# Express Business Valuation <br> <br> Sample Report 

 <br> <br> Sample Report}

## ValuSource

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## Business Valuation Report

## High Country Manufacturing

5678 Country Rd
Calhan, CO 80854

As of: December 31, 2005

Prepared by:
John Jacobs
ABC Appraisers
1234 Main St
Suite 100
Colorado Springs, CO 80901

## Bill Rogers

5678 Country Rd
Suite 200
Calhan, CO 80854
February 14, 2006

Dear Bill Rogers:
I have been asked to determine the fair market value of High Country Manufacturing as of December 31, 2005 for the purpose of a Sale of Business.

The definition of fair market value is the price at which the property would change hands between a willing buyer and a willing seller, neither being under a compulsion to buy or to sell and both having reasonable knowledge of all relevant facts.

Based on the information contained in the following narrative report, in my opinion, the fair market value of a $65 \%$ interest in High Country Manufacturing as of December 31, 2005 is $\$ 1,188,800$.

| Conclusion Of Total Value | $1,828,900$ |
| :--- | ---: |
| Total Shares Outstanding | 10,000 |
| Value Per Share | 182.89 |
| Number Of Shares Being Valued | 6,500 |
| Value of Interest Appraised | $1,188,785$ |
| Rounded | $1,188,800$ |

My opinion of value is subject to the assumptions and limiting conditions set forth in this report.

Respectfully submitted,

John Jacobs
ABC Appraisers

## Assumptions and Limiting Conditions

a. This report is an appraisal report designed to give an opinion of fair market value. It is not an accounting report, and it should not be relied upon to disclose hidden assets or to verify financial reporting. It is an opinion of the value of a $65 \%$ interest as of December 31, 2005.
b. I have accepted the Unaudited financial statements of High Country Manufacturing without testing their accuracy or completeness. The financial statements consist of balance sheets, income statements, and statements of cash flows. The accuracy of the financial statements is the sole responsibility of the management of High Country Manufacturing.
c. I have relied on representations made by the owner about the background and history of the business. The management of High Country Manufacturing has acknowledged to me that the information they provided was complete and accurate. However, I assume no responsibility for the accuracy of the information provided to me by the business's management.
d. All facts and data as set forth in this report were obtained from sources considered to be reliable. However, I assume no liability for the accuracy of the information provided to me by others.
e. This valuation report is based upon facts and conditions existing as of the date of valuation. I have not considered subsequent events. Unless specifically requested by the client and agreed upon by us, I have no obligation to update my report for such events and conditions.
f. The estimate of value opined to in this report applies only to High Country Manufacturing as of December 31, 2005. In addition, my estimate of value is valid only for the purpose of Sale of Business.
More Assumptions and Limiting Conditions should be added based on the specifics of the engagement.

## Purpose, Standard and Premise of Value

This area is for stating the purpose of the engagement, the standard of value and the premise of value. If fair market value is not the standard of value then delete or modify this as appropriate.

The purpose of this valuation is Sale of Business.
The definition of fair market value is the price at which the property would change hands between a willing buyer and a willing seller, neither being under a compulsion to buy or to sell and both having reasonable knowledge of all relevant facts.

Although valuation is a range concept, current valuation theory suggests that there are three basic "levels" of value applicable to a business or business interest. The levels of value are respectively:

Controlling interest: the value of the enterprise as a whole.
As if freely tradable minority interest: the value of a minority interest, lacking control, but enjoying the benefit of market liquidity.

Non-marketable minority interest: the value of a minority interest, lacking both control and market liquidity.

## Company Description

This area is for a description of the company and its operating paradigm. The text should discuss items such as location, management, services and products and key business model components. The economy should be discussed either here or in a new section of the report.

## Financial Analysis

## Analysis of the Unadjusted Balance Sheets

The schedule presented below shows the subject business's year-end balance sheets for the period between December 31, 2000 and December 31, 2005. For the period ended December 31, 2005, the cash and cash equivalents were approximately $9.23 \%$ of the business's total assets. The remainder of the business's current assets are comprised as follows: accounts receivable are 8.44\%, inventory is 6.60\%, and other current assets total $0.82 \%$ of total assets at December 31, 2005. In total, current assets comprise $25.09 \%$ of the business's total assets.

Fixed assets include all of the company's land, machinery, equipment, and vehicles. At the date of valuation, they made up approximately $73.27 \%$ of the business's total assets.

|  | $\begin{array}{r} \text { Dec } \\ 2005 \\ \hline \end{array}$ | $\begin{gathered} \text { Dec } \\ 2004 \end{gathered}$ | $\begin{array}{r} \text { Dec } \\ 2003 \\ \hline \end{array}$ | $\begin{array}{r} \text { Dec } \\ 2002 \\ \hline \end{array}$ | $\begin{array}{r} \text { Dec } \\ 2001 \\ \hline \end{array}$ | $\begin{array}{r} \text { Dec } \\ 2000 \\ \hline \end{array}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| ASSETS |  |  |  |  |  |  |
| Cash | 302,160 | 301,030 | 295,010 | 260,010 | 190,030 | 100,000 |
| Accounts Receivable | 276,120 | 282,940 | 244,890 | 216,210 | 180,410 | 167,620 |
| Inventory | 216,180 | 193,260 | 186,180 | 192,840 | 185,620 | 102,410 |
| Other Current Assets | 26,900 | 26,850 | 26,180 | 25,160 | 20,150 | 30,030 |
| Total Current Assets | 821,360 | 804,080 | 752,260 | 694,220 | 576,210 | 400,060 |
| Fixed Assets | 3,198,100 | 3,102,000 | 3,050,000 | 2,840,000 | 1,960,000 | 980,000 |
| (Accumulated Depreciation) | $(800,000)$ | $(650,000)$ | $(500,000)$ | $(350,000)$ | $(200,000)$ | $(100,000)$ |
| Intangible Assets | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 |
| (Accumulated Amortization) | $(6,000)$ | $(5,000)$ | $(4,000)$ | $(3,000)$ | $(2,000)$ | $(1,000)$ |
| Other Non-Current | 17,510 | 17,400 | 16,900 | 16,100 | 15,040 | 13,040 |
| Non-Operating Assets | 22,180 | 23,150 | 21,060 | 20,070 | 18,050 | 15,050 |
| Total Assets | 3,273,150 | 3,311,630 | 3,356,220 | 3,237,390 | 2,387,300 | 1,327,150 |
| LIABILITIES \& EQUITY |  |  |  |  |  |  |
| Accounts Payable | 345,100 | 342,090 | 335,070 | 315,060 | 200,060 | 100,060 |
| Income Taxes | 21,690 | 44,170 | 43,190 | 42,160 | 38,120 | 35,070 |
| Short Term Notes Payable |  | 20,020 | 40,060 | 60,080 | 80,090 | 100,090 |
| Current Portion of LT Debt | 86,760 | 83,250 | 79,180 | 77,190 | 73,210 | 71,180 |
| Other Current Liabilities | 28,340 | 28,160 | 27,920 | 27,110 | 26,100 | 25,010 |
| Total Current Liabilities | 481,890 | 517,690 | 525,420 | 521,600 | 417,580 | 331,410 |
| Long Term Debt | 1,356,260 | 1,483,970 | 1,685,290 | 1,884,100 | 1,467,620 | 772,940 |
| Other Non-Current Liabilities | 40,960 | 40,660 | 39,650 | 38,150 | 36,050 | 35,040 |
| Non-Operating Liabilities | 4,020 | 6,020 | 7,030 | 8,040 | 9,050 | 10,060 |
| Total Liabilities | 1,883,130 | 2,048,340 | 2,257,390 | 2,451,890 | 1,930,300 | 1,149,450 |
| Equity | 1,390,020 | 1,263,290 | 1,098,830 | 785,500 | 457,000 | 177,700 |
| Total Liabilities \& Equity | 3,273,150 | 3,311,630 | 3,356,220 | 3,237,390 | 2,387,300 | 1,327,150 |

## Adjusted Balance Sheet

As part of my analysis of the fair market value of High Country Manufacturing, I adjusted the business's assets and liabilities to their estimated fair market values as of December 31, 2005, the date of valuation. In addition, I have estimated the liquidation value of the tangible assets as of December 31, 2005. The following schedule presents the business's book value, adjustments to book value, adjusted book value, and estimated liquidation value as of December 31, 2005.

|  | $\begin{gathered} \text { Book Value } \\ 2005 \end{gathered}$ | Adjustments | Adjusted Book Value | Liquidation Percent | Liquidation Value |
| :---: | :---: | :---: | :---: | :---: | :---: |
| ASSETS |  |  |  |  |  |
| Cash | 302,160 |  | 302,160 | 100\% | 302,160 |
| Accounts Receivable | 276,120 | $(100,000)$ | 176,120 |  | - |
| Inventory | 216,180 | 10,000 | 226,180 |  | - |
| Other Current Assets | 26,900 |  | 26,900 |  | - |
| Total Current Assets | 821,360 | $(90,000)$ | 731,360 |  | 302,160 |
| Fixed Assets | 3,198,100 | $(698,100)$ | 2,500,000 |  | - |
| (Accumulated Depreciation) | $(800,000)$ | 800,000 | - |  | - |
| Intangible Assets | 20,000 | $(6,000)$ | 14,000 |  |  |
| (Accumulated Amortization) | $(6,000)$ |  | $(6,000)$ |  | - |
| Other Non-Current | 17,510 |  | 17,510 |  | - |
| Non-Operating Assets | 22,180 | $(2,180)$ | 20,000 |  | - |
| Total Assets | 3,273,150 | 3,720 | 3,276,870 |  | $\underline{302,160}$ |
| LIABILITIES \& EQUITY |  |  |  |  |  |
| Accounts Payable | 345,100 |  | 345,100 |  | - |
| Income Taxes | 21,690 |  | 21,690 |  | - |
| Short Term Notes Payable | - |  | - |  | - |
| Current Portion of LT Debt | 86,760 |  | 86,760 |  | - |
| Other Current Liabilities | 28,340 |  | 28,340 |  | - |
| Total Current Liabilities | 481,890 | - | 481,890 |  | - |
| Long Term Debt | 1,356,260 |  | 1,356,260 |  | - |
| Other Non-Current Liabilities | 40,960 |  | 40,960 |  | - |
| Non-Operating Liabilities | 4,020 |  | 4,020 |  | - |
| Total Liabilities | 1,883,130 | - | 1,883,130 |  | - |
| Equity | 1,390,020 | 3,720 | 1,393,740 |  | 302,160 |
| Total Liabilities \& Equity | 3,273,150 | 3,720 | 3,276,870 |  | 302,160 |

## Analysis of the Unadjusted Income Statements

As part of my analysis of the fair market value of a $65 \%$ interest High Country Manufacturing, I analyzed the business's unadjusted income statements for the years ended December 31, 2000 through December 31, 2005. The exhibit below presents the business's income statements for the period December 31, 2000 through December 31, 2005.

