. Gratuities	18
27. Non-discrimination in Employment	19

PAGE 5 of Invitation for Bid

I. SPECIAL SALES, TERMS AND CONDITIONS

1. Description of Sale:

IFB No: W9127S-21-B-21975

- a. Item 1 timber offered for sale (pay-as-cut) is on a portion of Table Rock Lake, Missouri. For selective thin/marked timber, on 66 acres (Cow Creek Wildlife Management Area) and an adjoining 4 acre visual buffer area. NO trees are to be removed from the visual buffer area unless specifically marked and directed by the Project POC. The areas are owned by the Government in fee simple.
- b. Estimated volumes for Item 1: 292,900 Bdft Doyle Rule of Pine Sawtimber, 32,100 Bdft Doyle Rule of Oak and Miscellaneous Sawtimber, 62 Tons of Hardwood Pulpwood and 277 Tons of Pine Pulpwood. Harvest boundaries are marked with orange flagging. All merchantable hardwood trees in Item 1 have been designated with blue paint at eye level and blue paint below stump level. Unmarked pine and red cedar trees six (6) inches DBH and larger are to be cut and removed. All designated trees, and only designated trees, will be cut and removed by the purchaser. **Pine trees marked with a white paint band are NOT to be cut.** Estimated volumes do not include timber marked within the visual buffer area.
- 2. Material Not Utilized: The volume of merchantable material from designated trees uncut or from designated trees cut, or tops, chunks, long butts, trees broken or split by felling or otherwise, which are not utilized, will be determined through tree estimate, scaling or measurement, and the purchaser billed thereto in accordance with the terms of the contract, unless the leaving of such material is justified as may be determined by the Real Estate Contracting Officer.
- **3. Specific Provisions:** A pre-work meeting is required before the start of harvesting. Loading decks will be located and agreed upon between the Project POC and the purchaser prior to harvest operations commencing. Unless otherwise directed by Project POC, residual logging slash and debris is to be spread and scattered throughout the harvest area, not to exceed 36 inch height. Timber harvesting shall be performed in a manner to minimize soil erosion and rutting. The purchaser shall be required to restore ruts when the average rut depth exceeds six (6) inches over a distance of more than 30 linear feet.

II. INSTRUCTIONS TO BIDDERS

1. Invitation, Bid and Acceptance:

- a. This invitation, bid and acceptance shall constitute the entire sale agreement between the purchaser and the Government.
- b. The Government may accept or reject any item of any bid unless such bid is qualified by specific limitations. The right is reserved, as the interest of the Government may require, to reject any and all bids, and to waive any defect or informality in bids received. All bids submitted shall be deemed to have been made with full knowledge of all the terms, conditions, and requirements contained herein. All bids received may, at the option of the Government, remain open for acceptance or rejection for a period of 30 days from the date of opening bids. Bids may be withdrawn on written or telegraphic requests received from bidders prior to the time fixed for opening. Negligence on the part of the bidder in preparing his bid confers no right for the withdrawal of the bid after it has been opened.

IFB No: W9127S-21-B-21975 PAGE 6 of Invitation for Bid

c. Volumes are not guaranteed. The bidders are invited, urged, and cautioned to inspect the property to be sold prior to submitting a bid. Property is available for inspection during the times and through arrangements made as specified on the cover sheet of this invitation. In no case will failure to inspect constitute grounds for the withdrawal of a bid after opening.

2. Condition of Property:

The property is offered for sale "as is" and "where is" with the bidder being obligated and responsible to provide at his sole expense and without any cost whatsoever to the Government all labor, equipment, materials, and supplies required to harvest and remove the forest products involved. The description of the property is believed to be sufficiently specific for purposes of identification. Any error or omission in the description (including location) shall not constitute any ground or reason for non-performance of the contract or claim by the successful bidder for any allowance, refund or deduction from the amounts offered. The Government does not make any guarantee or warranty, expressed or implied, with respect to the property as to quantity, quality, character or condition, size or kind; or that the property is in a condition or fit to be used for the purpose for which intended. The purchaser acknowledges that he has satisfied himself as to the location, field conditions, and volume of forest products to be removed from the designated area(s). This contract shall be construed to have the intent of covering all the designated forest products of the specified species and sizes on the area and as described herein and shall include all such forest products, whether less than, equal to, or in excess of the estimated volume or quantity stated.

3. Submission of Bids:

- a. Sealed bids must be submitted on the bid form accompanying this invitation for bids and specifications of sale, or on exact copies thereof. Invitation and bid forms, or any additional information pertaining thereto, may be obtained from the Real Estate Contracting Officer Little Rock District, Corps of Engineers, Post Office Box 867, Little Rock, Arkansas 72203, Attention: CESWL-RE-M Jeremy Thomason, 501-340-1324.
- b. Bid deposits and original bid sheets should be delivered by mail to the address below. Bids which are mailed must arrive no later than 3:00 P.M., local time on December 14, 2020, the day before the bid opening. Bids may also be hand delivered to the bid opening site the day of the bid opening. Bid deposits will be held until such time as the successful bidder has been selected. All bids shall be sealed in an envelope until such time as the bid opening time has occurred. Envelopes should be marked and addressed as follows:

RETURN ADDRESS:

TO:

SEALED BIDS TO BE OPENED Invitation No. W9127S-21-B-21975 Date: December 15, 2020

Date. December 13, 2020

Time: 1:00 P.M.

US ARMY CORPS OF ENGINEERS Chief, Real Estate Division, Little Rock, District US Army Corps of Engineers ATTN: CESWL-RE-M P.O. Box 867 Little Rock, Arkansas 72203-0867 IFB No: W9127S-21-B-21975 PAGE 7 of Invitation for Bid

c. Bidders may also submit sealed bids to bid opening officials at the place of bid opening, as shown on front cover of this invitation, immediately prior to the bid opening.

