



Invitation to Bid (ITB) at Public Auction

Bid No. 1315

King County Surplus Personal Property Sale Conducted by the Fleet Administration Division

In accordance with King County Code 4.56, sealed bids will be accepted for the following County surplus personal property:

The managed thinning/harvest of approximately 56 acres of timber. Timber volumes are estimated at a total of 280 MBF logs and 535 tons pulpwood. The property is both FSC (Certification Code: SA-FM/COC-13941CF) and American Tree Farm System (Tree Farm No. WA-4361) certified.

Purchasers need not be certified to purchase this timber.

TITLE: Island Center Forest, Fir Thin/Alder Harvest

SALE TYPE: Sealed Bid, scaled sale, export restricted

DATE ISSUED: Wednesday July 24th, 2013

PRE-BID MEETING: Wednesday July 31st, 2013

PRE-BID MEETING AND BID OPENING LOCATION: King County Fleet Administration Division Suite 822, 201 South Jackson St. Seattle, Washington 98104. Follow signs to meeting location in Fleet Administration Conference Room or call Russ Johnson at (206) 263-6263 from the phone located in the elevator entrance on the 8th floor.

BID OPENING DATE AND TIME: Wednesday August 7th, 2013

BID DELIVERY LOCATION: Sealed bid proposals are hereby solicited and will be received by mail, e-mail, fax, or delivery in person. Mailing address is Russ Johnson, King County Department of Transportation, 201 South Jackson St., Suite 822, Seattle, Washington, 98104. The e-mail address is russ.johnson@kingcounty.gov. Bid deposits must be received by Wednesday August 7th, 2013. All bids received will be opened in public and all bidders and other interested persons are invited to be present.

SALE LOCATION: This thinning and harvest of timber is from Island Center Forest located on Vashon Island in unincorporated King County, WA, Section 36 of Township 23 North, Range 02 East. The project area is shown on Washington Department of Natural Resources (WA-DNR) forest practice permit Activity Maps (revised version), the Island Center Forest: Island Center Forest 2012 Stewardship Activities Map, and the Island Center Forest Units Vicinity Map which are part of the attached WA-DNR Forest Practice Permit. Orthophotograph and topographic versions of a map titled Island Center Forest 2012 Units is included with this bid package.

CONTRACT DURATION: From the date of posting of performance bond until March 10, 2014 which is the expiration date of the WA-DNR forest practice permit. The Seller reserves the right to suspend operations at any time if they determine that the natural resources of the property will be damaged due to weather events. If it appears that weather shut downs will not allow for the completion of project by this date the Seller will apply for a permit extension to WA-DNR and prepare an extension of this contract.

To submit a bid you must complete the **SEALED BID FORM** attached to this ITB. This thinning/harvest operation shall be conducted in accordance with the following instructions, requirements and specifications.

SECTION I - GENERAL INFORMATION

- A. All bids submitted become public information and may be reviewed by appointment by anyone requesting to do so at the conclusion of the bid evaluation process.
- B. King County, here in after referred to as the Seller, reserves the right to reject any or all bids.
- C. In the event it becomes necessary to revise any part of this ITB, addenda shall be provided to all applicants who received the initial ITB.
- D. The Seller is not liable for any cost incurred by prospective bidders prior to awarding the Bid.
- E. A contract between the successful bidder and the Seller shall include the contract instrument, the ITB, and the response to the ITB. The contract must include, and be consistent with, the specifications and provisions stated in the ITB. Failure of the applicant to accept these obligations may result in cancellation of their selection.
- F. The Purchaser may not assign any rights or delegate any duties under this contract without the County's prior written consent. Such consent must be sought in writing no less than thirty (30) days prior to the date of any proposed assignment and/or delegation.
- G. No bids will be received after the time and date specified on the ITB. There shall be no exceptions to this requirement.
- H. Either party may request changes in the scope of services and performing or reporting standards to be performed or provided herein. Proposal changes which are mutually agreed upon shall be incorporated by written amendment to the agreement by the King County Fleet Administration Division.
- I. The contract may be terminated at the County's election if for any cause the Purchaser shall fail to fulfill in a timely and prompt manner her/his obligations under this agreement or if the Purchaser shall violate any of the provisions of the agreement.
- J. If Purchaser violates any provision of this contract, the County Forester, by written notice, may stop work. If the violation is capable of being remedied, the Purchaser has five (5) days after receipt of stop work notice to remedy the violation. If the violation cannot be remedied or Purchaser fails to remedy the violation within five (5) days after receipt of a stop work notice, the County may terminate the rights of the Purchaser under this contract.
- K. The Purchaser will be required to assume responsibility for all services offered in the proposal whether or not performed by the Purchaser. Further, the Purchaser will be the sole point of contact for the Seller with regard to contractual matters, including payment of any and all