|  | $\begin{array}{r} \text { Dec } \\ 2005 \\ \hline \end{array}$ | $\begin{array}{r} \text { Dec } \\ 2004 \\ \hline \end{array}$ | $\begin{array}{r} \text { Dec } \\ 2003 \\ \hline \end{array}$ | $\begin{array}{r} \text { Dec } \\ 2002 \\ \hline \end{array}$ | $\begin{array}{r} \text { Dec } \\ 2001 \\ \hline \end{array}$ | $\begin{array}{r} \text { Dec } \\ 2000 \\ \hline \end{array}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Revenues less Discounts and Allowances | 4,129,660 | 3,756,320 | 3,378,960 | 3,169,490 | 2,417,895 | 1,681,280 |
| Cost of Goods Sold | 1,700,260 | 1,500,620 | 1,250,020 | 1,200,050 | 940,275 | 730,000 |
| Gross Profit | 2,429,400 | 2,255,700 | 2,128,940 | 1,969,440 | 1,477,620 | 951,280 |
| Operating Expenses |  |  |  |  |  |  |
| Depreciation/Amortization | 151,000 | 151,000 | 151,000 | 151,000 | 101,000 | 101,000 |
| Officers' Compensation | 380,000 | 340,000 | 320,000 | 300,000 | 200,000 | 100,000 |
| Operating Lease and Rent | 210,000 | 190,000 | 175,000 | 160,000 | 110,100 | 100,010 |
| Payroll Taxes | 74,500 | 67,300 | 63,500 | 45,200 | 26,300 | 20,520 |
| Salaries | 365,200 | 335,700 | 315,600 | 292,500 | 163,100 | 105,030 |
| Utiilites/Phone | 18,810 | 16,310 | 15,240 | 13,570 | 12,350 | 10,030 |
| Repair/Maintenance | 21,200 | 19,980 | 19,230 | 18,110 | 16,980 | 12,060 |
| Taxes/Licences | 19,130 | 17,720 | 16,920 | 15,810 | 14,350 | 11,280 |
| Advertising | 358,950 | 337,650 | 301,550 | 261,550 | 206,300 | 103,100 |
| Supplies | 16,340 | 15,830 | 15,120 | 14,110 | 13,910 | 10,360 |
| Insurance | 10,810 | 10,720 | 10,450 | 10,350 | 10,100 | 9,230 |
| Other | 10,330 | 10,210 | 10,100 | 9,940 | 9,700 | 8,600 |
| Total Operating Expenses | 1,636,270 | 1,512,420 | 1,413,710 | 1,292,140 | 884,190 | 591,220 |
| Operating Profit | 793,130 | 743,280 | 715,230 | 677,300 | 593,430 | 360,060 |
| Other Income/Expenses 135,600 |  |  |  |  |  |  |
| Interest Expense | 135,600 | 142,120 | 168,230 | 182,400 | 172,250 | 91,820 |
| Other Income | 10,350 | 10,300 | 9,200 | 8,500 | 7,000 | 5,000 |
| Other Expense | 7,820 | 5,900 | 5,700 | 5,600 | 5,000 | 4,000 |
| Income Before Taxes | 660,060 | 605,560 | 550,500 | 497,800 | 423,180 | 269,240 |
| Income Taxes | 224,420 | 205,890 | 187,170 | 169,300 | 143,880 | 91,540 |
| Net Income | 435,640 | 399,670 | 363,330 | 328,500 | 279,300 | 177,700 |

## Adjusted Income Statements

In my analysis of the value of High Country Manufacturing, I reviewed the business's historical income statements for the 6 year period ending December 31, 2005. In order to determine the business's earnings capacity as of December 31, 2005, it was necessary to adjust its income statements for nonoperating revenues and expenses, unusually high or low expenses, and discretionary expenses. This is known as normalizing the income statements. The following schedule shows the adjustments made to the business's income statements.

## Historic Income Before Taxes

Adjustments to Revenue
Revenues less Discounts and Allowances
Other Income
Net Increase (Decrease) in Revenue
Adjustments to Expense
Cost of Goods Sold
Depreciation/Amortization
Officers' Compensation

| Dec | Dec | Dec | Dec | Dec | Dec |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 2005 | 2004 | 2003 | 2002 | 2001 | 2000 |
| 660,060 | 605,560 | 550,500 | 497,800 | 423,180 | 269,240 |

Operating Lease and Rent
Payroll Taxes
Salaries
Utiilites/Phone
Repair/Maintenance
Taxes/Licences
Advertising
Supplies
Insurance
Other
Interest Expense
Other Expense
Net Increase (Decrease) in Expense
Net Increase (Decrease) to Income
Tax Effect
Net Increase (Decrease) to Income After Tax
Historic Tax Expense
Adjusted Net Income

| 34\% | 35,000 | 35,000 | 30,000 | 30,000 | 25,000 | 25,000 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | $(35,000)$ | $(35,000)$ | $(30,000)$ | $(30,000)$ | $(25,000)$ | $(25,000)$ |
|  | $(11,900)$ | $(11,900)$ | $(10,200)$ | $(10,200)$ | $(8,500)$ | $(8,500)$ |
|  | $(46,900)$ | $(46,900)$ | $(40,200)$ | $(40,200)$ | $(33,500)$ | $(33,500)$ |
|  | 224,420 | 205,890 | 187,170 | 169,300 | 143,880 | 91,540 |
|  | 388,740 | 352,770 | 323,130 | 288,300 | 245,800 | 144,200 |

The resulting normalized net income for each of the periods in the analysis is presented in the following exhibit.

|  | $\begin{gathered} \text { Dec } \\ 2005 \\ \hline \end{gathered}$ | $\begin{gathered} \text { Dec } \\ 2004 \\ \hline \end{gathered}$ | $\begin{gathered} \text { Dec } \\ 2003 \\ \hline \end{gathered}$ | $\begin{gathered} \text { Dec } \\ 2002 \\ \hline \end{gathered}$ | $\begin{gathered} \text { Dec } \\ 2001 \end{gathered}$ | $\begin{gathered} \text { Dec } \\ 2000 \\ \hline \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Revenues less Discounts and Allowances | 4,129,660 | 3,756,320 | 3,378,960 | 3,169,490 | 2,417,895 | 1,681,280 |
| Cost of Goods Sold | 1,700,260 | 1,500,620 | 1,250,020 | 1,200,050 | 940,275 | 730,000 |
| Gross Profit | 2,429,400 | 2,255,700 | 2,128,940 | 1,969,440 | 1,477,620 | 951,280 |
| Operating Expenses: |  |  |  |  |  |  |
| Depreciation/Amortization | 151,000 | 151,000 | 151,000 | 151,000 | 101,000 | 101,000 |
| Officers' Compensation | 390,000 | 350,000 | 330,000 | 310,000 | 210,000 | 110,000 |
| Operating Lease and Rent | 235,000 | 215,000 | 195,000 | 180,000 | 125,100 | 115,010 |
| Payroll Taxes | 74,500 | 67,300 | 63,500 | 45,200 | 26,300 | 20,520 |
| Salaries | 365,200 | 335,700 | 315,600 | 292,500 | 163,100 | 105,030 |
| Utiilites/Phone | 18,810 | 16,310 | 15,240 | 13,570 | 12,350 | 10,030 |
| Repair/Maintenance | 21,200 | 19,980 | 19,230 | 18,110 | 16,980 | 12,060 |
| Taxes/Licences | 19,130 | 17,720 | 16,920 | 15,810 | 14,350 | 11,280 |
| Advertising | 358,950 | 337,650 | 301,550 | 261,550 | 206,300 | 103,100 |
| Supplies | 16,340 | 15,830 | 15,120 | 14,110 | 13,910 | 10,360 |
| Insurance | 10,810 | 10,720 | 10,450 | 10,350 | 10,100 | 9,230 |
| Other | 10,330 | 10,210 | 10,100 | 9,940 | 9,700 | 8,600 |
| Total Operating Expenses | 1,671,270 | 1,547,420 | 1,443,710 | 1,322,140 | 909,190 | 616,220 |
| Operating Profit | 758,130 | 708,280 | 685,230 | 647,300 | 568,430 | 335,060 |
| Other Income/Expenses |  |  |  |  |  |  |
| Interest Expense | 135,600 | 142,120 | 168,230 | 182,400 | 172,250 | 91,820 |
| Other Income | 10,350 | 10,300 | 9,200 | 8,500 | 7,000 | 5,000 |
| Other Expense | 7,820 | 5,900 | 5,700 | 5,600 | 5,000 | 4,000 |
| Income Before Taxes | 625,060 | 570,560 | 520,500 | 467,800 | 398,180 | 244,240 |
| Income Taxes | 236,320 | 217,790 | 197,370 | 179,500 | 152,380 | 100,040 |
| Net Income | 388,740 | 352,770 | 323,130 | 288,300 | 245,800 | 144,200 |

## Comparative Industry Analysis

The following schedule presents a comparative ratio analysis of High Country Manufacturing and similarly sized firms operating in the same industry. Six categories of ratios (liquidity, coverage, leverage, operating, expense to revenue, and cash flow) have been used to compare the operating results of High Country Manufacturing with that of the industry. The ratios of the subject company have been compared to the industry ratios as supplied by RMA, IRS, and User Defined.

## LIQUIDITY RATIOS

Current Ratio
Quick (Acid-Test) Ratio
Revenue/Accounts Receivable
Average Collection Period
Inventory Turnover
Days Inventory
COGS/Payable
Days Payable
Revenue/Working Capita
COVERAGE RATIOS:
Times Interest Earned
NI+Non-Cash Expenditures / Current LTD LEVERAGE RATIOS: Fixed Assets/Tangible Worth
Debt/Tangible Net Worth
Debt/Equity
OPERATING RATIOS:
EBT/Tangible Worth
EBT/Total Assets
Fixed Asset Turnover
Total Asset Turnover
EXPENSE TO REVENUE RATIOS:
\% Deprtn., Depltn., Amort./Revenue
\% Officers' \&/or Owners' Compensation/Revenue
Lower RMA
Median RMA Upper RMA IRS

| Upper RMA | IRS | Integra | $\begin{gathered} \text { Adjusted } \\ 2005 \\ \hline \end{gathered}$ | $\begin{gathered} \text { Historic } \\ 2005 \\ \hline \end{gathered}$ | $\begin{gathered} \text { Historic } \\ 2004 \end{gathered}$ | $\begin{gathered} \text { Historic } \\ 2003 \\ \hline \end{gathered}$ | $\begin{gathered} \text { Historic } \\ 2002 \\ \hline \end{gathered}$ | Historic $2001$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 3.1 | 1.4 | - | 1.52 | 1.70 | 1.55 | 1.43 | 1.33 | 1.38 |
| 2.3 | 0.7 | - | 0.99 | 1.20 | 1.13 | 1.03 | 0.91 | 0.89 |
| 6.4 | 9.4 | - | 23.45 | 14.96 | 13.28 | 13.80 | 14.66 | 13.40 |
| 57 | 39 | - | 16 | 24 | 27 | 26 | 25 | 27 |
| 999.9 | 7.8 | - | 7.52 | 7.87 | 7.76 | 6.71 | 6.22 | 5.07 |
| - | 47 | - | 49 | 46 | 47 | 54 | 59 | 72 |
| 34.4 | 8.1 | - | 4.93 | 4.93 | 4.39 | 3.73 | 3.81 | 4.70 |
| 11 | 45 | - | 74 | 74 | 83 | 98 | 96 | 78 |
| 5.1 | 10.9 | - | 16.55 | 12.17 | 13.12 | 14.90 | 18.36 | 15.24 |
| 7.0 | 6.3 | - | 5.61 | 5.87 | 5.26 | 4.27 | 3.73 | 3.46 |
| - | - | N/A | 6.22 | 6.76 | 6.61 | 6.50 | 6.21 | 5.19 |
| 0.3 | 0.5 | - | 1.80 | 1.74 | 1.96 | 2.35 | 3.24 | 4.01 |
| 0.6 | 3.2 | - | 1.36 | 1.37 | 1.64 | 2.08 | 3.19 | 4.40 |
| 1.3 | 1.4 |  | 1.35 | 1.35 | 1.62 | 2.05 | 3.12 | 4.22 |
| 25.90\% | 36.41\% | 0.00\% | 45.11\% | 47.97\% | 48.51\% | 50.84\% | 64.78\% | 96.40\% |
| 8.80\% | 8.51\% | 0.00\% | 19.07\% | 20.17\% | 18.29\% | 16.40\% | 15.38\% | 17.73\% |
| 27.0 | 19.3 | - | 1.65 | 1.72 | 1.53 | 1.33 | 1.27 | 1.37 |
| 2.8 | 2.2 | - | 1.26 | 1.26 | 1.13 | 1.01 | 0.98 | 1.01 |
| 1.40\% | 0.71\% | 0.00\% | 3.66\% | 3.66\% | 4.02\% | 4.47\% | 4.76\% | 4.18\% |
| 0.00\% | 2.18\% | 0.00\% | 9.44\% | 9.20\% | 9.05\% | 9.47\% | 9.47\% | 8.27\% |
|  |  |  |  | 1.14 | 0.99 | 0.97 | 1.05 | 0.94 |
|  |  |  |  | 6.90 | 6.26 | 5.12 | 4.52 | 4.01 |
|  |  |  |  | 6.71 | 6.04 | 5.16 | 4.94 | 4.12 |
|  |  |  |  | 0.50 | 0.53 | 0.88 | 1.05 | 0.94 |
|  |  |  |  | 2.75 | 3.40 | 3.41 | 3.66 | 0.44 |
|  |  |  |  | 0.38 | 0.32 | 0.28 | 0.27 | 0.24 |
|  |  |  |  | 0.27 | 0.61 | 1.23 | 1.38 | (2.74) |
|  |  |  |  | 1.76 | 1.91 | 1.82 | 3.64 | (7.36) |


|  |  |
| ---: | ---: |
| 1.20 | 1.7 |
| 0.8 | 1.4 |
| 3.8 | 5.6 |
| $\mathbf{9 6}$ | $\mathbf{6 5}$ |
| 24.2 | 640.7 |
| $\mathbf{1 5}$ | $\mathbf{1}$ |
| 7.4 | 13.2 |
| $\mathbf{4 9}$ | $\mathbf{2 8}$ |
| 13.9 | 8.8 |
|  |  |
| 1.3 | 2.3 |
|  |  |
|  | - |
| 1.0 | 0.6 |
| 3.2 | 1.2 |
| 1.3 | 1.3 |
|  |  |
| $0.90 \%$ | $11.60 \%$ |
| $0.50 \%$ | $2.00 \%$ |
| 7.2 | 9.9 |
| 1.5 | 2.2 |
|  |  |
| $4.20 \%$ | $2.10 \%$ |
| $0.00 \%$ | $0.00 \%$ |

## Cash Flow Ratios

Operating Cash Flow (OCF)
Funds Flow Coverage (FFC)
Cash Interest Coverage
Cash Current Debt Coverage
Capital Expenditure
Total Debt
Total Free Cash
Cash Flow Adequa

## Valuation Methods Rejected

All the methods are discussed here. The methods that do not need to be discussed should be deleted. Additional text can be added as well.

