

Contract Name: West Scriver Stewardship

K-C.3.0.1# - CUTTING UNIT BOUNDARIES (11/2006)

The boundaries of cutting units are designated as shown in the following table. The trees used for boundary designation are not to be cut.

See Cutting Unit Boundary Designation Table

K-C.3.0.1# - CUTTING UNIT BOUNDARIES. (11/06)

Cutting Unit Boundary Designation Table

Cutting Unit	Paint Color	Designation
ALL	Orange	A horizontal band of orange paint on three sides of intervisible cutting unit boundary trees with vertical streaks of orange paint indicating the general direction of the boundary. Within the three-sided box formed by the paint streaks, an orange painted cutting unit number faces the area to be cut.

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K-C.3.5.8# - INDIVIDUAL TREES (LEAVE TREE MARKING) (06/2013)

Notwithstanding C.3.5, all live, dead and windthrown trees meeting utilization standards in A.2, in units shown as LTM/DxSPP on the Contract Area Map, are designated for cutting. Trees to be left uncut are marked above and below stump height as shown in the table below.

In addition to trees marked above and below stump height, all Ponderosa pine trees shall be left uncut.

See Leave Tree Marking Table

K-C.3.5.8# - INDIVIDUAL TREES (LEAVE TREE MARKING). (04/02/13)

Leave Tree Marking Table

Cutting Unit	Paint Color
ALL	Orange

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K-E.2.1.5 - DEPOSITS WHEN PAYMENT GUARANTEED (05/2010)

To the extent payment guarantee is provided under E.3, requirements for advance cash deposits under E.2.1.2 shall be waived for the value of Included Timber removed except for:

- (a) Base Rates,
- (b) associated charges, and
- (c) the value of Included Timber exceeding the sum of stewardship credits that have not been established under E.2.2 for mandatory stewardship projects listed in A.4.3 plus optional stewardship projects listed in A.4.3 authorized by Contracting Officer.

Charges for (a), (b) and (c) shall be waived for not more than a monthly billing period, subject to the provisions of E.4.

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K-E.4 - PAYMENTS NOT RECEIVED (08/2012)

(a) Payments are due and payable on the date of issue indicated on the bill for collection. When a payment for timber cut and other charges is not received at the location designated by Forest Service by the date specified in the bill for collection, Contracting Officer will suspend all or any part of Contractor's Operations until payment or acceptable payment guarantee is received. Other charges include, but are not limited to:

- (i) Slash disposal, road maintenance, and contract scaling deposits;
- (ii) Cooperative work at rates established by specific agreement under E.2.1.8;
- (iii) Damages pursuant to J.4;
- (iv) Road use fees;
- (v) Restoration of downpayment pursuant to E.2.2;
- (vi) Periodic payments pursuant to E.2.1.3;
- (vii) Extension Deposits pursuant to E.2.1.7; and
- (viii) Other mandatory deposits.

(b) Failure to pay amounts due by the date specified in the bill for collection shall be considered a breach under J.3. The 30-day notice period prescribed therein shall begin to run as of the end of business on the date specified for receipt of payments. If the performance or payment is guaranteed by surety bond, the surety will receive a copy of the written notification of breach. Demand will be made on the surety or other institution providing the guarantee or bond instrument for immediate payment 10 days after issuance of written notification of the breach.

(c) Pursuant to the Debt Collection Improvement Act of 1996, as amended, if payment is not received by Forest Service within 15 days after the date of issue indicated on the bill for collection:

(i) Simple interest shall be assessed at the Current Value of Funds Rate as established by the Secretary of the Treasury. Interest will begin to accrue as of the date of issue indicated on the initial bill for collection.

(ii) Debtors will be assessed administrative charges, in addition to the delinquent amount due. Administrative charges are those additional costs incurred by the Government in processing, handling, and collecting delinquent debts.

(iii) A penalty charge of six (6) percent per annum will be assessed on any portion of a debt delinquent more than 90 days. This penalty charge is in addition to interest and administrative charges under paragraphs (c) (i) and (c) (ii). The penalty charge shall accrue from the date of issue indicated on the bill for collection and shall be assessed on all outstanding amounts, including interest and administrative costs assessed under paragraphs (c) (i) and (c) (ii).

(iv) Payments will be credited on the date received by the Federal Depository or Collection Officer designated on the bill for collection.

(d) Forest Service remedies for Contractor's failure to make payment for timber cut and other charges when due, except for accrual of interest, suspension of all or any part of Contractor's Operations, and administrative offset, shall be stayed for so long as:

- (i) A bona fide dispute exists as to Contractor's obligation to make such payment and
- (ii) Contractor files and prosecutes a timely Claim.

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K-F.1.1.2# - USE OF ROADS BY CONTRACTOR (09/2004)

Contractor's use of existing roads identified on Contract Area Map by the following codes is prohibited or subject to restrictive limitations, unless agreed otherwise:

Code	Use Limitations
X	Hauling prohibited
R	Hauling restricted
U	Unsuitable for hauling prior to completion of agreed reconstruction
P	Use prohibited
A	Public use restriction
W	Regulation waiver

Roads coded A will be signed by Forest Service to inform the public of use restrictions. Contractor's use of roads coded R, A, or W shall be in accordance with the following restrictions:

See Restricted Road List Table.

K-F.1.2# – USE OF ROADS BY CONTRACTOR. (9/04)

Restricted Road List

Road Number	Road Name	Termini		Map Legend	Description of Restrictions
		From	To		
693	Sriver Creek	MP 1.7	MP 10.4	R	Log hauling is restricted on weekends (all day Saturday and Sunday); all major holidays (New Years, Memorial Day, Independence Day, Labor day, Thanksgiving and the day after, Christmas Eve and Christmas Day); and the opening day of deer, elk, and turkey general hunting seasons. Log haul is restricted between December 15 th through March 15 th due to groomed snowmobile trails
695	Middle Fork Sriver	MP 0.0	MP 6.0	R	
696	West Fork Sriver	MP 0.0	MP 9.0	R	

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K-F.1.3# - ROAD COMPLETION DATE (09/2004)

Construction of Specified Roads shall be completed no later than 10/31/2015; except for earlier construction completion dates for roads listed below:

Road Number	Road Name	Station		Completion Date
		From	To	

Completion date is binding on the party that constructs road, whether Contractor or Forest Service. Contracting Officer may modify the completion date in writing to conform to the Technical Proposal under G.3.1.1 at the request of Contractor.

When Contractor elects Forest Service construction of Specified Roads shown in contract advertisement, Forest Service may adjust construction completion date when road construction is delayed or interrupted for causes that qualify for an adjustment of the completion date of Forest Service's road construction contract. When qualifying delays or interruptions of road construction occur, Forest Service shall evaluate such occurrences and document any findings. The current status of any adjustment shall be available to Contractor on request. Promptly after the end of Normal Operating Season in which qualifying days occur, Forest Service shall give Contractor written notice of (a) number of qualifying days claimed, and (b) new construction completion dates. After all road construction is complete, Forest Service shall grant Contract Term Adjustment. Such adjustment shall be limited to road completion date delays that occurred during Normal Operating Season.

If Forest Service is responsible for road construction and the actual date of road completion is 1 year or more after the completion date stated above, Contractor may request a rate redetermination under D.3 for remaining volume. Such request must be made within 30 days of notification that road construction has been completed. Upon receipt of such request, Forest Service shall redetermine rates using standard methods in effect on the completion date of road construction. Rates to be established shall apply to all timber removed from Contract Area after the effective date of the rate redetermination.

Forest Service shall in no way be responsible for any delay or damage caused by road contractor in performing the road construction, except such delay as may be the fault or negligence of Forest Service.

When Contractor constructs Specified Roads and requests Contract Term Adjustment, completion dates shall be adjusted by number of days that qualify for such adjustment, provided such qualifying days occur before specified construction completion date. When Contractor desires to construct an alternate facility under F.2.6, Forest Service and Contractor shall agree, in writing, on a construction completion date for alternate facility. Contract Term Adjustment as noted above will apply. Completion date shall be adjusted where a Design Change or physical changes necessitate a modification of Specified Road construction work that increases the scope or magnitude of the required work.

If Contractor fails to complete construction of any or all Specified Roads by applicable completion date, as adjusted, Contract Term Extension shall not be granted.

As used in this provision, construction of a road is completed when:

(a) Contractor constructs Specified Roads and Forest Service furnishes Contractor with written notice of acceptance under G.3.6 or

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(b) Forest Service constructs road and furnishes Contractor with written notice authorizing use of road.

Notwithstanding F.1, Contractor shall not use a road that Contractor has elected for Forest Service to construct, until construction is completed and Forest Service furnishes Contractor with written notice authorizing use of road.

K-F.2.1.3# - DEPOSIT FOR RECONSTRUCTION ENGINEERING SERVICES (09/2004)

Contractor shall make a cash deposit for engineering services (preconstruction and construction) provided by Forest Service for reconstruction of National Forest system roads necessary to accommodate Contractor's use under this contract, pursuant to 16 USC 537.

The total amount to be deposited by Contractor for reconstruction related engineering services to be completed by Forest Service personnel or by public works contract is \$ \$110,670.00. Contractor shall make this deposit at the end of the first full Normal Operating Season or 12 months from contract award, whichever occurs first. In the event a different deposit schedule is agreed to, such deposit shall be due within 15 days after the date of issue indicated on the initial bill for collection, pursuant to E.4.

