

2450

NORTHERN REGION - R-1

FOREST = 14 - Kootenai *

DISTRICT 03 - Fortine *

Expiration Date = April 1, 2016

V15.1

TIMBER SALE AND
TRANSACTION EVIDENCE
APPRAISAL REPORT

Crashed Harvey BD
(SALE NAME)

Select Contract Type

TIM # 15304

TYPE 6 - Contract Form 2400-6 UOM TON

Prepared by (Signature)

(Date)

Prepared by (Signature)

(Date)

Reviewed by (Signature)

(Date)

Recommended by (Signature)

(Date)

All attached documents and specifications for this timber sale have been completed in accordance with regulations at 36 CFR, Part 223, Subpart B, and the applicable Forest Service Manual and Handbook requirements and standards related to timber sales. Furthermore, the environmental documentation and NEPA decision have been reviewed; no significant new information or changed circumstances relating to the environmental impacts of this proposed action exist that require a correction, supplement, or revision to the documentation or decision; and implementation (advertisement) should continue.

Certification Reports for Gates 3 and 4 from TIM are attached to this timber sale report.

Timber Sale Final Package Approved By:

(Date)

TIMBER SALE INFORMATION

TIM, Gate 3, Create Timber Sale (Prep101)

Sale Area Description:

Primary County Name (FIPS Code): *

Sale Area Legal Description (short T & R):

Sale Area Legal Description (long):

The format that the description is entered here and inputted to TIM is exactly the way it will print out in the Contract, Ad and prospectus at Gate 4.

Compartment (s):

Environmental Documentation:

Project Association: List NEPA Project(s) that approved the timber sale.

<u>NEPA Document Name</u>	<u>Percentage of Sale Volume (CCF)</u>
<input type="text" value="Crashed Harvey Decision Memo"/>	<input type="text" value="100"/>
<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>

The above NEPA Document(s) shall be included in the Prospectus, General Narrative, TIM Gate 4 - Prospectus (ADVR115). Include the following statement in the Prospectus: The environmental document(s) that approved this sale:_____

Briefly describe additions or changes made to project design during timber sale preparation.

TSPIRS INFORMATION, SALE OBJECTIVES

TIM, Gate 3, Create Timber Sale (Prep101)

<u>Purpose (TIM -PREP101)</u>	<u>Activity</u>	<u>% of Sale Volume - CCF (TIM - PREP101)</u>
TC - Timber Commodity Purpose *	01 - Timber Purpose *	100
*		
*		

KOOTENAI SALE PURPOSE CODING INSTRUCTIONS

www.fs.fed.us/im/directives/fsh/2409.18/2409.18_20.doc

<u>Management Areas</u>	<u>Sale Purpose Code</u>	<u>Type of sale</u>
All suitable MA's (MA 11,12,14,15,16,17)	TC/01	All sawtimber, non-sawtimber and fuelwood sales on all contract forms including permits.
Non suitable MA's	FS/___	All sawtimber sales, select the most appropriate activity based on documented sale purpose.
<i>In the absence of documented sale purpose reasons for nonsuitable MA'S, the following codes, based on stated goals and objectives in the Forest Plan, will be used.</i>		
MA 3, 5, 19	FS/10	General salvage
MA 6	FS/20	Hazard tree removal
MA 10	FS/30	Wildlife Habitat Improvement
MA 18	FS/90	Test Regen Techniques

Percentage: The percentage distribution will be 100% EXCEPT when an individual sale includes a mix of suitable and nonsuitable MA's. In this circumstance, the percentage split between TC and FS coding will be based on the sawtimber volume in the MA's. DO NOT distribute the percentage for nonchargeable product volume that may be included on sawtimber sales in suitable MA's. Code these as 100% TC/01.

Convertible product permits and non timber commercial sale contracts or permits.	FS/70/100%	Commercial sale of post, poles, Christmas trees, mushrooms, etc.
Firewood or Christmas Permits	PP/80/100%	Intent is personal use.