## Book Value Method

The book value of High Country Manufacturing as of December 31, 2005 was $\$ 1,390,020$. Book value is an accounting value that is calculated by subtracting total liabilities from total assets. Because the book value of a company does not consider the fair market value of a company's assets and liabilities or the fair market value of any intangible assets, it is not an accurate reflection of the business's fair market value as of the date of valuation. Therefore, although I considered High Country Manufacturing's book value, I rejected it as an accurate indicator of the business's fair market value as of December 31, 2005.

## Liquidation Value Method

Liquidation value is the value of the business's assets (minus liabilities) valued as if they were to be sold in an orderly, piecemeal manner. Although I considered the liquidation value of High Country Manufacturing, I rejected the method as an accurate indicator of its fair market value as of December 31, 2005 due to my opinion that the business was a going concern at that date.

## Adjusted Book Value Method

A business's adjusted book value is calculated by adjusting the company's assets and liabilities from their book value to their estimated fair market value as of the date of valuation. In a going concern business, fair market value usually is depreciated replacement cost. However, like the book value method and the
liquidation value method, the adjusted book value method does not consider the business's earnings capacity. The adjusted book method is used primarily to value holding companies or businesses that do not possess goodwill value. Because High Country Manufacturing's value is derived primarily from its earnings flow, I rejected the adjusted book value method as an appropriate method to determine the business's fair market value.

## Capitalization of Earnings Method

The capitalization of earnings method is appropriate to use when a business's value is based primarily on its expected earnings stream and the earnings stream is expected to remain stable in the future. In the valuation of High Country Manufacturing, I rejected the capitalization of earnings method as a primary valuation method because the conditions for its use did not exist.

## Capitalization of Excess Earnings Method

The capitalization of excess earnings method is a hybrid method based on tax law. Although I considered the capitalization of excess earnings method, I rejected it as an appropriate method to value High Country Manufacturing because there were better methods available to estimate the company's fair market value.

## Discounted Cash Flows Method

The discounted cash flows method is used primarily when a business's fair market value is related to its earnings. In addition, the method is useful when the subject business's short-term earnings are not expected to grow at the same rate as its long term earnings. In the valuation of High Country Manufacturing, I considered the discounted cash flows method and rejected it as an appropriate method to value High Country Manufacturing because the conditions for its use did not exist.

## Market Approach - Publicly-Traded Guideline Companies Methods

In the valuation of High Country Manufacturing, I considered using valuation ratios derived from publiclytraded guideline companies. However, I rejected using the public company guideline company method due to the disparity in the size, product mix, geographic location, and capital structure between the publicly-traded guideline companies and High Country Manufacturing.

## Price to Earnings

In the valuation of High Country Manufacturing, I considered using the price to earnings ratios of publicly-traded guideline companies to value High Country Manufacturing. However, I rejected the method because I do not believe that the results are indicative of the fair market value of High Country Manufacturing as of December 31, 2005.

## Price to Revenues

In the valuation of High Country Manufacturing, I considered using the price to revenue ratios of publiclytraded guideline companies to value High Country Manufacturing. However, I rejected the method because I do not believe that the results are indicative of the fair market value of High Country Manufacturing as of December 31, 2005.

## Price to Seller's Discretionary Earnings

In the valuation of High Country Manufacturing, I considered using the price to seller's discretionary earnings ratios of publicly-traded guideline companies to value High Country Manufacturing. However, I rejected the method because I do not believe that the results are indicative of the fair market value of High Country Manufacturing as of December 31, 2005.

## Price to Book Value

In the valuation of High Country Manufacturing, I considered using the multiple of book value ratios of publicly-traded guideline companies to value High Country Manufacturing. However, I rejected the method because I do not believe that the results are indicative of the fair market value of High Country Manufacturing as of December 31, 2005.

## Price to Asset Value

In the valuation of High Country Manufacturing, I considered using the multiple of Assets of publiclytraded guideline companies to value High Country Manufacturing. However, I rejected the method because I do not believe that the results are indicative of the fair market value of High Country Manufacturing as of December 31, 2005.

## Price to Cash Flow

In the valuation of High Country Manufacturing, I considered using the price to cash flows ratios of publicly-traded guideline companies to value High Country Manufacturing. However, I rejected the method because I do not believe that the results are indicative of the fair market value of High Country Manufacturing as of December 31, 2005.

## Price to Earnings Before Taxes (EBT)

In the valuation of High Country Manufacturing, I considered using the price to earnings before taxes ratios of publicly-traded guideline companies to value High Country Manufacturing. However, I rejected the method because I do not believe that the results are indicative of the fair market value of High Country Manufacturing as of December 31, 2005.

## Price to Earnings Before Interest And Taxes (EBIT)

In the valuation of High Country Manufacturing, I considered using the price to earnings before interest and taxes ratios of publicly-traded guideline companies to value High Country Manufacturing. However, I rejected the method because I do not believe that the results are indicative of the fair market value of High Country Manufacturing as of December 31, 2005.

## Price to Earnings Before Interest And Taxes And Depreciation (EBITDA)

In the valuation of High Country Manufacturing, I considered using the price to earnings before interest, taxes, depreciation, and amortization ratios of publicly-traded guideline companies to value High Country Manufacturing. However, I rejected the method because I do not believe that the results are indicative of the fair market value of High Country Manufacturing as of December 31, 2005.

## Market Approach - Industry Pricing Ratio Methods

## Conceptual Basis

Market based valuation methods can use capitalization rates and/or multiples that are extrapolated from transactions involving companies in a similar industry to the subject company to derive the fair market value for a closely business. The theory behind this method is that the marketplace for these businesses determines what price is an acceptable return for the earnings stream, gross revenue, equity or assets within a specific industry and can be used as a proxy for the multiples that a specific company could
expect to transact at. When using valuation ratios derived from the public marketplace, the comparability may be limited by differences in location, the nature of the industry, and size of the subject company.

## Price to Earnings

In the valuation of High Country Manufacturing, I considered using the price to earnings ratios of the industry to value High Country Manufacturing. However, I rejected the method because I do not believe that the results are indicative of the fair market value of High Country Manufacturing as of December 31, 2005.

## Price to Revenues

In the valuation of High Country Manufacturing, I considered using the price to revenue ratios of the industry to value High Country Manufacturing. However, I rejected the method because I do not believe that the results are indicative of the fair market value of High Country Manufacturing as of December 31, 2005.

## Price to Book Value

In the valuation of High Country Manufacturing, I considered using the multiple of book value ratios of the industry to value High Country Manufacturing. However, I rejected the method because I do not believe that the results are indicative of the fair market value of High Country Manufacturing as of December 31, 2005.

## Price to Cash Flow

In the valuation of High Country Manufacturing, I considered using the price to cash flows ratios of the industry to value High Country Manufacturing. However, I rejected the method because I do not believe that the results are indicative of the fair market value of High Country Manufacturing as of December 31, 2005.

## Valuation Methods Accepted

All of the methods are described below. Please delete those that do not apply.
In determining the fair market value of High Country Manufacturing as of December 31, 2005, it is my opinion that the primary method to be used is ****.

## Book Value Method

The book value of High Country Manufacturing as of December 31, 2005 was $\$ 1,390,020$. Book value is an accounting value that is calculated by subtracting total liabilities from total assets. In my opinion, book value is an accurate measure of the business's fair market value as of December 31, 2005.

## Liquidation Value Method

The liquidation value of High Country Manufacturing as of December 31, 2005 was approximately
$\$ 80,200$. Liquidation value is the value of the business's assets (minus liabilities) valued as if they were to be sold in an orderly, piecemeal manner. In my opinion, High Country Manufacturing is not a going concern business and, therefore, should be valued using a liquidation method.

## Adjusted Book Value Method

A business's adjusted book value is calculated by adjusting the book value of the company's assets and liabilities to their estimated fair market value as of the date of valuation. In a going concern business, fair market value usually is depreciated replacement cost. The adjusted book method is used primarily to value holding companies, companies that have no goodwill value, or companies whose value is primarily intrinsic to its assets. In my opinion, High Country Manufacturing does not possess economically valuable goodwill; therefore, the adjusted book value method is the appropriate method to determine the business's fair market value as of December 31, 2005. At December 31, 2005, High Country Manufacturing's adjusted book value was $\$ 620,200$.

## Income Methods of Valuation

## Capitalization of Earnings Method

## Conceptual Basis

The capitalization of earnings method values the business based on an expected stream of earnings (cash flow) capitalized by a risk-adjusted rate of return. A capitalization of earnings method is used primarily to value businesses whose earnings are expected to remain stable and whose value is based on its projected earnings stream. The steps involved in using the capitalization of earnings method are:

1. Estimate the business's pro-forma sustainable earnings.
2. Determine the appropriate capitalization rate.
3. Capitalize the sustainable earnings into an operating value.
4. Adjust for non-operating assets and/or liabilities, premiums and discounts to determine the fair market value for the entity at the date of valuation.

## Sustainable Pro-Forma Earnings to be Capitalized

In order to estimate the business's fair market value using the capitalization of earnings method, it is necessary to determine High Country Manufacturing's sustainable ongoing capacity or earnings base as of the date of valuation. The first step, adjusting the historical income statements to a normalized state, was completed in a previous section of this appraisal report. The second step, weighting the adjusted income statements and calculating the weighted-average earnings base, is presented in the following schedule.


## Selection of an Appropriate Capitalization Rate

Helper Text - If WACC is used additional paragraphs will need to be included to describe the weighting of equity and debt.

Capitalization rates vary among particular types of businesses and from one period of time to another. Capitalization rates are expressed as a percentage and represent the risk of receiving the benefit stream over time. The more speculative or higher the risk, the higher the capitalization rate; conversely, the less speculative or lower the risk, the lower the capitalization rate.
The two basic components of a capitalization rate are the discount rate and a growth rate. The discount rate is built up by summing the risk factor an owner/investor encounters in the investment decision. The growth rate is rate at which the benefit stream should grow into perpetuity. To determine the capitalization rate the growth rate is subtracted from the discount rate.
The discount rate is built by summing up the following factors; the risk-free rate of return, the common stock equity risk premium, the smaller size premium, the industry risk premium and the company specific premium.

The risk-free rate of return includes the investors' required rate of return for the "riskless" use of their funds and a factor for inflation. The rate of return earned on long term U.S. Government bonds is considered a good proxy for the risk-free rate of return. As of December 31, 2005, the date of valuation, the rate of return on a twenty-year U.S. Government Treasury Bond was $5.10 \%$. Therefore, the risk-free rate of return is $5.10 \%$.

The common stock equity risk premium return is the additional rate of return required by investors in the market to compensate them for the additional risk in investing in a stock security as compared to a long term U.S. Government security. In the Ibbotson Associates' Stocks, Bonds, Bills and Inflation Yearbook, it is shown that, between 1926 and 2003, the average total returns earned on large corporate stocks has been approximately $7.20 \%$ higher than the average total annual returns for long term U.S. Government bonds. Therefore, in developing a discount rate, I added an equity risk premium of $7.20 \%$ to the risk-free rate of return.

