# MOTOR CARRIER INDUSTRY PROFILE: STRUCTURE, OPERATIONS, AND FINANCIAL PERFORMANCE OF MAJOR SEGMENTS

# PROJECT TITLE: MEASURING EXPOSURE IN THE DIVERSE MOTOR CARRIER INDUSTRY

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### I. INTRODUCTION

This report is the result of a contract (Measuring Exposure in the Diverse Motor Carrier Industry) between the Federal Highway Administration and the Supply Chain Management Center of the Robert H. Smith School of Business. The report constitutes a profile of the motor-carrier industry and its significant operating segments. It includes information from financial reports filed by the carriers with the US Department of Transportation (DOT) for the calendar year 1997. Two major agencies, The Trucking Information Services of the American Trucking Associations and Transportation Technical Services, Inc., compiled the information that the motor carriers submit to the DOT and produced a computerized file with this information.

Data from a total of 1,804 firms were obtained after combining information from these two source organizations and filtering outlying data in the sample. These firms represent the largest for-hire firms in the industry. It is recognized, however, that there are firms that do not report any data to the DOT. Furthermore, some of the data that is reported to the DOT has inaccuracies, necessitating its exclusion. Unfortunately, these limitations could not be overcome, but must be recognized when assessing the results included in this report.

The report is divided into fourteen sections. The first section presents overview information on the structural, operating, and financial characteristics of the motor-carrier industry and its thirteen segments. This section is followed by a separate section for each of the 13 industry segments.

### II. INDUSTRY OVERVIEW

This section is designed to provide an overview of the structure, operation, and financial performance of the industry based on segmentation by dominant carrier activity. Thirteen carrier activity segments are analyzed. These segments are: Refrigerated, Bulk Materials - Non Tank, Tank Carriers, Moving/Household Goods, Heavy Equipment, General Freight Truck-Load (subdivided into small, medium, and large-sized carriers), General Freight Less-Than-Truck-Load, and Other Specialized (subdivided into small, medium, and large-sized carriers). The first of the following three sections presents information regarding the number of firms that participated in each segment, the total revenues per segment, and the revenue concentration among the largest firms in each segment. The second section includes information on carrier operations. This information covers equipment ownership patterns, average vehicle loads, and average lengths of haul. Finally, the third section reports on average financial performance of carriers in each segment. The information in this section includes operating ratios, net profit margins, and returns on equity.

### 1. Industry Structure

Overall, 1,804 firms are included in this analysis (Table 1). The majority of the firms are in the three size segments in the General Freight Truck Load segment (57.7%). The segments with the smallest number of firms are the Heavy Equipment and Building Materials segments (1.2% and 1.7%, respectively). These 1,804 firms reported total annual revenues of \$66.02 Billion. Firms in the General Freight Truck-Load Large group reported \$22 Billion in total annual revenues. This constitutes almost 33.3% of all the industry's annual revenues. In addition, firms in the General Freight Less-Than-Truck-Load reported \$20.9 Billion in total annual revenues. This constitutes almost 31.7% of all the industry's annual revenues. As these numbers indicate, there is a significant concentration of industry revenues among these two segments. In contrast, the Heavy Equipment and Building Materials segment only account for \$306 Million (0.46%) and \$737 Million (1.1%). It is important to note that these two segments were also the segments with the fewest number of firms.

The industry's annual revenue concentration for the largest firm in each of the segments averaged 9.14%. Furthermore, the industry's annual revenue concentration across the five largest firms in each of the segments averaged 29.3%. The industry segment with the highest one-firm revenue concentration level is the Building Material segment (39.1%). This segment is also the segment with the highest five-firm revenue concentration ratio in the industry (77.3%). In each of two additional segments, Moving/Household Goods and General Freight LTL, the five firm revenue concentration ratio stood at approximately 50%. Of the remaining segments, excluding the medium and small-sized sub segments of the General Freight Truckload and Other Specialized carrier segments, the five-firm concentration ratios range from 20.9 to 39.8% (Refrigerated, Bulk Materials - Non Tank, Tank Carriers, Heavy Equipment, General Freight Truckload-Large, and Other Specialized-Large).

### 2. Operations

Table 1 includes information on equipment ownership patterns for each of the segments. Average truck ownership rates range from a high of 98% (Heavy Equipment) to a low of 48% (Building Materials). In 8 of the 13 segments, average truck ownership rates are 70% or above. Average tractor ownership rates range from a high of 83% (Heavy Equipment) to a low of 47% (Refrigerated). Although there is evidence of variations of equipment ownership patterns among carriers, the data indicate that there is a tendency for the majority of equipment to be owned by the carriers. Low levels of equipment ownership frequently reflect a carrier's commitment to the use of owner operators under a leasing arrangement.