charges resulting from the contract. There will be no changes in the contract without approval of the Seller.

L. Payment must be in the form of cash, certified check or cashier's check made payable to King County Treasury.

M. Please direct all questions regarding the bid process to:

Russ Johnson, Personal Property Supervisor
201 South Jackson Street # 822
Seattle, Washington 98104
206-263-6263
russ.johnson@kingcounty.gov

N. Please direct all forestry or site specific questions to:

Bill Loeber, King County Forester
King County Department of Natural Resources and Parks
201 So. Jackson Street, Suite 600
Seattle, WA 98104
(206) 296-7821
bill.loeber@kingcounty.gov

SECTION II – PROJECT DESCRIPTION

- A. This ITB is for the commercial thinning and harvest of approximately 270 MBF logs and 530 tons of pulp on 56 acres in Island Center Forest.
- B. This project is covered by WA-DNR forest practices permit number 2415150.
- C. The timber to be harvested is on public land and is subject to the Export Restriction requirements of WAC (Washington Administrative Code) 240-15-015 (relating to the prohibitions on export restriction and substitution), WAC240-25 (relating to reporting requirements) and WAC 240-30 (relating to enforcement).
- D. Attached Documents
1. WA-DNR forest practices permit number 2415150
 2. Island Center Forest Locater Map
 3. Island Center Forest 2012 Units Map (Contours)
 4. Island Center Forest 2012 Units Map (Orthophotograph)
- E. The trees to be removed are located in 3 units as indicated on the Forest Practice Activity Map which is part of the permit. The Island Center Forest 2012 Unit Map indicates the actual operational sub-units within each unit.

1. Unit 1 contains 26 acres of 26 year old Douglas-fir to be thinned. There are 2 sub-units with a non-fish (NF) bearing stream and forested wetland between them.
2. Unit 2 is an additional 10 acres of 26 year old Douglas-fir to be thinned in 3 small sub-units.
3. Units 1 and 2 have 180-250 trees per acre (TPA) and are heavily dominated by Douglas-fir. They are separated by a stand of 70 year old fir, but otherwise share similar stand characteristics. Thickets of red alder and willow exist, but are mostly outside of the net harvest unit. Some western hemlock, madrone, red cedar, and big leaf maple are present in the over story. The terrain averages 5% slope with short sections of 5-15%.
4. Unit 3 is 20 acres of alder, maple, and conifers which vary in age from 60-80 years. There are 4 sub units that comprise this unit (See Island Center Forest 2012 Units Map). Three of these sub-units are dominated by 10-120 TPA of mature red alder. These areas are opening up as a significant portion of the alder has dead tops and is in decline. Areas are quite open and overall volume removal per acre is low to moderate. The merchantable alder is relatively concentrated on half of the unit. The 4th sub-unit contains a higher percentage of mature Douglas-fir and is a root rot pocket (3 DF-RR). The terrain of Unit 3 averages 5% slope with short sections of 5-10%.