The same Ibbotson Associates' study indicates that the smallest stocks traded on the New York Stock Exchange (defined as the lower Insert the decile percent) earned an additional $4.00 \%$ premium over the larger stocks traded on the exchange. This small stock premium was added to the risk-free rate of return and the equity risk premium.

In the Ibbotson Associates' Stocks, Bonds, Bills and Inflation Yearbook, the risk of doing business in a particular industry has been calculated using a beta methodology on public companies to determine the
risk that a particular industry has. This risk can be greater than the market as a whole (a plus number) or the risk can be less than the market as a whole (a negative number). According to Ibbotson Associates, the industry risk premium is $-1.30 \%$, therefore, I included this amount in the buildup of the discount rate.
Investing in a closely-held business involves additional elements of risk which must be compensated by offering a higher rate of return. The additional risk may be from specific risks associated with the company itself. Although there is little empirical evidence to assist the appraiser in determining this subjective risk premium, I have considered the following factors:

1. The business's financial ratios.
2. The long term outlook for the subject company's industry.
3. The depth of the subject company's management.
4. The degree of competition for the subject business's revenues.
5. The historical trend in the subject company's after tax earnings.
6. The geographic region the subject company conducts business in.

After considering the aforementioned factors, it is my opinion that the subjective risk premium for High Country Manufacturing should be approximately 21.0\%.

Because I have chosen to use a pre-tax base in my calculation of fair market value, another step in building the discount rate is required. The sum of the aforementioned components equals the after tax discount rate. In order to convert from a pre-tax to after tax basis, it is necessary to reduce the discount rate by a factor based on the marginal tax rate. I selected a conversion factor of $0.0 \%$.

Because I have chosen to use an earnings base in my calculation of fair market value, another step in building the discount rate is required. The sum of the aforementioned components equals the discount rate applicable to cash flows. In order to convert the discount rate from a cash flow basis to an earnings basis, it is necessary to estimate the difference between cash flows and earnings. In general, this difference ranges from 0 percent to 6 percent. I selected a conversion factor of $0.00 \%$.
In order to calculate a capitalization rate, it is necessary to subtract the company's expected long term growth rate in earnings from the discount rate. Based on the national economy (as discussed above), the local and industry economy (discussed above), and the company's historical growth rate, it is my opinion that the business's long term growth rate in earnings will be approximately $5.0 \%$.
The result of subtracting the business's expected long term growth rate in earnings from the discount rate is a capitalization rate of $31.0 \%$. This capitalization rate is, by definition, for the next year's earnings. To convert it to a current year's earnings capitalization rate, it is necessary to divide the capitalization rate by the sum of one plus the expected long term growth rate in the business's earnings ( $1 / 1+5.0 \%$ ). The result of the calculation is a capitalization rate of $29.5 \%$ that is applicable to the current year's earnings.

## The following paragraph only applies if the mid-year convention is used.

Because the earnings are received over the course of the year and not at the end of the year, I have decided to apply a mid-year convention to the rate. The result is a capitalization rate of $25.3 \%$.

The following exhibit shows the calculation for the capitalization rate for High Country Manufacturing as of December 31, 2005.

| Cost of equity |  |  |  |
| :---: | :---: | :---: | :---: |
| Risk-free Rate of Return |  | 5.1\% |  |
| Common Stock Equity Risk Premium |  | 7.2\% |  |
| Small Stock Risk Premium |  | 4.0\% |  |
| Plus/Minus Industry Risk Premium |  | -1.3\% |  |
| Company Specific Premium |  |  |  |
| Depth of Management | 6.0\% |  |  |
| Importance of Key Personnel | 4.0\% |  |  |
| Stability of Industry | 3.0\% |  |  |
| Diversification of Product Line | 2.0\% |  |  |
| Diversification of Customer Base | 1.0\% |  |  |
| Diversification/Stability of Suppliers | 1.0\% |  |  |
| Geographic Location | 1.0\% |  |  |
| Stability of Earnings | 1.0\% |  |  |
| Earnings Margins | 1.0\% |  |  |
| Financial Structure | 1.0\% |  |  |
| Total Company Specific Premium |  | 21.0\% |  |
| Total Cost of Equity |  |  | 36.0\% |
| Less Sustainable Growth |  |  | 5.0\% |
| Next Year Capitalization Rate |  |  | 31.0\% |
| Current Year Capitalization Rate |  |  | 29.5\% |
| Selected Capitalization Rate |  |  | $\underline{ }$ |

## Capitalize the Pro-Forma Earnings

The following exhibit summarizes the calculation of the business's fair market value using the capitalization of earnings method. Note that premiums, discounts and excess/non-operating assets are discussed further in another section of this report.

| Adjusted After Tax Cash Flow | 79,700 |
| :---: | :---: |
| Divide By |  |
| Capitalization Rate | 29.5\% |
| Sub-Total | 270,169 |
| Less Minority Interest Discount | 31.3\% |
| Sub-Total | 185,606 |
| Less Marketability Discount | 28.0\% |
| Sub-Total | 133,637 |
| Excess/Non-Operating Assets | 615,980 |
| Indicated Value | 749,617 |
| Selected Value | 749,600 |

## Discounted Cash Flows Method

## Conceptual Basis

The discounted cash flows analysis is an income method to valuation wherein the total fair market value of the business entity is calculated by discounting projected future cash flows back to the date of valuation. At the end of the projection period, a residual or terminal value is calculated and discounted to its present value at the date of valuation. The theory behind the discounted cash flows method is that an entity's value is equal to the present value of its expected future cash flows. It is used primarily when a
business's short-term growth of the projected earnings stream is not expected to equal its expected long term growth rate and when a business's earnings and/or cash flows are the primary factors of value.

The steps involved in a discounted cash flows analysis are as follows:

1. Develop the pro-forma ongoing capacity base to be used for the projected cash flows.
2. Develop the method to be used to project future earnings or cash flows.
3. Develop a risk adjusted discount rate.
4. Discount to the date of valuation the projected cash flow streams using the discount rate.
5. Capitalize the terminal year's projected income into a residual value using the discount rate less the terminal growth rate.
6. Discount the residual value to its present value as of the date of valuation.
7. Sum the present values of the discounted cash flows and residual value.
8. Adjust for non-operating assets and/or liabilities, premiums and discounts to determine the fair market value for the entity at the date of valuation.

## Pro-Forma Base

In order to estimate the business's fair market value using the discounted cash flows method, it is necessary to determine High Country Manufacturing's cash flow base as of the date of valuation. The first step, adjusting the historical income statements to a normalized state, was completed in a previous section of this appraisal report. The second step, weighting the adjusted income statements and calculating the weighted-average base, is presented in the following schedule.

| After Tax Cash Flow |  | $\begin{array}{r} \text { Dec } \\ 2005 \end{array}$ | $\begin{array}{r} \text { Dec } \\ 2004 \end{array}$ | $\begin{array}{r} \text { Dec } \\ 2003 \end{array}$ | $\begin{array}{r} \text { Dec } \\ 2002 \end{array}$ | $\begin{array}{r} \text { Dec } \\ 2001 \end{array}$ | $\begin{gathered} \text { Dec } \\ 2000 \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Adjusted EBT |  | 625,060 | 570,560 | 520,500 | 467,800 | 398,180 | 244,240 |
| Adjusted Depreciation and Amortizatior |  | 151,000 | 151,000 | 151,000 | 151,000 | 101,000 | 101,000 |
|  |  | 776,060 | 721,560 | 671,500 | 618,800 | 499,180 | 345,240 |
| Weight |  | - | 5 | 4 | , | 2 | 1 |
| Weighted Average |  | 673,817 |  |  |  |  |  |
| Less Ongoing Depreciation/Amortization Expense |  | 143,857 |  |  |  |  |  |
| Taxable Base |  | 529,960 |  |  |  |  |  |
| Less State Income Taxes | 10\% | 52,996 |  |  |  |  |  |
| Sub-Total |  | 476,964 |  |  |  |  |  |
| Less Federal Taxes (From Below) |  | 162,168 |  |  |  |  |  |
| Sub-Total |  | 314,796 |  |  |  |  |  |
| Add Back Ongoing Depreciation/Amortization Expense |  | 143,857 |  |  |  |  |  |
| Decrease/(Increase) in Working Capital |  | $(54,200)$ |  |  |  |  |  |
| Decrease/(Increase) in Capital Expenditures |  | $(444,600)$ |  |  |  |  |  |
| Increase/(Decrease) in Long Term Debt |  | 119,800 |  |  |  |  |  |
| Ongoing Capacity |  | 79,653 |  |  |  |  |  |
| Selected Ongoing Capacity |  | 79,700 |  |  |  |  |  |

## Selection of an Appropriate Discount Rate

Helper Text - If WACC is used additional paragraphs will need to be included to describe the weighting of equity and debt.

Discount rates vary among particular types of businesses and from one period of time to another. Discount rates are expressed as a percentage and represent the risk of receiving the benefit stream over time. The more speculative or higher the risk, the higher the discount rate; conversely, the less
speculative or lower the risk, the lower the discount rate.
The discount rate is built by summing up the following factors; the risk-free rate of return, the common stock equity risk premium, the smaller size premium, the industry risk premium and the company specific premium.
The risk-free rate of return includes the investors' required rate of return for the "riskless" use of their funds and a factor for inflation. The rate of return earned on long term U.S. Government bonds is considered a good proxy for the risk-free rate of return. As of December 31, 2005, the date of valuation, the rate of return on a twenty-year U.S. Government Treasury Bond was $5.1 \%$. Therefore, the risk-free rate of return is $5.1 \%$.

The common stock equity risk premium return is the additional rate of return required by investors in the market to compensate them for the additional risk in investing in a stock security as compared to a long term U.S. Government security. In the Ibbotson Associates' Stocks, Bonds, Bills and Inflation Yearbook, it is shown that, between 1926 and 2003, the average total returns earned on large corporate stocks has been approximately $7.2 \%$ higher than the average total annual returns for long term U.S. Government bonds. Therefore, in developing a discount rate, I added an equity risk premium of $7.2 \%$ to the risk-free rate of return.

The same Ibbotson Associates' study indicates that the smallest stocks traded on the New York Stock Exchange (defined as the lower Insert the decile percent) earned an additional 4.0\% premium over the larger stocks traded on the exchange. This small stock premium was added to the risk-free rate of return and the equity risk premium.

In the Ibbotson Associates' Stocks, Bonds, Bills and Inflation Yearbook, the risk of doing business in a particular industry has been calculated using a beta methodology on public companies to determine the risk that a particular industry has. This risk can be greater than the market as a whole (a plus number) or the risk can be less than the market as a whole (a negative number). According to Ibbotson Associates, the industry risk premium is $-1.3 \%$, therefore, I included this amount in the buildup of the discount rate.

Investing in a closely-held business involves additional elements of risk which must be compensated by offering a higher rate of return. The additional risk may be from specific risks associated with the company itself. Although there is little empirical evidence to assist the appraiser in determining this subjective risk premium, I have considered the following factors:

1. The business's financial ratios.
2. The long term outlook for the subject company's industry.
3. The depth of the subject company's management.
4. The degree of competition for the subject business's revenues.
5. The historical trend in the subject company's after tax earnings.
6. The geographic region the subject company conducts business in.

After considering the aforementioned factors, it is my opinion that the subjective risk premium for High Country Manufacturing should be approximately $21.0 \%$.

Because I have chosen to use a pre-tax base in my calculation of fair market value, another step in building the discount rate is required. The sum of the aforementioned components equals the after tax discount rate. In order to convert from a pre-tax to after tax basis, it is necessary to reduce the discount rate by a factor based on the marginal tax rate. I selected a conversion factor of $0.0 \%$.
Because I have chosen to use an earnings base in my calculation of fair market value, another step in building the discount rate is required. The sum of the aforementioned components equals the discount rate applicable to cash flows. In order to convert the discount rate from a cash flow basis to an earnings basis, it is necessary to estimate the difference between cash flows and earnings. In general, this difference ranges from 0 percent to 6 percent. I selected a conversion factor of $0.0 \%$.

