## Sample Project 1

J.B. Hunt Transport Services, Inc.

## Executive Summary

J.B. Hunt Transport Services, Inc. is a holding company that, together with its wholly-owned subsidiaries and associated companies, provides a range of transportation services to customers throughout the continental U.S., Canada and Mexico. The company was incorporated in Arkansas on August 10, 1961 and enjoyed niche market share since then. JB Hunt's major competitors are Landstar System, Inc., Ryder System, Inc., and Knight Transportation, Inc. On an average JB Hunt has favorable financial numbers than the industry average or some of its competitors. This paper will focus on analyzing JB Hunt’s financial positioning and its ability to take on the new project to add value to shareholders and the company itself. The new project in review will require initial investment of $\$ 192$ million and is expected to generate cash flow for 8 years. After performing capital budgeting analysis by discounting future cash flow with company's weighted average cost of capital at $10.05 \%$, it was determined that net present value (NPV) of the new project will be $\$ 173.69$ million and is expected to pay for itself in 5.19 years according to discounted payback calculations. Internal rate of return (IRR) of $24.7 \%$ is way more than its WACC. Therefore it is suggested that JB Hunt should take on the project which have high probability of adding values to the stakeholders.

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### 1.0 Financial Ratio Analysis

JB Hunt is a public limited company with various stakeholders. Before taking on any project the management must conduct a complete financial analysis of the company. It also needs compare its financial health as compared to others in the industry and industry as a whole. The management needs to look at primary ratios such as liquidity ratio, asset management ratio, debt management ratios, profitability ratios and market value ratio. Also to remove the unusual activity effect they need to perform trend analysis for last five years. Table 1.1, below depicts JB hunt's all relevant ratios for past five years and also compare those ratios with competitors Ryders and Landstar. In addition it also shows peer average ratios from the companies in the same industry.

Table 1.1 - Key Financial Ratios

| Ratios | $\mathbf{1 2 / 3 1 / 2 0 0 8}$ | $\mathbf{1 2 / 3 1 / 2 0 0 7}$ | $\mathbf{1 2 / 3 1 / 2 0 0 6}$ | $\mathbf{1 2 / 3 1 / 2 0 0 5}$ | $\mathbf{1 2 / 3 1 / 2 0 0 4}$ | Ryders | LandStar | Peer <br> Avg. |
| :--- | :---: | ---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Liquidity Ratios |  |  |  |  |  |  |  |  |
| Quick Ratio | 0.69 | 0.66 | 0.74 | 1.27 | 1.02 | 0.68 | 1.79 | 0.99 |
| Current Ratio | 0.97 | 0.93 | 0.98 | 1.72 | 1.51 | 0.86 | 2.01 | 1.27 |


| Asset Management Ratios |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Inventory Turnover | 221.14 | 237.68 | 265.61 | 300.33 | 303.14 | 115.5 | - | 185.17 |
| Days Sales Outstanding (DSO) | 27.45 | 34.54 | 37.98 | 40.08 | 37.88 | 32.94 | 43.51 |  |
| Fixed Asset Turnover Ratio | 2.69 | 2.57 | 2.59 | 2.97 | 2.75 | 1.21 | 21.28 |  |
| Total Asset Turnover | 2.04 | 1.92 | 2.01 | 2.06 | 1.96 | 0.91 | 4.11 | 1.75 |
| Debt Management |  |  |  |  |  |  |  |  |
| Debt Ratio | 71\% | 82\% | 57\% | 47\% | 42\% | 80\% | 62\% |  |
| Times-Interest-Earned (TIE) Ratio | 10.14 | 8.47 | 23.09 | 52.66 | 42.14 | 2.23 | 25.42 |  |
| LT Debt to Equity | 0.97 | 1.98 | 0.24 | 0.15 | - | 1.84 | 0.44 | 1.83 |
| Total Debt to Equity | 1.2 | 2.66 | 0.52 | 0.15 | - | 2.13 | 0.54 | 1.81 |


| Profitability Ratios |  |  |  |  |  |
| :--- | ---: | ---: | ---: | ---: | ---: |
| Profit Margin on Sales | $5.38 \%$ | $6.11 \%$ | $6.61 \%$ | $6.63 \%$ | $5.25 \%$ |
| Basic Earning Power (BEP) Ratio | $19.98 \%$ | $19.80 \%$ | $21.05 \%$ | $22.20 \%$ | $20.80 \%$ |