- F. The terrain of all units is generally flat, and ground based yarding methods are appropriate.
- G. There is no new road construction associated with this bid, but equipment suitable for landing construction, minor haul road grading, and skid trail construction will be required. Minor brushing out of haul roads and pre-haul grading will be needed, but is not marked and is at the Purchaser's discretion after consulting with the King County Forester.
- H. The timber sale will be sold as an MBF and ton scaled sale.

SECTION III - MINIMUM QUALIFICATIONS

- A. In order to be eligible for award of a contract under this ITB, an applicant must meet the following minimum qualifications:
1. The applicant must be established in the business of logging, transport and brokerage of timber and must hold any required permits and licenses.
 2. The applicant must have the ability to log and transport timber throughout the State of Washington, either with its own forces or through arrangements with other businesses.
 3. The applicant must have proper equipment to complete the operation described in this bid.

SECTION IV – INSURANCE REQUIREMENTS

- A. Prior to awarding this bid, applicant shall procure and maintain for the duration of this agreement insurance against claims for injuries to persons or damages to property which may arise from, or in connection with the performance of work hereunder by the applicant, its agents, representatives, employees, and/or subcontractors. The cost of such insurance shall be paid by the applicant or subcontractor. The applicant may furnish separate certificates of insurance and policy endorsements for each subcontractor as evidence of compliance with the insurance requirements of this agreement.
- B. Minimum Scope of Insurance - Coverage shall be at least as broad as:
1. General Liability: Insurance Services Office form number (CG 00 01 Ed. 11-88) covering **COMMERCIAL GENERAL LIABILITY.** - or - Insurance Services office form number (GL 0002 Ed. 1-73) covering **COMPREHENSIVE GENERAL LIABILITY** and Insurance Services office form number (GL 0404 Ed. 5-81) covering **BROAD FORM COMPREHENSIVE GENERAL LIABILITY ENDORSEMENT.**
 2. Automobile Liability: Insurance Services Office form number (CA 00 01 Ed. 12-90) covering **BUSINESS AUTO COVERAGE,** symbol 1 "any auto"; or the combination of symbols 2, 8, and 9.
 3. Workers' Compensation: Workers' Compensation coverage, as required by the Industrial Insurance Act of the State of Washington, as well as any similar coverage required for this work by applicable Federal or "Other States" State Law.
 4. Employers Liability or "Stop-Gap": The protection provided by the Workers Compensation policy Part 2 (Employers Liability) or, in states with monopolistic state funds, the protection provided by the "Stop Gap" endorsement to the General Liability policy.
- C. Minimum Limits of insurance - The applicant shall maintain limits no less than, for:
1. General Liability: \$ 1,000,000 combined single limit per \$ amount occurrence for bodily injury, personal injury and property damage.
 2. Automobile Liability: The greater of (a) \$ 1,000,000 combined single limit per accident for bodily injury and property damage, or (b) the applicable limit as required by the Washington Utilities and Transportation Commission.
 3. Workers' Compensation: Statutory requirements of the State of residency.
 4. Employers Liability or "Stop gap" coverage: \$ 1,000,000.

D. Other Insurance Provisions

1. The insurance policies required are to contain, or be endorsed to contain the following provisions:
 - a. General Liability Policy:
 - i. The County, its officers, officials, employees and agents are to be covered as additional insured as respects: liability arising out of activities performed by or on behalf of the applicant.
 - ii. To the extent of the applicant's negligence, the applicant's insurance coverage shall be primary insurance as respects the County, its officers, officials, employees and agents. Any insurance and/or self-insurance maintained by the County, its officers, officials, employees or agents shall not contribute with the applicant's insurance or benefit the applicant in any way.
 - iii. The applicant insurance shall apply separately to each insured against whom a claim is made and/or lawsuit is brought, except with respect to the limits of the insurer's liability.