The result of adding these risk factors is a discount rate of $36.0 \%$. The following exhibit shows the calculation for the capitalization rate for High Country Manufacturing as of December 31, 2005.

Cost of equity

| Risk-free Rate of Return |  | $5.1 \%$ |
| :--- | ---: | ---: |
| Common Stock Equity Risk Premium | $7.2 \%$ |  |
| Small Stock Risk Premium | $4.0 \%$ |  |
| Plus/Minus Industry Risk Premium | $-1.3 \%$ |  |
| Company Specific Premium | $6.0 \%$ |  |
| Depth of Management | $4.0 \%$ |  |
| Importance of Key Personnel | $3.0 \%$ |  |
| Stability of Industry | $2.0 \%$ |  |
| Diversification of Product Line | $1.0 \%$ |  |
| Diversification of Customer Base | $1.0 \%$ |  |
| Diversification/Stability of Suppliers | $1.0 \%$ |  |
| Geographic Location | $1.0 \%$ |  |
| Stability of Earnings | $1.0 \%$ |  |
| Earnings Margins | $1.0 \%$ | $21.0 \%$ |
| Financial Structure |  |  |
| Total Company Specific Premium |  |  |

Discount Rate $\quad$| $\frac{36.0 \%}{}$ |
| :--- |

## Projected Earnings Method

The next step is to determine the applicable method for forecasting the future earnings.

|  | Dec | Dec | Dec | Dec | Dec |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Percentage Growth | 2006 | 2007 | 2008 | 2009 | 2010 |
| Enter Growth Percentage | 10.0\% | 10.0\% | 10.0\% | 10.0\% | 10.0\% |
| Projected Economic Stream | 87,670 | 96,437 | 106,081 | 116,689 | 128,358 |

## Cash Flows to be Discounted

The following exhibit shows the business's estimated projected earnings for the 5 years after the date of valuation discounted to their present values as of December 31, 2005. In addition, the last year's projected earnings were capitalized into a residual value and discounted to its present value as of December 31, 2005. Note that premiums, discounts and excess/non-operating assets are discussed further in another section of this report.


## Capitalization of Excess Earnings Method

## Conceptual Basis

The capitalization of excess earnings (or I.R.S. Formula Approach) is a hybrid valuation method wherein the business's tangible assets and intangible assets are valued independently. The tangible and intangible assets are then summed to calculate the business's fair market value as of the date of valuation.

## Value of the Tangible Assets

The tangible assets were adjusted to market value and discussed in the "Balance Sheet Adjustments" section of this appraisal report. The estimated fair market value of the business's tangible assets as of December 31, 2005 was calculated to be $\$ 2,650,970$.

## Calculating Excess Earnings

In order to estimate the business's fair market value using the capitalization of excess earnings method, it is necessary to determine High Country Manufacturing's excess earnings base as of December 31, 2005, the date of valuation. The excess earnings base is calculated by determining the business's sustainable earnings base and deducting a fair return on its net operating tangible assets.
The first step, determining the business's sustainable earnings base, was performed by adjusting the historical income statements to a normalized base (completed in the "Normalized Income Statements" section to this appraisal report), weighting the adjusted income statements, and calculating the weighted-average earnings base. The calculation of the weighted-average earnings base is presented in the following schedule.


The second step, deriving a fair return on the business's net operating tangible equity, was calculated by multiplying the business's adjusted net operating tangible assets or equity with the estimated normal return on assets or equity. The estimated normal return was developed using tax affected market rates available on the assets in place.

|  |  |  | $\begin{array}{r} \text { Dec } \\ 2005 \\ \hline \end{array}$ |
| :---: | :---: | :---: | :---: |
| Historic Assets |  |  | 3,273,150 |
| Less Non-Operating Assets |  |  | 22,180 |
| Less Excess Assets |  |  | 600,000 |
| Tax Effect of Built In Gain |  |  | $(139,934)$ |
| Historic Operating Assets |  |  | 2,650,970 |
| Fair Market Value | Loan \% | Loan Amount |  |
| Cash 302,160 | 50.00\% | 151,080 |  |
| Accounts Receivable 176,120 | 50.00\% | 88,060 |  |
| Inventory 226,180 | 50.00\% | 113,090 |  |
| Other Current Assets 26,900 | 50.00\% | 13,450 |  |
| Net Fixed Assets 2,500,000 | 50.00\% | 1,250,000 |  |
| Other Non-Current Assets 17,510 | 50.00\% | 8,755 |  |
| Non-Operating Assets 20,000 | 50.00\% | 10,000 |  |
| Tangible Debt Capacity 3,268,870 |  | 1,634,435 |  |
| Existing Debt |  | 1,443,020 |  |
| Remaining Borrowing Capacity $\div$ Fair Market Value Tangible Debt Capacity | 5.86\% | 191,415 |  |
| Borrowing Rate as of Valuation Date |  | 8.00\% |  |
| Effective Tax Rate |  | 34.00\% |  |
| Tax-Effected Cost of Debt |  | 5.28\% |  |
| Required Rate of Return on Debt Capital $5.28 \% \times$ | 5.86\% | 0.31\% |  |
| Required Rate of Return on Equity Capital $\quad 28.00 \%$ x | 94.14\% | 26.36\% |  |
| Reasonable Rate of Return on Net Tangible assets |  | 26.67\% |  |
| Multiplied By |  |  |  |
| Rate of Return |  |  | 26.67\% |
| Return on Operating Assets |  |  | 707,003 |

The result was $\$ 707,003$ which represents a "normal" return on the resources used to develop the earnings or cash flows as of December 31, 2005.

## Selection of an Appropriate Capitalization Rate

Helper Text - If WACC is used additional paragraphs will need to be included to describe the weighting of equity and debt. If the level of persistence is used additional paragraphs will need to be included to describe its theory and application.

Capitalization rates vary among particular types of businesses and from one period of time to another. Capitalization rates are expressed as a percentage and represent the risk of receiving the benefit stream over time. The more speculative or higher the risk, the higher the capitalization rate; conversely, the less speculative or lower the risk, the lower the capitalization rate.
The two basic components of a capitalization rate are the discount rate and a growth rate. The discount rate is built up by summing the risk factor an owner/investor encounters in the investment decision. The growth rate is rate at which the benefit stream should grow into perpetuity. To determine the capitalization rate the growth rate is subtracted from the discount rate.
The discount rate is built by summing up the following factors; the risk-free rate of return, the common stock equity risk premium, the smaller size premium, the industry risk premium and the company specific premium.
The risk-free rate of return includes the investors' required rate of return for the "riskless" use of their funds and a factor for inflation. The rate of return earned on long term U.S. Government bonds is considered a good proxy for the risk-free rate of return. As of December 31, 2005, the date of valuation, the rate of return on a twenty-year U.S. Government Treasury Bond was $5.10 \%$. Therefore, the risk-free rate of return is $5.10 \%$.

The common stock equity risk premium return is the additional rate of return required by investors in the market to compensate them for the additional risk in investing in a stock security as compared to a long term U.S. Government security. In the Ibbotson Associates' Stocks, Bonds, Bills and Inflation Yearbook, it is shown that, between 1926 and 2003, the average total returns earned on large corporate stocks has been approximately $7.20 \%$ higher than the average total annual returns for long term U.S. Government bonds. Therefore, in developing a discount rate, I added an equity risk premium of $7.20 \%$ to the risk-free rate of return.
The same Ibbotson Associates' study indicates that the smallest stocks traded on the New York Stock Exchange (defined as the lower Insert the decile percent) earned an additional $4.00 \%$ premium over the larger stocks traded on the exchange. This small stock premium was added to the risk-free rate of return and the equity risk premium.

In the Ibbotson Associates' Stocks, Bonds, Bills and Inflation Yearbook, the risk of doing business in a particular industry has been calculated using a beta methodology on public companies to determine the risk that a particular industry has. This risk can be greater than the market as a whole (a plus number) or the risk can be less than the market as a whole (a negative number). According to Ibbotson Associates, the industry risk premium is $-1.30 \%$, therefore, I included this amount in the buildup of the discount rate.

Investing in a closely-held business involves additional elements of risk which must be compensated by offering a higher rate of return. The additional risk may be from specific risks associated with the company itself. Although there is little empirical evidence to assist the appraiser in determining this subjective risk premium, I have considered the following factors:

1. The business's financial ratios.
2. The long term outlook for the subject company's industry.
3. The depth of the subject company's management.
4. The degree of competition for the subject business's revenues.
5. The historical trend in the subject company's after tax earnings.
6. The geographic region the subject company conducts business in.

After considering the aforementioned factors, it is my opinion that the subjective risk premium for High Country Manufacturing should be approximately $24.0 \%$.
Because I have chosen to use a pre-tax base in my calculation of fair market value, another step in building the discount rate is required. The sum of the aforementioned components equals the after tax discount rate. In order to convert from a pre-tax to after tax basis, it is necessary to reduce the discount rate by a factor based on the marginal tax rate. I selected a conversion factor of $0.0 \%$.

Because I have chosen to use an earnings base in my calculation of fair market value, another step in building the discount rate is required. The sum of the aforementioned components equals the discount rate applicable to cash flows. In order to convert the discount rate from a cash flow basis to an earnings basis, it is necessary to estimate the difference between cash flows and earnings. In general, this difference ranges from 0 percent to 6 percent. I selected a conversion factor of $0.00 \%$.
In order to calculate a capitalization rate, it is necessary to subtract the company's expected long term growth rate in earnings from the discount rate. Based on the national economy (as discussed above), the local and industry economy (discussed above), and the company's historical growth rate, it is my opinion that the business's long term growth rate in earnings will be approximately $5.0 \%$.
The result of subtracting the business's expected long term growth rate in earnings from the discount rate is a capitalization rate of $34.0 \%$. This capitalization rate is, by definition, for the next year's earnings. To convert it to a current year's earnings capitalization rate, it is necessary to divide the capitalization rate by the sum of one plus the expected long term growth rate in the business's earnings ( $1 / 1+5.0 \%$ ). The result of the calculation is a capitalization rate of $32.4 \%$ that is applicable to the current year's earnings.

## The following paragraph only applies if the mid-year convention is used.

Because the earnings are received over the course of the year and not at the end of the year, I have decided to apply a mid-year convention to the rate. The result is a capitalization rate of $27.5 \%$.

The following exhibit shows the calculation for the capitalization rate for High Country Manufacturing as of December 31, 2005.

| Cost of equity |  |  |
| :---: | :---: | :---: |
| Risk-free Rate of Return | 5.1\% |  |
| Common Stock Equity Risk Premium | 7.2\% |  |
| Small Stock Risk Premium | 4.0\% |  |
| Plus/Minus Industry Risk Premium | -1.3\% |  |
| Company Specific Premium |  |  |
| Depth of Management | 6.0\% |  |
| Importance of Key Personnel | 4.0\% |  |
| Stability of Industry | 3.0\% |  |
| Diversification of Product Line | 2.0\% |  |
| Diversification of Customer Base | 1.0\% |  |
| Diversification/Stability of Suppliers | 1.0\% |  |
| Geographic Location | 1.0\% |  |
| Stability of Earnings | 1.0\% |  |
| Earnings Margins | 1.0\% |  |
| Financial Structure | 1.0\% |  |
| Total Company Specific Premium | 21.0\% |  |
| Total Cost of Equity |  | 36.0\% |
| Less Sustainable Growth |  | 5.0\% |
| Next Year Capitalization Rate |  | 31.0\% |
| Current Year Capitalization Rate |  | 29.5\% |
| Selected Capitalization Rate |  | 29.5\% |

SBBI-Ibbotson Associates, Inc., Chicago. Data year $=2003$
Industry SIC is 15 - Building Construction-General Contractors and Operative Builders (38 Companies)

## Calculation of Indicated Value

The following exhibit summarizes the calculation of the business entity using the capitalization of excess earnings method. Note that premiums, discounts and excess/non-operating assets are discussed further in another section of this report.

| Adjusted After Tax Cash Flow | 79,700 |
| :--- | ---: |
| Return on Operating Assets | 707,003 |
| Excess Earnings | - |
| Divide By | $32.4 \%$ |
| Capitalization Rate | - |
| Intangible Asset Value | $2,650,970$ |
| Add Historic Operating Assets | $2,650,970$ |
| Sub-Total | $31.3 \%$ |
| Less Minority Interest Discount | $1,821,216$ |
| Sub-Total | $28.0 \%$ |
| Less Marketability Discount | $1,311,276$ |
| Sub-Total | 615,980 |
| Excess/Non-Operating Assets | $1,927,256$ |
| Indicated Value |  |
| Selected Value |  |

## Market Approach - Publicly-Traded Guideline Companies Methods

## Conceptual Basis

Market based valuation methods use multiples that are extrapolated from publicly-traded guideline company data to derive the fair market value for the subject business. The theory behind this method is that the public market determines what price is an acceptable return for the earnings stream, gross revenue, or book value for a company. If that company is similar to the subject company then that multiple can be applied as a proxy for the fair market value of the subject company.