| Return on Total Asset (ROA, net) | 10.94 | 11.73 | 13.25 | 13.64 | 10.28 | 2.94 | 17.21 | 4.65 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Return on Common Equity (ROE) | 45.87 | 38.65 | 27.9 | 24.71 | 18.65 | 12.33 | 51.27 | 17.89 |
| Return on Investment (ROI, Operating) | 29.55 | 30.57 | 35.54 | 38.17 | 35.65 | 7.87 | 50.97 | 14.95 |
| EBITDA Margin \% | 14.98 | 16.41 | 16.62 | 16.06 | 16.42 | 21.77 | 7.85 | 12.46 |
| Market Value Ratio |  |  |  |  |  |  |  |  |
| Price/Earnings (P/E) Ratio | 16.51 | 16.05 | 15.52 | 17.68 | 6.14 | 10.84 | 17.78 |  |
| Price/Cash Flow Ratio | 8.22 | 8.18 | 8.46 | 9.90 | 3.03 | 2.08 | 14.96 |  |
| Market/Book Ratio | 6.26 | 9.97 | 4.49 | 4.49 | 1.04 | 1.61 | 7.79 | 2.50 |
| Per Share |  |  |  |  |  |  |  |  |
| Cash Flow per Share | 4.02 | 3.41 | 2.85 | 2.11 | 2.43 | 22.28 | 2.29 |  |
| Book Value per Share | 4.2 | 2.76 | 5.26 | 5.31 | 5.29 | 24.17 | 4.9 |  |
| JBHT has favorable ratio |  |  |  |  |  |  |  |  |
| JBHT has unfavorable ratio |  |  |  |  |  |  |  |  |
| JBHT is at par with others |  |  |  |  |  |  |  |  |

### 1.1 Liquidity Ratios

Liquidity ratios describe how quickly and asset may be turned into cash or how much quick asset is available to support current liabilities. There are two ratios that are used to measure liquidity; the current ratio and the quick ratio. The greater the current and quick ratio, the more liquid assets a firm has to satisfy its short term debt obligations. Ideally, creditors would like to see higher current and quick ratios. Higher liquidity ratios indicate that there are more assets available to settle creditors' claims in the event the company is unable to fulfill its short term obligations. For JB Hunt (JBHT henceforth), these ratios are below the industry average ratios. In 2008 their quick ratio is only 0.69 as compared to Landstar's 1.79 and industry 0.99 . Its current asset ratio of 0.97 is also lower than industry 1.27 and Landstar’s 2.01. However, JBHT still have favorable ratios as compared to Ryders.

JBHT's cash management strategy is to keep low cash in hand and they also enjoy higher trade credit terms. JB Hunt may want to revise their expensive trade credit discounts and compare with other source of loans. Also they may want to increase the cash availability to take bargain opportunities in future. The trend, as shown in figure 1.1, shows that JB Hunt's ratios started deteriorating since 2005, this is when the company's cash balanced dropped from 23 million to 7 million (see Appendix for detailed financial statements).

Figure 1.1 Liquidity Ratios


### 1.2 Asset management Ratios

Asset management ratios measures efficiency of a firm by calculating inventory turnover, days sales outstanding, fixed asset turnover and total asset turnover ratios. JBHT has outperformed in asset management ratios as compared to peers and competitors. As depicted in table 1.1 and figure 1.2 its inventory turnover is 221.14 , DSO 27.45 , fixed asset turnover 2.69 and total asset turnover was 2.04. The five year trend shows that JBHT has been doing excellent job in reducing its inventory turnover and DSO ratios without affecting their sales.

Figure 1.2 Asset Management Ratios


### 1.3 Debt Management Ratios

The debt management ratios measure the extent to which a firm is financed by debt. It shows the level of leverage a firm uses in their capital structure. JBHT's debt ratio of $71 \%$ in 2008 is much better than Ryder's $80 \%$ but lower than Landstar's 62\%. The trend analysis as per figure 1.3 shows that JBHT has been adding debt in recent years, especially in 2007 to finance its investments. It has favorable long-term debt to equity ratio of 0.97 as compared to industry ratio of 1.83 and also has favorable total debt to equity ratio of 1.2 as compared to 1.81 industry average. JBHT's long term debt spike in 2007 led to lower TIE ratio on 2007. However, the TIE ratio of 10.14 is still favorable than its competitor Ryder but lower than Landstar.

Figure 1.3 Debt Management: TIE


Figure 1.4 Debt Management: TIE


Figure 1.5 Debt Management: Debt to


### 1.4 Profitability Ratios

Profitability ratios show how much profit is earned per dollar of sales or invested.
JBHT's profit margin on sales was $5.38 \%$ in 2008 as compared to Ryder's $3.22 \%$ and Landstar's $4.20 \%$. Company has favorable ratio due to its niche position in market. The trend analysis shows a constant ratio since 2004. Basic earnings power ratio in 2008 was $19.98 \%$. JBHT also have a favorable ROA 10.94, ROE 45.87 and ROI 29.55 as compared to industry average of 4.65, 17.89, \&14.95 respectively. As depicted in figure 1.7, company’s Return on equity has increased since 2007 due to shift in capital structure from equity to debt. Earlier we saw that debt ratio was increased in 2007 this was reflected in higher ROE.