4. Bid Opening:

- a. It will be the duty of each bidder to see that his bid is delivered by the time and at the place described in this invitation. Bids in properly marked envelopes, as required above, received prior to the time for opening will be securely kept, unopened, until the time for opening bids. The person whose duty it is to open them will decide when the specified time has arrived and no bid, modification of a bid, or withdrawal of a bid received thereafter will be considered, except that those received before award is made, but delayed in the mail by occurrences beyond control of the bidder, may be considered if written certification is furnished by authorized postal authorities to that effect. No responsibility will attach for the premature opening of a bid not properly addressed and identified. All modifications of bids or withdrawals of bids must be in writing. Telegraphic bids will not be considered, but telegraphed modifications or withdrawals of bids already submitted will be considered if received prior to the time set for opening bids.
- b. At the time fixed for the opening of bids, their contents will be made public by announcement for the information of bidders and others, provided that any information submitted in support thereof, the disclosure of which might tend to subject the person submitting it to a competitive business disadvantage, will be held in strict confidence by the United States, if requested by the bidder.
- c. The Real Estate Contracting Officer reserves the right, subsequent to opening the bids, to require a showing by the successful bidder of his experience and facilities to perform the operation in a satisfactory manner.
- d. The bid opening will be held at the Dewey Short Visitor Center, 4600 State Highway 165, Branson, Missouri 65616-8980. Bids may be hand delivered the day of the bid opening to the bid opening site. Bids must be delivered prior to the bid opening time.
- **5. Liability:** The purchaser assumes all responsibility and liability for all injuries to persons or damages to property directly or indirectly due to or arising out of the operations conducted under this sale agreement, and the purchaser agrees to indemnify and save harmless the United States against any and all claims of whatsoever nature and kind due to or arising out of this sale agreement.

6. Sale of Property to Employees and Military or Contract Personnel:

- a. The sale of Government property to officials and employees of the Department of Defense and officers and enlisted men, including an agent, employee, or member of the immediate family of such personnel, whose duties include any functional or supervisory responsibility for or within the Army Real Property Disposal Program, will not be made.
- b. The sale will not be awarded to any person or organization, including partnerships, who have had any determination in the timber to be harvested. This includes any individual or company that has contracted with the Government for the marking of the timber in the sale area.

IFB No: W9127S-21-B-21975 PAGE 8 of Invitation for Bid

7. Notice of Action: Notice of acceptance or rejection of bids, notice of authority to proceed with removal of the purchased property, and any other notices hereunder shall be deemed to have been sufficiently given when telegraphed or mailed to the bidder, or his duly authorized representative, at the address indicated in the bid.

8. Modification of Contract:

- a. This invitation for bids, including all the instructions, terms, and conditions set forth herein, and the bid, when accepted by the Government, shall constitute the contract of sale between the successful bidder and the Government. Such agreement shall constitute the whole sale agreement, unless modified in writing and signed by both parties except as provided otherwise herein. No oral statements or representations made by, for, or ostensibly on behalf of, either party shall be part of such agreement.
- b. The sale agreement resulting from this invitation may be transferred in whole or in part if approved in writing by the Real Estate Contracting Officer. Subcontracting of the operations is permissible and such subcontracting shall not be regarded as a transfer of the sale agreement. Subcontracting of the operations shall not relieve the purchaser of any responsibility or liability with respect to any of the terms and conditions imposed herein.
- **9. Bid Deposit:** No bid will be considered unless it is accompanied by a deposit in the amount of twenty (20) percent of the total bid for Item 1. Such guaranty shall be in the form of a cashier's check, money order, or other form of payment not subject to stoppage or revocation, made payable to the FAO, Little Rock District. **PERSONAL CHECKS ARE NOT ACCEPTABLE.** The deposits of unsuccessful bidders will be returned to them as soon as practicable after the bids have been opened and the awards made.
- 10. Performance Deposit or Bond: Within ten (10) days of notice of acceptance, the successful bidder will be required to submit a performance deposit to the Real Estate Contracting Officer, made payable to the FAO, Little Rock District, in the amount of \$5,000.00, or 10% of the total bid, whichever is greater, for Item 1. Such guaranty shall be in the form of a cashier's check, money order, or other form of payment not subject to stoppage or revocation. PERSONAL CHECKS ARE NOT ACCEPTABLE. The deposit as shown will be held by the Government until completion of the operations, to be applied against (1) the amount of any damage caused by failure of the purchaser to observe fully all conditions of the agreement and (2) any costs, damages, or expenses which the Government may incur by reason of default or breach of any terms, provisions, conditions, or obligations on the part of the purchaser. The amount so deposited shall not be construed as being the maximum amount of the purchaser's obligations in the event the Government is damaged in excess of such amount. Any balance of said deposit remaining after the purchaser's obligations under the agreement have been fulfilled shall be repaid. In lieu of a cash performance deposit, the purchaser may furnish a performance bond, with a surety approved by and in a form acceptable to the said Real Estate Contracting Officer, the penal sum of such bond to be the total of performance deposits provided for above. U.S. Standard Form 25 may be used for this purpose.

IFB No: W9127S-21-B-21975 PAGE 9 of Invitation for Bid

III. GENERAL SALE TERMS AND CONDITIONS

1. Real Estate Contracting Officer: The term "Real Estate Contracting Officer" as used herein means the person executing this contract on behalf of the Government and includes any duly appointed successors or authorized representative.

2. Project Point of Contact (POC): The term "Project POC" as used herein means the person in charge of the Project's forestry related activities and includes any duly appointed representatives having as their responsibility forest protection and forest management. Operation's District Forester is available to provide assistance as needed.

3. Marking Procedures:

- a. All merchantable hardwood trees for harvest have been marked with blue paint at eye level and below stump level. All unmarked pine and red cedar trees six (6) inches DBH and larger are designated for harvest. All these designated trees and only these designated trees, will be cut (felled) and removed by the purchaser, regardless of his desire to harvest other trees. Pine trees marked with a white paint band are NOT to be cut. No trees should be cut from the visual buffer area unless directed by the Project POC.
- b. The purchaser is prohibited from bringing onto the reservation, or having in his possession while on said reservation, marking hammers, paint or equipment for painting, or any other equipment similar to that used by the Government in the marking of trees, logs, or bolts.
- c. The purchaser accepts the marking as final, except that, by mutual agreement between the Real Estate Contracting Officer and the purchaser, changes in the marking can be made by marking additional trees or removing the marks from trees already marked when such changes are clearly the result or errors or omissions in the original marking. Trees to be removed in the construction of logging trails and loading points, and trees damaged in logging, will be marked or designated for cutting as needed.