## Identification of Publicly-Traded Guideline Companies

The publicly-traded guideline company method uses valuation ratios of "comparable" guideline companies to determine the operating value of the subject company. My research began with obtaining information on all publicly-traded companies that had the same standard industrial classification code (SIC) as High Country Manufacturing. After reviewing financial and non-financial information for each of the publiclytraded companies with a 1771 SIC code, I determined that there existed companies that were similar and comparable to High Country Manufacturing and could be used as publicly-traded guideline companies. Please review the appendix for the details of the comparatives.

## Price to Earnings

The theory of the price to earnings method is that the market determines the appropriate price to earnings multiple to apply to the subject company's weighted net income. The first step in applying this method is to determine the weighted net income.


When using this method, it is important to adjust the price to earnings ratios for the differences in size, product diversification, and financial strength between the privately-held subject company and publiclytraded guideline companies. After reviewing the publicly-traded guideline companies' price to earnings ratios and making the appropriate adjustments, the appropriate P/E ratios to apply to High Country Manufacturing's weighted net income as of December 31, 2005 are shown in the table below. The following table summarizes the calculation of the business entity using price to earnings of publicly traded companies. Note that premiums, discounts and excess/non-operating assets are discussed further in another section of this report

|  | MidMarket | Mercer | Pratts | Merged or Acquired Data | Comparable Private Data | Comparable Public Data |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Economic Base | 333,700 | 333,700 | 333,700 | 333,700 | 333,700 | 333,700 |
| P/E Multiple | 32.50 | 9.50 | 20.00 | 4.17 | 4.17 | 3.00 |
| Sub-Total | 10,845,251 | 3,170,150 | 6,674,000 | 1,390,417 | 1,390,417 | 1,001,100 |
| Less Minority Interest Discount | 31.3\% | 31.3\% | 31.3\% | 31.3\% | 31.3\% | 31.3\% |
| Sub-Total | 7,450,687 | 2,177,893 | 4,585,038 | 955,216 | 955,216 | 687,756 |
| Less Marketability Discount | 28.0\% | 28.0\% | 28.0\% | 28.0\% | 28.0\% | 28.0\% |
| Operating Value | 5,364,495 | 1,568,083 | 3,301,227 | 687,756 | 687,756 | 495,184 |
| Excess/Non-Operating Assets(adjusted for prem/disc) | 423,178 | 423,178 | 423,178 | 423,178 | 423,178 | 423,178 |
| Ongoing Value | 5,787,673 | 1,991,261 | 3,724,406 | 1,110,934 | 1,110,934 | 918,362 |
| Weight Applied | 1 | 1 | 1 | 1 | 1 | 1 |
| Indicated Value | 2,440,595 |  |  |  |  |  |
| Selected Value | 2,440,600 |  |  |  |  |  |

## Price to Seller's Discretionary Earnings

The theory of the price to seller's discretionary earnings method is that the market determines the appropriate price to seller's discretionary earnings multiple to apply to the subject company's weighted discretionary earnings. The first step in applying this method is to determine the weighted discretionary earnings.

## Use this schedule if Bizcomps is used



|  | $\begin{gathered} \text { Dec } \\ 2005 \\ \hline \end{gathered}$ | $\begin{gathered} \text { Dec } \\ 2004 \\ \hline \end{gathered}$ | $\begin{array}{r} \text { Dec } \\ 2003 \\ \hline \end{array}$ | $\begin{gathered} \text { Dec } \\ 2002 \\ \hline \end{gathered}$ | $\begin{array}{r} \text { Dec } \\ 2001 \\ \hline \end{array}$ | $\begin{array}{r} \text { Dec } \\ 2000 \\ \hline \end{array}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Historic Pre-Tax Income | 660,060 | 605,560 | 550,500 | 497,800 | 423,180 | 269,240 |
| Historic Interest Expense | 135,600 | 142,120 | 168,230 | 182,400 | 172,250 | 91,820 |
| Historic Officers' Compensation | 380,000 | 340,000 | 320,000 | 300,000 | 200,000 | 100,000 |
| Seller's Discretionary Cash Flow | 1,175,660 | 1,087,680 | 1,038,730 | 980,200 | 795,430 | 461,060 |
| Weight on Seller's Discretionary Cash Flow | 6 | 5 | 4 | 3 | 2 | 1 |
| Weighted Average IBA SDCF Base | 1,030,467 |  |  |  |  |  |
| Selected IBA SDCF Base | 1,030,500 |  |  |  |  |  |

When using this method, it is important to adjust the price to seller's discretionary earnings ratios for the differences in size, product diversification, and financial strength between the privately-held subject company and the guideline companies. After reviewing the guideline companies' price to seller's discretionary earnings ratios and making the appropriate adjustments, the appropriate P/SDE ratios to apply to High Country Manufacturing's weighted seller's discretionary earnings as of December 31, 2005 are shown in the table below. The following table summarizes the calculation of the business entity using price to earnings of traded companies. Note that premiums, discounts and excess/non-operating assets are discussed further in another section of this report

|  | BIZCOMPS | IBA <br> Data |
| :---: | :---: | :---: |
| Economic Base | 1,174,300 | 1,030,500 |
| P/E Multiple | 1.17 | 2.90 |
| Sub-Total | 1,370,893 | 2,988,450 |
| Adjustment | 1,393,740 | (1,722,240) |
| Sub-Total | 2,764,633 | 1,266,210 |
| Less Minority Interest Discount | 31.3\% | 31.3\% |
| Operating Value | 1,899,303 | 869,886 |
| Less Marketability Discount | 28.0\% | 28.0\% |
| Operating Value | 1,367,498 | 626,318 |
| Excess/Non-Operating Assets(adjusted for prem/disc) | 423,178 | 423,178 |
| Ongoing Value | 1,790,676 | 1,049,496 |
| Weight Applied | 1 | 1 |
| Indicated Value | 1,420,086 |  |
| Selected Value | 1,420,100 |  |

## Price to Revenues

The percentage of revenues method is used when the subject company's cost structure approximates that of the publicly-traded guideline companies. The first step in applying this method is to determine the weighted revenue.

|  | $\begin{gathered} \text { Dec } \\ 2005 \\ \hline \end{gathered}$ | $\begin{gathered} \text { Dec } \\ 2004 \\ \hline \end{gathered}$ | $\begin{gathered} \text { Dec } \\ 2003 \\ \hline \end{gathered}$ | $\begin{gathered} \text { Dec } \\ 2002 \\ \hline \end{gathered}$ | $\begin{gathered} \text { Dec } \\ 2001 \\ \hline \end{gathered}$ | $\begin{gathered} \text { Dec } \\ 2000 \\ \hline \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Historic Revenue | 4,129,660 | 3,756,320 | 3,378,960 | 3,169,490 | 2,417,895 | 1,681,280 |
| Weight on Historic Revenue | 6 | 5 | 4 | 3 | 2 | 1 |
| Weighted Average Historic Revenue | 3,480,997 |  |  |  |  |  |
| Selected Revenue Base | 3,481,000 |  |  |  |  |  |

When using this method, it is important to adjust the price to revenue ratios for the differences in size, product diversification, and financial strength between the privately-held subject company and publiclytraded guideline companies. After reviewing the publicly-traded guideline companies' price to revenues ratios and making the appropriate adjustments, the appropriate P/R ratios to apply to High Country Manufacturing's weighted revenue as of December 31, 2005 are shown in the table below. The following table summarizes the calculation of the business entity using price to revenues multiple of publicly traded companies. Note that premiums, discounts and excess/non-operating assets are discussed further in another section of this report

|  | MidMarket | BIZCOMPS | Mercer | Pratts | Merged or Acquired Data | Comparable Private Data | Comparable Public Data |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Revenue Base | 3,481,000 | 3,481,000 | 3,481,000 | 3,481,000 | 3,481,000 | 3,481,000 | 3,481,000 |
| P/R Multiple | 0.59 | 0.31 | 0.85 | 1.00 | 0.42 | 0.42 | 0.30 |
| Sub-Total | 2,065,777 | 1,090,084 | 2,958,850 | 3,481,000 | 1,450,417 | 1,450,417 | 1,049,655 |
| Adjustment |  | 777,760 |  |  |  |  |  |
| Sub-Total | 2,065,777 | 1,867,844 | 2,958,850 | 3,481,000 | 1,450,417 | 1,450,417 | 1,049,655 |
| Less Minority Interest Discount | 31.3\% | 31.3\% | 31.3\% | 31.3\% | 31.3\% | 31.3\% | 31.3\% |
| Sub-Total | 1,419,189 | 1,283,208 | 2,032,730 | 2,391,447 | 996,436 | 996,436 | 721,113 |
| Less Marketability Discount | 28.0\% | 28.0\% | 28.0\% | 28.0\% | 28.0\% | 28.0\% | 28.0\% |
| Operating Value | 1,021,816 | 923,910 | 1,463,566 | 1,721,842 | 717,434 | 717,434 | 519,202 |
| Excess/Non-Operating Assets(adjusted for prem/disc) | 423,178 | 423,178 | 423,178 | 423,178 | 423,178 | 423,178 | 423,178 |
| Ongoing Value | 1,444,994 | 1,347,088 | 1,886,744 | 2,145,020 | 1,140,612 | 1,140,612 | 942,380 |
| Weight Applied | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Indicated Value | 2,278,494 |  |  |  |  |  |  |
| Selected Value | 2,278,500 |  |  |  |  |  |  |

## Price to Asset Value

The multiple of the asset value method is used when the subject company's asset structure approximates that of the publicly-traded guideline companies. The subject business's value is derived by multiplying its asset value by an asset value multiplier that is derived from observing the price to asset value ratios of publicly-traded guideline companies. The first step in applying this method is to determine the weighted assets.


When using this method, it is important to adjust the price to asset ratios for the differences in size, product diversification, and financial strength between the privately-held subject company and publiclytraded guideline companies. After reviewing the publicly-traded guideline companies' price to assets ratios and making the appropriate adjustments, the appropriate P/A ratios to apply to High Country

Manufacturing's weighted assets as of December 31, 2005 are shown in the table below. The following table summarizes the calculation of the business entity using price to revenues multiple of publicly traded companies. Note that premiums, discounts and excess/non-operating assets are discussed further in another section of this report.

|  | MidMarket | Merged or Acquired Data | Comparable Private Data | Comparable Public Data |
| :---: | :---: | :---: | :---: | :---: |
| Asset Base | 3,116,000 | 3,116,000 | 3,116,000 | 3,116,000 |
| P/A Multiple | 1.13 | 2.50 | 2.50 | 0.69 |
| Sub-Total | 3,505,992 | 7,790,000 | 7,790,000 | 2,157,231 |
| Less Minority Interest Discount | 31.3\% | 31.3\% | 31.3\% | 31.3\% |
| Sub-Total | 2,408,617 | 5,351,730 | 5,351,730 | 1,482,018 |
| Less Marketability Discount | 28.0\% | 28.0\% | 28.0\% | 28.0\% |
| Operating Value | 1,734,204 | 3,853,246 | 3,853,246 | 1,067,053 |
| Excess/Non-Operating Assets(adjusted for prem/disc) | 423,178 | 423,178 | 423,178 | 423,178 |
| Ongoing Value | 2,157,382 | 4,276,424 | 4,276,424 | 1,490,231 |
| Weight Applied | 1 | -1 | 1 |  |
| Indicated Value | 3,050,115 |  |  |  |
| Selected Value | 3,050,100 |  |  |  |

## Price to Book Value

The multiple of book value method is used primarily as a secondary valuation methodology. The subject business's value is derived by multiplying its unadjusted book value by a book value multiplier that is derived from observing the price to book value ratios of publicly-traded guideline companies. The first step in applying this method is to determine the weighted book value.