Figure 1.6 Profitability Ratios: Profit Margin and


Figure 1.7 Profitability Ratios: ROA, ROE and ROI


### 1.5 Market Value Ratios

As shows in figure 1.8, JBHT's stock price to earnings ratio has been constant since 2005 after gaining $300 \%$ in 2004. The constant P/E ratio is also reflected in constant price to cash flow ratio. In 2008 company has favorable P/E ratio of 16.51 as compared to Ryders but unfavorable as compared to Landstar.

Figure 1.8 Market Value


Overall JBHT has favorable ratios as compared to industry average and some if it's primary competitor. However, it may be lagging in few areas as compared to leader in the group Landstar, Inc. Company’s higher efficiency ratios led them to make higher profits on dollar invested however, they need to revisit the working capital ratios to increase cash balances.

### 2.0 Capital Structure Estimation

The capital structure of a firm is the balance of debt and equity used to finance the firm's operating activities. Most importantly, capital structure affects the firm's cost of capital. If the firm seeks funding for its operations and does not have enough cash on hand to finance the activity, the firm must seek external financing. The cost of this financing is determined by how risky lenders and investors perceive the loan/investment to be. The capital structure of the firm influences this perceived risk. JBHT's market value capital structure composed of $13 \%$ debt and 87\% equity. They did not issue preferred stock. As depicted in table 2.1 the total market cap of debt and equity composed of 515 million and 3,311 million respectively.

Table 2.1 Capital Structure Estimation

| Capital Structure Estimation |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Estimation of Weight of Capital Structure (in thousands) |  |  |  |  |  |  |
|  |  | ok Value | Weights |  | ket Value | Weights |
| Debt | \$ | 515,000 | 49\% | \$ | 515,000 | 13\% |
| Preferred Stock |  | - | 0\% |  | - | 0\% |
| Common Stock | \$ | 529,011 | 51\% | \$ | 3,311,649 | 87\% |
| Total | \$ | 1,044,011 | 100\% | \$ | 3,826,649 | 100\% |
| ${ }^{\text {a }}$ Market Value of Common Stock is obtained by multiplying common stock outstanding with closing price at Dec 31st 2008 |  |  |  |  |  |  |

### 3.0 Weighted Average Cost of Capital (WACC)

The decision to accept or reject the proposed project will largely be dependent on the firm's ability to obtain financing at a cost that will allow the project to generate positive future cash flows and add value to JBHT. We will now determine each component cost of capital so that we may apply the weights determined in the previous section to their respective costs and arrive at our firm's weighted average cost of capital. Weighted Average of Cost of capital shows firm's average cost of capital. For JBHT as depicted in below tables their after tax cost of debt is $3.42 \%$. Their cost of equity is $11.08 \%$. To calculate the cost of equity three methods were used capital asset pricing model (CAPM), discounted cash flow (DCF), and bond-yield-plus-risk-premium approach. All three methods shows variations in the cost of equity hence, the average of all three has been taken to derive cost of equity. As shown in table 3.1 JBHT's WACC is $10.05 \%$, this is higher due to lower debt weights in company's capital structure.

Table 3.1 Cost of Debt

```
Component Cost of Debt
3.42%
For JBHT, future interest rate (rd) will be based on 20 year AAA Corporate Bond.
As per Annual Report 10-K, effective income tax rate was 37.8% in 2008 and 34.4% in
2007.
As per Yahoo Finance: http://finance.yahoo.com/bonds/composite_bond_rates
20 Year AAA Corporate Bond (rd) 5.50%
Income Tax (T) 37.80%
Component Cost of Debt rd(1-T) 3.42%
```

Table 3.1 Cost of Equity

## CAPM Approach ( $\mathbf{r}_{\mathrm{s}}$ ):

## Risk-free Rate ( $\mathbf{r}_{\mathrm{RF}}$ )

10 Year US Treasury Bond
3.16\%
http://finance.yahoo.com/bonds/composite_bond_rates

Beta (b)
1.07

Source : http://www.google.com/finance?q=JBHT

Market Risk Premium (RPM) 6\%

Cost of Equity
$r_{s}=r_{R F}+\left(R P_{M}\right)(b)$
$\begin{array}{ll}r_{s}=0.316+(0.06)(1.07) & \mathbf{9 . 5 8 \%}\end{array}$

DCF Approach ( $\mathrm{r}_{\mathrm{s}}$ ):
15.25\%

| Current Stock Price ( $\mathrm{P}_{0}$ ) (as of 5/6/09) = | \$ 29.28 |
| :---: | :---: |
| http://finance.yahoo.com/q?s=JBHT |  |
| Dividend Paid (D0) | \$ 0.40 |
| Source 10-K |  |