Table 1 also includes information on average truckloads and lengths of haul. The segments with the highest average load are the Building Materials (18.7 Tons) and the Bulk Materials - Non Tank (17.5 Tons). The segments with the smallest average load are the Moving/Household Goods (5.96 Tons) and the General Freight LTL (10.60 Tons). These latter two segments carry freight with lower density and higher demands on volume. The Moving/Household Goods and the General Freight LTL segments also have high average lengths of haul (884 and 529 Miles, respectively). These averages are exceeded only by the Refrigerated carriers, who achieved an average length of haul of 927 Miles. In contrast, three segments, Bulk Materials - Non Tank, Tank Carriers, and Heavy Equipment, had average lengths of haul below 200 Miles.

#### 3. Financial Performance

Operating ratio, defined as the ratio of operating expenses to operating revenues, is a basic parameter used to evaluate carrier performance in their fundamental transportation operations. As Table 1 indicates, overall, across all industry segments, the average operating ratio is 96.37. Seven industry segments reported better operating performance than this average. These segments are: Tank Carriers (95.58), General Freight Truckload-Medium (95.86), General Freight Truckload Large (95.20), General Freight LTL (95.14), Bulk Materials - Non Tank (95.94), Other Specialized Carriers-Medium (95.95), and Other Specialized-Large (94.78). The industry segment with worst average operating performance was the Heavy Equipment Segment (100.17).

Net profit margins, defined as the difference between firm revenues and expenses as a percentage of firm revenues, provide a comprehensive measure of firm profitability by incorporating all the revenues and expenses of the firm, including revenues and expenses from non-transportation activities. Many firms have insignificant non-transportation revenues and expenses. For these firms, Table 1 provides no additional information beyond the operating ratio. As Table 1 shows, the 13 segments have an average firm profit margin of 2.23%. Ten of these 13 segments reported profit margins above that average. The three segments with a below-average net profit margin are Refrigerated (2.19%), General Freight Truckload-Medium (1.87%), and Building Materials (0.97%). Overall, as the segments' data illustrate, carriers are on average, profitable firms.

The final measure of firm performance is return on equity. This performance measures the level of returns to the investors of the firm. As Table 1 illustrates, on average, the return on equity ratio across the 13 segments is 20.58. The segment with the highest return on equity ratio was General Freight-LTL (34.94). Three segments (Refrigerated, Bulk Materials - Non Tank, and Building Materials) had the lowest average return on equity with a value of approximately 15%, respectively. These numbers suggest that firms in the industry are, on average, able to generate positive returns to their shareholders and investors.

Table 1: Profile of Industry Segments: Structure, Operations, and Financial Performance

| Variable                          | Refrigerated    | Tank Carriers   | Moving/Household | Heavy         |
|-----------------------------------|-----------------|-----------------|------------------|---------------|
|                                   |                 |                 | Goods            | Equipment     |
| Number of Firms                   | 126             | 123             | 96               | 22            |
| Total Revenue                     | \$4,590,125,446 | \$3,661,449,825 | \$4,943,727,767  | \$305,945,584 |
| Revenue Share of the Largest Firm | \$345,422,841   | \$262,135,130   | \$730,261,166    | \$28,692,593  |
|                                   | (7.5%)          | (7.2%)          | (14.8%)          | (9.4%)        |
| Revenue Share of 5 Largest Firms  | \$1,447,280,228 | \$1,035,785,681 | \$2,539,757,759  | \$111,917,000 |
|                                   | (31.5%)         | (28.3%)         | (51.4%)          | (36.6%)       |
| Average Truck Ownership (%)       | 69              | 73              | 82               | 98            |
| Average Tractor Ownership (%)     | 47              | 55              | 62               | 83            |
| Average Load (Tons)               | 16.47           | 14.63           | 5.96             | 13.44         |
| Average Length of Haul (Miles)    | 927             | 172             | 884              | 197           |
| Operating Ratio (%)               | 96.95           | 95.58           | 96.51            | 100.17        |
| Net Profit Margin (%)             | 2.19            | 2.73            | 3.26             | 3.98          |
| Return on Equity (%)              | 15.27           | 24.77           | 19.02            | 20.37         |

| Variable                          | General Freight— | General Freight— | General Freight— |
|-----------------------------------|------------------|------------------|------------------|
|                                   | Small            | Medium-Sized     | Large            |
| Number of Firms                   | 341              | 348              | 351              |
| Total Revenue                     | \$1,443,310,537  | \$2,866,092,039  | \$21,950,000,000 |
| Revenue Share of the Largest Firm | \$6,087,446      | \$10,975,558     | \$1,351,007,445  |
|                                   | (0.4%)           | (0.4%)           | (6.2%)           |
| Revenue Share of 5 Largest Firms  | \$30,343,894     | \$54,549,060     | \$4,591,469,364  |
|                                   | (2.1%)           | (1.9%)           | (20.9%)          |
| Average Truck Ownership (%)       | 73               | 67               | 69               |
| Average Tractor Ownership (%)     | 60               | 54               | 54               |
| Average Load (Tons)               | 14.43            | 14.09            | 13.83            |
| Average Length of Haul (Miles)    | 464              | 476              | 577              |
| Operating Ratio (%)               | 96.70            | 95.86            | 95.20            |
| Net Profit Margin (%)             | 2.52             | 1.87             | 2.95             |
| Return on Equity (%)              | 19.90            | 16.44            | 21.88            |