## Historic Book Value

Weight on Book Value
Weighted Average Book Value Base
Selected Book Value Base


When using this method, it is important to adjust the price to book ratios for the differences in size, product diversification, and financial strength between the privately-held subject company and publiclytraded guideline companies. After reviewing the publicly-traded guideline companies' price to assets ratios and making the appropriate adjustments, the appropriate $\mathrm{P} / \mathrm{B}$ ratios to apply to High Country Manufacturing's weighted assets as of December 31, 2005 are shown in the table below. The following table summarizes the calculation of the business entity using price to revenues multiple of publicly traded companies. Note that premiums, discounts and excess/non-operating assets are discussed further in another section of this report.

|  | MidMarket | Merged or Acquired Data | Comparable Private Data | Comparable Public Data |
| :---: | :---: | :---: | :---: | :---: |
| Book Value Base | 1,071,400 | 1,071,400 | 1,071,400 | 1,071,400 |
| P/B Multiple | 3.02 | 5.00 | 5.00 | 1.25 |
| Sub-Total | 3,239,930 | 5,357,000 | 5,357,000 | 1,337,943 |
| Less Minority Interest Discount | 31.3\% | 31.3\% | 31.3\% | 31.3\% |
| Sub-Total | 2,225,832 | 3,680,259 | 3,680,259 | 919,167 |
| Less Marketability Discount | 28.0\% | 28.0\% | 28.0\% | 28.0\% |
| Operating Value | 1,602,599 | 2,649,786 | 2,649,786 | 661,800 |
| Excess/Non-Operating Assets(adjusted for prem/disc) | 423,178 | 423,178 | 423,178 | 423,178 |
| Ongoing Value | 2,025,777 | 3,072,965 | 3,072,965 | 1,084,979 |
| Weight Applied | 1 | 1 | 1 | 1 |
| Indicated Value | 2,314,171 |  |  |  |
| Selected Value | 2,314,200 |  |  |  |

## Price to Cash Flow

The price to cash flow method is used when the subject company's cash flows approximates that of the publicly-traded guideline companies. The first step in applying this method is to determine the weighted cash flows.


When using this method, it is important to adjust the price to cash flow ratios for the differences in size, product diversification, and financial strength between the privately-held subject company and publiclytraded guideline companies. After reviewing the publicly-traded guideline companies' price to cash flow ratios and making the appropriate adjustments, the appropriate P/C ratios to apply to High Country Manufacturing's weighted cash flows as of December 31, 2005 are shown in the table below. The table summarizes the calculation of the business entity using price to revenues multiple of publicly traded companies. Note that premiums, discounts and excess/non-operating assets are discussed further in another section of this report.

|  | MidMarket | Pratts | Merged or Acquired Data | Comparable Private Data |
| :---: | :---: | :---: | :---: | :---: |
| Cash Flow Base | 705,700 | 705,700 | 705,700 | 705,700 |
| P/C Multiple | 5.00 | 5.00 | 3.93 | 3.93 |
| Sub-Total | 3,528,500 | 3,528,500 | 2,770,526 | 2,770,526 |
| Less Minority Interest Discount | 31.3\% | 31.3\% | 31.3\% | 31.3\% |
| Sub-Total | 2,424,080 | 2,424,080 | 1,903,351 | 1,903,351 |
| Less Marketability Discount | 28.0\% | 28.0\% | 28.0\% | 28.0\% |
| Operating Value | 1,745,337 | 1,745,337 | 1,370,413 | 1,370,413 |
| Excess/Non-Operating Assets(adjusted for prem/disc) | 423,178 | 423,178 | 423,178 | 423,178 |
| Ongoing Value | 2,168,516 | 2,168,516 | 1,793,591 | 1,793,591 |
| Weight Applied | 1 | 1 | 1 | 1 |
| Indicated Value | 1,981,053 |  |  |  |
| Selected Value | 1,981,100 |  |  |  |

## Price to Earnings Before Taxes (EBT)

The price to EBT method is used when the subject company's EBT approximates that of the publiclytraded guideline companies. The first step in applying this method is to determine the weighted EBT.


When using this method, it is important to adjust the price to EBT ratios for the differences in size, product diversification, and financial strength between the privately-held subject company and publiclytraded guideline companies. After reviewing the publicly-traded guideline companies' price to EBT ratios and making the appropriate adjustments, the appropriate P/EBT ratios to apply to High Country Manufacturing's weighted EBT as of December 31, 2005 are shown in the table below. The table summarizes the calculation of the business entity using price to revenues multiple of publicly traded companies. Note that premiums, discounts and excess/non-operating assets are discussed further in another section of this report.

|  | Pratts |
| :---: | :---: |
| EBT Base | 561,900 |
| P/EBT | 9.00 |
| Sub-Total | 5,057,100 |
| Less Minority Interest Discount | 31.3\% |
| Sub-Total | 3,474,228 |
| Less Marketability Discount | 28.0\% |
| Operating Value | 2,501,444 |
| Excess/Non-Operating Assets(adjusted for prem/disc) | 423,178 |
| Indicated Value | 2,924,622 |
| Selected Value | 2,924,600 |

## Price to Earnings Before Interest And Taxes (EBIT)

The price to EBIT method is used when the subject company's EBIT approximates that of the publiclytraded guideline companies. The first step in applying this method is to determine the weighted EBIT.


When using this method, it is important to adjust the price to EBIT ratios for the differences in size, product diversification, and financial strength between the privately-held subject company and publiclytraded guideline companies. After reviewing the publicly-traded guideline companies' price to EBIT ratios and making the appropriate adjustments, the appropriate P/EBIT ratios to apply to High Country Manufacturing's weighted EBIT as of December 31, 2005 are shown in the table below. The table summarizes the calculation of the business entity using price to revenues multiple of publicly traded companies. Note that premiums, discounts and excess/non-operating assets are discussed further in another section of this report.

|  | Mercer | Comparable Public Data |
| :---: | :---: | :---: |
| EBIT Base | 713,300 | 713,300 |
| P/EBIT Multiple | 5.40 | 2.01 |
| Sub-Total | 3,851,820 | 1,436,174 |
| Less Minority Interest Discount | 31.3\% | 31.3\% |
| Sub-Total | 2,646,200 | 986,652 |
| Less Marketability Discount | 28.0\% | 28.0\% |
| Operating Value | 1,905,264 | 710,389 |
| Excess/Non-Operating Assets(adjusted for prem/disc) | 423,178 | 423,178 |
| Ongoing Value | 2,328,443 | 1,133,568 |
| Weight Applied | 1 | 1 |
| Indicated Value | 1,731,005 |  |
| Selected Value | 1,731,000 |  |

## Price to Earnings Before Interest, Taxes And Depreciation (EBITDA)

The price to EBITDA method is used when the subject company's EBITDA approximates that of the publicly-traded guideline companies. The first step in applying this method is to determine the weighted EBITDA.


When using this method, it is important to adjust the price to EBITDA ratios for the differences in size, product diversification, and financial strength between the privately-held subject company and publiclytraded guideline companies. After reviewing the publicly-traded guideline companies' price to EBITDA ratios and making the appropriate adjustments, the appropriate P/EBITDA ratios to apply to High Country Manufacturing's weighted EBITDA as of December 31, 2005 are shown in the table below. The table summarizes the calculation of the business entity using price to revenues multiple of publicly traded companies. Note that premiums, discounts and excess/non-operating assets are discussed further in another section of this report.

|  | Mercer | Comparable Public Data |
| :---: | :---: | :---: |
| EBITDA Base | 705,700 | 705,700 |
| P/EBITDA Multiple | 6.10 | 1.89 |
| Sub-Total | 4,304,770 | 1,331,509 |
| Less Minority Interest Discount | 31.3\% | 31.3\% |
| Sub-Total | 2,957,377 | 914,747 |
| Less Marketability Discount | 28.0\% | 28.0\% |
| Operating Value | 2,129,311 | 658,618 |
| Excess/Non-Operating Assets(adjusted for prem/disc) | 423,178 | 423,178 |
| Ongoing Value | 2,552,490 | 1,081,796 |
| Weight Applied | , 1 | ,081, |
| Indicated Value | 1,817,143 |  |
| Selected Value | 1,817,100 |  |

## Market Approach - Industry Pricing Ratio Methods

## Conceptual Basis

Market based valuation methods can use multiples that are extrapolated from multiples derived from similar industries to the subject company to derive the fair market value for a closely business. The theory behind this method is that the market for the industry determines what price is an acceptable return for the earnings stream, gross revenue, equity or assets within a specific industry.

## Identification of Industry Data

The source and credibility of the data should be discussed in the paragraph below.
The industry pricing ratio method uses valuation ratios derived using industry data from sources that represent the industry similar to the subject company. The source of data I used was *****. When using valuation ratios derived from the public marketplace, the comparability may be limited by differences in location, the nature of the guideline company sale, and size of the subject company.

## Price to Earnings

The theory of the price to earnings method is that the market determines the appropriate price to earnings multiple to apply to the subject company's weighted net income. The first step in applying this method is to determine the subject company's weighted net income.

Adjusted EBT
Weight on EBT
Weighted Average Pre-Tax Income
Less: Estimated State Income Taxes
Income before Federal Taxes
Less: Federal Taxes (See Below)
Calculated Net Income Base
Selected Net Income Base


When using this method, it is important to adjust the price to earnings ratios for the differences in size, product diversification, and financial strength between the privately-held subject company and publiclytraded guideline companies. After reviewing the publicly-traded guideline companies' price to earnings ratios and making the appropriate adjustments, the appropriate P/E ratios to apply to High Country Manufacturing's weighted net income as of December 31, 2005 are shown in the table below. The following table summarizes the calculation of the business entity using price to earnings of publicly traded companies. Note that premiums, discounts and excess/non-operating assets are discussed further in another section of this report.

|  | Mergerstat | CCQ | Industry Data |
| :---: | :---: | :---: | :---: |
| Net Income Base | 314,800 | 314,800 | 314,800 |
| P/E Multiple | 14.08 | 5.00 | 14.50 |
| Sub-Total | 4,432,152 | 1,574,000 | 4,564,600 |
| Less Minority Interest Discount | 31.3\% | 31.3\% | 31.3\% |
| Sub-Total | 3,044,888 | 1,081,338 | 3,135,880 |
| Less Marketability Discount | 28.0\% | 28.0\% | 28.0\% |
| Operating Value | 2,192,320 | 778,563 | 2,257,834 |
| Excess/Non-Operating Assets(adjusted for prem/disc) | 423,178 | 423,178 | 423,178 |
| Ongoing Value | 2,615,498 | 1,201,742 | 2,681,012 |
| Weight Applied | 1 | 1 | 1 |
| Indicated Value | 2,166,084 |  |  |
| Selected Value | 2,166,100 |  |  |

## Price to Revenues

The theory of the price to revenues method is that the market determines the appropriate price to revenues multiple to apply to the subject company's weighted revenues. The first step in applying this method is to determine the weighted revenue.


When using this method, it is important to adjust the price to revenues ratios for the differences in size,
product diversification, and financial strength between the privately-held subject company and publiclytraded guideline companies. After reviewing the publicly-traded guideline companies' price to revenues ratios and making the appropriate adjustments, the appropriate P/R ratios to apply to High Country Manufacturing's weighted revenues as of December 31, 2005 are shown in the table below. The following table summarizes the calculation of the business entity using price to revenues of publicly traded companies. Note that premiums, discounts and excess/non-operating assets are discussed further in another section of this report.

|  | CCQ | Industry Data |
| :---: | :---: | :---: |
| Revenue Base | 3,481,000 | 3,481,000 |
| P/R Multiple | 1.35 | 1.20 |
| Sub-Total | 4,699,350 | 4,177,200 |
| Less Minority Interest Discount | 31.3\% | 31.3\% |
| Sub-Total | 3,228,453 | 2,869,736 |
| Less Marketability Discount | 28.0\% | 28.0\% |
| Operating Value | 2,324,486 | 2,066,210 |
| Excess/Non-Operating Assets(adjusted for prem/disc) | 423,178 | 423,178 |
| Ongoing Value | 2,747,665 | 2,489,388 |
| Weight Applied | 1 | 1 |
| Indicated Value | 2,618,527 |  |
| Selected Value | 2,618,500 |  |

## Price to Book Value

The multiple of book value method is used primarily as a secondary valuation methodology. The subject business's value is derived by multiplying its unadjusted book value by a book value multiplier that is derived from observing the price to book value ratios of publicly-traded guideline companies. The following exhibit summarizes the calculation of the business entity using price to earnings of publicly traded companies.