Table 3.1 Weighted Average Cost of Capital

| Weighted Average Cost of Capital (WACC) |  |
| :--- | ---: |
| $\quad$ WACC $=\mathrm{w}_{\mathrm{d}} \mathrm{r}_{\mathrm{d}}(1-\mathrm{T})+\mathrm{w}_{\mathrm{DS}} \mathrm{r}_{\mathrm{ps}}+\mathrm{w}_{\mathrm{ce}} \mathrm{I}_{\mathrm{s}}$ | $0.46 \%$ |
| rd weighted cost | $9.59 \%$ |
| rs weighted cost | $0.00 \%$ |
| rp weighted cost | $\mathbf{1 0 . 0 5 \%}$ |
| WACC |  |

### 4.0 Cash Flow Estimation

JBHT is considering new project. The capital outlay of 192 million was compared with future discounted cash flows. As shown in below calculations, the NPV of JBHT is positive to 176.69 million. The project has high probability of increasing shareholders value and based on the below calculation it is recommended that JBHT should pursue the new project. As shown
internal rate of return on the project will be $24.7 \%$, a much higher number than company's
WACC. Also the new project would be able to pay back in 4 years.

| Input Data: |  |  |
| :---: | :---: | :---: |
| Cost of Fixed Assets for Project (FA) = | \$ | 180,000,000 |
| Shipping and Installation = | \$ | 12,000,000 |
| Depreciation Basis = | \$ | 192,000,000 |
| Unit Sold in Year $1=$ |  | 870,000 |
| Required NOWC as \% of Sales = |  | 18\% |
| Annual Growth Rate of Sales = |  | 10\% |
| Unit Sales Price in Year 1 = | \$ | 250 |
| Variable Costs (VC) per Unit in Year $1=$ | \$ | 175 |
| Annual Inflation: Growth in Sales Price = |  | 2.50\% |
| Annual Inflation: Growth in VC per unit = |  | 2.50\% |
| Company Tax Rate = |  | 33\% |
| WACC = |  | 10.05\% |
| Market Value of FA at Salvage = | \$ | 25,000,000 |
| Fixed Asset MACRS Class = |  | 7 years |
| Duration of the project = |  | 8 Years |


| Depreciation Schedule: | http://www.real-estate-owner.com/depreciation- <br> chart.html <br> Recovery Percentage or <br> Depreciation Rate |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Ownership Year | $14 \%$ | $\$$ | $26,880,000$ | $\$$ | $165,120,000$ |
| 1 | $25 \%$ | $\$$ | $48,000,000$ | $\$$ | $117,120,000$ |
| 2 | $17 \%$ | $\$$ | $32,640,000$ | $\$$ | $84,480,000$ |
| 3 | $13 \%$ | $\$$ | $24,960,000$ | $\$$ | $59,520,000$ |
| 4 | $9 \%$ | $\$$ | $17,280,000$ | $\$$ | $42,240,000$ |
| 5 | $9 \%$ | $\$$ | $17,280,000$ | $\$$ | $24,960,000$ |
| 6 | $9 \%$ | $\$$ | $17,280,000$ | $\$$ | $7,680,000$ |
| 7 | $4 \%$ | $\$$ | $7,680,000$ | $\$$ | - |

## Totals

| Depreciation Basis $(\mathrm{DB})=$ | $\$$ | $192,000,000$ |
| :--- | ---: | ---: |
| Cumulative Depreciation Expense $(\mathrm{CDE})=$ | $\$$ | $192,000,000$ |
| Ending Book Value of FA $=(\mathrm{DB}-\mathrm{CDE})=$ |  | $\$ 0$ |

## Net Salvage Values at End of Project:

|  |  | Fixed Assets |
| :--- | :---: | ---: |
| Market Value when salvaged $=$ | $\$$ | $25,000,000$ |
| Book Value when salvaged $=$ | $\$$ | 0 |
| Expected Gain $=$ | $\$$ | $25,000,000$ |
| Taxes paid $=$ | $\$$ | $8,250,000$ |
| Net Cash Flow from salvage $=$ | $\$$ | $\mathbf{1 6 , 7 5 0}, \mathbf{0 0 0}$ |

Projected Net Cash Flows from
Project:

| Years |  |  |  |  |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |

Investment Outlays: Long-Term
Assets:
$\begin{array}{lc}\text { Fixed Assets for Project } & \$ \\ (192,000,000)\end{array}$

Operating Cash Flows over Project
Life:
Units Sold
Sales Price per unit
Sales Revenue
Variable Costs
Depreciation (Fixed Assets for Project)
Operating Income Before Taxes (EBIT)
Taxes on Operating Income
Net Operating Profit After taxes
(NOPAT)
Add Back Depreciation
Operating Cash Flow

Cash Flows Due to Net Operating
Working Capital:
Net Operating Working Capital (NOWC)