E. Verification of Coverage

1. The applicant shall furnish the Fleet Administration Division with certificates of insurance and endorsements required by this ITB.
2. The certificates and endorsements for each insurance policy are to be signed by a person authorized by that insurer to bind coverage on its behalf.
3. The certificates and endorsements for each insurance policy are to be on forms approved by the County and are to be received and approved by the County prior to the commencement of activities associated with this ITB. The County reserves the right to require complete, certified copies of all required insurance policies at any time.

SECTION V - SPECIFIC REQUIREMENTS

A. Bid Deposit

1. All bidders are required to submit a deposit with their signed bid agreement.
2. The deposit will be calculated at 10 percent of their bid.
3. The deposits of unsuccessful bidders will be fully refunded following the bid opening.

4. The successful bidder's bid deposit will be returned when the contract is executed and a satisfactory performance deposit is provided.
5. The successful bidder has the option to apply his bid deposit to the performance deposit or the sale payment.
6. If the highest qualified bidder fails to execute the contract or provide a satisfactory performance deposit, the bidder will be considered in default and will forfeit his bid deposit as liquidated damages and the timber may be offered to the other qualified bidders in the order of descending bids, or negotiated or re-advertised as appropriate.

B. Performance Bond and Payment

1. Prior to commencement of any work on the site, Buyer will deliver to the Seller a performance bond in the principal sum of \$10,000 issued by a responsible bonding company satisfactory to the Seller, or in lieu thereof, a standby letter of credit in the sum of \$10,000 issued by a bank and in a form satisfactory to the Seller. Such bond or letter of credit is to guarantee the performance by Buyer. This performance bond must be received by the Seller at or before the pre-work meeting.
2. The successful bidder agrees to provide payment in advance equal to 50% of the Purchasers bid amounts multiplied by the estimated volumes in Section V, G of this ITB.
3. The Purchaser will submit a bi-weekly statement of the timber removed and scaled the previous week. This statement will include a running balance on the pre-paid stumpage less the previous week stumpage value based on bid price applied to scaled volume.
4. Copies of scale slips and haul tickets issued by the Seller will accompany bi-weekly statements.
5. Once the 50% pre-paid value has been reached as determined by the Seller, the Purchaser will submit a bi-weekly statement for timber scaled and paid for by the mill the previous week. This statement will include copies of scale slips and haul tickets issued by the Seller.
6. All accounting and stumpage payment will be mailed to Russ Johnson (see address above) until the timber harvest is complete and payment has been paid in full to the Seller.

C. Sale Description

1. Bidders are required to bid on the timber based on a dollar per thousand board foot (MBF) prices for alder and Grade 2S and 3S Douglas-fir saw logs. A dollar per ton price will be paid for grade 4S Douglas-fir logs. For Douglas-fir logs less than 8" dib that are weight scaled, a conversion of 7 tons/MBF will be used. Hardwood pulp will be paid for based on a bid value per ton. Small diameter Douglas-fir pulp wood (under 8" large end diameter) should be left scattered in the units unless the extra volume is required to complete a fully loaded truck.
2. The successful bidder will fell the timber and transport it to the mills where it will be scaled by Pacific Rim Scalers, or other scaling stations that are approved by the Seller. In an effort to support small local mills, the Seller strongly encourages the Purchaser to sell some portion of the wood to local Vashon Island buyers if possible.