| Variable                          | General Freight— | Bulk Materials - Non | <b>Building Materials</b> |
|-----------------------------------|------------------|----------------------|---------------------------|
|                                   | LTL              | Tank                 |                           |
| Number of Firms                   | 56               | 75                   | 31                        |
| Total Revenue                     | \$20,870,000,000 | \$1,272,262,509      | \$737,258,651             |
| Revenue Share of the Largest Firm | \$2,577,328,172  | \$113,334,545        | \$288,145,000             |
|                                   | (12.3%)          | (8.9%)               | (39.1%)                   |
| Revenue Share of 5 Largest Firms  | \$10,215,970,040 | \$373,497,567        | \$569,425,220             |
|                                   | (49%)            | (29.4%)              | (77.3%)                   |
| Average Truck Ownership (%)       | 81               | 71                   | 48                        |
| Average Tractor Ownership (%)     | 74               | 68                   | 58                        |
| Average Load (Tons)               | 10.6             | 17.5                 | 18.7                      |
| Average Length of Haul (Miles)    | 529              | 183.4                | 443.5                     |
| Operating Ratio (%)               | 95.14            | 95.94                | 97.15                     |
| Net Profit Margin (%)             | 2.75             | 3.26                 | 0.97                      |
| Return on Equity (%)              | 34.94            | 15.05                | 15.21                     |

Table 1 (continued): Profile of Industry Segments: Structure, Operations, and Financial Performance

| Variable                          | Other         | Other         | Other           |
|-----------------------------------|---------------|---------------|-----------------|
|                                   | Small-Sized   | Medium-Sized  | Large-Sized     |
| Number of Firms                   | 76            | 82            | 77              |
| Total Revenue                     | \$318,128,966 | \$638,069,008 | \$3,387,804,017 |
| Revenue Share of the Largest Firm | \$5,593,547   | \$10,856,667  | \$309,880,265   |
|                                   | (1.8%)        | (1.7%)        | (9.1%)          |
| Revenue Share of 5 Largest Firms  | \$27,648,631  | \$52,635,790  | \$1,204,976,952 |
|                                   | (8.7%)        | (8.2%)        | (35.6%)         |
| Average Truck Ownership (%)       | 83            | 87            | 60              |
| Average Tractor Ownership (%)     | 62            | 56            | 52              |
| Average Load (Tons)               | 13.80         | 13.92         | 11.48           |
| Average Length of Haul (Miles)    | 344           | 251           | 330             |
| Operating Ratio (%)               | 96.83         | 95.95         | 94.78           |
| Net Profit Margin (%)             | 3.26          | 2.86          | 3.68            |
| Return on Equity (%)              | 20.65         | 19.87         | 24.11           |

### III. GENERAL FREIGHT – LTL CARRIERS

### Overview of Carriers

General Freight includes non-specialized commodities hauled by truckers such as boxed, bagged, or containerized items suitable for haulage in covered trailers. A total of 56 firms in the industry segment of General Freight (Less-than-Truckload) carriers reported \$20.9 Billion in annual revenues for 1997 (Table 2). The revenues for the five largest firms account for 49% of all the segment's revenues. The largest firm in the industry, Roadway Express, generated 12.3% of the segment's total revenue. Four of the five largest firms in the industry account for 39.2% of the segment's total assets and three of the five largest firms in this industry segment account for 35% of the total units in the segment's fleet (Table 6). One of the largest firms in this segment did not report total assets in 1997 and two did not report total number of units in their fleet.

The information summarized above suggests that there is moderate concentration of the segment's total business among the segment's five largest carriers. However, three of the five largest firms experienced profit margins below the levels achieved by this segment's carriers on average (Table 7). Furthermore, four of the five largest carriers experienced returns on equity that were below the average achieved by all carriers in the segment.

Overall, the average net profit margin for firms in the industry was 2.8%. In addition, the average return on equity was 34.9% (Table 3). The five firms with the highest return on equity ratios had an average of 148.6% (Table 5). This indicates that these firms were about 4 times more effective in returning value to their shareholders with respect to the average firm in the industry. Two firms, Quast Transfer and Dixie Trucking Co. had average returns on equity in excess of 270%. Furthermore, the five most profitable firms are more than 22 times smaller than the five largest firms in the industry. Indeed, the total revenue of the 5 largest firms in the industry is \$10.2 Billion (Table 6), while the total revenue of the 5 most profitable firms is \$458.4 Million (Table 4). Thus, carriers in this industry segment do not necessarily enjoy profitability advantages associated with the size of their operations.

Carriers in this segment handled on average 2.76 Million shipments and 1.76 Million tons of freight and produced 1.54 Billion ton-miles on average. Their average load was 10.6 tons and their average length of haul was 529 miles (Tables 2 and 3). Among the five largest carriers, Roadway Express, generated approximately four and a half times the average tons carried by firms in the segment as well as more than six times the average ton-miles (Table 4).