4. Merchantability and Utilization:

- a. Trees and timber products cut from those trees which equal or exceed the specifications set forth below are considered merchantable and will be cut and merchandised for the highest valued product possible. Tops resulting from the harvest of pine sawtimber trees, which are within the merchantability specifications, will be utilized as pulpwood.
- b. The log length shall be varied so as to secure the greatest and highest valued utilization of merchantable material. On pine trees, where limbs are in whorls and the collective diameter of limbs (within a distance of 12-inches on the stem for pine) is greater than the diameter inside bark at that point, the tree may be topped below the whorls of limbs rather than at the specified diameter.
- c. Pulpwood trees shall be utilized from 6-inch DBH to a 4-inch top diameter inside bark. Pine Sawtimber trees shall be utilized from 10-inch minimum DBH to an 8-inch top diameter inside bark and the remainder of the merchantable tree top utilized as pulpwood. Hardwood Sawtimber trees shall be

IFB No: W9127S-21-B-21975

utilized from 12-inch minimum DBH to a 10-inch top diameter inside bark and the remainder of the merchantable tree top utilized as pulpwood. Logs will be cut at a minimum length of 8 feet for sawtimber and 20 feet for pulpwood.

5. Commencement: The purchaser shall start work, after receipt of authorization to proceed, at such a time agreeable to the Contracting Officer and Project POC, and shall prosecute the work, or any separable portion thereof, with such diligence as will ensure its completion within the time specified.

6. Schedule of Harvesting and Completion:

- a. The purchaser agrees to cut and remove from the sale area all timber designated for harvest under this sale agreement on or before **March 15, 2021**.
- b. Pulpwood harvest will follow the sawtimber harvesting as closely as possible without endangering workers, but in no case more than 20 cutting days behind sawtimber harvest, unless otherwise directed by the Real Estate Contracting Officer.
- c. The Real Estate Contracting Officer may suspend or stop logging operations due to specific legal requirements concerning the protection of Endangered Species (plant or animal) and/or Cultural/Historical Resources within the sale area; and if so curtailed or stopped no adjustment in quantity of timber to be harvested, nor the contract price to be paid for the timber left to be harvested shall be made.
- d. Timber harvesting operations may be curtailed by the Real Estate Contracting Officer during rainy seasons to prevent damage to the Project's road and drainage systems.
- e. Harvesting operations will be permitted from 0700 to 1630 hours, five days per week (Monday through Friday, excluding holidays), unless otherwise authorized by the Real Estate Contracting Officer. At the discretion of the Real Estate Contracting Officer or Project POC, harvesting operations may be limited to certain hours of the day due to special circumstances.
- f. Upon request of the Real Estate Contracting Officer, the purchaser will furnish information as to the percentage of completion of each phase of the sale agreement.
- g. Upon completion of the harvesting operations, the purchaser will contact the Real Estate Contracting Officer to arrange for a joint site inspection to determine whether the terms of the contract have been satisfactorily completed.
- h. Following any extended period where equipment is removed or cessation of logging occurs the contractor shall notify the Project POC of his intention to resume harvesting operations.
- i. The contractor will be required to cut the designated timber stands in a progressive manner. Once harvesting operation commences in a particular block, work will continue until completed or discontinued due to adverse weather conditions. The contractor will make every effort to cut the designated stands by **March 15, 2021**.

IFB No: W9127S-21-B-21975

- 7. Extension of Time: The Real Estate Contracting Officer may, by a change order or letter, extend the time allocated for removal, if justified by one or more of the following reasons:
- a. Days lost by the purchaser due to stoppages or temporary suspensions ordered by the Real Estate Contracting Officer or his duly authorized representative, except when the stoppage or suspensions are ordered because of the purchaser's failure to comply with the provisions of the contract;
- b. Labor disputes or catastrophic events beyond the purchaser's control. The purchaser shall notify the Real Estate Contracting Officer as soon as practical after such a delay begins. Delays resulting from weather will not normally be justification for extensions of time;
- c. When the total volume of the forest products designated for removal exceeds the estimated volume advertised, the time allocated for removal may be extended for an equitable period based upon the minimum weekly production required to complete the removal of the original estimated contract volume within the original allocated time;
- d. When purchaser desires an extension of time for his own convenience, provided: (1) the purchaser obtains concurrence for the delay from any sawtimber or pulpwood purchaser also in the sale area(s); (2) the Real Estate Contracting Officer determines that the extension will not endanger final required Project deadlines; (3) the monetary consideration due the Government for such extensions shall be a sum equal to one (1) percent per month of the value of the estimated timber remaining unharvested, or a minimum charge of \$100, whichever is greater; and (4) each request of the purchaser for a time extension must be in writing and must be received by the Real Estate Contracting Officer at least 10 days prior to the specified expiration date.
- **8. Payment:** On unit price sales the purchaser agrees to make advance payments for forest products as follows: (1) For contracts of \$1,000 or less, the balance of the estimated purchase price is required. (2) For all other contracts, \$1,000 or 20 percent of the estimated purchase price, whichever is greater, is required. The remainder will be paid as requested by the Real Estate Contracting Officer, having as an objective that the amount paid shall at all times be the equivalent of at least 20 percent more than the value of forest products cut. Any surplus funds to the purchaser's credit upon completion of removal operations, as required under the terms of the contract, will be refunded to the purchaser.

9. Reports:

a. When required, the purchaser shall mail or deliver to the Real Estate Contracting Officer, by no later than Saturday of each week, a summary report or statement(s) showing the timber harvested from each cutting unit from which the timber was removed during the preceding week. The report will reflect the volume of sawtimber and pulpwood harvested, together with weight ticket substantiating the report. If the summary report(s) and substantiating tickets or consumer receipts are not promptly received by the date indicated above, all operations under the contract may be suspended until the above data is received.

b. Prior to commencement of logging operations on Pay-As-Cut contracts, the timber purchaser will be issued a USACE Load Ticket booklet and will be responsible for correctly recording load and mill/delivery information for every load of timber at the time it leaves the harvest area, as required by the Real Estate Contracting Officer. A load ticket consists of two parts with the same unique load number printed on each. The upper portion will remain in the bound ticket booklet, while the lower portion will be removed at the perforation and accompany the load to the mill/delivery destination. The lower portion will be retained after delivery, attached to a copy of the corresponding mill scale ticket, and accumulated by the purchaser. Periodically as determined by the Real Estate Contracting Officer, the accumulated combined tickets will be turned in to USACE, reconciled with the bound portions remaining in the USACE ticket booklet, and the purchaser billed for the delivered loads. The purchaser will be held responsible for all USACE load tickets issued to him/her and each ticket will be regarded as representing an undelivered load of timber until it has been accounted for in the manner prescribed. The USACE ticket booklet will be kept by the purchaser at the loading area and will be available for review and reconciliation at any time by the Real Estate Contracting Officer or designated Project POC. The purchaser will be held responsible for any missing tickets, ticket portions, or any other discrepancies discovered between USACE and mill tickets and billed accordingly.