Cash Flow Due to Investment in NOWC

Salvage Cash Flows: Long-Term
Assets:
Total Salvage Cash Flow: Fixed Assets for Project

| 870,000 | 957,000 | $1,052,700$ | $1,157,970$ | $1,273,767$ | $1,401,144$ | $1,541,258$ | $1,695,384$ |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| $\$$ | $\$$ | $\$$ | $\$$ | $\$$ | $\$$ | $\$$ | $\$$ |
| 250.00 | 256.25 | 262.66 | 269.22 | 275.95 | 282.85 | 289.92 | 297.17 |
| $\$$ | $\$$ | $\$$ | $\$$ | $\$$ | $\$$ | $\$$ | $\$$ |
| $217,500,000$ | $245,231,250$ | $276,498,234$ | $311,751,759$ | $351,500,109$ | $396,316,372$ | $446,846,710$ | $503,819,665$ |
| $152,250,000$ | $171,661,875$ | $193,548,764$ | $218,226,231$ | $246,050,076$ | $277,421,461$ | $312,792,697$ | $352,673,766$ |
| $26,880,000$ | $48,000,000$ | $32,640,000$ | $24,960,000$ | $17,280,000$ | $17,280,000$ | $17,280,000$ | $7,680,000$ |
|  |  |  |  |  |  |  |  |
| $38,370,000$ | $25,569,375$ | $50,309,470$ | $68,565,528$ | $88,170,033$ | $101,614,912$ | $116,774,013$ | $143,465,900$ |
| $12,662,100$ | $8,437,894$ | $16,602,125$ | $22,626,624$ | $29,096,111$ | $33,532,921$ | $38,535,424$ | $47,343,747$ |
|  |  |  |  |  |  |  |  |
| $25,707,900$ | $17,131,481$ | $33,707,345$ | $45,938,904$ | $59,073,922$ | $68,081,991$ | $78,238,589$ | $96,122,153$ |
| $26,880,000$ | $48,000,000$ | $32,640,000$ | $24,960,000$ | $17,280,000$ | $17,280,000$ | $17,280,000$ | $7,680,000$ |
| $\$$ | $\$$ | $\$$ | $\$$ | $\$$ | $\$$ | $\$$ | $\$$ |
| $52,587,900$ | $65,131,481$ | $66,347,345$ | $70,898,904$ | $76,353,922$ | $85,361,991$ | $95,518,589$ | $103,802,153$ |


| $\$$ | $\$$ | $\$$ | $\$$ | $\$$ | $\$$ | $\$$ | $\$$ | $\$$ |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| $39,150,000$ | $44,141,625$ | $49,769,682$ | $56,115,317$ | $63,270,020$ | $71,336,947$ | $80,432,408$ | $90,687,540$ | - |
| $\$$ | $\$$ | $\$$ | $\$$ | $\$$ | $\$$ | $\$$ | $\$$ | $\$$ |
| $(39,150,000)$ | $(4,991,625)$ | $(5,628,057)$ | $(6,345,634)$ | $(7,154,703)$ | $(8,066,927)$ | $(9,095,461)$ | $(10,255,132)$ | $90,687,540$ |


|  | \$ | \$ | \$ | \$ | \$ | \$ | \$ | \$ | \$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Net Cash Flow (Time line of cash flows) | $(231,150,000)$ | 47,596,275 | 59,503,424 | 60,001,711 | 63,744,201 | 68,286,994 | 76,266,530 | 85,263,457 | 211,239,693 |

## Capital Budgeting

Analysis:

Net Present Value (NPV)
Internal Rate of Return
(IRR)
\$
176,693,069


### 5.0 Sensitivity Analysis

A sensitivity analysis is a risk assessment tool that allows managers to establish how sensitive a project may be to changes in the project's key variables. The sensitivity analysis calculates the change in NPV of the project given a change in a particular variable. For this project we have assumed variances up to $30 \%$ for several of the project's input variables: sales growth rate, variable cost per unit, sales price, units sold in year 1 of the project, WACC, and fixed costs. One way to quantify the sensitivity of a project is to chart the change in NPV based on the deviation of certain key drivers. NPV analysis is very helpful for management to see the outcome in various dynamic environments. Listed below are six tables illustrating the sensitivity of the project's NPV to changes in the aforementioned variables:

Table 5.1 Sensitivity Analysis

| \% Deviation from <br> Base Case | SALES GROWTH RATE |  |  | \% Deviation from <br> Base Case | 1st YEAR UNIT SALES |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Sales Growth | NPV |  |  | Units |  | NPV |
|  | Rate | \$ 176,693,069 |  |  | Sold | \$ | 176,693,069 |
| -30\% | 7.0\% | -\$39,265 |  | -30\% | 609 |  | \$79,112 |
| -15\% | 8.5\% | \$6,431 |  | -15\% | 740 |  | \$125,846 |
| 0\% | 10.0\% | \$172,579 | Base Case | 0\% | 870 |  | \$172,579 |
| 15\% | 11.5\% | \$228,804 |  | 15\% | 1,001 |  | \$219,312 |
| 30\% | 13.0\% | \$473,303 |  | 30\% | 1,131 |  | \$266,045 |
| \% Deviation from Base Case | VARIABLE COSTS |  |  | \% Deviation from Base Case | WACC |  |  |
|  | Variable Cost per Unit | NPV |  |  |  |  | NPV |
|  |  | \$176,693,069 |  |  | WACC | \$ | 176,693,069 |
| -30\% | \$122.50 | \$412,780 |  | -30\% | 7.00\% |  | \$238,463 |
| -15\% | \$148.75 | \$292,679 |  | -15\% | 8.50\% |  | \$206,550 |
| 0\% | \$175.00 | \$172,579 | Base Case | 0\% | 10.00\% |  | \$177,664 |
| 15\% | \$201.25 | \$52,478 |  | 15\% | 11.50\% |  | \$151,463 |
| 30\% | \$227.50 | -\$67,622 |  | 30\% | 13.00\% |  | \$127,648 |


