



Province of
British Columbia

OFFICE OF THE
MINISTER OF

Ministry of
Forests



MEMORANDUM

File: 280-30
195-30/IAPP

JUN 24 1997

To: Regional Managers

From: The Honourable David Zirnhelt
Minister of Forests

Re: *Coast Appraisal Manual*

I hereby approve Amendment No. 2 to the *Coast Appraisal Manual*, and attach a copy of it for your use.

This amendment will come into force on July 1, 1997. It clarifies how bridges replaced under the Forest Renewal BC "Bridge Replacement Program on Forest Service Roads" will be dealt with in appraisals. The following section is amended.

Section	Nature of Amendment
4.3.1(2)	Bridges Replaced on Forest Service Roads, which are part of the Forest Renewal BC "Bridge Replacement Program on Forest Service Roads" will not be included in appraisals.

David Zirnhelt
Minister of Forests

Enclosure

cc: Bill Howard, Director
Revenue Branch

All Subscribers, *Coast Appraisal Manual*



BRITISH
COLUMBIA

Ministry of
Forests



MANUAL REVISION TRANSMITTAL

FOR FURTHER INFORMATION CONTACT:

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MANUAL TITLE

Coast Appraisal Manual

REVISION No.

Amendment No. 2

ISSUE DATE

July 1, 1997

MANUAL CO-ORDINATOR

Judy Laton
Revenue Branch

AUTHORIZATION (Name, Title)

W. Howard
Director, Revenue Branch

Please make the following changes to your copy of the above Ministry manual. Please insert the following specified pages and **file this notice** immediately after the Amendments Tab.

ACTION (Remove/Insert)	(VOL.) CHAPTER-SECTION-SUBJECT	PAGE(S)	COMMENTS
	TABLE OF CONTENTS		
REMOVE	Chapter 4	7 - 8	
INSERT	Chapter 4	7 - 8	

that occur during the term of the cutting authority, those costs are applied against the remaining cutting authority volume at reappraisal.

b. Bridge Cost Estimates

Each bridge cost estimate is determined either from the appropriate table (Section 4.3.2.2) or as a detailed engineering cost estimate (Section 4.3.3).

Where bridge materials are reused by the original purchaser at a second or subsequent location, the cost estimate will include dismantling, transport and installation at the new site. The initial materials cost and delivery costs are excluded.

Where used bridge materials are purchased from a legally non-associated party, the cost of purchase and shipping those materials will be included in the cost estimate. The requirements of Section 4.1 still apply.

The total of the estimated costs for all bridges is divided by the total net cruise volume to give a unit cost (\$/m³) for bridges.

The unit costs (\$/m³) for tabular roads, engineered roads, and bridges are totalled to give a unit cost (\$/m³) for new construction. For new construction costs that occur during the term of the cutting authority, these costs are applied against the remaining cutting authority volume at reappraisal.

2. Reconstruction and Replacement

Reconstruction and Replacement are defined as replacement or repair of a major drainage structure, or major reconstruction or resurfacing of a section of road, required because:

- of extensive "wear and tear",
- the road has been permanently or semi-permanently deactivated previously,
- the road has been abandoned, or
- of a water or slope failure "event".

A water or slope failure "event" is the result of an irregular natural occurrence which leads to the blockage or destruction of a road or bridge making the road or bridge impassable for vehicular traffic. The repairs required should be grouped, if linked by event, into one project cost estimate (see Appendix II) via a detailed engineering cost form.

The costs approved under Section 4.3.1, (2.) must not qualify under routine maintenance as described in Section 4.5.3 or be eligible for reporting under the routine maintenance portion of the coastal logging cost survey.

Bridges replaced on Forest Service Roads that are included in the Forest Renewal B.C. five year "Bridge Replacement Program on Forest Service Roads" will not be included in any appraisal.

The cost estimate may be allocated, by the licensee, to any individual proposed or existing tributary cutting authority that is in the licensee's approved forest development plan at the time of the project. The licensee must identify this cutting authority when submitting the detailed engineering cost estimate.

Reconstruction and replacement cost estimates will be determined on an individual project basis as detailed engineering cost estimates (Section 4.3.3) and must be approved by the District Manager.

These projects may include:

- Bridge structural maintenance including redecking (ties and decking) or replacement of a major drainage structure,
- Reconstruction of a road,
- Resurfacing of a road, with a minimum loose depth of 0.1 m over a continuous length of 0.5 km or greater, or
- Replacing pipe culverts larger than 900 mm in diameter.

Where bridge materials are reused by the original purchaser at a second or subsequent location and they qualify as engineered estimates, the cost estimate will include dismantling, transport and installation at the new site. The initial materials cost and delivery costs are excluded.

Where used bridge materials are purchased from a legally non-associated party, the cost of purchase and shipping those materials will be included in the cost estimate. The requirements of Section 4.1 still apply.

To determine the unit cost (\$/m³) for reconstruction and replacement, the total approved costs are divided by the total net cruise volume. For reconstruction and replacement projects that occur during the term of the cutting authority, those costs may be applied against the estimated remaining volume at the effective reappraisal.

4.3.1.1 Development Cost Allocation

Where proration is required for Section 4.3.1.1.1, 4.3.1.1.2 and 4.3.1.1.3:

$$\text{Crown share} = \text{Total Estimated Cost} * \frac{\text{Appraised Timber Volume}}{\text{Total Timber Volume}}$$

Where:

Crown share (\$) = dollar amount to be allocated to stumpage-bearing timber in the cutting authority being appraised.