D. Pre-Bid Site Inspection

1. For bidding purposes the harvest units are accessed by entering Island Center Forest at the end of 115th Ave SW off of Cemetery Road.
2. Contractors may park at the trail head parking lot on the west side of 115th Ave SW by the trail kiosk. The units may be accessed on foot from this parking lot or obtain the gate's lock combination from Bill Loeber, King County Forester (phone: (206) 296-7821, bill.loeber@kingcounty.gov) and drive in as described in number 4 and 5 below.
3. If driving beyond the gate, lock the gate while you are on the property and upon leaving the property.
4. If driving on the property, exercise caution as the property receives heavy equestrian, biking and hiking use all times of the year.
5. To access by vehicle, drive from the parking lot/gate approximately 0.7 mile to the proposed location of the second landing on the north side of the main haul (see Island Center Forest 2012 Forest Units map). There is a small clearing with room for 2-3 vehicles. All bidders are to park and turn around here. This parking area is just past the dip where Judd Creek flows under the road.
6. The operational access to the red alder units will be from the West Side Hwy through the Vashon Island Transfer Station as indicated on attached maps. However, that access is not available for pre-bid inspection. Do not attempt to drive through the Transfer Station to preview the harvest site.

E. Start Up Notification

1. The Seller requires seven days notification before harvest begins.
2. Prior to beginning the harvesting activity, the Purchaser will schedule a pre-work meeting with the King County Forester and King County Parks staff on the project site. The purpose of this meeting is to answer any questions either party may have about completing the thinning/harvest. The Seller will demonstrate and discuss the tree selection guidelines including a discussion of prescription compliance. At this meeting King County Park's staff will work with the Purchaser to develop a phased, sequential process of trail closure to avoid closing all the trails for the duration of the project.
3. The operator is to notify Washington DNR two business days prior to starting road building, and cutting and yarding. Contact Aileen Nichols at (253) 732-1822, and refer to FPA # 2415150. If a break in operation occurs for greater than 3 weeks, re-notify the DNR that the operation has started again.

F. Access to the Site

1. The Seller guarantees access to Unit 1 and 2 from 115th Ave SW off Cemetery Road via the main haul road and Unit 3 off the Westside Highway SW through the Vashon Island Transfer Station property as described above. The gate access code will be provided at the pre-work meeting.
2. There is no public vehicular access to the site, although County staff has vehicle access.
3. The site must remain locked at all times, and the Purchaser is responsible for locking the gate after entry and exit.
4. Work schedule will consist of weekdays only unless advance permission is granted by the King County Forester for weekend and holiday work.
5. Equipment operating hours are limited to 7 AM to 9 PM.
6. No work will be allowed during the Island Center Forest deer hunting season which runs from October 12th through the 31st. All trails will be free of brush and passable to trail users prior to hunting season.
7. The Purchaser is responsible for posting safety signs indicating log hauling activity. These signs should be posted on the haul road at the 115th Ave SE gate and approximately 200 feet either side of active unit boundaries.

G. Thinning/Harvesting Standards and Guidelines

Units are shown on the Island Center Forest 2012 Units Map. The following guidelines will be thoroughly described and illustrated at the pre-work meeting and the first day of tree felling.

1. **Units 1 and 2 - total of 36 operating acres:** These cutting guidelines apply to the variable density thinning of both Douglas-fir units (1DF and 2DF).
 - a. Unit boundaries have been flagged with pink and black flagging labeled “Timber Harvest Boundary”.
 - b. Contractor tree selection guidelines (Designation by Prescription) using Basal Area:
 - i. Thin to an average of 110 ft² BA (130-140 TPA), using a BAF of 20. The acceptable range for the average across units 1 and 2 combined is 105-120 ft². Individual plots may vary between 40-160 ft².
 - ii. Count all species >6” dbh in BA counts except for willow
 - iii. Natural gaps > 50’ diameter or created gaps (#3) shall not be counted in average BA target.
 - iv. Thin heavier to 60-80 BA (15-20’ circle) around single stem maples >10” dbh and red alder >10” dbh that are relatively straight.
 - c. Tree Selection Criteria
 - i. Cut only DF between 6-16” dbh
 - ii. Leave the straightest, best quality trees with live crowns >40%, thinning generally from below.
 - iii. Leave up to 5 wildlife trees/ac where they exist. These are defined as DF trees >12” dbh with live branches with (1) broken or forked tops where the break or fork is < 40’ in height, or (2) bole scars larger than a hard hat.
 - iv. Leave clumps of dominant and co-dominant trees (2-6 trees within 10’) where they exist. Widen spacing elsewhere. Do not worry about even spacing.
 - v. High stump an additional 3 DF >12” dbh per acre. These can be trees with defect in the first log. High stump must be a minimum of 18’. These do not count towards basal area targets.
 - d. Gaps
 - i. Perimeters of 4 gaps are indicated by trees with full band of blue paint.
 - ii. Cut all DF and willow within perimeter, including blue painted perimeter trees. Willow may be yarded or left on site.