The amount of the required deposit will be shown as an associated charge on Contractor's Integrated Resource Account. Forest Service shall retain any unexpended deposit for reconstruction related engineering services.

The deposit for reconstruction related engineering services shall be commensurate with project need and Contractor's road use. Forest Service shall complete reconstruction related engineering services on the following schedule unless a different completion schedule is agreed in writing:

Road or Facility No.	Termini From	To	Engineering Services Completion Date
Road-693	0	1.7	10/31/2015
Road-693M	0	2.34	10/31/2015
Road-693M1	0	.6	10/31/2015
Road-693N	0	.45	10/31/2015
Road-693O	0	3.52	10/31/2015
Road-693R	0	1.4	10/31/2015
Road-694	0	1.47	10/31/2015
Road-695	0	4.15	10/31/2015
Road-695A	0	.66	10/31/2015
Road-695B	0	.53	10/31/2015
Road-695D	0	.15	10/31/2015
Road-695D1	0	1.14	10/31/2015
Road-695E	0	.09	10/31/2015
Road-696	0	3.5	10/31/2015
Road-696	3.5	8.23	10/31/2015
Road-696D	0	.52	10/31/2015
Road-696D1	0	.58	10/31/2015

Reconstruction related engineering services may consist of some or all of the engineering work and expense of: preparing, setting out, controlling, inspecting, and measuring the reconstruction of a National Forest system road.

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K-F.2.2.1# - MATERIAL SOURCES (09/2004)

Sources of local materials are designated on Plans and Contract Area Map. Forest Service assumes responsibility for the quality and quantity of material in designated sources. Contractor shall determine the equipment and work required to produce the specified product, including the selection of acceptable material that is reasonably available in the source that meets specifications. The designation of source includes the rights of Contractor to use certain area(s) for plant site, stockpiles, and haul roads.

Should the designated source, due to causes beyond the control of Contractor, contain insufficient acceptable material, Forest Service will provide another source with adjustment in accordance with F.2.5.3.

When Contractor elects not to use designated sources, Contractor shall furnish the specified product with no adjustment in unit rates. Quality testing shall be the responsibility of Contractor. Test results shall be furnished to Forest Service.

When Contractor elects not to use designated sources and the Schedule of Items lists pit development separately, cost allowance will be reduced under F.2.5.3 when Forest Service determines the work will not be required.

When materials are subject to a weight measurement, the specific gravity or weight/volume relationship used as a basis for determination of estimated quantities shall be:

Source I N/A, Source II N/A, and Source III N/A.

Contractor may, when agreed in writing, use on the project such suitable stone, gravel, and sand, or other material found in the excavation, and will earn a cost allowance for the excavation of such materials at the corresponding contract unit price and for the pay items for which the excavated material is used. Contractor shall replace, without additional cost allowance, sufficient suitable materials to complete the portion of the work that was originally contemplated to be constructed with such material. Contractor shall not excavate or remove any material, except that which is within the excavation limits, without written authorization from Forest Service.

When material is appraised from non-National Forest designated sources, owner charges for the material in terms of unit cost for royalties, purchase of raw materials, or finished products shall be as follows until N/A:

See Material Source Table.

Should quantity vary from that estimated, payment to owners shall be for units actually obtained. Contractor shall make arrangements with owner(s) for measurement and payment for royalties, purchase of raw materials, or finished products, as shown above.

Materials produced or processed from National Forest lands in excess of the quantities required for performance of this contract are the property of Forest Service, unless prior written agreement has been obtained to use excess material on other National Forest contracts. Forest Service is not obligated to reimburse Contractor for the cost of their production.

Materials shall be stored to assure the preservation of their quality and fitness for the work. Stored materials shall be located to facilitate their prompt inspection. Sites on Forest Service administered land, approved by Forest Service, may be used for storage purposes and for the placing of Contractor's

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plant equipment. All storage sites provided by Forest Service shall be restored at Contractor's expense. Contractor shall be responsible for making arrangements for storage on other than Forest Service administered lands.

When the construction of the portion of the project for which Temporary Roads used for hauling materials is completed, all such Temporary Roads shall be restored as nearly as practicable to their original ground profile, unless otherwise agreed in writing.

K-F.2.2.1# – MATERIAL SOURCES. (9/04)

Material	Type of Purchase	Owner(s)	Unit of Measure	Unit Price	Estimated Quantity	Total
N/A						

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K-F.2.2.4# - CRUSHED AGGREGATE (11/2006)

There is no designated source for Item(s) 32232C. The crushed aggregate is appraised from stockpile(s) located at Ferncroft Pit, T. 10 N., R. 2 E., Section 35. If Contractor elects to use the above material, a Timber Purchaser's Request Form (form FS 2400-16), will be executed and advance payment shall be made to Forest Service prior to removing the material from the stockpile. The advance deposit will be the sum of the contract designed quantity at the rate of \$ 3.00, and an administrative charge of 1.00.

Changes that increase, or decrease, the designated quantity shall require an additional advance deposit, or refund, calculated in the same manner as the original advance deposit. Whenever Contractor furnishes material from an undesignated source, including other Forest Service sources, such material will be subject to K-F.2.2.1# and must meet the specifications for its intended use.

K-F.3.1# - ROAD MAINTENANCE REQUIREMENTS (09/2004)

Contractor shall maintain roads in accordance with the following Contract Road Maintenance Requirements Summary:

See Contract Road Maintenance Requirements Summary Table.

K-F.3.1# – ROAD MAINTENANCE REQUIREMENTS. (9/04)

Contract Road Maintenance Requirements Summary

Road	Termini		Miles	Applicable Prehaul Road Maintenance Specifications									
	From	To		T-801	T-802	T-803	T-804	T-805	T-806	T-807	T-808		
693	MP 1.7	MP 4.7	3.0	P	P	P	P	P	P	P	P		
693	MP 4.7	MP10.4	5.7	P	P	P	P	P	P	P	P		
693M	MP 0.0	MP 2.3	2.3	P	P	P	P	P	P	P	P		
693M1	MP 0.0	MP 0.6	0.6	P	P	P	P	P	P	P	P		
693N	MP 0.0	MP 0.4	0.4	P	P	P	P	P	P	P	P		
693N1	MP 0.0	MP 0.9	0.9	P	P	P	P	P	P	P	P		
693O	MP 0.0	MP 3.5	3.5	P	P	P	P	P	P	P	P		
693P	MP 0.0	MP 0.3	0.3	P	P	P	P	P	P	P	P		
693R	MP 0.0	MP 1.4	1.4	P	P	P	P	P	P	P	P		
693S	MP 0.0	MP 0.2	0.2	P	P	P	P	P	P	P	P		
693T	MP 0.0	MP 0.3	0.3	P	P	P	P	P	P	P	P		
694	MP 0.0	MP 1.5	1.5	P	P	P	P	P	P	P	P		
695	MP 0.0	MP 4.2	4.2	P	P	P	P	P	P	P	P		
695A	MP 0.0	MP 0.7	0.7	P	P	P	P	P	P	P	P		
695B	MP 0.0	MP 1.1	1.1	P	P	P	P	P	P	P	P		
695D	MP 0.0	MP 0.2	0.2	P	P	P	P	P	P	P	P		
695D1	MP 0.0	MP 1.1	1.1	P	P	P	P	P	P	P	P		
695E	MP 0.0	MP 1.5	1.5	P	P	P	P	P	P	P	P		
695E2	MP 0.0	MP 0.2	0.2	P	P	P	P	P	P	P	P		
696	MP 0.0	MP 8.2	8.2	P	P	P	P	P	P	P	P		
693A	MP 0.0	MP 0.2	0.2	P	P	P	P	P	P	P	P		
696B1	MP 0.0	MP 0.7	0.7	P	P	P	P	P	P	P	P		
696D	MP 0.0	MP 1.6	1.6	P	P	P	P	P	P	P	P		
696D1	MP 0.0	MP 0.9	0.9	P	P	P	P	P	P	P	P		

P = Contractor Performance Item, D = Deposit to Forest Service, D3 = Deposit to Third Party

Contract Road Maintenance Requirements Summary Cont.