| \% Deviation from Base Case | SALES PRICE |  |  | \% Deviation from Base Case | FIXED COSTS |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Sales Price per Unit | $\begin{array}{r} \text { NPV } \\ \$ \$ 176,693,069 \end{array}$ |  |  | Initial | NPV |
|  |  |  |  |  | Investment | \$176,693,069 |
| -30\% | \$175.00 | -\$161,089 |  | -30\% | \$7,000 | \$145,870 |
| -15\% | \$212.50 | \$5,745 |  | -15\% | \$8,500 | \$140,147 |
| 0\% | \$250.00 | \$172,579 | Base Case | 0\% | \$10,000 | \$134,424 |
| 15\% | \$287.50 | \$339,412 |  | 15\% | \$11,500 | \$128,701 |
| 30\% | \$325.00 | \$506,246 |  | 30\% | \$13,000 | \$122,978 |

Table 5.2 NPV deviations

| Deviation from Base Case | NPV at Different Deviations from Base |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Sales <br> Price | Variable Cost/Unit | Sales Growth Rate | Year 1 <br> Units Sold | Fixed <br> Cost | WACC |
| -30\% | -\$161,088,829 | \$412,779,852 | -\$39,265,482 | \$79,112,306 | \$145,870,483 | \$238,463,022 |
| -15\% | \$5,744,944 | \$292,679,285 | \$6,430,781 | \$125,845,512 | \$140,147,290 | \$206,549,810 |
| 0\% | \$172,578,717 | \$172,578,717 | \$172,578,717 | \$172,578,717 | \$134,424,098 | \$177,663,874 |
| 15\% | \$339,412,490 | \$52,478,149 | \$228,803,950 | \$219,311,922 | \$128,700,905 | \$151,462,779 |
| 30\% | \$506,246,263 | -\$67,622,419 | \$473,303,384 | \$266,045,127 | \$122,977,712 | \$127,647,919 |
|  |  |  |  |  |  |  |
| Range | \$667,335,092 | \$480,402,271 | \$512,568,866 | \$186,932,821 | \$22,892,771 | \$110,815,103 |

Figure 5.1 Sensitivity Analysis
graph


Table 5.3 NPV Breakeven Analysis

| NPV Breakeven Analysis: |  |  |
| :--- | ---: | ---: |
|  | Input | Input Value that <br> Produces Zero NPV |
| Sales Price | $\$ 211.00$ |  |
| Variable Cost / Unit | $\$ 213.00$ |  |
| Sales Growth Rate | $-17.0 \%$ |  |
| Year 1 Units Sold | 388,077 |  |
| Fixed Costs | $\$ 417,979,779.83$ |  |
| WACC | $24.68 \%$ |  |

### 6.0 Appendix

Table 6.1 Balance Sheet

| As Reported Annual Balance Sheet | $\mathbf{1 2 / 3 1 / 2 0 0 8}$ | $\mathbf{1 2 / 3 1 / 2 0 0 7}$ | $\mathbf{1 2 / 3 1 / 2 0 0 6}$ | $\mathbf{1 2 / 3 1 / 2 0 0 5}$ |
| :--- | ---: | ---: | ---: | ---: |
| Currency: USD Scale: Thousands |  |  |  |  |


| Less: current maturities | $(118,500)$ | $(234,000)$ | $(214,000)$ | - | - |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Long-term debt | 515,000 | 679,100 | 182,400 | 124,000 | - |
| Other long-term liabilities | 30,490 | 34,453 | 54,656 | 45,834 | 40,294 |
| Deferred income taxes | 311,064 | 281,564 | 294,534 | 285,929 | 282,241 |
| Total liabilities | 1,264,442 | 1,519,549 | 1,010,320 | 731,849 | 630,756 |
| Stockholder's equity: |  |  |  |  |  |
| Preferred stock, \$100 par value. 10 million shares authorized; none outstanding | - | - | - | - | - |
| Common stock, \$. 01 par value. 1 billion shares authorized; (167,099,432 shares issued at December 31, 2008, and 2007 of which $126,062,115$ shares and $124,572,121$ shares were outstanding at December 31, 2008, and 2007, respectively) | 1,671 | 1,671 | 1,671 | 1,671 | 418 |
| Additional paid-in capital | 170,931 | 170,536 | 177,065 | 182,680 | 197,870 |
| Retained earnings (accumulated deficit) | 1,343,077 | 1,192,628 | 1,035,804 | 863,586 | 694,230 |
| Accumulated other comprehensive income (loss) | $(1,186)$ | (993) | (148) | - | - |
| Total equity before treasury stock | - | - | - | 1,047,937 | 892,518 |
| Treasury stock, at cost | $(985,482)$ | $(1,020,645)$ | $(454,655)$ | $(230,912)$ | $(31,568)$ |
| Total stockholders' equity | 529,011 | 343,197 | 759,737 | 817,025 | 860,950 |
| Total Liabilities \& Equity | 1,793,453 | 1,862,746 | 1,770,057 | 1,548,874 | 1,491,706,000 |
| Common Stock Outstanding | 126,062 | 124,572 | 167,100 | 167,100 | 41,800 |