2. **Unit 3-total of 20 operating acres:** Unit 3 consists of 3 patch red alder sub-units (RA1, RA2, and RA3) and one Douglas-fir sub-unit (RR-DF). The following guidelines a. through e. refer to RA 1, RA2, and RA3. Guideline f. refers to RR-DF.
- a. The boundary of RA1 is delineated with blue flagging and trees with full bands of blue paint. The boundary of RA2 and RA3 are delineated with pink and black striped flagging and blue painted trees. In sub-units 1-3, blue paint dots face into cutting area.
 - b. Leave all live conifers, big leaf maples, madrone, willow, and other hardwoods.
 - c. Leave all conifer snags >18" dbh standing.
 - d. Remove all mature red alder within sub-unit boundaries, including blue painted trees along boundaries, except:
 - i. Leave trees marked with orange paint.
 - ii. Leave young red alder, generally trees <10" dbh with smooth bark & healthy, full crowns.
 - iii. Leave mature red alder near conifer snags >18" as necessary to protect them and avoid safety issues. Generally 2-5 trees within ~30' of snags.
 - e. Where possible, high stump alder where bottom log is non-merchantable, but top is merchantable.
 - f. The cutting boundary of the root rot harvest sub-unit RR-DF is delineated by pink bands with pink dots that face into the sub-unit. Remove all unpainted live DF from within the area and all merchantable pink painted DF perimeter trees. Any live DF marked with orange paint should be left.

H. Timber Volumes and Quality

Unit acres were determined using a GPS and aerial photo interpretation. Volume was cruised using variable radius plots with a 32' log rule for both DF and RA. Existing openings within stands and no harvest areas have been factored into volume removal per acre values. The following tables indicate the volumes to be removed and breakdown by grade. The timber volumes and grades are only estimates and are not to be construed as actual.

Douglas-fir Volumes to be removed

Unit	Acres	Species	TPA	Avg Dbh (")	2 & 3S Sawlog Volume MBF/ac.	4S Sawlog Volume Tons/ac.	Pulp tons/ac	Total 2 & 3S Sawlog Volume MBF	4S Sawlog Volume Tons	Total Pulp tons
1, 2	38	DF	138	9.4	0.0	39.1	7.5	0.0	1,485	285
3-RR-DF	1	DF	30	19.5	8.4	2	2	8.4	2	2
TOTAL								8.4	1487	287

Red Alder Volumes to be removed

Unit	Acres	Species	TPA	Avg Dbh (")	RA Sawlog Volume MBF/ac	RA Pulp tons/ac.	Total RA Sawlog MBF	Total Pulp tons
3 (RA)	20*	RA	40	14.6	2.9*	12.5*	58.4	250
* Merchantable alder is concentrated on roughly 2/3rds of the acres. The actual volume removal per acre is 4-5 MBF/acre.								

I. Reforestation and Site Preparation

1. Slash in the red alder and Douglas-fir root-rot units will be arranged so the units can be planted with approximately 10 feet between trees.
2. The Seller is responsible for reforestation.

J. Logging Specifications

1. All operations will be done in accordance with the attached Washington Forest Practices Permit. Any deviation from the forest practice application (FPA # 2415150) must be presented in writing to the King County Forester who will submit to WADNR Forest Practice Forester for approval.
2. Acceptable methods of harvest include mechanized or manual falling, and acceptable yarding methods include forwarder, tracked skidders, or shovel yarders. Use of rubber tire skidders is not allowed in unit 3 during the wet season of Nov 15 – March 30 unless agreed to in writing by the King County Forester.