Road	Termini		Miles	Applicable During Haul Road Maintenance Specifications									
	From	To		T-801	T-802	T-803	T-804	T-805	T-806	T-807	T-808		
693	MP 0.0	MP 4.7	3.0	P	P	P	P	P	P	P			
693	MP 0.0	MP10.4	5.7	P	P	P	P	P	P	P			
693M	MP 1.7	MP 2.3	2.3	P	P	P	P	P	P	P			
693M1	MP 0.0	MP 0.6	0.6	P	P	P	P	P	P	P			
693N	MP 0.0	MP 0.4	0.4	P	P	P	P	P	P	P			
693N1	MP 0.0	MP 0.9	0.9	P	P	P	P	P	P	P			
693O	MP 0.0	MP 3.5	3.5	P	P	P	P	P	P	P			
693P	MP 0.0	MP 0.3	0.3	P	P	P	P	P	P	P			
693R	MP 0.0	MP 1.4	1.4	P	P	P	P	P	P	P			
693S	MP 0.0	MP 0.2	0.2	P	P	P	P	P	P	P			
693T	MP 0.0	MP 0.3	0.3	P	P	P	P	P	P	P			
694	MP 0.0	MP 1.5	1.5	P	P	P	P	P	P	P			
695	MP 0.0	MP 4.2	4.2	P	P	P	P	P	P	P			
695A	MP 0.0	MP 0.7	0.7	P	P	P	P	P	P	P			
695B	MP 0.0	MP 1.1	1.1	P	P	P	P	P	P	P			
695D	MP 0.0	MP 0.2	0.2	P	P	P	P	P	P	P			
695D1	MP 0.0	MP 1.1	1.1	P	P	P	P	P	P	P			
695E	MP 0.0	MP 1.5	1.5	P	P	P	P	P	P	P			
695E2	MP 0.0	MP 0.2	0.2	P	P	P	P	P	P	P			
696	MP 0.0	MP 8.2	8.2	P	P	P	P	P	P	P			
693A	MP 0.0	MP 0.2	0.2	P	P	P	P	P	P	P			
696B1	MP 0.0	MP 0.7	0.7	P	P	P	P	P	P	P			
696D	MP 0.0	MP 1.6	1.6	P	P	P	P	P	P	P			
696D1	MP 0.0	MP 0.9	0.9	P	P	P	P	P	P	P			

P = Contractor Performance Item, D = Deposit to Forest Service, D3 = Deposit to Third Party

Contract Road Maintenance Requirements Summary Cont.

Road	Termini		Miles	Applicable Post Haul Road Maintenance Specifications									
	From	To		T-801	T-802	T-803	T-804	T-805	T-806	T-807	T-808	T-809	T-810
693	MP 1.7	MP 4.7	3.0	P	P	P	P	P		P			
693	MP 4.7	MP 10.4	5.7	P	P	P	P	P		P			
693M	MP 0.0	MP 2.3	2.3	P	P	P		P				P	
693M1	MP 0.0	MP 0.6	0.6		P	P		P				P	
693N	MP 0.0	MP 0.4	0.4		P	P		P				P	
693N1	MP 0.0	MP 0.9	0.9		P	P		P				P	
693O	MP 0.0	MP 3.5	3.5	P	P	P		P				P	
693P	MP 0.0	MP 0.3	0.3		P	P		P				P	
693R	MP 0.0	MP 1.4	1.4	P	P	P		P		P		P	
693S	MP 0.0	MP 0.2	0.2		P	P		P				P	
693S	MP 0.0	MP 0.2	0.2		P	P		P				P	
693T	MP 0.0	MP 0.3	0.3		P	P		P				P	
694	MP 0.0	MP 1.5	1.5	P	P	P	P	P				P	
695	MP 0.0	MP 4.2	4.2	P	P	P	P	P		P			
695A	MP 0.0	MP 0.7	0.7	P	P	P		P		P		P	
695B	MP 0.0	MP 1.1	1.1	P	P	P		P				P	
695D	MP 0.0	MP 0.2	0.2	P	P	P		P		P		P	
695D1	MP 0.0	MP 1.1	1.1	P	P	P		P		P		P	
695E	MP 0.0	MP 1.5	1.5		P	P		P				P	
695E2	MP 0.0	MP 0.2	0.2	P	P	P		P				P	
696	MP 0.0	MP 8.2	8.2	P	P	P	P	P		P			
693A	MP 0.0	MP 0.2	0.2	P	P	P		P				P	
696B	MP 0.0	MP 0.4	0.4	P	P	P		P				P	
696B1	MP 0.0	MP 0.7	0.7	P	P	P		P				P	
696D	MP 0.0	MP 1.6	1.6	P	P	P		P		P		P	
696D1	MP 0.0	MP 0.9	0.9	P	P	P		P				P	

P = Contractor Performance Item D = Deposit to Forest Service D3 = Deposit to Third Party

ROAD MAINTENANCE PLAN**West Scriver Stewardship****T-801 Slide and Slump Removal**

The maximum volume of Contractor responsibility for Slide and Slump repair shall be 50 cubic yards per 100 lineal feet of roadway.

No slumps or slides are known to exist. If any occur, a suitable disposal location will be identified for unsuitable material.

T-803 Surface Blading

Roads listed in During Haul Maintenance Table with surface blading shall be bladed at intervals of approximately once every 75 loads for aggregate surface roads and once every 50 loads for native surface roads or as needed.

Designated water sources are shown on the Contract Area Map.

T-806 Dust Abatement

See T-803 for water sources.

<u>Road</u>	<u>Type of Material</u>	<u>Application Rate</u>	<u>Frequency</u>
654	Water	N/A	As needed
654E	Water	N/A	As needed
693	Calcium Chloride	0.38 Gallons/SY	* At least once per season *
693M	Water	N/A	As needed
693M1	Water	N/A	As needed
693N	Water	N/A	As needed
693N1	Water	N/A	As needed
693O	Water	N/A	As needed
693P	Water	N/A	As needed
693R	Water	N/A	As needed
693S	Water	N/A	As needed
693T	Water	N/A	As needed
694	Water	N/A	As needed
695	Water	N/A	As needed
695A	Water	N/A	As needed
695B	Water	N/A	As needed
695D	Water	N/A	As needed
695D1	Water	N/A	As needed
695E	Water	N/A	As needed
695E2	Water	N/A	As needed
696	Water	N/A	As needed
696A	Water	N/A	As needed
696B	Water	N/A	As needed
696B1	Water	N/A	As needed
696D	Water	N/A	As needed
696D1	Water	N/A	As needed

* Calcium Chloride - applied only once per season on road segments used for haul.

T-807 Roadway Vegetation

Vegetation removed from roads listed in Pre-Haul and Post Haul Tables shall be treated as described in K-G.7# - Slash Treatment

T-809 Waterbars

<u>Road</u>	<u>Number of waterbars</u>
693M	62
693M1	16
693N	12
693N1	25
693O	93
693P	9
693R	37
693S	6
693T	8
694	39
695A	18
695B	31
695D	8
695D1	31
695E	42
695E2	6
696A	6
696B	11
696B1	20
696D	85
696D1	25

T-810 Barriers

<u>Road</u>	<u>Type of Barrier</u>
693S	Earth Barrier
693T	Earth Barrier
695A	Earth Barrier
695B	Earth Barrier
695E	Earth Barrier
696B	Earth Barrier
696B1	Earth Barrier

Road Maintenance T-Specifications

for

West Scriver Stewardship

To be used with Contract Form 2400-13, K-F.3.1#

No.	Specification Title
T-800	Definitions
T-801	Slide and Slump Repair
T-802	Ditch Cleaning
T-803	Surface Blading
T-804	Surfacing Repair
T-805	Drainage Structures
T-806	Dust Abatement
T-807	Roadway Vegetation
T-808	Miscellaneous Structures
T-809	Waterbars
T-810	Barriers

SPECIFICATION T-800 DEFINITIONS

Wherever the following terms or pronouns are used in Specifications T-801 through T-810, the intent and meaning shall be interpreted as follows:

800-1.1 - Agreement. Maintenance projects require a mutually acceptable method to resolve the problems which arise when incompatible situations arise between drawings and specifications and actual conditions on the ground to allow orderly and satisfactory progress of the maintenance.

These specifications have been developed in anticipation of those problem areas and have provided that such changes will be by Agreement.

It is intended that drawings and specifications will govern unless "on-the-ground" conditions warrant otherwise, when specifications call for "Agreement", "agreed", or "approval" such Agreement or approval shall be promptly confirmed in writing.

800-1.2 - Annual Road Maintenance Plan. A plan prepared by various users of one or several roads. The plan is an Agreement on maintenance responsibilities to be performed for the coming year.

800-1.3 - Base Course. Material used to reinforce Subgrade or, as shown on drawings, placed on Subgrade to distribute wheel loads.

800-1.4 - Berm. Curb or dike constructed to prevent Roadway runoff water from discharging onto embankment slope.

800-1.5 - Borrow. Select Material taken from designated borrow sites.

800-1.6 - Crown, Inslope, and Outslope. The cross slope of the Traveled Way to aid in drainage and traffic maneuverability.

800-1.7 - Culverts. A conduit or passageway under a road, trail, or other obstruction. A culvert differs from a bridge in that it is usually entirely below the elevation of the Traveled Way.

800-1.8 - Drainage Dip. A dip in the Traveled Way which intercepts surface runoff and diverts the water off the Traveled Way. A Drainage Dip does not block the movement of traffic.

T-800-1

800-1.9 - Drainage Structures. Manufactured structures which control the runoff of water from the Roadway including Inslope, overside drains, aprons, flumes, downdrains, downpipes, and the like.

800-1.10 - Dust Abatement Plan. A table which lists the road, dust palliative, application rates, and estimated number of subsequent applications.

800-1.11 - Lead-off Ditches. A ditch used to transmit water from a Drainage Structure or Drainage Dip outlet to the natural drainage area.

800-1.12 - Material. Any substances specified for use in the performance of the work.

800-1.13 - Prehaul Maintenance. Road maintenance work which must be accomplished to maintain the roads to a satisfactory condition commensurate with the Contractor's use, provided Contractor's Operations do not damage improvements under G.2.2 or National Forest resources and hauling can be done safely. This work will be shown in the Annual Road Maintenance Plan as provided in K-F.3.1#.