SALVAGE SALE FUND INFORMATION

TIM, Gate 4, Salvage Sale Fund Plan (ADVR112)

Reference to FSH 2409.19 - 71.12 - for assistance with SSF collections

https://fs.usda.gov/FSI_Directives/wo_2409.19_70.doc

SSF Silviculture Treatment Type (Pick one)

Salvage *

SSF Volume (CCF): % of total volume

FUNDING SOURCE

Funding Source (button on tool bar) - From STAT102

Sale Preparation Funding Source ---SSSS (Salvage Fund) %

(Contact SO for percentage to enter into Funding Source form. Funding Source percentage must be equal to or less than % of salvage in the SSF Plan.)

CRUISE INFORMATION

CRUISE:	#	<input type="text" value="15304"/>	CHECK CRUISE:	
Date of Cruise		<input type="text" value="7/23/2015"/>	Date of Check:	<input type="text"/>
Cruisers:	<input type="text" value="Pam Cooper"/> <input type="text" value="Mike Sartori"/> <input type="text"/> <input type="text"/>		Cruisers:	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
Method:	<input type="text" value="PNT"/>		Results:	<input type="text"/>
SE%:	<input type="text" value="30"/>			

Method of determining ROW volume:

Basis for Percent Defect:

APPRAISAL CCF TO TON WORKSHEET

SAWTIMBER - CCF

<u>Species</u>	<u>Defect %</u>	<u>Net Volume</u>	<u>Total Additional</u>	<u>Total Net</u>	<u>Tons Per CCF</u>	<u>Total Tons</u>
017-GF	0	0	0	0	3.1275	0
019-AF	5	110	0	110	2.4735	272
073-L	5	155	0	155	3.1935	495
093-S	4	149	0	149	2.7040	403
108-LP	6	412	0	412	3.0210	1245
119-WP	2	39	0	39	3.2230	126
122-PP	0	0	0	0	3.2230	0
204-DF	10	145	0	145	3.0160	437
242-C	0	0	0	0	2.3540	0
263-H	0	0	0	0	3.2425	0
TOTAL =	6	1010	0	1010	2.9485	2978

Net MBF/CCF Ratio For
Sawtimber From NCS
Report CS1 **.52030**

TIM	Prep 105
Conversion	Factors
MBF	CCF
.17650	.33920

NON-SAWTIMBER - CCF

<u>Species</u>	<u>Net Volume</u>	<u>Additional Non-Saw</u>	<u>Total Net</u>	<u>Tons Per CCF</u>	<u>Total Tons</u>
GF	0		0	2.9470	0
AF	0		0	2.3340	0
L	0		0	3.0785	0
S	0		0	2.6330	0
LP	202		202	3.0200	610
WP	0		0	3.1500	0
PP	0		0	3.1510	0
DF	0		0	2.7885	0
C	0		0	2.1400	0
H	0		0	3.0590	0
TOTAL =	202	0	202	3.0198	610

0% %Dead

Net MBF/CCF Ratio For
Non-Sawtimber From NCS
Report CS1 **.58603**

TIM	Prep 105
Conversion	Factors
MBF	CCF
.19400	.33110

TOTALS =	Gross	Net	Tons
	0	1212	3588

APPRAISAL SUMMARY

CONTRACT VOLUME (CCF)	<u>1212</u>
APPRAISAL VOLUME (CCF)	<u>1010</u>
CONTRACT VOLUME (TONS)	<u>3588</u> (Note: Total Tons to be used for Rd. Maintenance Appr.)
WTD TONS/CCF	<u>2.9600</u>

LOGGING METHOD SUMMARY

Sawlog Volume

	Tractor	Ground Lead	Skyline	Aerial Heli	Forwarder	Horse	TOTAL	Swing Not Included in Totals	
Acres	42	0	0	0	0	0	42	0	
Volume	1010	0	0	0	0	0	1010	0	CCF
AEYD	1200	0	0	0	0	0			
% Acres	100%	0%	0%	0%	0%	0%			
% Vol	100%	0%	0%	0%	0%	0%			