When using this method, it is important to adjust the price to book ratios for the differences in size, product diversification, and financial strength between the privately-held subject company and publiclytraded guideline companies. After reviewing the publicly-traded guideline companies' price to assets ratios and making the appropriate adjustments, the appropriate $\mathrm{P} / \mathrm{B}$ ratios to apply to High Country Manufacturing's weighted assets as of December 31, 2005 are shown in the table below. The following table summarizes the calculation of the business entity using price to revenues multiple of publicly traded companies. Note that premiums, discounts and excess/non-operating assets are discussed further in another section of this report. Note that premiums, discounts and excess/non-operating assets are
discussed further in another section of this report.

|  | CCQ | Industry Data |
| :---: | :---: | :---: |
| Book Value Base | 1,071,400 | 1,071,400 |
| P/B Multiple | 2.50 | 2.70 |
| Sub-Total | 2,678,500 | 2,892,780 |
| Less Minority Interest Discount | 31.3\% | 31.3\% |
| Sub-Total | 1,840,130 | 1,987,340 |
| Less Marketability Discount | 28.0\% | 28.0\% |
| Operating Value | 1,324,893 | 1,430,885 |
| Excess/Non-Operating Assets(adjusted for prem/disc) | 423,178 | 423,178 |
| Ongoing Value | 1,748,072 | 1,854,063 |
| Weight Applied | 1 | 1 |
| Indicated Value | 1,801,067 |  |
| Selected Value | 1,801,100 |  |

## Price to Cash Flow

The price to cash flow method is used when the subject company's cash flows approximates that of the publicly-traded guideline companies. The first step in applying this method is to determine the weighted cash flows.

## Historic Net Income <br> Historic Depreciation/Amortization Gross Cash Flow

Weight on Gross Cash Flow
Weighted Gross Cash Flow Base
Selected Gross Cash Flow Base

| Dec | Dec | Dec | Dec | Dec | Dec |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 2005 | 2004 | 2003 | 2002 | 2001 | 2000 |
| 660,060 | 605,560 | 550,500 | 497,800 | 423,180 | 269,240 |
| 151,000 | 151,000 | 151,000 | 151,000 | 101,000 | 101,000 |
| 811,060 | 756,560 | 701,500 | 648,800 | 524,180 | 370,240 |



When using this method, it is important to adjust the price to cash flow ratios for the differences in size, product diversification, and financial strength between the privately-held subject company and publiclytraded guideline companies. After reviewing the publicly-traded guideline companies' price to cash flow ratios and making the appropriate adjustments, the appropriate P/C ratios to apply to High Country Manufacturing's weighted cash flows as of December 31, 2005 are shown in the table below. The table summarizes the calculation of the business entity using price to revenues multiple of publicly traded companies. Note that premiums, discounts and excess/non-operating assets are discussed further in another section of this report.

|  | Industry Data |
| :---: | :---: |
| Cash Flow Base | 705,700 |
| P/C Multiple | 6.00 |
| Sub-Total | 4,234,200 |
| Less Minority Interest Discount | 31.3\% |
| Sub-Total | 2,908,895 |
| Less Marketability Discount | 28.0\% |
| Operating Value | 2,094,405 |
| Excess/Non-Operating Assets(adjusted for prem/disc) | 423,178 |
| Ongoing Value | 2,517,583 |
| Indicated Value | 2,517,583 |
| Selected Value | 2,517,600 |

## Transactions In The Company's Stock

High Country Manufacturing has had previous transactions involving the Company's stock. Based on the price paid per share of stock and the number of shares of stock outstanding at the time of the transactions, the implied value of the Company can estimated. The implied value based on previous transactions is calculated in following schedule. Note that premiums, discounts and excess/non-operating assets are discussed further in another section of this report.

| Transaction Number | $\# 1$ |
| :--- | ---: |
|  |  |
| Date of Transaction | $1 / 1 / 2004$ |
|  |  |
| Transaction Price Per Share | 400.00 |
| Total Shares Outstanding | 10,000 |
| Implied Value | $4,000,000$ |
| Less Minority Interest Discount | $31.3 \%$ |
| Sub Total | $2,748,000$ |
| Less Marketability Discount | $28.0 \%$ |
| Indicated Value | $\underline{1,978,560}$ |
| Selected | $\underline{1,979,000}$ |

## Summary of Valuation Methods

In my evaluation of the fair market value of a $65 \%$ interest in High Country Manufacturing as of December 31, 2005, I calculated and analyzed a variety of valuation methods. The following exhibit lists the various valuation methodologies and the weighting I assigned to each method.

| Book Value Method | 1,390,020 | 1 | 5\% |
| :---: | :---: | :---: | :---: |
| Going Concern Value | 620,200 | 1 | 5\% |
| Liquidation Value | 80,200 | 1 | 5\% |
| COE Indicated Value | 749,600 | 1 | 5\% |
| DCF Indicated Value | 771,300 | 1 | 5\% |
| COEE Indicated Value | 1,927,300 | 1 | 5\% |
| Market Data P/E Indicated Value | 2,440,600 | 1 | 5\% |
| Market Data P/SDE Indicated Value | 1,420,100 | 1 | 5\% |
| Market Data P/R Indicated Value | 2,278,500 | 1 | 5\% |
| Market Data P/A Indicated Value | 3,050,100 | 1 | 5\% |
| Market Data P/B Indicated Value | 2,314,200 | 1 | 5\% |
| Market Data P/C Indicated Value | 1,981,100 | 1 | 5\% |
| Market Data P/EBT Indicated Value | 2,924,600 | 1 | 5\% |
| Market Data P/EBIT Indicated Value | 1,731,000 | 1 | 5\% |
| Market Data P/EBITDA Indicated Value | 1,817,100 | 1 | 5\% |
| Industry P/E Indicated Value | 2,166,100 | 1 | 5\% |
| Industry P/R Indicated Value | 2,618,500 | 1 | 5\% |
| Industry P/B Indicated Value | 1,801,100 | 1 | 5\% |
| Industry P/C Indicated Value | 2,517,600 | 1 | 5\% |
| Subject Company Transactions | 1,979,000 | 1 | 5\% |
| Calculated Weighted Average Conclusion of Value | 1,828,911 | 20 | 100\% |
| Selected Conclusion of Value | 1,828,900 |  |  |

## Discounts, Premiums and Excess or Non-Operating Assets

The following paragraphs may or may not apply to this engagement. Deletion of some items will be required. Add to the text as necessary.

## Minority Interest Discount

A minority interest discount is a reduction in the value of common stock holdings due to a lack of control prerogatives such as declaring dividends, liquidating the company, going public, issuing or buying stock, directing management, setting management's salaries, etc. In my opinion, a minority interest discount of $31.3 \%$ should be applied.

## Control Premium

A control premium is an addition to the value of a block of stock due to the ability of the shareholder to make corporate decisions such as declaring dividends, liquidating the business, going public, issuing or buying stock, directing management, etc. In my opinion, a control premium of $45.6 \%$ should be applied.

## Adjustment for Lack of Marketability

Marketability discounts are calculated separately from minority interest discounts and control premiums. Marketability discounts sometimes are needed because several approaches to valuation are calculated using comparable sales or discount rates that are based on marketable business interests.
In actual application, the control premium or minority interest discount usually is applied before the marketability discount to determine the fair market value of the business interest on a freely traded basis. Once the marketability discount has been applied, the result is the fair market value of the closely-held business interest.

Subtracting a discount for lack of marketability is the final adjustment normally required when valuing a block of closely-held stock. Because many valuation approaches rely on data generated from securities from the public marketplace, the results are for freely-traded stock. Because closely-held stock is not as freely traded as publicly traded stock, investors will require a discount to compensate them for the closely-held stock's relative illiquidity.

The quantification of the marketability discount usually involves comparing the stock prices of common stocks that are identical except for the fact that one group of stock is classified as restricted stock. Over the past twenty-five years, numerous studies have indicated that the discount for lack of marketability in the public marketplace is approximately 30 percent to 40 percent. The following table lists the cited studies regarding discounts for the lack of marketability.

| Data Source | Study Name | Discount Percentage |
| :---: | :---: | :---: |
| Survey 1 |  | 28.0\% |
| Survey 2 |  | 36.0\% |
| Survey 3 |  | 19.0\% |


| Average | $27.7 \%$ |
| :--- | ---: |
| Median | $28.0 \%$ |
| Selected Median | $28.0 \%$ |

Because each business has its own unique marketability issues, adjustments to this base rate are usually necessary. In order to help quantify the various factors affecting the marketability of a closely-held
business, the base marketability discount rate should be increased or decreased based on the following factors:

1. Restrictions on Transfers.
2. Amount and consistency of dividends pay out
3. Prospects of public offering or sale of company.
4. The existence of a put option.
5. Existence of a limited market that may be interested in purchasing shares.
6. The size of the block of stock.
7. The existence of Buy/Sell agreements.

After considering all of the above factors, it is my opinion that a $28.0 \%$ discount for lack of marketability is appropriate to apply to the common stock of High Country Manufacturing as of December 31, 2005.

## Excess or Non-Operating Assets

Excess or non-operating assets are resources held by company that are not required to generate the earnings or cash flows. There are numerous reasons why these assets are maintained by a company, but in this specific case the reasons are ${ }^{* * * * * \text {. I have determined that the excess or non-operating }}$ assets total 615,980 for this company. In addition, I have/have not applied premiums and discounts because ${ }^{* * * *}$.

The following schedule lists excess and non-operating assets.

|  | Adjusted Business | RMA <br> Industry | Variance | Excess Adjustment | Selected |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Cash \& Equivalent | 9.22\% | 9.00\% | 0.22\% | 7,958 |  |
| Accounts Receivable | 5.37\% | 43.10\% | 0.00\% | - |  |
| Inventory | 6.90\% | 4.60\% | 2.30\% | 79,082 |  |
| Other Current | 0.82\% | 8.10\% | 0.00\% | - |  |
| Net Fixed Assets | 76.29\% | 23.80\% | 52.49\% | 2,257,356 | 600,000 |
| Intangibles (Net) | 0.24\% | 0.90\% | 0.00\% | - |  |
| Other Non-Current | 0.53\% | 10.50\% | 0.00\% | - |  |
|  |  | Total Excess Assets Adjusted Non-Operating Assets (Net) <br> Total Excess / Non-Operating Assets |  |  | 600,000 |
|  |  |  |  |  | 15,980 |
|  |  |  |  |  | 615,980 |

## Value Conclusion

Based on my analysis of High Country Manufacturing and all of the factors affecting its value, it is my opinion that the fair market value of a $65 \%$ interest in the business as of December 31, 2005 is $\$ 1,188,800$.

## Certification of Appraiser

I certify that, to the best of my knowledge and belief:

1. The statements of fact contained in this report are true and correct.
2. The reported analyses, opinions, and conclusions are limited only by the reported assumptions and limiting conditions and are my personal, impartial, and unbiased professional analyses, opinions, and conclusions.
3. I have no (or the specified) present or prospective interest in the property that is the subject of this report, and I have no (or the specified) personal interest with respect to the parties involved.
4. I have no bias with respect to the property that is the subject of this report or to the parties involved with this assignment.
5. My engagement in this assignment was not contingent upon developing or reporting predetermined results.
6. My compensation for completing this assignment is not contingent upon the development or reporting of a predetermined value or direction in value that favors the cause of the client, the amount of the value opinion, the attainment of a stipulated result, or the occurrence of a subsequent event directly related to the intended use of this appraisal.
7. My analyses, opinions, and conclusions were developed, and this report has been prepared, in conformity with the Uniform Standards of Professional Appraisal Practice.
8. No one provided significant business appraisal assistance to the person signing this certification. (If there are exceptions, the name of each individual providing significant business appraisal assistance must be stated.)

## Appendix A: <br> Appraiser's Qualifications

This Appendix is for the appraiser's resume, credentials, awards or curriculum vitae.

## Appendix B: Bibliography

This Appendix is for the sources used in completing the report.

## Appendix C: <br> Synopsis of Guideline Companies

This Appendix is to list the comparable companies that were used in the market method.