On average, carriers in this segment owned 81% of their trucks; 74% of their tractors; and 100% of their trailers (Table 2). Among the five largest carriers in this segment, three (Roadway Express, Yellow Freight System, and Consolidated Freightways) relied almost exclusively on company-owned equipment operated by company drivers. In contrast,

Roadway Package System (although it did not report specific data) depends exclusively on owner-operators for its package delivery operation. (Table 6).

Among the five most profitable firms in the segment, average tons and ton-miles for reporting firms are substantially below segment averages. This again confirms the finding that firm profitability and size are not strongly related in this segment. With respect to average length of haul, among the most profitable firms reporting, one, Oliver Trucking, had an average almost double the average for all firms in the segment. However, another of the five most profitable firms, Dixie Trucking Company, had an average length of haul of only 29 miles, substantially below the average for all firms in the segment. Thus, segment profitability does not appear to be related directly to average length of haul, firms with well above average and well below average haul lengths are included in the group of most profitable segment carriers (Table 4).

Three of the five most profitable firms (Quast Transfer, Dixie Trucking Company, and New Penn Motor Express) depended almost exclusively on company drivers to handle their tractor operations. (Table 4). Only one of the most profitable companies, Oliver Transport, owned only a small portion of its tractors (12%). Thus, tractor ownership patterns does not appear to provide a strong explanation for profitability in this industry segment. There is much greater dispersion in tractor ownership strategies among the smallest carriers in this industry segment than there is among the most profitable and largest firms. Indeed, among the five smallest firms in the segment, tractor ownership ranges from a low of zero (Widener Motor Lines) to a high of 85% (New Day Motor Freight). Two firms (Lewis Truck Lines and Ace Trucking) achieved tractor ownership levels of 43% and 48%, respectively (Table 8).

One important performance dimension in the transportation sector is firm operating ratio, which compares operating expenses to operating revenues. Among all firms in this segment, the average operating ratio is 95.1 (Table 3). Among the five most profitable firms (Table 5), based on return on equity, operating ratio ranged from a low of 79.4% (New Penn Motor Express) to a high of 94.2% (Quast Transfer). Another carrier, Pitt-Ohio Express, achieved an operating ratio of 86.4%, indeed, a very low operating ratio for this type of carrier to achieve. Among the five largest carriers (Table 7), the largest, Roadway Express, had an operating ratio of 97.8. Among this group of carriers, the one with the lowest operating ratio (Con-Way Transportation Services) had a ratio of 88.6. Among the five smallest carriers (Table 9), three had operating ratios in excess of 100 and the firm with the lowest operating ratio still had a ratio of 97.8 percent. Clearly, neither the smallest nor the largest carriers in this industry segment had the best operating ratios.

Table 2--General Freight (LTL) Carriers' Average Size and Operating Performance

|                                 | Number of | Total            |
|---------------------------------|-----------|------------------|
|                                 | Companies |                  |
|                                 | Reporting |                  |
| Revenue                         | 56        | \$20,870,000,000 |
| Units in Fleet                  | 47        | 331,326          |
| Assets                          | 49        | \$8,442,554,280  |
| Tons Carried                    | 46        | 81,150,222       |
| Ton-Miles                       | 38        | 58,626,871,675   |
| Shipments                       | 46        | 126,543,679      |
|                                 |           | Average          |
| Size of Load (Tons)             | 37        | 10.6             |
| Length of Haul (Miles)          | 38        | 529              |
|                                 |           | Average          |
| Revenue Per Mile                | 47        | \$3.61           |
| Revenue Per Ton                 | 45        | \$166.37         |
| Revenue Per Ton-Mile            | 38        | \$0.48           |
|                                 |           | Average          |
| % of Trucks Owned               | 47        | 81%              |
| % of Tractors Owned             | 47        | 74%              |
| % of Trailers Owned             | 47        | 100%             |
| Outside Vehicle Maintenance per | 42        | \$2,371          |
| Truck/Tractor                   |           |                  |

Table 3--General Freight (LTL) Carriers' Average Financial Performance

| Operating Income  | \$19,000,000 |
|-------------------|--------------|
| Net Income        | \$11,000,000 |
| Operating Ratio   | 95.14        |
| Net Profit Margin | 2.75%        |
| Return on Equity  | 34.94%       |