HARVEST METHOD SUMMARY

	ClearCut	Seed Tree	Shelter Wood	Final Seed Tree	Intermed	Final Shelter wood	Selection	Other Changes	TOTAL
Acres	0	0	0	0	42	0	0	0	42
Volume	0	0	0	0	1010	0	0	0	1010
% Acres	0%	0%	0%	0%	100%	0%	0%	0%	
% Vol	0%	0%	0%	0%	100%	0%	0%	0%	

ASSIGN CONTRACT SPECIES			UTILIZATION STANDARDS						
TIM Gate 3 - Prep 105			TIM Gate 4 - Contract Prep Information ADVR114						
Contract Species Association			Fill out Minimum Specifications below to reflect how sawtimber & non-sawtimber were cruised.						
Contract species shall be grouped to reflect differences in utilization and/or how species shall be grouped in A(T) 2 of the Timber Sale Contract.			From the list below select the description of non-sawtimber products that reflect how the products were cruised and input in NCS.						
All Non-sawtimber shall be grouped as Combined Softwood (CS) under Contract Species			The description below is to be included in A(T)2 of timber sale. (Refer to non-sawtimber appraisal guide for more details & instructions).						
Contract Species	Full Name for Contract	Conversion Factors (only applicable to weight scale sales)		Minimum Specifications					
		(Enter from Species Volume Summary)		DBH	Number of Pieces	Length	DIB	Merch. Factor	
(Major Species Group)		MBF	CCF						
<input checked="" type="checkbox"/>	Live and Dead	LP and Other	0.1765	0.3392	7	1	8.0	5.6	10.67
					0	0	0.0	0	0
					0	0	0.0	0	0
<input checked="" type="checkbox"/>	CS	Live and Dead	0.194	0.3311	4	1	8.0	2.5	N/A
<input type="checkbox"/>	C14	Cedar Products - Net Merch. Factor - Refer to C(T)6.804#			0	0	0.0	0	0

Select Non-Sawtimber Products description from the following:

- Non-Sawtimber products include (C(T)2.2): Primary product includes all trees 5.0" to 6.9" DBH (less than minimum Sawtimber specifications shown in A(T)2); secondary product include tops of Sawtimber trees less than diameter inside bark at small end shown in A(T)2; and all trees not meeting minimum Sawtimber specifications but containing at least 50% pulpable woodfiber in terms of gross cubic volume. (C(T)6.801)
- Non-Sawtimber products include (C(T)2.2): secondary product which are the tops of Sawtimber trees less than diameter inside bark small end shown in A(T)2; and any portion of a Sawtimber tree not meeting minimum Sawtimber specifications shown in A(T)2 but containing at least 50% pulpable woodfiber in terms of gross cubic volume (C(T)6.801).
- Non-Sawtimber products include (C(T)2.2): secondary product which is the top portion of Sawtimber trees less than diameter inside bark small end shown in A(T)2 and containing at least 50% pulpable woodfiber in terms of gross cubic volume (C(T)6.801).
- Non-Sawtimber products include (C(T)2.2): Primary product includes all trees 4.0" to 6.9" DBH (less than minimum Sawtimber specifications shown in A(T)2) and secondary product which are tops of Sawtimber trees less than diameter inside bark at small end shown in A(T)2 and containing at least 50% pulpable woodfiber in terms of gross cubic volume (C(T)6.801).
- Non-Sawtimber products include (C(T)2.2): Primary product includes all trees 4.0" to 6.9" DBH (less than minimum Sawtimber specifications shown in A(T)2) and containing at least 50% pulpable woodfiber in terms of gross cubic volume (C(T)6.801).