3. Proper care and operator technique will be taken to avoid excessive rutting and excavation of topsoil. Operations may be suspended by the Seller upon its determination that Purchaser's operations would cause damage to water quality, road systems or soils during wet weather.
4. The Purchaser will ensure that there is no sediment delivery into Judd Creek, a fish bearing stream. There is a broad dip in the road on either side of Judd Creek which divert surface flow off the road before reaching the creek. These dips should be upgraded prior to hauling to avoid possibility of sedimentation. If hauling is to occur during wet weather hay bales and/or silt fencing will be installed at the Judd Creek crossing.
5. Landing locations have been selected by the Seller and are shown on the attached map. Locations may be modified with the approval of the Seller. Landing size should be kept to a minimum and will be approved by the King County Forester
6. Yarding corridors will be located by Buyer subject to approval by the Seller. Yarding along walking trails is generally not permitted, except where approved by the Seller. Minimize machine crossings of walking trails. Corridor widths should be kept to a minimum and may not exceed 14', including rub trees. Yarding corridors may not cover more than 10% of the units. Skid trails are allowed outside of units to reach landings.
7. Tops, slash, and any pulp logs not yarded should be used to cushion yarding corridors or left scattered in the unit. Existing downed logs or felled snags must be left in the forest and may not be yarded; however they may be moved to facilitate yarding.
8. Trees shall be felled into the sale area to avoid falling and yarding damage to trees in adjacent units and riparian areas. In red alder unit, trees may be felled outside of sub-unit boundaries if necessary, but not across property line to the north.
9. Trees shall be cut as close to the ground as practical. Stump height shall not exceed 12 inches in height measured on the uphill side.
10. Protect all snags as much as operationally feasible, especially snags over 12" dbh. They may be felled for safety considerations except for conifer snags >18" dbh in the mature alder unit.
11. The Purchaser will exercise due diligence to avoid damaging the retained over story and understory trees within the units. Unnecessary or negligent damage to leave trees is prohibited. Damage to more than 10% of over story conifer and madrone leave trees will be considered excessive and a penalty of \$200 per tree over 10% damaged will be assessed. Leave tree damage exists when one or more of the following occurs as a result of Purchaser's operation:

- a. A leave tree has one or more scars on its trunk exposing the cambium layer, which in total exceed 70 square inches (size of hard hat).
- b. A leave tree top is broken or the live crown ratio is reduced below 30 percent.
- c. A leave tree has more than 1/3 of the circumference of its root system injured such that the cambium layer is exposed.

12. The Purchaser is responsible for maintaining safety signs along haul roads when hauling is occurring. The Purchaser is responsible for all posting and/or flagging necessary to ensure traffic safety for trucks exiting 115th Ave SW onto Cemetery Rd.

K. Log Hauling

1. Contractor shall complete and use log load tickets supplied by the County Forester to ensure accurate accounting of forest products removed from the logging area. The Purchaser shall complete a load ticket keeping the original and giving the other three copies to the hauler. The Purchaser will provide the original ticket to the County Forester during compliance visits. All scale sheets and payment for the logs must include the ticket number.
2. Contractor shall account for all load tickets issued by the Contract Coordinator. The County may treat load tickets not accounted for as lost forest products.

L. Recreational Trails

1. At the pre-work meeting King County Park's staff will work with the County Forester and Purchaser to develop a phased schedule of trail closure by sequencing the completion of operations of the three units. The intention is to minimize the length of trail closed at any one time. Based on this schedule, King County Park's staff will place trail closure signs at logical intersections to close trails in each phase. Each phased area must be completed before initiating falling and yarding in the next area. The Purchaser will coordinate with King County Park's staff to ensure that the signs remain posted.
2. Trees shall be felled away from any trail when possible.
3. Trails shall be cleared of all debris at completion of yarding operations in each phase. Debris shall be scattered at least 10 feet away from the trail.
4. Major ruts created in trails by harvest operations should be smoothed out. Muddy areas created by harvest operations shall be repaired by placing logs parallel to trail in preparation for gravel, as specified by County.