Prehaul Maintenance work the Contractor elects to perform will be in compliance with the Road Maintenance T-Specifications.

800-1.14 - Roadbed. The portion of a road between the intersection of Subgrade and sideslopes, excluding that portion of the ditch below Subgrade.

800-1.15 - Road Maintenance Plan. A table which shows applicable road maintenance specifications to be performed by Contractor on specific roads.

800-1.16 - Roadside. A general term denoting the area adjoining the outer edge of the Roadway.

800-1.17 - Roadway. The portion of a road within the limits of excavation and embankment.

800-1.18 - Shoulder. That portion of Roadway contiguous with Traveled Way for accommodation of stopped vehicles, for emergency use, and lateral support of base and Surface Course, if any.

800-1.19 - Slide. A concentrated deposit of Materials from above or on backslope extending onto the Traveled Way or Shoulders, whether caused by mass land movements or accumulated raveling.

800-1.20 - Slough. Material eroded from the backslope which partially or completely blocks the ditch, but does not encroach on the Traveled Way so as to block passage of traffic.

800-1.21 - Slump. A localized portion of the Roadbed which has slipped or otherwise become lower than that of the adjacent Roadbed and constitutes a hazard to traffic.

800-1.22 - Special Project Specifications. Specifications which detail conditions and requirements peculiar to the individual project.

800-1.23 - Subgrade. Top surface of Roadbed upon which Base Course or Surface Course is constructed. For roads without Base Course or Surface Course, that portion of Roadbed prepared as the finished wearing surface.

800-1.24 - Surface Course. The Material placed on Base Course or Subgrade primarily to resist abrasion and the effects of climate. Surface Course may be referred to as surfacing.

800-1.25 - Surface Treatment Plan. A table which lists the roads and surface treatments to be applied.

800-1.26 - Traveled Way. That portion of Roadway, excluding Shoulders, used for the movement of vehicles.

800-1.27 - Turnouts. That portion of the Traveled Way constructed as additional width on single lane roads to allow for safe passing of vehicles.

800-1.28 - Water Source. A place designated on the Road Maintenance Map for acquiring water for road maintenance purposes.

800-1.29 - Waterbar. A dip in the Roadbed which intercepts surface runoff and diverts the water off the Roadway. A Waterbar is not designed to be traversable by logging trucks.

SPECIFICATION T-801 SLIDE AND SLUMP REPAIR

DESCRIPTION

1.1 Slide removal is the removal from Roadway and disposal of any Material, such as soil, rock, and vegetation that cannot be routinely handled by a motorgrader during Ditch Cleaning, T-802, and Surface Blading, T-803 Operations.

Slump repair is the filling of depressions or washouts in Roadway which cannot be routinely filled by a motor grader during Surface Blading, T-803 Operations.

Slide removal and Slump repair includes excavation, loading, hauling, placing, and compacting of waste or replacement Material and the development of disposal or borrow areas.

REQUIREMENTS

3.1 Slide Material, including soil, rock and vegetative matter which encroaches into the Roadway, shall be removed. The slope which generated the Slide Material shall be reshaped during the removal of the Slide Material with the excavation and loading equipment. Slide Material deposited on the fillslope and below the Traveled Way will not be removed unless needed for slope stability or to protect adjacent resources.

Surface and Base Courses shall not be excavated during Slide removal operations.

Slide Material which cannot be used for other beneficial purposes shall be disposed of at disposal sites shown on Contract Area Map. Material placed in disposal sites will not require compaction unless compaction is shown on Road Maintenance Plan.

T-801-1

3.2 When filling Slumps or washouts, Material shall be moved from agreed locations or borrow sites, placed in layers, and compacted by operating the hauling and spreading equipment uniformly over the full width of each layer.

Existing aggregate surfacing shall be salvaged when practical and relaid after depressions have been filled.

Damaged aggregate base, aggregate surfacing, and bituminous pavement shall be repaired under Specification T-804 Surfacing Repair.

The repaired areas of the Slump shall conform to the cross-section which existed prior to the Slump and shall blend with the adjacent undisturbed Traveled Way.

3.3 The maximum volume of Contractor responsibility for Slide and Slump repair is shown on Road Maintenance Plan. Greater volumes of Slide and Slump repair not qualifying as Catastrophic Damage are Forest Service responsibility.

T-801-2

SPECIFICATION T-802 DITCH CLEANING

DESCRIPTION

1.1 Ditch cleaning is removing and disposing of all Slough Material from Roadway ditches to provide a free-draining waterway.

REQUIREMENTS

3.1 Ditch cleaning shall be repeated during the year as often as necessary to facilitate proper drainage.

3.2 All Slough Material or other debris which might obstruct water flow in the Roadway ditch shall be removed. Material removed from the ditch, if suitable, may be blended into existing native road surface or Shoulder or placed in designated Berms in conjunction with Surface Blading T-803 operations.

Material removed from ditches that is not by Agreement blended into existing roads or placed in Berms shall be loaded and hauled to the disposal site designated by the Forest Service.

3.3 Roadway backslope or Berm shall not be undercut.

T-802-1

SPECIFICATION T-803 SURFACE BLADING

DESCRIPTION

1.1 Surface blading is keeping a native or aggregate Roadbed in a condition to facilitate traffic and provide proper drainage. It includes maintaining the Crown, Inslope or Outslope of the Traveled Way, Turnouts, and Shoulder; repairing Berms; blending approach road intersections; and cleaning bridge decks, Drainage Dips, and Lead-off Ditches.

REQUIREMENTS

3.1 Surface blading shall be performed before, during, and after Contractor's use as often as necessary to facilitate traffic and proper drainage.

3.2 The surface blading shall preserve the existing cross-section. Surface irregularities shall be eliminated and the surface left in a free-draining state and to a smoothness needed to facilitate traffic. Surface Material which has been displaced to the Shoulders or Turnouts shall be returned to the Traveled Way. The blading operation shall be conducted to prevent the loss of surface Material and to provide for a thorough mixing of the Material being worked.

3.3 Water, taken from Water Sources designated on Contract Area Map, shall be applied during blading if sufficient moisture is not present to cut, mix, or compact the surface Material.

3.4 On native surfaced roads, Material generated from backslope Sloughing, and ditch cleaning may be blended with the surface Material being worked. On aggregate surfaced roads this Material shall not be blended with Surface or Base Course Material unless agreed otherwise.

3.5 Roadway backslopes or Berms shall not be undercut, nor shall new Berms be established unless agreed otherwise.

Berms shall be repaired by placing Material, as needed to restore the Berm, to reasonably blend with existing line, grade, and cross-section.

3.6 Drainage Dips and Lead-off Ditches shall be cleaned and maintained to reasonably blend with existing line, grade, and cross-section.

T-803-1

3.7 Intersecting roads shall be bladed for a distance of 50 feet to assure proper blending of the two riding surfaces.

3.8 Rocks or other Material remaining on the Traveled Way after the final pass that are larger than 4 inches in diameter or are larger than the maximum size of imported surfacing shall be removed from the Traveled Way. Unless otherwise designated by the Forest Service, the oversized Material shall be disposed of by sidecasting. Sidecasting into streams, lakes, or water courses will not be permitted.

3.9 Material resulting from work under this specification shall not remain on or in structures, such as Culverts, overside drains, cattleguards, ditches, Drainage Dips, and the like.

3.10 Material resulting from work under this specification, plus any accumulated debris, shall be removed from bridge decks and the deck drains opened.

SPECIFICATION T-804 SURFACING REPAIR

DESCRIPTION

1.1 Surfacing repair is repairing potholes or small soft areas in the Traveled Way. It includes area preparation and furnishing and placing all necessary Materials, and other work necessary to repair the surface.

MATERIALS

2.1 Material used in the repair of soft areas on aggregate or native surfaced roads may be acquired from approved commercial sources, designated Forest Service Borrow areas, or Borrow sources agreed to. The quality and quantity of the imported Material used in the repair will be limited to that needed to provide a stable Traveled Way for hauling and to minimize damage to the road and adjacent resources. The quantity of imported surface repair Material used in the appraisal estimate will be shown on Road Maintenance Plan. However, the magnitude of the work may vary depending on Contractor's hauling schedule and ground conditions.

2.2 Material used in the repair of bituminous pavements may be acquired from local commercial sources. If a mixing table is required, the location shall be approved by the Forest Service. The bituminous mixture to be used by the Contractor shall be approved by the Forest Service. The Contractor's share of the quantity of bituminous mixture used in the appraisal estimate will be shown on Road Maintenance Plan. However, Contractor's share of the work may vary depending on Contractor's hauling schedule, ground conditions, other traffic, etc.

REQUIREMENTS

3.1 Work under this specification shall be performed in a timely manner to reduce further deterioration of the Traveled Way.

3.2 Soft spots on aggregate or native surfaces shall be repaired by placing the imported Surface Course on top of the soft spot. Layers of imported Material shall be placed until a firm surface is produced.

3.3 Bituminous Pavement Repairs. The areas to receive bituminous pavement repairs will be marked on the road surface by the Forest Service just prior to Contractor performing the work.

T-804-1

3.4 Potholes (deep patch). Surface Course and Base Course Materials shall be excavated to a depth necessary to reach firm, suitable Material. The minimum depth of excavation shall be 2 inches and the maximum depth of excavation shall be to the top of the Subgrade.