10. Payment Remittance: All payments shall be made by certified check, cashier's check, bank draft, postal or express money order, payable to the FAO, Little Rock District. Billing payments will be remitted within ten (10) days of the date of the billing directly to the Real Estate Contracting Officer, Little Rock District, Corps of Engineers, Attention: CESWL-RE-M, P.O. Box 867, Little Rock, Arkansas 72203-0867. Envelopes containing reports or payments will be conspicuously marked in the lower left corner as follows:

TO BE OPENED ONLY IN M&D BRANCH, REAL ESTATE DIVISION

11. Inspections: The purchaser's harvesting operations covered by this sale agreement and all books and records relating thereto shall be open to inspection at any time by the Real Estate Contracting Officer with the understanding that the information obtained shall be regarded as confidential. When cutting, logging or other operations under this sale agreement are in progress, the purchaser shall have a representative authorized to receive, on behalf of the purchaser, any notices and instructions given by the Real Estate Contracting Officer in regard to performance under this sale agreement and to take such action thereon as is required by the terms of this sale agreement.

12. Order of Logging:

a. The order of logging will be designated by the Real Estate Contracting Officer. Purchaser's proposal for sequence of cutting will be considered. All timber to be cut will be harvested and removed and all phases of operations completed within the assigned logging unit or area prior to commencement of operations in another logging unit. From time to time, due to certain activities or weather conditions, the order of logging may be realigned by the Real Estate Contracting Officer. Operations under this sale agreement will be conducted in a manner that will not interfere with timber harvesting operations under another sale agreement.

IFB No: W9127S-21-B-21975 PAGE 13 of Invitation for Bid

b. No cut trees or tops will be left hanging in residual trees. All leaning, broken topped or splintered trees, within view of any road or fire lane, will be felled or pushed down by the contractor.

c. Unless they are an imminent safety hazard to the contractor, dead snags will be left standing for wildlife and Endangered Species habitat.

13. Methods of Logging:

- a. Loading decks will be located and agreed upon between the Project POC and the purchaser prior to harvest operations commencing. The purchaser will be allowed to bank logs in areas designated by the Project POC.
- b. So far as practicable, trees shall be felled in a direction with reference to skid roads which will facilitate skidding and result in minimum damage to young growth and the residual stand. No swamping or cutting of young tree growth to clear ground for skidding shall be done except at the landings.
- c. Tractors shall be turned around in openings and backed to the load. Tractors shall not be driven through groups of reproduction where it can be avoided, nor shall they be driven across from one tractor road to another, regardless of whether they are empty or loaded.
- d. Logging may be done by means of mechanical harvesters, including feller-bunchers and clippers, as long as the use of a given piece of equipment does not excessively damage residual trees. Tree length or log length harvesting may be used. Prior approval by the Real Estate Contracting Officer is required before the use of limbing gates or mechanical means for delimbing or debarking the harvested timber. The successful bidder shall provide the Real Estate Contracting Officer or Project POC a list of type and size of all equipment to be used on the sale area at the pre-work conference.
- **14. Slash Disposal:** Unless otherwise directed by Project POC, residual logging slash and debris is to be spread and scattered throughout the harvest area. All debris must be removed from roads, ditches, drainage, fire lines, and mowed areas and slashed so as not to exceed a height of 36 inches above the ground.
- 15. Stump Heights: Stumps shall be cut as low as practical, but in no case lower than the painted "painted stump spot", nor higher than six (6) inches above the ground line on the highest side, unless exempted by the Real Estate Contracting Officer. A damage may be assessed the purchaser for failure to cut stumps within the specified height. Stumps will not be disturbed or otherwise removed.
 - **16. Sawmills:** Purchaser shall conduct no sawmill operations on the Project.

17. Vehicle Use:

a. The purchaser shall submit a list of vehicles authorized to transport forest products to the Project POC prior to commencement of any removal operation required under this sale agreement.

IFB No: W9127S-21-B-21975 PAGE 14 of Invitation for Bid

b. All vehicles shall have a current inspection sticker, if one is required by the state in which the timber is being harvested. All internal combustion engines, saws, tractors, etc., will be required to have a muffler or spark arrester. Roadways damaged by overloaded trucks shall be promptly repaired by the purchaser. Haul trucks shall comply with the State of Missouri laws concerning insurance, weight, lights, and tie-down of loads.

c. Haul trucks will be routed only along designated roadways for harvest ingress and egress.

18. Protection of Facilities and Roadways:

- a. All utility lines, ditches, roads and shoulders, bridges, culverts, fences, gates and other facilities located within the Project, and specifically within the boundaries of the sale area, shall be protected and, if damaged, shall be repaired immediately by the purchaser. Subject to the approval of the Project POC, any utility lines may be moved from one location to another or specified trees which plainly endanger such lines may be left uncut. Roadsides and utility right-of-ways will not be used for skidding.
- b. Logging roads, trails and skid roads may be established when permitted in advance by the Real Estate Contracting Officer or Project POC. Upon completion of logging operations in any unit of the sale area, the purchaser shall, as soon as practical, perform such work as may be necessary to prevent soil erosion. Roads, trails, and designated fire lanes shall at all times be kept free of logs, brush, and debris resulting from the purchaser's operations. If disturbed, fire lines should be bladed to original condition. Skid lanes should be bladed and water barred for re-vegetation.
- c. Maximum utilization of existing gates, roadways, bridges, and fire lanes will be exercised by the purchaser. Only by special permission from the Real Estate Contracting Officer or Project POC when conditions warrant shall the purchaser be allowed to construct any roads or bridges on the premises. Truck or other vehicle routes to be followed by the purchaser in connection with the removal of the timber shall be first approved by the Real Estate Contracting Officer or Project POC. Restoration of the area to its previous condition where any new routes have been constructed by the purchaser may be required prior to expiration of the sale agreement.
- d. All logging roads, loading decks and primary skid trails must be approved by the Project POC or his representative in advance of construction. The improvement and use of access trails for logging operations may be authorized when permitted in advance by written approval from the Project POC.
- e. The drainage of streams, creeks and ditches will not be obstructed. All material placed in streams for temporary crossings will be removed before moving to another timber harvest area.
- f. All logging debris will be kept out of roadsides and mowed areas, unless approved by the Real Estate Contracting Officer or Project POC. All loading decks will be cleaned and greened up in accordance with the Real Estate Contracting Officer's or Project POC's instructions before moving to another timber harvest area.