Table 4--General Freight (LTL) Carriers' Average Size and Operating Performance: Five Most Profitable Carriers

| Carrier       | Location      | Revenue       | Units | Assets        | Tons      | Ton-miles   |
|---------------|---------------|---------------|-------|---------------|-----------|-------------|
|               |               |               | in    |               | carried   |             |
|               |               |               | Fleet |               |           |             |
| Quast         | Winsted, MN   | \$43,685,198  | 649   | \$13,901,438  | 267,382   | N/A         |
| Transfer      |               |               |       |               |           |             |
| Dixie         | Charlotte,    | \$21,967,796  | 588   | \$6,454,047   | 29,806    | 8,633,626   |
| Trucking Co.  | NC            |               |       |               |           |             |
| Oliver        | Indianapolis, | \$50,704,000  | 669   | \$12,105,000  | 423,753   | 414,617,428 |
| Trucking      | IN            |               |       |               |           |             |
| Pitt Ohio     | Pittsburgh,   | \$138,693,770 | N/A   | \$44,375,218  | N/A       | N/A         |
| Express       | PA            |               |       |               |           |             |
| New Penn      | Lebanon, PA   | \$203,298,681 | 2,266 | \$135,159,930 | 1,081,334 | 232,781,012 |
| Motor Express |               |               |       |               |           |             |

| Carrier      | Total     | Average | Average | Revenue  | Revenue  | Revenue  | Revenue  |
|--------------|-----------|---------|---------|----------|----------|----------|----------|
|              | Shipments | Load    | Haul    | Per      | Per Mile | Per Ton  | Per Ton- |
|              |           | (Tons)  | (Miles) | Shipment |          |          | Mile     |
| Quast        | 471,055   | N/A     | N/A     | \$92.74  | \$2.42   | \$163.38 | N/A      |
| Transfer     |           |         |         |          |          |          |          |
| Dixie        | 250,789   | N/A     | 29      | \$87.59  | \$2.52   | \$73.70  | \$2.54   |
| Trucking Co. |           |         |         |          |          |          |          |
| Oliver       | 176,233   | 13.7    | 978     | \$287.71 | \$1.67   | \$119.65 | \$0.12   |
| Trucking     |           |         |         |          |          |          |          |
| Pitt Ohio    | N/A       | N/A     | N/A     | N/A      | N/A      | N/A      | N/A      |
| Express      |           |         |         |          |          |          |          |
| New Penn     | 1,931,946 | 7.9     | 215     | \$105.23 | \$6.87   | \$188.01 | \$0.87   |
| Motor        |           |         |         |          |          |          |          |
| Express      |           |         |         |          |          |          |          |

| Carrier   | % Trucks | % Tractors | % Trailers | Outside Vehicle Maintenance per |
|-----------|----------|------------|------------|---------------------------------|
|           | Owned    | Owned      | Owned      | Truck/Tractor                   |
| Quast     | N/A      | 100%       | 100%       | \$3,834                         |
| Transfer  |          |            |            |                                 |
| Dixie     | 100%     | 91%        | 100%       | \$1,277                         |
| Trucking  |          |            |            |                                 |
| Co.       |          |            |            |                                 |
| Oliver    | 0%       | 12%        | 100%       | \$7,058                         |
| Trucking  |          |            |            |                                 |
| Pitt Ohio | N/A      | N/A        | N/A        | N/A                             |
| Express   |          |            |            |                                 |
| New Penn  | 100%     | 100%       | 100%       | \$1,212                         |
| Motor     |          |            |            | , ,                             |
| Express   |          |            |            |                                 |

### $GENERAL\ FREIGHT-LTL\ CARRIERS$

Table 5--General Freight (LTL) Carriers' Average Financial Performance: Five Most Profitable Carriers

| Carrier   | Operating    | Net Income   | Operating | Net Profit | Return on Equity |
|-----------|--------------|--------------|-----------|------------|------------------|
|           | Income       |              | Ratio     | Margin     |                  |
| Quast     | \$2,544,497  | \$1,013,557  | 94.18     | 2.32%      | 292.04%          |
| Transfer  |              |              |           |            |                  |
| Dixie     | \$1,784,736  | \$1,009,786  | 91.88     | 4.60%      | 272.99%          |
| Trucking  |              |              |           |            |                  |
| Co.       |              |              |           |            |                  |
| Oliver    | \$3,379,000  | \$3,569,000  | 93.34     | 7.04%      | 66.35%           |
| Trucking  |              |              |           |            |                  |
| Pitt Ohio | \$18,916,748 | \$17,507,894 | 86.36     | 12.62%     | 65.34%           |
| Express   |              |              |           |            |                  |
| New Penn  | \$41,980,903 | \$25,225,338 | 79.35     | 12.41%     | 46.40%           |
| Motor     |              |              |           |            |                  |
| Express   |              |              |           |            |                  |

Table 6--General Freight (LTL) Carriers' Average Size and Operating Performance: Five Largest Carriers