Table 6.2 Income Statement

| As Reported Annual Income Statement Currency: USD Scale: Thousands | 12/31/2008 | 12/31/2007 | 12/31/2006 | 12/31/2005 | 12/31/2004 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Operating revenues, excluding fuel surcharge revenues | 3,001,531 | 3,009,819 | 2,897,816 | 2,791,926 | - |
| Fuel surcharge revenues | 730,412 | 480,080 | 430,171 | 335,973 | - |
| Total operating revenues | 3,731,943 | 3,489,899 | 3,327,987 | 3,127,899 | 2,786,154 |
| Rents \& purchased transportation | 1,479,234 | 1,235,390 | 1,124,734 | 1,058,406 | 932,133 |
| Salaries, wages \& employee benefits | 859,588 | 888,594 | 892,066 | 855,272 | 830,005 |
| Fuel \& fuel taxes | 520,647 | 463,538 | 447,309 | 388,962 | 288,562 |
| Depreciation \& amortization | 202,288 | 205,133 | 183,604 | 163,034 | 149,776 |
| Operating supplies \& expenses | 158,202 | 155,893 | 145,794 | 132,895 | 124,172 |
| Insurance \& claims expenses | 60,772 | 69,655 | 71,582 | 55,266 | 54,757 |
| General \& administrative expenses, net of asset dispositions | 41,363 | 48,211 | 33,232 | 45,939 | 38,460 |
| Operating taxes \& licenses expenses | 32,162 | 33,540 | 34,447 | 35,827 | 35,020 |
| Communication \& utilities expenses | 19,269 | 21,156 | 22,566 | 22,597 | 23,046 |
| Arbitration settlement | - | - | - | 25,801 | - |
| Total operating expenses | 3,373,525 | 3,121,110 | 2,955,334 | 2,783,999 | 2,475,931 |
| Operating income (loss) | 358,418 | 368,789 | 372,653 | 343,900 | 310,223 |
| Interest income | 890 | 1,011 | 978 | 966 | 1,888 |
| Interest expense | 35,337 | 43,523 | 16,137 | 6,531 | 7,362 |
| Equity in earnings (loss) of affiliated company | -1,735 | -1,230 | -3,181 | -4,709 | -2,470 |
| Earnings (loss) before income taxes | 322,236 | 325,047 | 354,313 | 333,626 | 302,279 |
| Current federal income tax expense (benefit) | 93,699 | 114,499 | 121,855 | 114,745 | 83,428 |
| Current state \& local income tax expense (benefit) | 8,985 | 13,462 | 7,781 | 5,809 | 2,433 |


| Total current income tax expense (benefit) | 102,684 | 127,961 | 129,636 | 120,554 | 85,861 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Deferred federal income tax expense (benefit) | 19,776 | -16,209 | 5,891 | 5,131 | 61,375 |
| Deferred state \& local income tax expense (benefit) | -817 | 161 | -1,166 | 630 | 8,787 |
| Total deferred income tax expense (benefit) | 18,959 | -16,048 | 4,725 | 5,761 | 70,162 |
| Income taxes | 121,643 | 111,913 | 134,361 | 126,315 | 156,023 |
| Net earnings (loss) | 200,593 | 213,134 | 219,952 | 207,311 | 146,256 |
| Weighted average shares outstanding - basic | 125,416 | 134,334 | 148,581 | 157,583 | 161,542 |
| Weighted average shares outstanding - diluted | 128,533 | 137,639 | 152,317 | 162,559 | 166,936 |
| Year end shares outstanding | 126,062.12 | 124,572.12 | 144,555.44 | 153,813.09 | 162,786.73 |
| Net earnings (loss) per share - basic | 1.6 | 1.59 | 1.48 | 1.32 | 0.905 |
| Net earnings (loss) per share - diluted | 1.56 | 1.55 | 1.44 | 1.28 | 0.875 |
| Dividends declared per common share | 0.4 | 0.36 | 0.32 | 0.24 | 0.045 |
| Total number of employees | 14,667 | 15,795 | 17,150 | 16,370 | 15,850 |
| Total number of common stockholders | 1,345 | 1,383 | 1,354 | 1,338 | 1,324 |