IFB No: W9127S-21-B-21975 PAGE 15 of Invitation for Bid

g. **Buffer Zone.** A visual buffer area of approximately 4 acres has been established along MO Rt. 86 on the south boundary of the harvest area. The visual buffer area has been marked with blue/white flagging as indicated on the page 20. **NO trees should be removed from the buffer area unless specifically marked and directed by the Project POC.**

19. Protection of Environment and Cultural Resources:

- a. Purchaser's operations shall be conducted to minimize damage and pollution to stream courses within the sale area. Culverts or bridges shall be required at all crossing points and such facilities shall be of sufficient size and design to provide an unobstructed flow of water. When a stream is temporarily diverted by purchaser's operations, it shall be restored to the natural course as soon as practicable, but, in any event, prior to the season of major rainfall. All streams shall be cleared of debris, including felled trees, tops, and logs resulting from purchaser's operations. All stream crossings and operations in wetlands shall be in compliance with the mandatory best management practices for silviculture of Section 404 and 319 of the Clean Water Act of 1977. These requirements can be reviewed at the Project POC's or Real Estate Contracting Officer's Office.
- b. The purchaser shall be required to conform to applicable Federal, state, county, and local laws or regulations as necessary to prevent the pollution or degradation of environmental quality. Littering Government property with glass, metal, paper, plastic, oils, lubricants, fuels, detergents, or any other solid or liquid pollutants is prohibited. Pollution of the land and water in and around cutting units or areas used to gain access to these units may be cause for immediate suspension or termination of harvesting operations. Purchaser will have a spill kit on-site at all times during operation. Any oil or fuel spills occurring within the sale are should be immediately reported to the Project POC.
- c. The purchaser shall not remove or disturb, or cause or permit to be removed or disturbed, any historical, archeological, architectural or other cultural artifacts, relics, vestiges, remains or objects of antiquity. In the event such items are discovered in the sale area, the purchaser shall immediately notify the Real Estate Contracting Officer, and the site and the material shall be protected by the purchaser from further disturbance until a professional examination of them can be made or until clearance to proceed is authorized by the Real Estate Contracting Officer.
- d. The purchaser will adhere to all Missouri Best Management Practices for timber harvesting and forest roads/trails to lessen environmental impacts and comply with state water quality regulations. Any seed mixture used to reestablish vegetative cover on disturbed areas must be approved by the Project POC. The purchaser is required to have a dozer or similar piece of equipment on-site or available with short notice to maintain skid trails and log landings during the course of harvesting. All BMP work should be completed within thirty (30) days of final harvesting activities, weather permitting. Missouri Best Management Practices can be found at:

https://mdc.mo.gov/sites/default/files/downloads/forestmanagement4.pdf

e. Purchaser may be required to add rock to existing access trail to prevent mud deposition on Missouri Route 86.

20. Safety Regulations:

IFB No: W9127S-21-B-21975

a. All operations in connection with the harvesting and removal of forest products sold hereunder shall be conducted in a workmanlike and orderly manner. Purchaser is responsible to ensure that all equipment and operations conducted under this sale agreement comply with safety and sanitary regulations established by local, state, and Federal agencies. Purchaser is responsible for compliance with all applicable Occupational Safety and Health Administration (OSHA) standards established by Department of Labor (29 C.F.R. 1910.266) and Army Corps of Engineers Safety and Health Requirements Manuel (EM 385 1-1). Safety equipment must be worn and utilized at all times.

- b. No firearms shall be permitted on the Project and no hunting by purchaser personnel shall be permitted by virtue of this sale agreement.
- c. Safety signage, "trucks entering highway" or similar signage, will be placed along the highway near the site entry.

21. Fire Suppression:

- a. The purchaser and all subcontractors under him shall exercise due diligence both independently and upon request of the Project POC to prevent and suppress forest fires. The purchaser agrees to reimburse the Government for the cost of fire suppression incurred and property damage caused as a result of his negligent or willful acts.
- b. During periods of danger, as may be specified by the Project POC, the purchaser shall prohibit smoking and building of camp and lunch fires by his employees, contractors, and employees of contractors within the sale area, except at established areas.
- **22.** Termination for Default: If, after award of the contract, the purchaser breaches the contract by failing to make any payments as required, or by failing to remove the timber as required, then the Real Estate Contracting Officer may issue a fifteen (15) day written cure notice (calculated from the date of mailing) allowing purchaser 15 days to correct its breach; and, upon purchaser's failure to cure such default within that period (or such further period as the Real Estate Contracting Officer may allow), this sales contract may be terminated for default by the Real Estate Contracting Officer, in which case the purchaser shall lose all right, title, and interest acquired in and to the property as to which a default has occurred. The purchaser agrees that, in the event he fails to pay for the property or remove the same within the prescribed time, the Real Estate Contracting Officer, at his election and upon notice of default, shall be entitled to retain (or collect) as liquidated damages a sum equal to the total amount of such loss or damages sustained. When the Real Estate Contracting Officer exercises this election, he shall specifically apprise the purchaser that, upon expiration of the cure period, if the breach or defect still remains, the contractor shall be liable for any applicable liquidated damages as well as any applicable administrative costs which amounts may be offset by retaining part or all of the cash performance deposit, or by making demand upon the surety. If the purchaser otherwise fails in the performance of his obligations hereunder, the Government may exercise such rights and may pursue remedies as are provided by law or under the contract.

23. Liquidated Damages: Without derogation to any other rights afforded it by this contract, the Government, through the Real Estate Contracting Officer, may determine the extent of damages arising from any of the causes hereinafter set forth, and the purchaser agrees to pay a damage, therefore in an amount to be determined by the Real Estate Contracting Officer as liquidated damages for the injury and for the damages suffered by the Government.

CASE OR VIOLATION*

DAMAGES**

a. Cutting or damaging undesignated trees intentionally or through negligence or carelessness.

Nine (9) trees/acre will be considered excessive.

Double the unit sale price for the respective timber product, plus any administrative costs incurred.

b. Removal of material harvested from the designated sale area without measurements in accordance with the terms of the contract. Triple the unit price for the respective forest products.

c. Continued failure to cut stumps in accordance with specifications.

Ten Dollars (\$10.00) per stump.

d. Failure to cut designated trees not exempted and to utilize merchantable material.

Double the unit sale price for respective forest product.

e. Degradation of environmental quality through persistent littering, pollution, negligent or willful acts to Government land or water Actual clean up or restoration costs incurred by the Government as determined by the Real Estate Contracting Officer.

f. Unavoidable damage to undesignated trees.