| Carrier        | Location    | Revenue         | Units  | Assets        | Tons      | Ton-miles |
|----------------|-------------|-----------------|--------|---------------|-----------|-----------|
|                |             |                 | in     |               | carried   | (in       |
|                |             |                 | Fleet  |               |           | millions) |
| Roadway        | Akron, OH   | \$2,577,328,172 | 51,440 | \$758,137,595 | 7,964,230 | 10,407    |
| Express        |             |                 |        |               |           |           |
| Yellow         | Overland    | \$2,509,537,231 | 36,931 | \$957,295,861 | 8,610,393 | 10,821    |
| Freight        | Park, KS    |                 |        |               |           |           |
| System         |             |                 |        |               |           |           |
| Consolidated   | Portland,   | \$2,187,801,128 | N/A    | \$873,282,570 | 6,944,170 | 8,814     |
| Freightways    | OR          |                 |        |               |           |           |
| Roadway        | Pittsburgh, | \$1,581,754,000 | N/A    | N/A           | N/A       | N/A       |
| Package        | PA          |                 |        |               |           |           |
| System         |             |                 |        |               |           |           |
| Con-Way        | Portland,   | \$1,359,549,513 | 27,670 | \$721,134,178 | 6,017,052 | 2,992     |
| Transportation | OR          |                 |        |               |           |           |
| Svcs.          |             |                 |        |               |           |           |

| Carrier        | Total      | Average | Average | Revenue  | Revenue  | Revenue  | Revenue  |
|----------------|------------|---------|---------|----------|----------|----------|----------|
|                | Shipments  | Load    | Haul    | Per      | Per Mile | Per Ton  | Per Ton- |
|                |            | (Tons)  | (Miles) | Shipment |          |          | Mile     |
| Roadway        | 15,294,805 | 21.50   | 1,307   | \$168.51 | \$5.32   | \$323.61 | \$0.25   |
| Express        |            |         |         |          |          |          |          |
| Yellow         | 14,840,108 | 19.54   | 1,257   | \$169.11 | \$4.53   | \$291.45 | \$0.23   |
| Freight        |            |         |         |          |          |          |          |
| System         |            |         |         |          |          |          |          |
| Consolidated   | 12,668,499 | 20.73   | 1,269   | \$172.70 | \$5.15   | \$315.06 | \$0.25   |
| Freightways    |            |         |         |          |          |          |          |
| Roadway        | N/A        | N/A     | N/A     | N/A      | N/A      | N/A      | N/A      |
| Package        |            |         |         |          |          |          |          |
| System         |            |         |         |          |          |          |          |
| Con-Way        | 10,981,572 | 9.54    | 497     | \$123.80 | \$4.33   | \$225.95 | \$0.45   |
| Transportation |            |         |         |          |          |          |          |
| Svcs.          |            |         |         |          |          |          |          |

### GENERAL FREIGHT – LTL CARRIERS

Table 6--General Freight (LTL) Carriers' Average Size and Operating Performance: Five Largest Carriers (Continued)

| Carrier        | % Trucks | % Tractors | % Trailers | Outside Vehicle Maintenance |
|----------------|----------|------------|------------|-----------------------------|
|                | Owned    | Owned      | Owned      | per Truck/Tractor           |
| Roadway        | 100%     | 100%       | 100%       | \$4,863                     |
| Express        |          |            |            |                             |
| Yellow Freight | 100%     | 95%        | 100%       | \$3,429                     |
| System         |          |            |            |                             |
| Consolidated   | 100%     | 89%        | 100%       | \$1,269                     |
| Freightways    |          |            |            |                             |
| Roadway        | N/A      | N/A        | N/A        | N/A                         |
| Package        |          |            |            |                             |
| System         |          |            |            |                             |
| Con-Way        | N/A      | N/A        | N/A        | \$497                       |
| Transportation |          |            |            |                             |
| Services       |          |            |            |                             |

Table 7--General Freight (LTL) Carriers' Average Financial Performance: Five Largest Carriers

| Carrier        | Operating     | Net Income   | Operating | Net Profit | Return on |
|----------------|---------------|--------------|-----------|------------|-----------|
|                | Income        |              | Ratio     | Margin     | Equity    |
| Roadway        | \$56,111,358  | \$34,516,254 | 97.82     | 1.34%      | 13.78%    |
| Express        |               |              |           |            |           |
| Yellow         | \$76,415,477  | \$36,944,625 | 96.95     | 1.47%      | 8.85%     |
| Freight        |               |              |           |            |           |
| System         |               |              |           |            |           |
| Consolidated   | \$50,836,624  | \$29,841,855 | 97.68     | 1.36%      | 15.58%    |
| Freightways    |               |              |           |            |           |
| Roadway        | N/A           | N/A          | 89.50     | N/A        | N/A       |
| Package        |               |              |           |            |           |
| System         |               |              |           |            |           |
| Con-Way        | \$154,448,671 | \$71,874,104 | 88.64     | 5.29%      | 23.45%    |
| Transportation |               |              |           |            |           |
| Svcs.          |               |              |           |            |           |