The edges of the prepared hole shall be extended to form a vertical face in unfractured asphalt surfacing. The prepared hole shall generally be circular or rectangular in shape, dry, and cleaned of all loose Material.

Prepared potholes shall be patched or barricaded immediately.

The faces of the prepared hole shall be tacked with a slow-setting emulsified asphalt.

The bituminous mixture shall be placed in layers not exceeding a compacted depth of 2 inches. Each layer shall be compacted thoroughly with hand or mechanical tampers or rollers. Compaction shall not be done with equipment wheels.

Upon completion, the compacted patch in the pothole shall be flush, with a tolerance or approximately $\frac{1}{4}$ inch to $\frac{1}{2}$ inch above the level of the adjacent pavement.

3.5 Skin Patches. Bituminous mixture shall be distributed uniformly with feathered edges in layers not to exceed 2 inches compacted depth. When multiple layers are ordered, joints shall be offset at least 6 inches between layers.

Each layer shall be compacted by two passes with a 7-10 ton steel roller or comparable vibratory roller.

3.6 Asphalt Berm. Damaged segments of Berm shall be removed and the exposed ends beveled at approximately 45 degrees from vertical. The Berm foundation shall be cleaned and patched as necessary. The foundation and joining surfaces shall be coated with a slow-setting emulsified asphalt. Asphalt mix shall be placed and compacted to conform with the shape and alignment of the undamaged segment.

3.7 Disposal. All Materials removed from potholes, patches, and Berms shall be disposed of at disposal sites designated by the Forest Service.

SPECIFICATION T-805 DRAINAGE STRUCTURES

DESCRIPTION

1.1 This work consists of maintaining Drainage Structures and related items such as inlet and outlet channels, existing riprap, trash racks, and dropinlets.

MATERIALS

2.1 All Materials used in the maintenance of Drainage Structures shall conform by type and specification to the Material in the structure being maintained.

REQUIREMENTS

3.1 Drainage Structures and related items shall be cleared of all foreign Material which has been deposited above the bottom of the structure and all vegetative growth which interferes with the flow pattern. Material removed that cannot be incorporated into maintenance work shall be hauled to a disposal site designated by the Forest Service.

3.2 If outlet or inlet riprap was installed by Contractor as a construction item or existed prior to Contractor's haul, it shall be maintained in good condition including the replacement of riprap if necessary to previous line, grade, and cross-section.

3.3 Perform maintenance to insure the proper functioning of the head walls, aprons, inlet assemblies, overside drains, riprap, trash racks, and other facilities related to the Drainage Structure.

T-805-1

SPECIFICATION T-806 DUST ABATEMENT

DESCRIPTION

1.1 This work shall consist of preparing Traveled Way and furnishing and applying Materials to abate dust.

MATERIALS

2.1 The roads requiring dust abatement, type of dust abatement Material to be used, the rates of application, and frequency of applications will be shown on Dust Abatement Plan (K-F.3.1#). The Dust Abatement Plan may be changed by written Agreement.

2.2 Water. The locations of Water Sources are shown on Contract Area Map.

2.3 Dust abatement Materials shall meet the requirements of the following subsections of Standard Specifications for Construction of Roads and Bridges on Federal Highway Projects (FP-03).

Magnesium or Calcium Chloride Brine	725.02
Lignin Sulfonate	725.20

2.4 Testing of Materials. Certification and sampling of Lignin Sulfonate, Calcium Chloride, and Magnesium Chloride shall be in accordance with subsections 106.04 of Standard Specifications for Construction of Roads and Bridges on Federal Highway Projects (FP-03).

Requirements

3.1 General. Dust abatement Materials shall be applied to the road surface as necessary to control road surface loss, provide for road user safety, and minimize damage to adjacent resources.

3.2 Preparation for Dust Abatement Materials Other Than Water. The following applies to all methods of preparation:

Traveled Way shall be bladed in accordance with T-803. Apply sufficient water to permit thorough mixing of the surfacing material prior to compaction.

Compact Traveled Way in accordance with **FSSS 204.11, Method "B"**.

Lignin Sulfonate, Calcium Chloride and Magnesium Chloride shall be applied when the top 1 inch of Traveled Way contains not less than 3 percent moisture, nor more than 20 percent of optimum moisture.

The Following method shall be used:

Method 1.

Apply half the dust abatement Material. When the dust abatement Material has penetrated, the remaining dust abatement Material shall be applied.

3.3 Preparation for Dust Abatement with Water. Traveled Way shall be prepared in accordance with Specification T-803 Surface Blading when required.

3.4 Application Tolerance. Dust abatement Materials other than water shall be applied within 0.05 gallons per square yard of the rate specified.

3.5 Weather Limitations. Dust abatement Materials shall not be applied when it is raining. Lignin Sulfonate, Calcium Chloride, and Magnesium Chloride shall be applied when the atmospheric temperature is 40 degrees Fahrenheit or higher.

T-806-2

SPECIFICATION T-807 ROADWAY VEGETATION

DESCRIPTION

1.1 This work consists of cutting and disposing of all vegetative growth, including trees on roadway surfaces and roadsides that reduce sight distance and operational capability of the road within the clearing limits as described in the Road Maintenance Plan.

REQUIREMENTS

3.1 Cut brush, trees and other vegetative matter within the clearing limits to a maximum height of 6 inches above the ground surface or obstruction such as rocks or existing stumps which reduces sight distance, impedes vehicular travel or interferes with road maintenance operations, such as surface blading and ditch and culvert cleaning shall be removed. Timber meeting utilization standards shall be cut in appropriate lengths and decked along the Roadside in locations where the Traveled Way or sight distances will not be impaired.

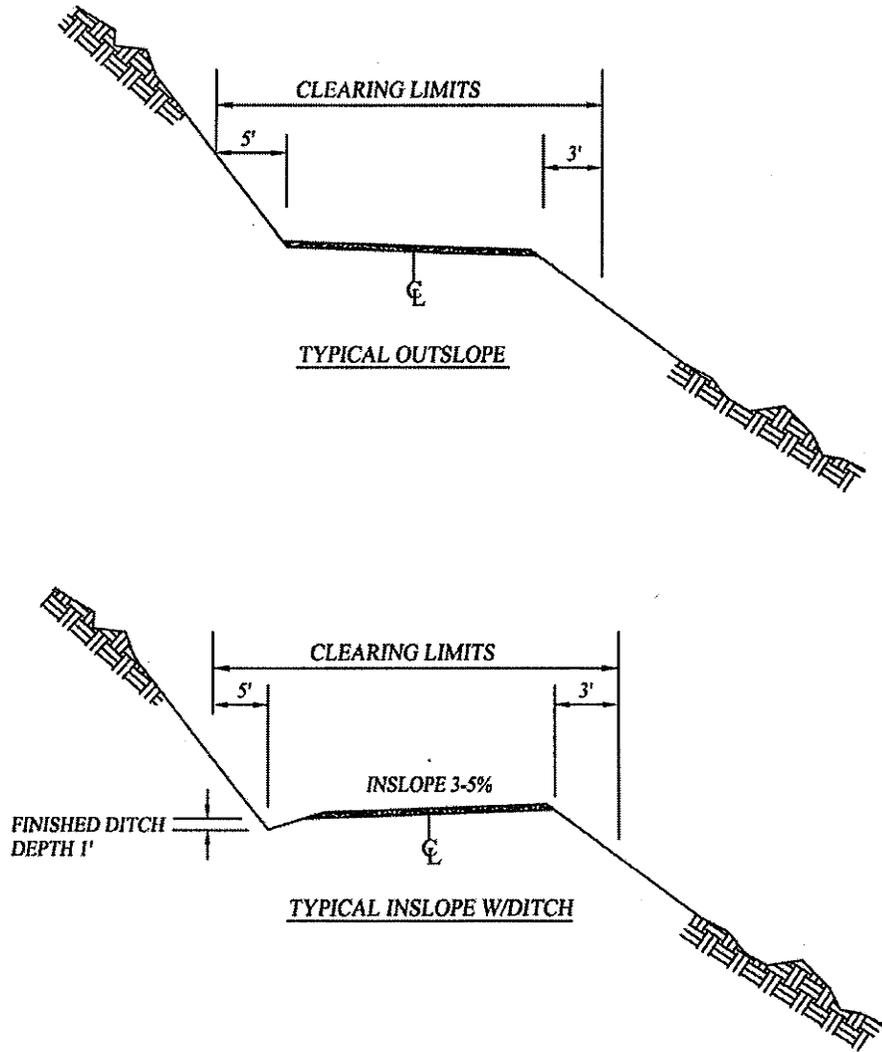
3.2 Any items to remain will be Designated by the Forest Service.

3.3 Trim tree branches that extend over the road surface and shoulders to attain a clear height of 14 feet. When trees are limbed, cut limbs within 4 inches or less of the trunk. If required, remove other branches to present a balanced appearance.

3.4 Work may be performed either by hand or mechanically unless specifically shown in the Road Maintenance Plan. Self-propelled equipment is not allowed on cut and fill slopes or in ditches.

3.5 Vegetative matter and nonmerchantable timber cut from the Clearing Limits shall be treated by the specified method as required by K-G.6.7# - SLASH TREATMENT.