Unit sale price for respective timber product.

g. Failure to complete harvesting operations on or before expiration date.

One (1) percent per month of the value of the timber remaining unharvested, or a minimum charge of \$100, whichever is greater.

h. Damage to seed trees

\$500.00 per tree

i. Failure to repair roadways and/or Shoulders to original condition

Actual costs incurred by the Government to repair damages

IFB No: W9127S-21-B-21975 PAGE 18 of Invitation for Bid

CASE OR VIOLATION*

DAMAGES**

(CONTINUED)

j. Damage to designated or protected historical or archeological sites with-in the sale boundaries. Maximum damages allowed by law or regulation

24. Termination for Convenience: The Real Estate Contracting Officer may terminate this sale agreement at any time by giving ten (10) days' notice in writing to the purchaser. Upon receipt of this notice the purchaser will cease all cutting of timber and will be allowed to remove only limber that has already been felled. In the event the sale agreement is so terminated, the Government shall not be responsible for any damages or claims of whatsoever nature which result from said termination, except that funds on deposit in excess of that required in payment of material cut and/or removed and liquidated damages shall be refunded unless otherwise provided herein.

25. Disputes Clause:

a. Except as otherwise provided in this contract, any dispute concerning a question of fact arising under this contract which is not disposed of by agreement shall be decided by the Real Estate Contracting Officer, who shall reduce the decision to writing and mail or otherwise furnish a copy thereof to the contractor. The decision of the Real Estate Contracting Officer shall be final and conclusive unless, within ninety (90) days from the date of receipt of such copy, the contractor mails or otherwise furnishes a written appeal to the Armed Services Board of Contract Appeals, Skyline 6, Room 703, 5109 Leesburg Pike, Falls Church, Virginia 22041-3208. A copy of the appeal shall also be furnished to the Real Estate Contracting Officer. The decision of the Board shall be final and conclusive unless determined by a court of competent

jurisdiction to have been fraudulent, capricious, arbitrary, or so grossly erroneous as necessarily to imply bad faith, or not supported by substantial evidence. Pending final decision of a dispute hereunder, the contractor shall proceed diligently with the performance of the contract and in accordance with the Real Estate Contracting Officer's decision.

b. This condition does not preclude consideration of law questions in connection with decisions provided for in subparagraph a. above: Provided that nothing in this condition shall be construed as to making final the decision of any administrative official, representative, or board on a question of law.

26. Gratuities:

a. The Real Estate Contracting Officer may, by written notice to the purchaser, terminate the right of the purchaser to proceed under this sale agreement if it is found, after notice and hearing by the Secretary of the Army or his duly authorized representative, that gratuities (in the form of entertainment, gifts, or otherwise) were offered or given by the purchaser, or any agent or representative of the purchaser

^{*} Determined by the Real Estate Contracting Officer.

PAGE 19 of Invitation for Bid

IFB No: W9127S-21-B-21975

to any officer or employee of the Government with a view toward securing a contract or securing favorable treatment with respect to the performing of such contract; provided the existence of the facts upon which the Secretary or his duly authorized representative makes such findings shall be in issue and may be reviewed in any competent court.

- b. In the event this contract is terminated as provided in subparagraph a. above, the Government shall be entitled (1) to pursue the same remedies against the purchaser as it could pursue in the event of a breach of the contract by the purchaser, and (2) as a penalty in addition to any other damages to which it may be entitled by law, to exemplary damages in an amount (as determined by the Secretary or his duly authorized representative) which shall not be less than three nor more than ten times the costs incurred by the purchaser in providing any such gratuities to any such officer or employee.
- c. The rights and remedies of the Government provided in this clause shall not be exclusive and are in addition to any other rights and remedies provided by law or under this contract.
- **27. Non-discrimination in Employment:** In connection with the performance of work under this contract, the purchaser agrees as follows:
- a. The purchaser shall not discriminate against any employee or applicant for employment because of race, color, religion, sex or national origin. The purchaser shall take affirmative action to ensure that applicants are employed, and that employees are treated equally during employment, without regard to their race, color, religion, sex or national origin. Such action shall include, but not be limited to, the following: employment, upgrading, demotion or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. The purchaser agrees to post in conspicuous places, available to employees and applicants for employment, notices selling forth the provisions of this non-discrimination clause.
- b. The purchaser shall, in all solicitations or advertisements for employees placed by or on behalf of the purchaser, state that all qualified applicants will receive consideration for employment without regard to race, color, religion, sex or national origin.
- c. The purchaser shall send to each labor union or representative or workers with which he has a collective bargaining agreement or other contract of understanding a notice advising the said labor union or worker's representative of the purchaser's commitments under this non-discrimination clause, and shall post copies of the notice in conspicuous places available to employees and applicants for employment.
- d. The purchaser shall comply with all provisions of Executive Order No. 11246 of 24 September 1965, as amended by Executive Order No. 11375 of 13 October 1967, and the rules, regulations, and relevant orders of the Secretary of Labor.
- e. The purchaser shall furnish all information and reports required by Executive Order No. 11246 of 24 September 1965, as amended, and by the rules, regulations, and orders of the Secretary of Labor, pursuant thereto, and shall permit access to his books, records and accounts by the Real Estate Contracting Officer, and the Secretary of Labor, for purposes of investigation to ascertain compliance with such rules, regulations, and orders:

IFB No: W9127S-21-B-21975 PAGE 20 of Invitation for Bid

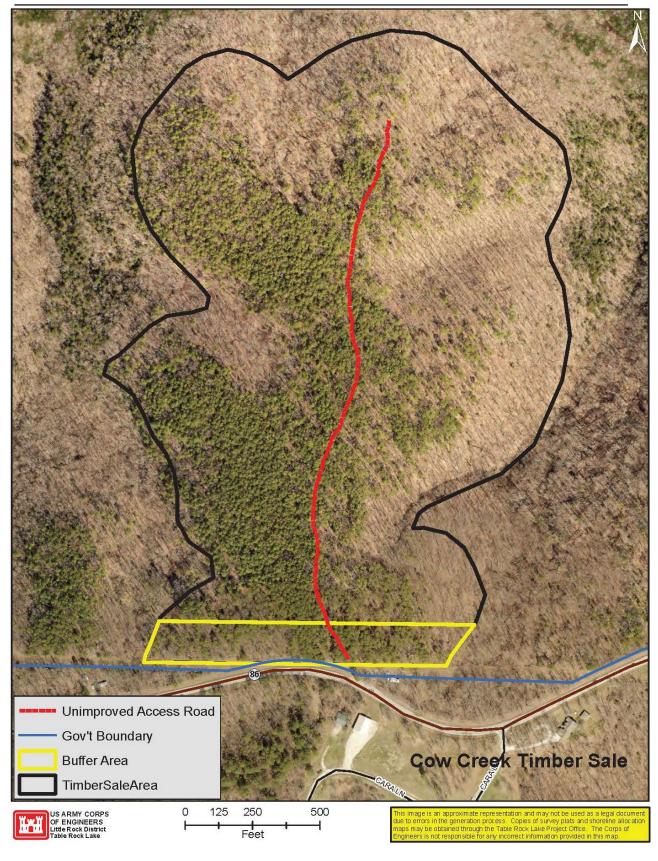
f. In the event of the purchaser's noncompliance with this non-discrimination clause or with any of such rules, regulations, or orders, this contract may be canceled, terminated or suspended in whole or in part and the purchaser may be declared ineligible for further Government contracts in accordance with procedures authorized in Executive Order No. 11246 of 24 September 1965, as amended, and such other sanctions may be imposed and remedies invoked as provided in said Executive Order or by rule, regulation, or order of the Secretary of Labor, or as otherwise provided by law.

g. The purchaser shall include the provisions of subparagraphs a. through f. in every subcontract or purchase order unless exempted by rules, regulations, or orders of the Secretary of Labor issued pursuant to Section 204 of Executive Order No. 11246 of 24 September 1965, as amended, so that such provisions will take such action with respect to any subcontract or purchase order as the Real Estate Contracting Officer may direct as a means of enforcing such provisions, including sanctions for noncompliance. Provided, however, that in the event the purchaser becomes involved in, or is threatened with, litigation with a subcontractor or vender as a result of such direction by the Real Estate Contracting Officer, the purchaser may request the United States to enter into such litigation to protect the interests of the United States.

INVITATION FOR BIDS NO.

PAGE 21

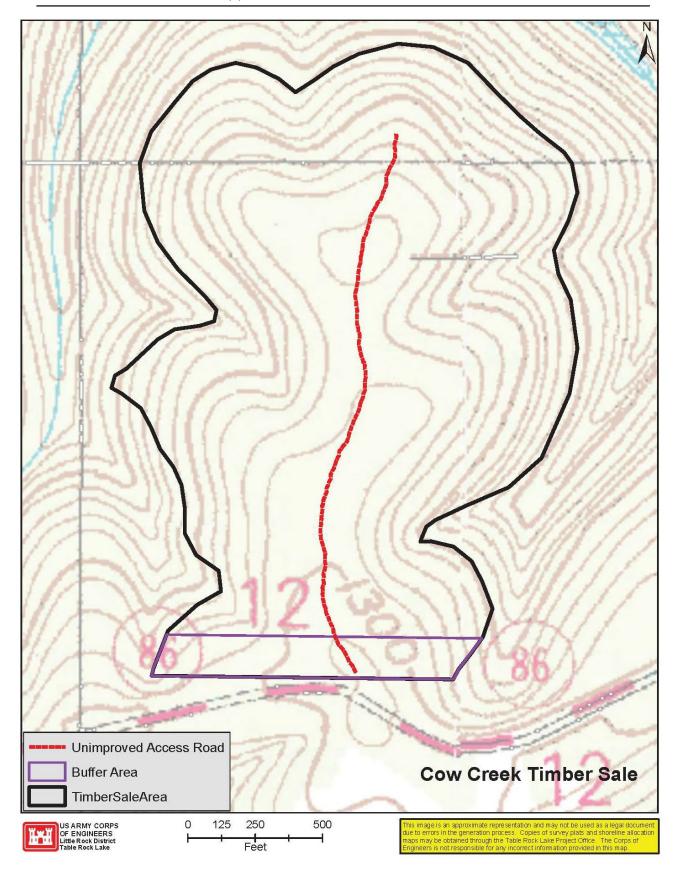
W9127S-21-B-21975



INVITATION FOR BIDS NO.