Table 8--General Freight (LTL) Carriers' Average Size and Operating Performance: Five Smallest Carriers

| Carrier     | Location    | Revenue      | Units | Assets      | Tons    | <b>Ton-miles</b> |
|-------------|-------------|--------------|-------|-------------|---------|------------------|
|             |             |              | in    |             | carried |                  |
|             |             |              | Fleet |             |         |                  |
| Lewis Truck | Fargo, ND   | \$10,831,342 | 429   | \$3,636,072 | 65,167  | 16,833,043       |
| Lines       |             |              |       |             |         |                  |
| Widener     | Morristown, | \$13,663,361 | 455   | \$2,057,376 | 230,384 | 142,432,070      |
| (Roy) Motor | TN          |              |       |             |         |                  |
| Lines       |             |              |       |             |         |                  |
| Brennan     | Burlington, | \$15,015,958 | 486   | \$6,182,914 | 416,180 | N/A              |
| Trans. Svc. | NJ          |              |       |             |         |                  |
| Ace         | Jackson, TN | \$15,380,763 | 288   | \$4,586,963 | N/A     | N/A              |
| Trucking    |             |              |       |             |         |                  |
| Next Day    | St. Louis,  | \$18,680,540 | 340   | \$7,442,772 | 105,832 | N/A              |
| Motor       | MO          |              |       |             |         |                  |
| Freight     |             |              |       |             |         |                  |

| Carrier     | Total     | Average | Average | Revenue  | Revenue  | Revenue  | Revenue  |
|-------------|-----------|---------|---------|----------|----------|----------|----------|
|             | Shipments | Load    | Haul    | Per      | Per Mile | Per Ton  | Per Ton- |
|             |           | (Tons)  | (Miles) | Shipment |          |          | Mile     |
| Lewis Truck | 115,515   | 3.7     | 258     | \$93.77  | \$2.36   | \$166.21 | \$0.64   |
| Lines       |           |         |         |          |          |          |          |
| Widener     | 23,973    | 10.4    | 618     | N/A      | \$1.00   | \$59.31  | \$0.10   |
| (Roy) Motor |           |         |         |          |          |          |          |
| Lines       |           |         |         |          |          |          |          |
| Brennan     | 115,590   | N/A     | N/A     | \$129.91 | \$2.45   | \$36.08  | N/A      |
| Trans. Svc. |           |         |         |          |          |          |          |
| Ace         | N/A       | N/A     | N/A     | N/A      | \$0.98   | N/A      | N/A      |
| Trucking    |           |         |         |          |          |          |          |
| Next Day    | 183,648   | N/A     | N/A     | \$101.72 | \$2.97   | \$176.51 | N/A      |
| Motor       |           |         |         |          |          |          |          |
| Freight     |           |         |         |          |          |          |          |

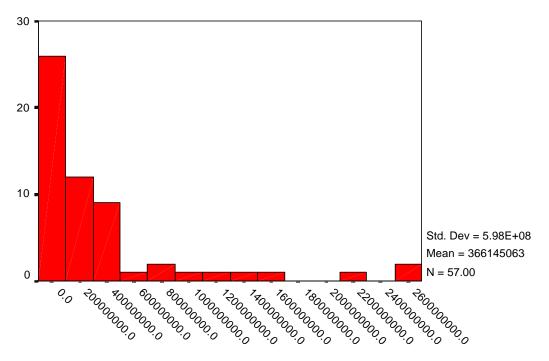
Table 8--General Freight (LTL) Carriers' Average Size and Operating Performance: Five Smallest Carriers (Continued)

| Carrier                         | % Trucks<br>Owned | % Tractors Owned | % Trailers<br>Owned | Outside Vehicle Maintenance<br>per Truck/Tractor |
|---------------------------------|-------------------|------------------|---------------------|--|
| Lewis Truck<br>Lines            | 100%              | 43%              | 100%                | \$5,564  |
| Widener<br>(Roy) Motor<br>Lines | N/A               | 0%               | 100%                | N/A  |
| Brennan<br>Trans. Svc.          | 82%               | 70%              | 100%                | \$821  |
| Ace<br>Trucking                 | N/A               | 48%              | 100%                | \$393  |
| Next Day<br>Motor<br>Freight    | 100%              | 85%              | 100%                | \$2,904  |

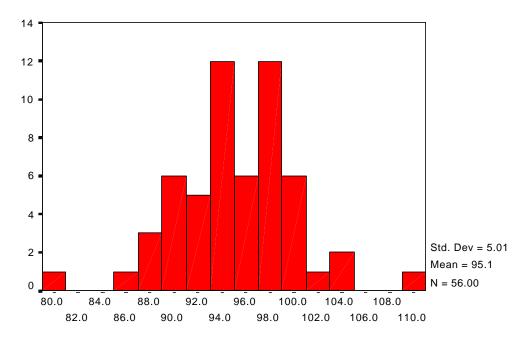
Table 9--General Freight (LTL) Carriers' Average Financial Performance: Five Smallest Carriers

| Carrier     | Operating  | Net        | Operating | Net    | Return on Equity |
|-------------|------------|------------|-----------|--------|------------------|
|             | Income     | Income     | Ratio     | Profit |                  |
|             |            |            |           | Margin |                  |
| Lewis Truck | -\$293,695 | -\$361,236 | 102.71    | -3.34% | 18.82%           |
| Lines       |            |            |           |        |                  |
| Widener     | -\$553,442 | -\$740,025 | 104.05    | -5.42% | N/A              |
| (Roy) Motor |            |            |           |        |                  |
| Lines       |            |            |           |        |                  |
| Brennan     | \$176,231  | -\$152,824 | 98.83     | -1.02% | -22.45%          |
| Trans. Svc. |            |            |           |        |                  |
| Ace         | -\$123,707 | -\$70,030  | 100.80    | -0.46% | -12.07%          |
| Trucking    |            |            |           |        |                  |
| Next Day    | \$405,490  | \$326,350  | 97.83     | 1.75%  | 6.21%            |
| Motor       |            |            |           |        |                  |
| Freight     |            |            |           |        |                  |