NON-SAWTIMBER ADJUSTMENTS

Appraisal Point: **River County Wood**

DATA INPUT

Delivered Log Price (\$/Ton, Nonsawtimber material)	\$50.00	
Total Nonsawtimber Volume (CCF) (Primary + Secondary)	202	<i>Use LP NonSaw page for High Value Non-Saw Products of Any Species, not just Lodgepole Pine</i>
Total Nonsawtimber Volume (Tons) (Primary + Secondary)	610	
Tons / CCF for nonsawtimber material	3.02	
Total Appraised Sawlog Volume (CCF)	1,010	
Total One Way Weighted Haul Miles	126	70

Haul Adjustment
No Adjustment Needed if using LP Non-Saw

Logging System	All Ground Based	All Cable	Forwarder
Nonsawtimber Primary Product (CCF)	72		
Net MBF / Acre Harvested for nonsawtimber primary product	1.0	0.0	0.0
Average DBH Harvested for nonsawtimber primary product	6.0	0.0	0.0
Average Yarding Distance (Feet)	1,200	0	0
Nonsawtimber Primary Product (Tons)	217	0	0
Net Tons / Acre Harvested for nonsawtimber primary product	3.0	0.0	0.0

Nonsawtimber Adjustment	
Final Nonsawtimber Value (\$/CCF) A positive number is a negative value.	\$9.76
Final Nonsawtimber Adjustment to enter into TE appraisal program (\$/CCF)	\$0.00

A Negative Adjustment has been Rounded to Zero

RIGHTS - OF - WAY

(Include Cost share Agreements)

Road Name	Road #	Length	Type of Agreement	Agreement with (Names)

ROAD MAINTENANCE

(From Road Maintenance Appraisal Summary, sheets are attached)

Check Box to use Small Sale RM Rates.
 Check Box to use Small Sale RM Rates plus Kooconusa Bridge

Contract Rates

	\$/CCF	\$/TON	
Total Performance Recurrent Maintenance (Part A)			
C(T)5.31 - Recurrent Maintenance	\$8.97	\$3.02	
C(T)5.312 - Reconditioning	\$0.00	\$0.00	
Total Performance (Part A)	\$8.97	\$3.02	(A)
Total Required Deposits (Recurrent and Deferred) (Part B)	\$0.00	\$0.00	Recurrent
<small>(Enter appropriate rate in TIM - Gate 4 - Road Maint. Plan - ADVR105)</small>	\$1.19	\$0.40	Deferred
C(T)5.32# - Total Required Deposits (Part B)	\$1.19	\$0.40	(B)
C(T)5.314 - Total Dust Abatement (Part C)	\$7.02	\$2.36	(C)
TOTAL MAINTENANCE COST (Parts A-B-C)	\$17.18	\$5.78	

Appraisal Rates

(Entries for 2400 - 17)

Total Required Deposits	\$ \$1.43 CCF
Total Road Maintenance Costs (Performance + Deposits)	\$ \$20.62 CCF

*Refer to Road Maintenance Appraisal for Road Reconditioning cost per road segment.
(Attach worksheets with road costs)*

Specified Road Construction

LOGGING METHOD SUMMARY

	Tractor	Ground Lead	Skyline	Aerial Heli	Forwarder	TOTAL
Acres	42	0	0	0	0	42
Volume	1010	0	0	0	0	1010
EYD	1200	0	0	0	0	

IDENTIFY FACILITIES (ADVR102)

Attach completed "IDENTIFY FACILITIES FORM"

<O:\NFS\Kootenai\Program\2400TimberMgmt\SO\2420TimberAppraisals\TIMBER SALE REPORT>

Check Box if accomplishing road construction or re-construction work under timber sale.