T-807 DIAGRAMS AND SPECIFICATIONS FOR ROADWAY VEGETATION



T-807-2

SPECIFICATION T-808 MISCELLANEOUS STRUCTURES

DESCRIPTION

1.1 Maintenance of miscellaneous structures includes cattleguards, gates, and other similar structures that have been previously installed to insure safe and efficient operation of the road.

MATERIALS

2.1 Any Materials needed in the maintenance of miscellaneous structures shall be similar in type and quality to the Material in the structure being maintained.

REQUIREMENTS

3.1 Cattleguards. Loose rails shall be welded or bolted back in place.

Excess Material carried into the cattleguard shall be removed when drainage is blocked or when it reaches 6 inches from the bottom of the cattleguard frame. Drainage into and from the cattleguard shall be kept open.

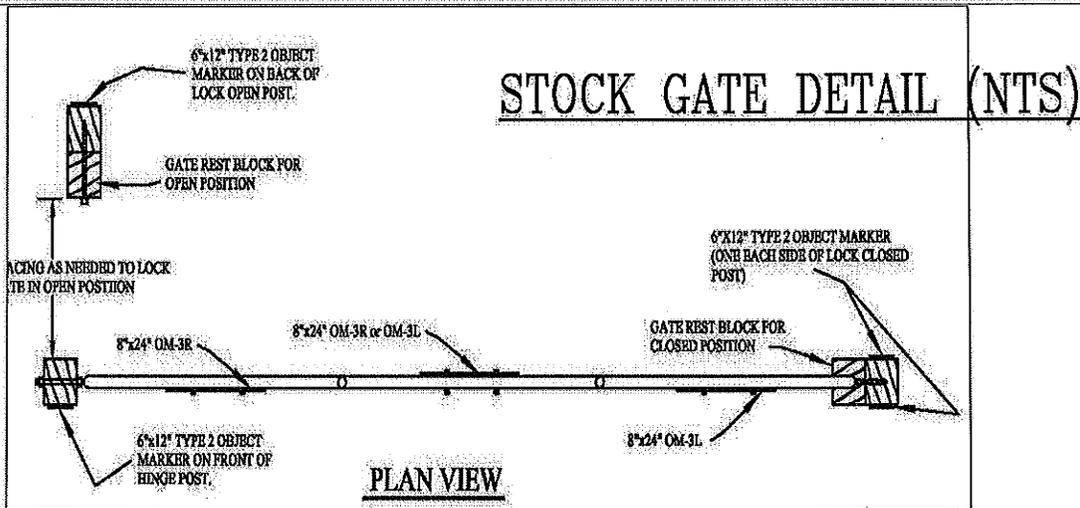
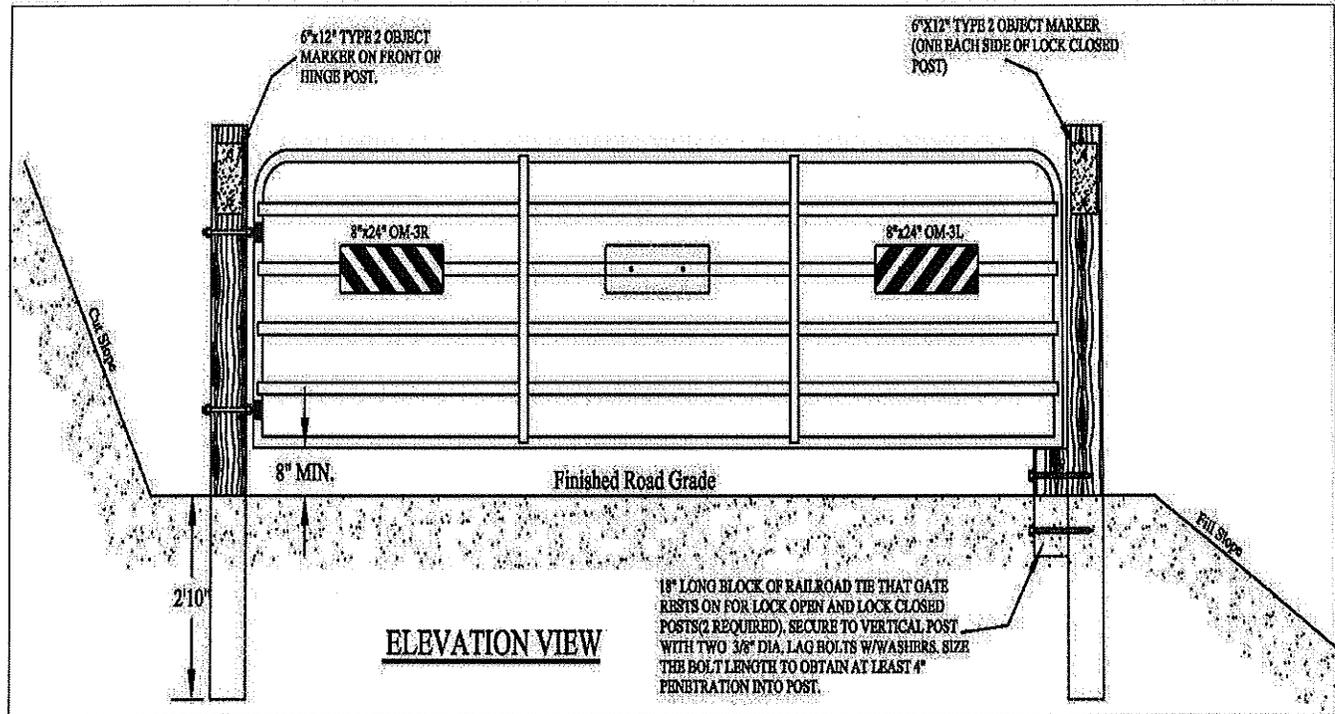
3.2 Gates. Gates shall be kept in good repair and made to swing easily. Hinges or latches shall be repaired if not operating properly.

Brush and debris shall be removed from within the swinging radius.

K-F.4.1#

NOTES:

1. FURNISH GATE, RAILROAD TIES, SIGNS, AND ALL HARDWARE NECESSARY FOR THE INSTALLATION OF THE GATE.
2. TYPE 2 OBJECT MARKERS(4 required) SHALL BE 6"x12" YELLOW REFLECTORIZED ALUMINUM, AND SHALL BE ATTACHED TO THE POSTS USING TWO 3/8" DIA. X 3" LONG LAG BOLTS W/WASHERS.
3. TYPE 3 OBJECT MARKERS SHALL BE 8"x24" RED AND WHITE REFLECTORIZED ALUMINUM AND ATTACHED TO THE GATE RAILS USING 3/8" BOLTS W/NUTS AND WASHERS.
4. GATE SHALL BE 16' WIDE "BEHLEN COUNTRY 2in. STOCK GUARD" OR EQUIVALENT, BUILT USING 16 GAUGE STEEL, PAINTED GREEN.
5. FURNISH 8' LONG RAILROAD TIES(3 required), AND 18" LONG RAILROAD TIE BLOCKS(2 required) THAT ARE IN GOOD CONDITION, FREE OF LARGE CRACKS AND OTHER DEFECTS



SPECIFICATION T-809 WATERBARS

DESCRIPTION

1.1 This work consists of installing or removing Waterbars in the Roadbed.

REQUIREMENTS

3.1 Waterbars shall be installed on roads shown on Road Maintenance Plan in accordance with the attached drawings and at locations designated or staked on the ground.

All Material excavated shall be used in the installation of the Waterbar. Bermed Material shall be compacted by operating heavy equipment over the length and width of the Berm.

3.2 Waterbars shall be removed on roads shown on Road Maintenance Plan by blading the Berm into the adjacent depression to form a smooth transition along the Traveled Way. The length and width of the fill Material shall be compacted by the equipment performing the work.

3.3 Waterbars may be required to be installed between seasons of use and then removed when haul is resumed. Waterbar installation may also be required when use of a road has been completed.

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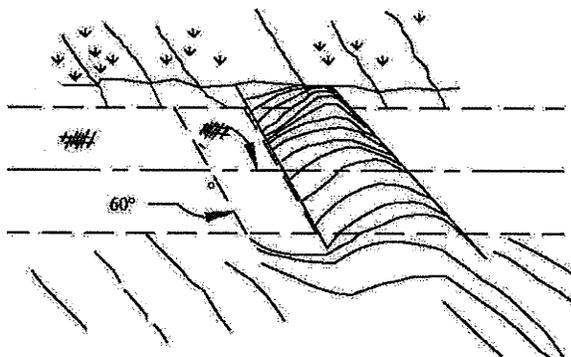
T-809 - Diagrams and Specifications for Waterbar Construction

Waterbars are designated by colored flagging

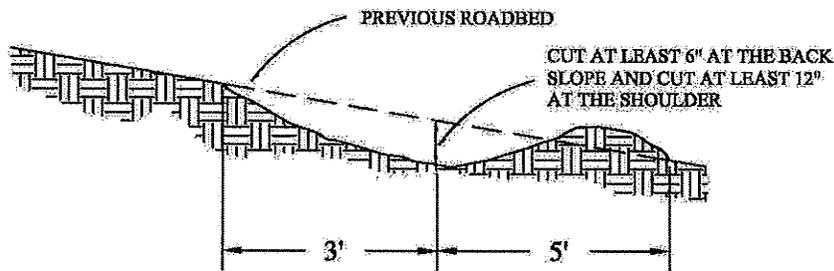
SPECIFICATIONS

1. Slope waterbars diagonally out and downgrade at a minimum angle of 60 degrees with the centerline of the road. Tie waterbar securely to the back slope.
2. Cut roadbed to a depth of at least six inches at the back slope and to a depth of at least 12 inches at the shoulder.