PAGE 22

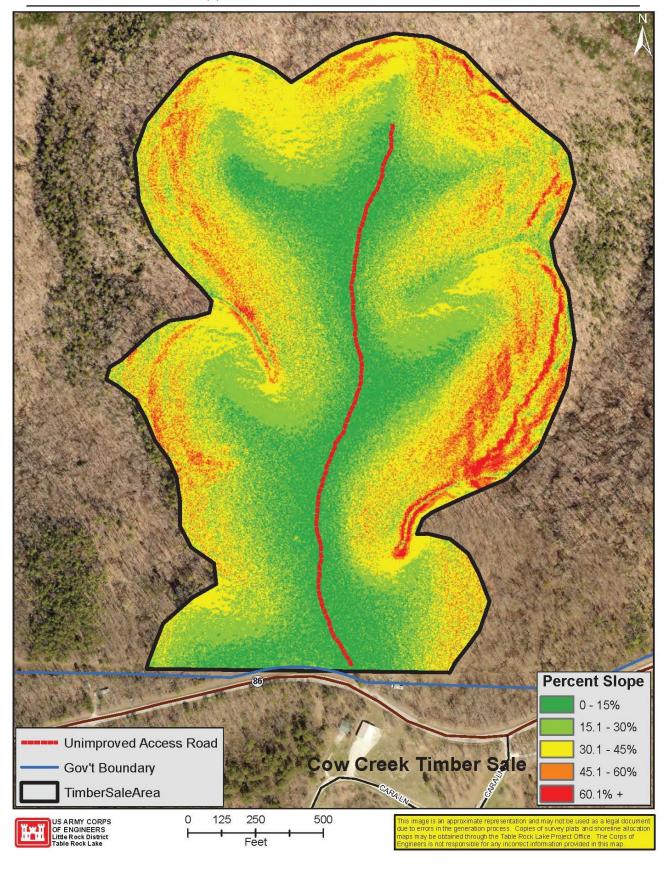
W9127S-21-B-21975



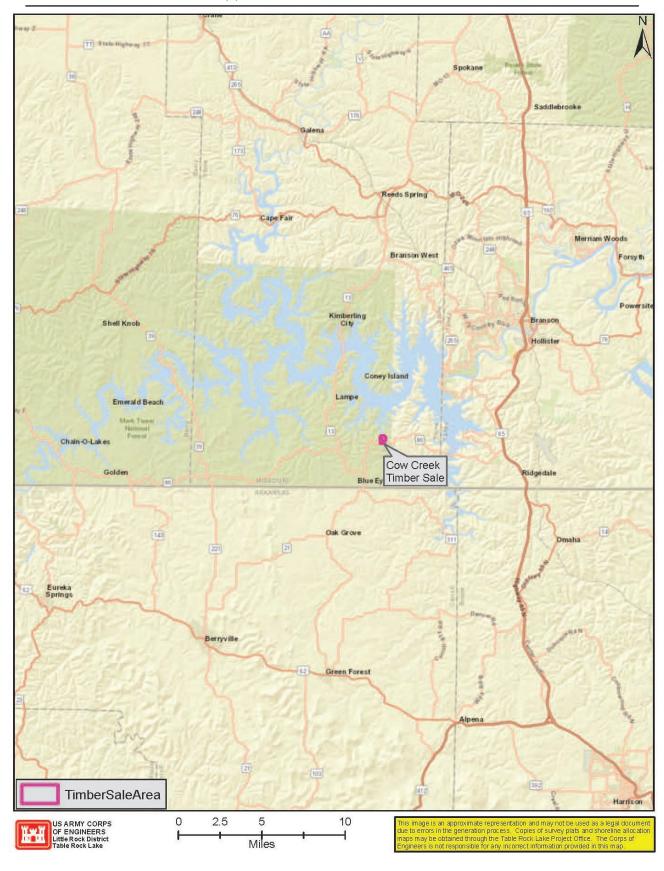
INVITATION FOR BIDS NO.

PAGE 23

W9127S-21-B-21975



INVITATION FOR BIDS NO. W9127S-21-B-21975 PAGE 24



DESCRIPTION OF FOREST PRODUCTS SALE AREA(S); Table Rock Lake

Avg	DBH	7.9	9.4	& &	12.4	15.4	15.0	14.5	14.0				_	_									F	
	Totals	1,339	165	273	4,729	98	23	304	б	6,928	100%											%0	28	
	ষ্									0	%0											%0	26	
	32						L		Ц	0	%0											,	ļ 	
	30									0	%0											%0	24	
Estimated Lotal Trees by Diameter Class	88	, ,				2				7	%0											%0	22	
erer	26					1		—		8	%0	ı .											-	
	24					2		2		4	%0	by DB										%0	20	
S D	22					4		5		o	%0	rees										%	18	S)
Ŭ	20					œ	-	17		26	%0	e of T											-	DBH (inches)
010	20				93	4	С	35	-	136	2%	Estimated Percentage of Trees by DBH								%/_			16	DBH
ומוני	16				436	11	6	43	-	200	%2	J Pero			20%					_		- 12	14	
	7	5 - 7	4		1300	27	4	75	4	1,414	20%	mate											-	
	12		6		1428	27	9	126	3	1,599	23%	Esti			23%								12	
	10	213	92	107	1472		Г			1,053 1,884 1,599 1,414	27%		27%										10	
	00	831	99	166					П	,053	15%		2											
	9	295	4							588	4%						15%						80	
Cow Creek IImper Sale	Product/DBH	Pine Pulpwood	Mixed Hardwood Pulpwood	Eastern Redcedar	Shortleaf Pine	White Oak	Post Oak	Mixed Red Oaks	Misc Hardwoods	Totals	Percent by DBH Class		30%		75%	20%		Perc	10%		5%	700	9 %0	

SALE OF GOVERNMENT FOREST PRODUCTS
DESCRIPTION AND MAP OF SALE AREA

INVITATION FOR BIDS NO.
W9127S-21-B-21975

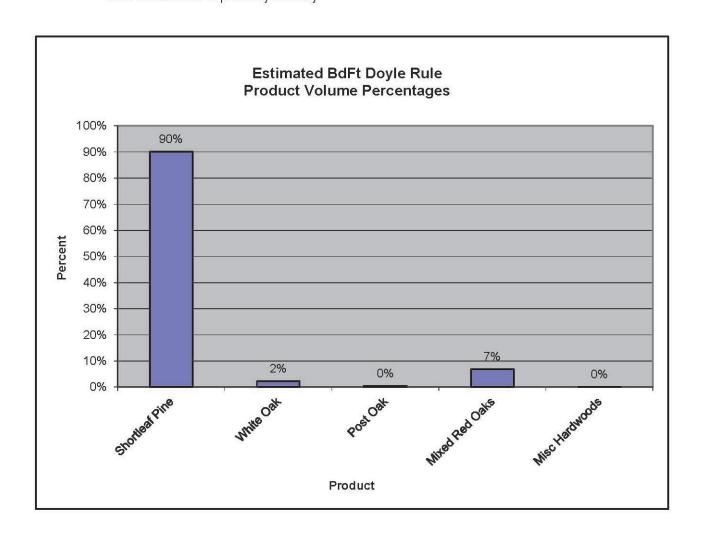
PAGE 26

DESCRIPTION OF FOREST PRODUCTS SALE AREA(S); Table Rock Lake

Cow Creek Estimated Sawtimber Volume Summary

	Estimated	Estimated	Percent
Product	Total Trees	BdFt Volume	Volume
Shortleaf Pine	4,729	292,900	90%
White Oak	86	7,600	2%
Post Oak	23	1,600	0%
Mixed Red Oaks	304	22,400	7%
Misc Hardwoods	9	500	0%
Totals	5,151	325,000	100%

Sawtimber volumes in bdft Doyle Rule
Mixed Red Oaks is primarily Northern Red and Black Oak with a small volume of
Southern Red and Scarlet Oak
Misc Hardwoods is primarily Hickory



SALE OF GOVERNMENT FOREST PRODUCTS
DESCRIPTION AND MAP OF SALE AREA

INVITATION FOR BIDS NO.
W9127S-21-B-21975

PAGE 27

DESCRIPTION OF FOREST PRODUCTS SALE AREA(S); Table Rock Lake

Cow Creek Estimated Pulpwood Volume Summary

	Estimated	Estimated	Percent
Product	Total Trees	Tons Volume	Volume
Pine Pulpwood	1,339	241	71%
Mixed Hardwood Pulpwood	165	62	18%
Eastern Redcedar	273	36	11%
Totals	1.777	339	100%

Pulpwood estimates do not include topwood Mixed Hardwood Pulpwood includes mixed oaks, hickory, elm, red maple, other misc