M. Road Maintenance and Post-Sale Rehab

1. The Purchaser is responsible for brushing out and any needed light surface work on the main haul road that provides access to Units 1 and 2. Brushing or road work may not commence until after the pre-work meeting.
2. The Purchaser is responsible for maintaining all haul roads used during operations to avoid major damage to the roads. Water bars near stream crossings must be maintained to avoid sediment flow into streams. Hay bales may also be required at major stream crossing if hauling occurs during wet weather.
3. After hauling is completed, the Purchaser must rehab the haul roads as follows:
 - a. Crowning the road in any areas where water has potential to flow in wheel ruts for more than 100'.
 - b. Restoring all pre-existing water bars.
 - c. Creating one 10' wide x 1.5' deep grade dip in road near end of southern haul road. Seller will indicate location.
 - d. Repairing any large potholes or other major damage caused by the harvest operation.
 - e. Rehab the gravel road behind the transfer station as needed to restore it to original condition.

N. Operational Cleanup

1. All cull logs and slash piles remaining on landings at the conclusion of the operation shall be cleaned up. Portions of some landings should be scarified and covered with slash and downed wood, as specified by the Seller.
2. Major skid trails should be scarified and covered with slash and pulp logs as specified by the Seller. Skid trails shall be blocked where they enter landings or cross trails with large cull logs and slash.
3. Walking trails shall be cleared of all logs and large branches that are not movable by hand. Major ruts created in trails by harvest operations should be smoothed out. Muddy areas created by harvest operations shall be repaired by placing logs parallel to trail in preparation for gravel, as specified by Seller.

SEALED BID FORM

Sale Name: Island Center Forest Fir Thin/Alder Harvest

Bid Number: 1315

Date: August 7, 2013

The following company hereby submits the following bid for timber:

(Print Full Legal Company Name)

(Mailing Address)

(City, State, Zip Code)

(Phone Number)

Operational Resources and Logging Plan: Attach a written description of how you intend to meet the conditions of this ITB. Include the following at a minimum:

1. Crew (including sub-contractors) and equipment to be used on this thinning/harvest.
2. How and where you will limb, and process the logs?
3. How will you re-distribute slash to the site?
4. How will you avoid excessive damage to leave trees when thinning?
5. How will you complete this project on time?

References: Supply the names, addresses and phone numbers of three clients you have recently provided similar work for that we may contact as a reference.

Bid:

\$ _____ /ton for chip and saw Douglas-fir logs

\$ _____ /MBF for Douglas-fir grade logs

\$ _____ /MBF for red alder saw logs

\$ _____ / ton for alder pulp wood

\$ _____ / ton for Douglas-fir pulp wood (if Purchaser wishes to remove).

For Douglas-fir logs less than 8" that are to be weight scaled, a conversion of 7 tons/MBF will be used.

Bidder's Warranty and Bid Signature

By signing and submitting this bid as an offer to purchase forest products from King County, the Bidder hereby warrants to the County that they have had an opportunity to fully inspect the sale area and the forest products being sold. Bidder further warrants to the County that they enter this bid based upon their own judgments of the value of the forest products, formed after their own examination and inspection of both the timber sale area and the forest products being sold. Bidder also warrants to the County that they enter this bid without any reliance upon the volume estimates, acreage, appraisals, pre-bid documentation, or any other representation by the King County Department of Natural Resources and Parks.

(Signature of Authorized Representative submitting this bid)

(Date)

(Print **name and title of** Authorized Representative submitting this bid)