DIAGRAMS



VIEW OF COMPLETED WATERBAR



CROSS SECTION OF WATERBAR

SPECIFICATION T-810 BARRIERS

DESCRIPTION

1.1 This work shall consist of furnishing, installing, or removing barriers. Gates are not included.

MATERIALS

2.1 Materials for barriers shall meet the requirements as shown on attached drawings.

REQUIREMENTS

3.1 Barriers shall be installed in accordance with the attached drawings.

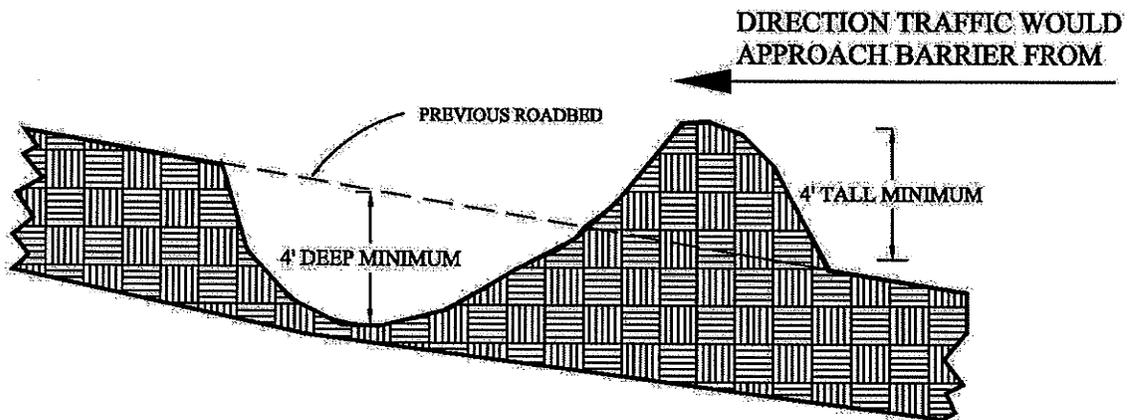
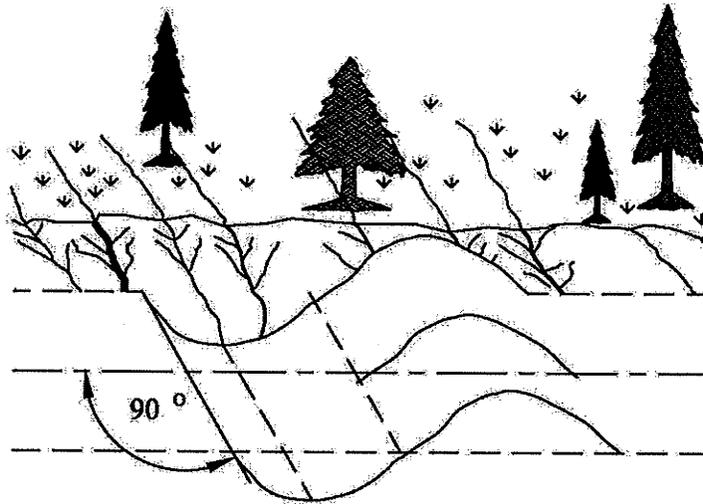
The location of barriers to be removed or installed is shown on Contract Area Map. Installation or removal may occur as often as road use is terminated and resumed.

T-810-1

USDA-FOREST SERVICE

T-810 - Diagrams and Specifications for Earth Barriers

1. Earth barriers shall slope outward to drain at an angle of 90 degrees from the centerline of the road.
2. The barrier shall be constructed to block the entire roadway width.



Contract Name: West Scriver Stewardship

K-F.3.2# - ROAD MAINTENANCE DEPOSIT SCHEDULE (09/2004)

Other provisions herein notwithstanding, when Forest Service requests payment in lieu of Contractor's performance of road maintenance, Contractor shall make Required Deposits (16 USC 537) for current and/or deferred road maintenance. Such deposits are based on the estimated volume and distance hauled and Contractor's commensurate use of each road listed in the Road Maintenance Plan in K-F.3.1#.

Contractor and Forest Service may agree in writing on adjustment of such rates. If Contractor uses roads under jurisdiction of Forest Service other than those listed in the Road Maintenance Plan, Forest Service shall establish rates commensurate with Contractor's use of such roads.

The Required Deposits for Forest Service work in lieu of Contractor performance and for deferred maintenance is: \$ \$.72 per Ton.

The following table lists who Contractor will make deposits for road maintenance to, and the rate per unit of measure of the deposit. The Road Maintenance Agreement is available for inspection at the Forest Supervisor's Office.

Deposit Made To	Rate	Unit of Measure
N/A		

K-F.3.4# - OBLITERATION OF TEMPORARY ROADS, SKID TRAILS AND LANDINGS (11/2006)

Unless otherwise agreed in writing, temporary roads, skid trails and landings associated with the cutting unit(s) listed in the following table shall be obliterated using the method described.

See Obliteration Table

K-F.3.4# - OBLITERATION OF TEMPORARY ROADS, SKID TRAILS AND LANDINGS. (11/06)

Cutting Unit(s)	Type of Facility	Closure Method
All	Constructed Landings	<p>Topsoil must be stockpiled, replaced, evenly spread and sloped to facilitate drainage per K-G.4.2.2.</p> <p>Rip to a depth of 12-18", seed per K-G.6.0.1# and slash < 6" diameter must be scattered over 30% of the landing surface.</p>
All	Temp Roads	<p>Rip to 12" or as directed by the Forest Service.</p> <p>Reshape as directed by the Forest Service.</p> <p>Distribute slash to cover 30% of the entire length.</p> <p>Remove Culverts.</p> <p>Waterbar as designated by the Forest Service.</p> <p>Seed immediately prior to first winter after construction per K-G.6.0.1#</p>

Contract Name: West Scriver Stewardship

K-F.3.6# - SNOW REMOVAL (11/2006)

Snow removal shall be done in a manner to preserve and protect the roads to insure safe and efficient transportation and to prevent unacceptable erosion damage to roads, streams, and adjacent lands.

A. Description. Snow removal work by Contractor shall include:

1. Removal of snow from entire road surface width including turnouts.
2. Removal of snow slides, minor earth slides, fallen timber and boulders that obstruct normal road surface width including turnouts.
3. Maintain drainage so that the drainage system will function efficiently.

B. Performance. All items of snow removal shall be done currently as necessary to insure safe, efficient transportation. Work shall be done in accordance with the following minimum standards of performance.

1. Removal of material. All debris, except snow and ice, that is removed from the road surface and ditches shall be deposited away from stream channels at agreed locations.
2. During snow removal operations, banks shall not be undercut nor shall gravel or other selected surfacing material be bladed off the roadway surface.
3. Ditches and culverts shall be kept functional during and following roadway use.
4. Snow berms shall not be left on the road surface. Berms left on the shoulder of road shall be removed and/or drainage holes shall be opened and maintained. Drainage holes shall be spaced as required to obtain satisfactory surface drainage without discharge on erodible fills.
5. Dozers and skidders shall not be used to plow snow on system roads without written approval of Forest Service. Upon approval, dozers and skidders must be equipped with shoes or runners to keep the plow blade a minimum of 6 inches above the road surface unless specifically removed from the requirements in writing.
6. Snow must not be removed to the road surface. A minimum 6 inch depth must be left to protect the roadway.
7. Contractor's damage from, or as a result of, snow removal shall be restored in a timely manner.

Contract Name: West Scriver Stewardship

K-F.4.1# - CLOSURE TO USE BY OTHERS (11/2006)

A. Closure of Roads During Period of Contract. Unless otherwise agreed in writing between Contractor and Forest Service, Contractor shall within 15 days of receipt of notice from Forest Service, install gates listed below and close gates on roads designated "To Be Closed" on Contract Area Map and listed below to effectively block access behind such gates to vehicle traffic except that constituting official use. Installation of gates shall follow closure details attached hereto and made a part hereof.

Official vehicle traffic shall constitute that use by Contractor and his employees when engaged in contract activities. It shall also include administrative traffic by Forest Service, and other landowners for the administration of their lands. Contractor will close gates as directed by Forest Service at the completion of daily activities or close gates after passage of each vehicle. Forest Service will monitor and administer closure activities.

See Gate Location(s) Table

B. Closure of Roads at End of Contractor's Use. Unless otherwise agreed in writing between Contractor and Forest Service, upon completion of use, Contractor shall effectively close to public use the following roads designated "To Be Closed" on Contract Area Map and listed below. As an element of final road maintenance and environmental or resource protection, the designated closure shall be accomplished by using the methods required for each road as described below:

Installation of barricades, which may include earth berms, logs, timber, rock, metal railing, etc., in accordance with details attached hereto and made a part hereof, including the proper barricade and closure signing.

Scarify, seed, and fertilize these travel ways full width as described in K-G.6.0.1#.