${ }^{1}$ Adjusted for 2-for-1 stock split, May 24, 2005
${ }^{2}$ As is
${ }^{3}$ Approximately
${ }^{4}$ As of February 20, 2009
${ }^{5}$ As of February 26, 2008
${ }^{6}$ As of February 23, 2007
${ }^{7}$ As of January 31, 2006
${ }^{8}$ As of January 31, 2005

Table 6.3 Statement of Cash Flow

| As Reported Annual Cash Flow | 12/31/2008 | 12/31/2007 | 12/31/2006 | 12/31/2005 | 12/31/2004 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Currency: USD Scale: Thousands |  |  |  |  |  |
| Net earnings (loss) | 200,593 | 213,134 | 219,952 | 207,311 | 146,256 |
| Depreciation | 202,288 | 205,133 | - | - | - |
| Depreciation \& amortization | - | - | 183,604 | 163,034 | 149,776 |
| Share-based compensation | 13,773 | 9,389 | 7,171 | - | - |
| Loss (gain) on sale of revenue equipment | - | - | -2,891 | -1,808 | -402 |
| Loss (gain) on sale of revenue equipment \& other | -659 | 456 | - | - | - |
| Impairment on assets held for sale | 3,934 | 8,374 | - | - | - |
| Provision for deferred income taxes | 19,513 | 3,499 | 4,915 | 5,761 | 70,162 |
| Equity in loss of affiliated company | 1,735 | 1,230 | 3,181 | 4,709 | 2,470 |
| Tax benefit (expense) of stock options exercised | - | - | - | 19,276 | 17,829 |
| Amortization of discount | - | - | - | - | 67 |
| Trade accounts receivable | 50,043 | 16,049 | -2,750 | -54,355 | -33,114 |
| Income tax receivable | 4,790 | 21,784 | -11,824 | 19,418 | -19,418 |
| Other assets | 31,672 | 12,317 | 20,218 | 8,052 | -19,224 |
| Trade accounts payable | -16,460 | 14,993 | 7,923 | -28,147 | 21,132 |
| Claims accruals | -1,307 | -640 | 4,391 | -2,884 | 1,659 |
| Accrued payroll \& other accrued expenses | -4,769 | -47,913 | -10,827 | -8,515 | 56,544 |
| Net cash flows from operating activities | 505,146 | 457,805 | 423,063 | 331,852 | 393,737 |


| Additions to property \& equipment | -303,241 | -363,552 | -483,188 | -285,364 | -451,083 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Proceeds from sale of equipment | 92,360 | 32,917 | 72,985 | 81,458 | 175,295 |
| Net proceeds (purchases) of available for sale investments | 6,275 | -8,756 | - | - | - |
| Change in other assets | 2,302 | -1,096 | -558 | -8,738 | 25,892 |
| Net cash flows from investing activities | -202,304 | -340,487 | -410,761 | -212,644 | -249,896 |
| Proceeds from issuances of long-term debt | - | 400,000 | 100,000 | - | - |
| Payments on long-term debt | -14,000 | -14,000 | -3,500 | - | -105,000 |
| Borrowings (repayments) of long-term debt | - | - | - | 124,000 | - |
| Net proceeds (repayments) from revolving lines of credit | - | - | 175,900 | - | - |
| Net proceeds (payments) from revolving lines of credit \& other debt | -273,068 | 135,022 | - | - | - |
| Principal payments under capital lease obligations | - | - | - | - | -66,844 |
| Purchase of treasury stock | - | -603,371 | -257,395 | - | - |
| Stock option exercises | 8,956 | 10,312 | 9,223 | 10,883 | 8,045 |
| Stock repurchased for payroll taxes | -2,023 | -2,733 | -1,204 | -4,206 | -7,028 |
| Tax benefit of stock options exercised | 14,853 | 13,885 | 12,367 | - | - |
| Dividends paid | -50,144 | -48,847 | -47,734 | -37,955 | -7,288 |
| Proceeds from sale of treasury stock | - | - | - | -239,234 | - |
| Net cash flows from financing activities | -315,426 | -109,732 | -12,343 | -146,512 | -178,115 |
| Net increase (decrease) in cash \& cash equivalents | -12,584 | 7,586 | -41 | -27,304 | -34,274 |
| Cash \& cash equivalents at beginning of year | 14,957 | 7,371 | 7,412 | 34,716 | 58,112 |
| Cash \& cash equivalents at end of year | 2,373 | 14,957 | 7,371 | 7,412 | 23,838 |
| Cash paid during the year for interest | 35,495 | 52,897 | 14,013 | 5,506 | 7,559 |
| Cash paid during the year for income taxes | 81,934 | 107,349 | 124,307 | 77,209 | 55,578 |

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