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## Budgeting Exercise

### Consumables

Material	Source	Price	Adjusted Price for Comparison
Buckram cloth	<a href="#">Hollanders</a>	\$7.75 per sheet of 18" x 25"	\$.017 per square inch
	<a href="#">Talas</a>	\$11.85 per yard (price for 10 - 24 Yards) 39" wide	<b>\$.008 per square inch</b>
Davey Binder's Board .080	<a href="#">Hollanders</a>	\$12.00 Set of 4 Sheets - 14" x 20"	\$.0107 per square inch
	<a href="#">Talas</a>	\$3.90 apiece (price for 10 - 24 Sheets) 20" x 30"	<b>\$.0065 per square inch</b>
Bristol Board 10 pt.	<a href="#">Talas</a>	\$1.25 per sheet (price for 25-99 sheets) 20" x 30"	\$.06 per square inch
	<a href="#">Gaylord</a>	\$344.45 for 36" 100yd roll	<b>\$.002 per square inch</b>
20pt folder stock	<a href="#">Talas</a>	\$13.00 apiece (for 50 or more) for 36" x 48"	\$.007 per square inch
	<a href="#">Gaylord</a>	\$285 for a pack of 50, or \$5.70 apiece for 32" x 40"	<b>\$.004 per square inch</b>
Archival Quality Corrugated Cardboard B-Flute	<a href="#">Talas</a>	\$20.70 (for 500 or more) for one sheet of 71" x 88.5"	<b>\$.003 per square inch</b>
	<a href="#">Gaylord</a>	\$209.29 for a 25 pack, or \$8.37 apiece of 30"	\$.007 per square inch

		x 40"	
Endpaper - 80 lb. Mohawk Superfine Text	<a href="#">Paperworks</a>	\$86.71 for 500 sheets of 11" x 17"	<b>\$.17 per sheet</b>
	<a href="#">Limited Papers</a>	\$110.46 for 500 sheets of 12" x 18"	\$.22 per sheet (but slightly bigger)
Neschen Filmoplast P Mending Tape	<a href="#">Amazon</a>	\$19.50 .8" x 164'	\$.009 per inch
	<a href="#">Talas</a>	\$15.25 (for more than 25) .78" x 164'	<b>\$.007 per inch</b>
Neschen Filmoplast R Heat-Set Tissue	<a href="#">Amazon</a>	\$15.15 .78" x 164'	<b>\$.007 per inch</b>
	<a href="#">Talas</a>	\$16.55 .78" x 164'	\$.008 per inch
3M™ 415 Polyester Double-Sided Tape	<a href="#">Gaylord</a>	\$12.35 for 36 yds.	\$.009 per inch
	<a href="#">Talas</a>	\$8.84 for 36 yds.	<b>\$.007 per inch</b>
PVA	<a href="#">Hollanders</a>	\$21.95 for 32 ounces	\$.68 per ounce
	<a href="#">Dick Blick</a>	\$9.43 for 16 ounces	<b>\$.60 per ounce</b>
Methylcellulose	<a href="#">Hollanders</a>	\$19.95 for 8 ounces	\$2.50 per ounce
	<a href="#">Amazon</a>	\$13.99 for 16 ounces	<b>\$.87 per ounce</b>
Wheat starch	<a href="#">Talas</a>	\$5.60 for 16 ounces	<b>\$.35 per ounce</b>
	<a href="#">John Neal Books</a>	\$6.50 for 16 ounces	\$.40 per ounce
Unbleached muslin	<a href="#">Amazon</a>	\$7.98 for 108" x 36"	\$.002 per square inch
Bamboo skewers	<a href="#">Amazon</a>	\$5.49 for 300	\$.018 per skewer

**Cost Figures by Treatment**

### **Standards of Approximation:**

- Labor = \$16.28 per hour (\$.27 per minute)
- Amount of buckram used for spine repair is 12" x 4", cost = \$.38
- Cost of endpapers = \$.17 per sheet (11 x 17 folded to 8.5 x 11)
- Adhesives (approx ½ oz for each minor repair and 1 oz for larger repairs)
  - ½ oz PVA = \$.30
  - ½ oz Wheat starch = \$.17
  - ½ oz Methylcellulose = \$.43
- Amount of bristol board (spine inlay paper) used for spine repair is 12" x 4" = \$.96
- Amount of muslin for spine linings is 12" x 4" = \$.96

### **Minor Repairs**

#### **Tip in Page**

Average time spent on repair: 5 min.  
Average cost of labor: \$1.35  
Average cost of materials:  
    ½ oz PVA: \$.30  
Average total cost per volume: \$1.65

#### **Tighten Hinges**

Average time spent on repair: 2 min.  
Average cost of labor: \$.54  
Average cost of materials:  
    ½ oz PVA: \$.30  
    Bamboo skewer: \$.018  
Average total cost per volume: \$.86

#### **Corner repair**

Average time spent on repair: 5 min.  
Average cost of labor: \$1.35  
Average cost of materials:  
    ½ oz wheat paste: \$.30  
Average total cost per volume: \$1.65

#### **Torn Page - Tape Repair**

Average time spent on repair: 5 min.  
Average cost of labor: \$1.35  
Average cost of materials:  
    Tape: \$.007  
Average total cost per volume: \$1.38

#### **Torn Page - Heat Set Repair**

Average time spent on repair: 5 min.

Average cost of labor: \$1.35

Average cost of materials:

    Tape: \$.007

Average total cost per volume: \$1.38

## Major Repairs

### **Reback (Spine Replacement)**

Average time spent on repair: 17 min.

Average cost of labor: \$4.59

Average cost of materials:

    Buckram cloth: \$.38

    1 oz PVA: \$.60

Average total cost per volume: \$5.57

### **Recase (w/ Spine Reinforcement)**

Average time spent on repair: 38min.

Average cost of labor: \$10.26

Average cost of materials:

    Two endsheets: \$.34

    1 oz PVA: \$.60

    ½ oz methylcellulose: \$.43

Average total cost per volume: \$11.63

### **Recase (w/ Spine Replacement)**

Average time spent on repair: 45 min.

Average cost of labor: \$12.15

Average cost of materials:

    Muslin spine lining: \$.96

    Two endsheets: \$.34

    Buckram cloth: \$.38

    1 oz PVA: \$.60

    ½ oz methylcellulose: \$.43

Average total cost per volume: \$14.86

### **Double-Fan Adhesive**

Average time spent on repair: 15 min.

Average cost of labor: \$4.05

Average cost of materials:

    1 oz PVA: \$.60

    Muslin spine lining: \$.96

Average total cost per volume: \$5.61

### **Corrugated Clamshell Box**

Average time spent on repair: 30 min.

Average cost of labor: \$8.10

Average cost of materials:

    Corrugated cardboard (half a 71" x 88.5" board): \$10.35

    1 oz PVA: \$.60

Average total cost per volume: \$19.05

**Four Flap Enclosure**

Average time spent on repair: 15 min.

Average cost of labor: \$4.05

Average cost of materials:

Double-sided tape (approx 24", assuming 2 strips of tape at 12" high) : \$.17

20pt board (one 32" x 40" board cut in half): \$2.85

Average total cost per volume: \$7.07