Recontour or reshape cut or fill slopes in accordance with details attached hereto and made a part hereof; seed, scarify, and fertilize as described under K-G.6.0.1#; pull existing drainage structures; haul designated culverts to approved stockpile site, or other work needed to obliterate or put road to bed as described in attached road logs or details.

Construct cross ditches by cutting a dip at least six (6) inches deep in the road surface and mounding the excavated material along the downgrade edge of the dip. Dips shall be cut at a sufficient angle so that they will drain to the outside of the road. They shall cross the entire width of the roadbed and be constructed a the following spacing:

See Water Dip Specifications Table

See Close and Lock Existing Gate(s) Table

During the life of this contract, Contractor is authorized to install temporary barricades on the roads designated "To Be Closed." Gates with adequate and protected locks may be considered a temporary barricade. Temporary barricades shall be installed so that they may be readily opened by Contractor or Forest Service for access to Contract Area in case of fire or other emergency. Official vehicle traffic shall also include administrative traffic by Forest Service and other landowners for the administration of their lands. Contractor shall provide and post approved signs as authorized by Forest Service.

C. Contractor's Operations in areas otherwise closed to motorized vehicles. During the period January 1 to December 31 when Contractor's Operations are in areas otherwise closed to motorized vehicles, Contractor shall not be permitted to hunt, transport hunters, discharge firearms, or transport big game animals with

Contract Name: West Scriver Stewardship

vehicles within the closed areas.

K-F.4.1# - CLOSURE TO USE BY OTHERS. (11/06)

Gate Location(s)				
Road Number	Location	Gate Furnished By 1/	Gate Installed By 1/	In Place 3/
693M	M.P. 0.0	Purchaser	Purchaser	No
693O	M.P. 0.0	Purchaser	Purchaser	No
694	M.P. 0.0	Purchaser	Purchaser	No
695D	M.P. 0.0	Purchaser	Purchaser	No
696D	M.P. 0.0	Purchaser	Purchaser	No

Percent Grade	Maximum Spacing
N/A	

Close and Lock Existing Gate(s)

Closure Location(s)				
Road Number	Location	Closure Method 2/	Furnished By 1/	In Place 3/
693M	M.P. 0.0	Gate	Purchaser	After Installed
693O	M.P. 0.0	Gate	Purchaser	After Installed
694	M.P. 0.0	Gate	Purchaser	After Installed
695D	M.P. 0.0	Gate	Purchaser	After Installed
696D	M.P. 0.0	Gate	Purchaser	After Installed

Contract Name: West Scriver Stewardship

K-G.2.4# - SITE SPECIFIC SPECIAL PROTECTION MEASURES (09/2004)

Special protection measures needed to protect known areas identified on Sale Area Map or on the ground include:

Cultural Resource Protection Measures: N/A

Wildlife and Botanical Protection Measures: When taking water from fish bearing streams identified by the Forest Service for specified road maintenance or other sale related activities, water intake hoses shall be screened with appropriate mesh size (3/32 of an inch or smaller) or as directed by the Forest Service.

If pumps or other drafting equipment is needed, all pumps utilized at water drafting locations shall have spill containment commensurate with the amount of fuel held by the pump. In addition, if pumps or other drafting equipment is needed at one location longer than two weeks, where practicable, equipment locations should be moved to minimize impacts to underlying vegetation. Where impacts to underlying vegetation cannot be practicably avoided and reestablishment of vegetation is needed at a drafting site, refer to K-G.6.0.1#.

-
Cave Resource Protection Measures: N/A

K-G.3.1.2# - CONTRACT OPERATION RESTRICTIONS (11/2006)

Unless otherwise agreed in writing, contract operations will be restricted as listed below:

See Sale Operation Restrictions Table

K-G.3.1.2# - CONTRACT OPERATION RESTRICTIONS. (11/06)

Contract Operation Restriction Schedule

Subdivision / Cutting Unit	Restriction	Purpose
Subdivisions A, B, C	Unless agreed otherwise, operations on each Sub-division shall be completed and accepted prior to entry into the next Subdivision	Control of Operations
1,2,3,4,5,6,7,8	No mechanical treatments (thinning/skidding/yarding or temporary road construction may occur between May 1 st to August 1 st .	Protect Flamulated Owl nesting
17, 18	No mechanical treatments (thinning/skidding/yarding or temporary road construction may occur within a 1,500' buffer of active nests between March 1 st to August 15 th .	Protect Northern Goshawk nesting.
All	Fuel storage, refueling, or servicing of vehicles will not be allowed in SMZ's unless designated by the Forest Service	Reduce impacts to aquatic resources
All	Log landings will be located outside designated SMZ's unless designated by the Forest Service. For landings located within the SMZ's, erosion control measures will be implemented to prevent delivery of sediment into the SMZ.	Reduce impacts to aquatic resources
All	Snow plowing will not be allowed on designated haul routes from December 15 th to March 15 th .	Allow for snowmobile trail grooming

Contract Operation Restriction Schedule Cont.

<p>2,3,5,7</p>	<p>Stumps within 150' NFS Trail 035 will be cut 3" to the ground. Slash will be lopped to within 1' of the ground or removed and slash concentrations scattered.</p>	<p>Reduce visual impacts to trail users</p>
<p>Trail 035</p>	<p>Skidding material across designated trail should be avoided to the extent practical. Where unavoidable, the disturbed portion of the trail tread will be reconstructed to original template.</p> <p>Prior to each weekend, opening day of general deer and elk season, and Federal holidays, felled trees and any associated slash will be removed from designated trails.</p>	<p>Protect trail template</p> <p>Provide for public safety</p>

Contract Name: West Scriver Stewardship

K-G.3.3.1# - SAFETY (HELICOPTER OPERATIONS) (11/2006)

Where helicopter yarding operations are being conducted over or in close proximity to roads and trails shown on Contract Area Map to be kept open, Contractor shall furnish and post flagmen during active yarding operations to prevent the passage of vehicular or pedestrian traffic beneath such yarding operations.

Contractor shall provide radio communications between helicopter yarding operations and the flagman.

Traffic shall be allowed to pass through operation areas at time intervals not to exceed 20 minutes unless otherwise authorized in writing by Forest Service.

Contractor shall provide and place at locations specified by Forest Service two signs warning potential users of roads and trails in the helicopter operating area that traffic delays can be expected during operating hours. Sign size, wording, and construction shall be in accordance with standard warning signs specified in the Manual on Uniform Traffic Control Devices.

K-G.3.4.1 - PREVENTION OF OIL SPILLS (IDAHO FORESTS) (11/2006)

If Contractor maintains storage facilities for petroleum or petroleum products on Contract Area, Contractor shall take appropriate preventive measures to ensure that any spill of such petroleum or petroleum products does not enter any stream or other waters of the United States or any of the individual States.

Petroleum or petroleum product storage containers with capacities of more than 200 gallons, stationary or mobile, shall be located no closer than 100 feet from stream, watercourse, or area of open water. Dikes, berms, or embankments shall be constructed to contain at least 110% of the volume of petroleum products stored within the containers. Diked areas shall be sufficiently impervious and of adequate capacity to contain spilled petroleum products.

If the total petroleum or petroleum products storage exceeds 1,320 gallons in containers of 55 gallons or greater, Contractor shall prepare a Spill Prevention Control and Countermeasures (SPCC) Plan. Such plan shall meet applicable EPA requirements (40CFR 112), including certification by a registered professional engineer.

Contractor shall notify Contracting Officer and appropriate agencies of all reportable (40CFR 110) spills of petroleum or petroleum products on or in the vicinity of Contract Area that are caused by Contractor's employees, agents, subcontractors, or their employees or agents, directly or indirectly, as a result of Contractor's operations. Contractor will take whatever initial action that may be safely accomplished to contain all spills.

Contract Name: West Scriver Stewardship

K-G.4.1.1# - FELLING AND BUCKING (SPECIAL OBJECTIVES) (11/2006)

Unless otherwise agreed in writing, silvicultural prescriptions and land management objectives shall be conducted and accomplished by the following requirements, methods and procedures:

See Felling and Bucking Table

K-G.4.1.1# - FELLING AND BUCKING (SPECIAL OBJECTIVES). (11/06)

Cutting Unit

Special Objectives

ALL

Felling shall not be performed until the location of all landings, skid roads, and skid trails have been flagged by the Contractor and agreed upon by the Forest Service.

Trees shall be felled insofar as topography and lean permit, with ends angled toward skid roads, or skid trails, in the direction of skidding along such skidways, and so that existing reproduction is not damaged.

Fell trees away from Streamside Management Zones.

1-21, 23-45, 95

Trees shall be skidded prior to limbing or topping (Whole Tree Yard), unless excessive damage, as determined by the Forest Service, occurs to the residual stand.

2,3,5,7

Cut trees within 150 feet along Trail 035 will have maximum stump height of 3" above ground level. Prior to each weekend, opening day of general deer and elk season, and Federal holidays, felled trees and any associated slash will be removed from designated trail.

Contract Name: West Scriver Stewardship

K-G.4.2# - SKIDDING AND YARDING (SPECIAL OBJECTIVES) (11/2006)

Unless otherwise agreed in writing, silvicultural prescriptions and land management objectives shall be conducted and accomplished by the following requirements, methods and procedures:

Fill In Table