Appraisal information required for the 2400-17 report is to be summarized from the Identify Facilities

SPECIFIED ROAD COST

	<u>Miles</u>	<u>Total Cost</u>
Construction	0.0	\$0
Reconstruction	8.8	\$7,642
Total Cost	\$7,642	/ 1010 CCF = \$7.57 \$ / CCF

BASE RATE ADJUSTMENT FOR REGENERATION COST

Total Required Regeneration Costs - FACTS Line 21 Remarks \$0.00
 (Subtotal for Required Reforestation with National Program Support Cost Included)

Note: Base Rates may be raised for regeneration on only the Sawtimber component for green sales or % of Live Sawtimber on Salvage sales.
 In previously partial cut stands that are to be regenerated, protected regeneration cost shall be proportionate to remaining volume in the sale.

Sale Volume (ALL Vol./Products) _____ CCF X \$0.25 (NFF) 1,212 \$0.25 \$303.00 % Adjustment For Partial Cut Stands

Select Either (A) or (B)

(A) Green Sale - Required Regen Cost \$ 100% Sawtimber Vol. = \$0.00 100% \$0.00 (d) 0%

(B) Salvage Sales enter % Live Sawtimber Volume;
 For Partial Cut Stands Use Previously Cut Worksheet.

Total: \$303.00 (a)

<u>Species Groups</u>	<u>Volume (CCF)</u>	<u>Minimum Rates 1/</u>		<u>Base Rates 2/</u>	
		Per CCF	Total	Per CCF	Total
WP, PP, C	255	\$5.00	\$1,275.00	\$5.00	\$1,275.00
All other species (list)	755	\$3.00	\$2,265.00	\$3.00	\$2,265.00
Nonsawtimber (all species)	202	\$1.00	\$202.00	\$1.00	\$202.00
TOTALS	1212	XXXXX	\$3,742.00	XXXXX	\$3,742.00
			(b)		
Sawtimber (Appraisal) Volume	1010				
		Weighted Average Minimum Rate			\$3.50

(a) - (b) = (c) amount need in addition to base rates (plus \$.25/CCF) -\$3,439.00 (c)

Note: If minimum rate total (b) => (a) no adjustment needed No Adjustment

Adjustment To Minimum Rate:
 \$ _____ (c) / (Total Sawtimber Volume) CCF = \$ ____/CCF 0 1,010 \$0.00

1/ Minimum rates: FSH 2409.22, Chp 80, Sect. 81
 (Base rates for Sawtimber can be weighted if appraising and advertising as a single species group (DF,O))

2/ Minimum rate + adjustment = Base Rate

FACTS INFORMATION
 (Enter Sale Information - SAIP100)

Amount of Stumpage Available for Protected KV at Base Rates = \$0.00
 (The only stumpage available for KV at advertised rates is when KV is protected by base rates)

EROSION CONTROL

Seed mix is to be included in C(T)6.601# - Erosion Control Seeding and Special Project Specifications (SPS) 625.05 in Road Package.

Make sure that the seed mix and fertilizer are the same in both Contract and Road Package.

Site specific areas, such as gravel pits and very dry sites may call for more and/or different species in the mix. Document below the rationale for deviation from the standard seed mix.

Species of Seed	Pounds per Acre
-----------------	-----------------

Winter Wheat	18
Hard Fescue	6
Orchard Grass	6
Mountain Brome	4
Annual Rye	6

TOTAL	40
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Type of Fertilizer	Pounds per Acre
--------------------	-----------------

25-10-10 or 27-12-12 or 34-16-10	240
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TOTAL	240
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Crossdrains

Installation of crossdrains on temporary roads, skid trails and firelines are included in their respective cost allowance.

Scarification - Landings and Skid Trails ONLY

acres @ per acre =

Seed and Fertilizer

If Temp Road seeding is not included in Temp Road worksheet then enter here

Temporary Roads feet = acres
 Firelines feet = acres

Skid Trails

Number of acres to be skidded using ground based systems times the percentage of area requiring seed and fertilizer. acres X % = acres

Number of acres to be yarded using cable systems times the percentage of area requiring seed and fertilizer. acres X % = acres

Landings

Number of landings X acres per landing = acres

landings - .10 of landing has exposed grd. suitable for seed. **TOTAL** acres

	Tractor	Ground Lead	Skyline	Aerial Heli	Forwarder	Horse
Acres	42	0	0	0	0	0

Seed mix, fert., labor costs:

	<u>Lbs / Acre</u>		<u>\$ / Lb</u>	=	<u>\$ per Acre</u>
Winter Wheat	18	X	\$7.90	=	\$142.20
Hard Fescue	6	X	\$7.90	=	\$47.40
Orchard Grass	6	X	\$7.90	=	\$47.40
Montain Brome	4	X	\$7.90	=	\$31.60
Annual Rye	6	X	\$7.90	=	\$47.40
Fertilizer	240	X	\$0.41	=	\$98.40
*Labor per Acre				=	\$40.00
				\$ per acre	\$454.40

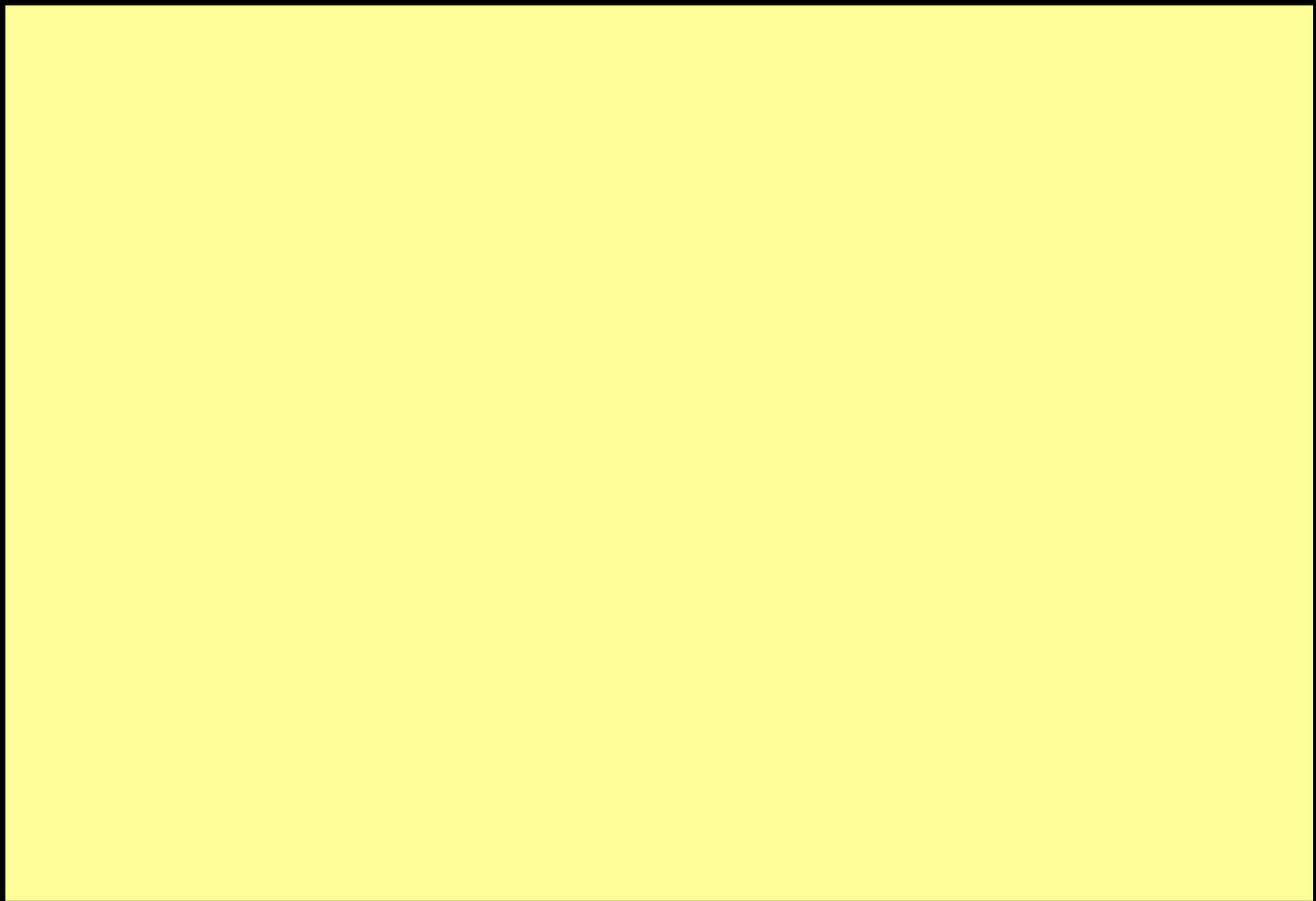
Total cost for

SEEDING	0.9	acres	X	\$316.00	\$/acre	=	\$284.40
FERTILIZER	0.9	acres	X	\$98.40	\$/acre	=	\$88.56
LABOR	0.9	acres	X	\$40.00	\$/acre	=	\$36.00
SCARIFICATION							\$0.00
TOTAL							\$408.96

\$408.96 COST / **1010** CCF = **\$0.40** PER CCF

* Engineers estimate Page 114 of the Cost Guide Item Labor Rates.

Document Rational for Changes to Standard Seed Mix.



TIMBER SALE CONTRACT INFORMATION

Tim Gate 4 - Contract Preparation information (ADVR114)

Normal Operating Season
(ADVR114, Page 1)

			Units
First Period :	1-Jul	to Sept 30th	1
Second Period:			

(Note: If sale has more than one NOS - List dates and units for each NOS in A16 or AT13 of Timber Sale Contract)

Periodic Payment Schedule

Approximate Award Date: mm/dd/yy

(And Road Completion Date if roads are included.)

Road Completion Date: mm/dd/yy
(ENTER N/A if no roads)

Contract Termination Date: mm/dd/yy

TIM - Input at Gate 4 - Prospectus, Bid and Misc. Information - Page 1 (ADVR115)

Approximate Payment Date: * This Date is for Information Only.TIM will Calculate Official Date.

As per B(T) 4.213, Periodic Payment Schedule, a periodic payment will be required. The approximate periodic payment date is XXXX. The final date will be based on the award date of this timber sale contract.

FIRE LIABILITY CALCULATION (ADVR114, Page 4)

5 CCF / man day --- 120 operating days / year --- 600 CCF / man year --- 12 hrs / shift --- 5 shifts / w
AD-C Firefighter wage is updated yearly, ~March (FSH 5109.34 Chp 10). Link below to directive.

- (A) Total Volume = CCF
- (B) Sale Duration = YEARS *(Calculated from Award Date to Termination Date)*
- (C) Operating Days in Sale = (Sale Duration X 120 days.)
- (D) CCF Per Day = (Total Volume / Operating Days in Sale)
- (E) Men Needed to Log Sale = (CCF Per Day / 5 CCF)
- (F) Liability = (Wage Rate AD-C) (hrs/shift) X (# shifts) X
http://www.fs.fed.us/r1/fire/nrcg/Committees/business_committee.htm
 (# men) = TOTAL LIABILITY =

Round up to nearest \$50.00 up to \$200.00, then round up to nearest \$100.00

ROUNDED TOTAL =

Use this sheet to calculate advertised value and to convert \$/CCF to \$/Tons.

Attach this sheet to the 2400-17 for Documentation.

Sawtimber Rate from the 2400-17 \$19.17

Conversion to Tons

	<u>Adv. Rate</u>	<u>CCF Vol</u>	<u>Tons</u>	<u>Weighted Average Bidding</u>	<u>Total Value Bidding</u>
Sawtimber	\$19.17	1010	2978	\$6.50	\$6.57
Non_Saw	\$1.00	202	610	\$0.33	\$6.57
Base Rate (Sawtimber)	\$3.50	1010	2978	\$1.19	\$1.19
Total Sale Value				\$19,563.70	