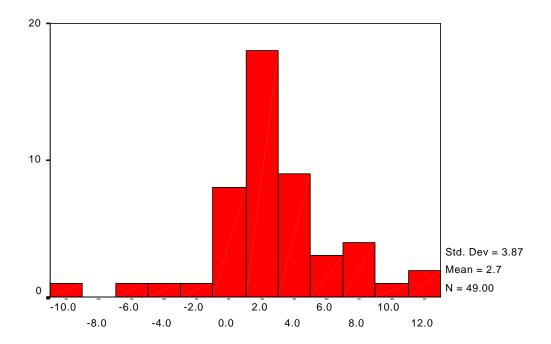
### Summary Charts and Graphs for General Freight – LTL Carriers



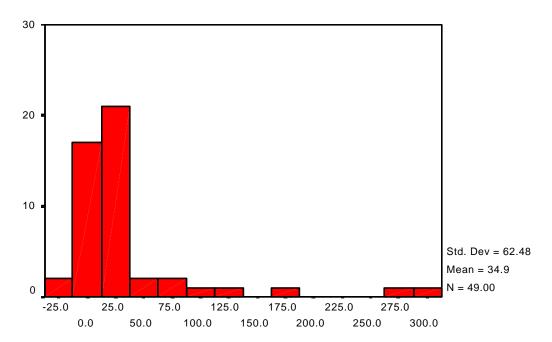
### Revenue



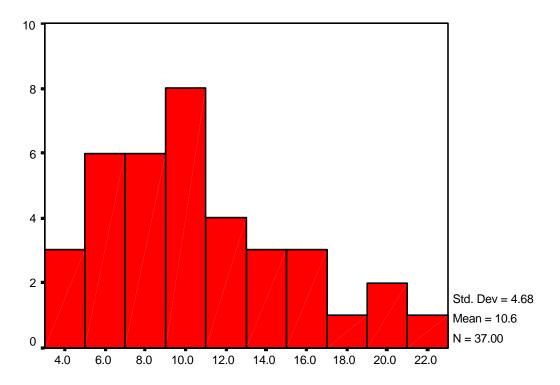
Operating Ratio



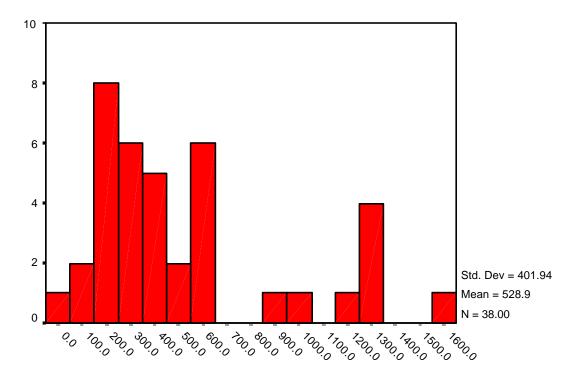
Net Profit Margin



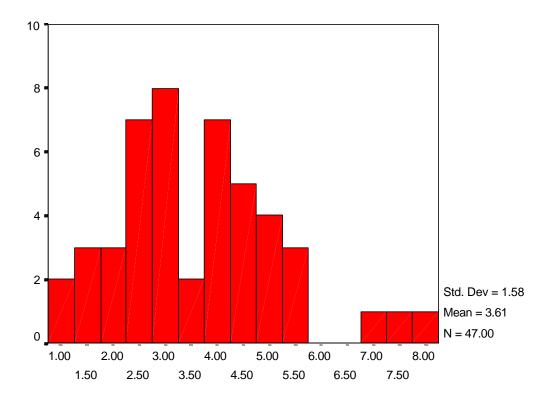
Return on Equity



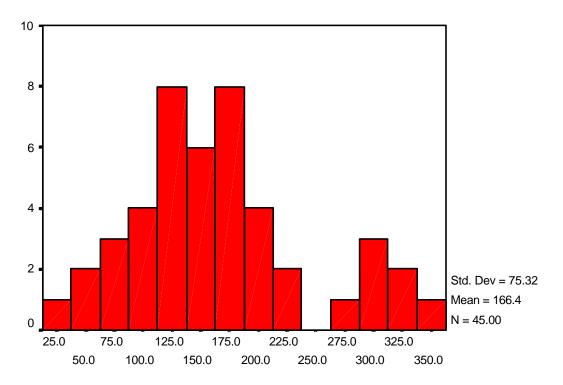
Average Load (Tons)



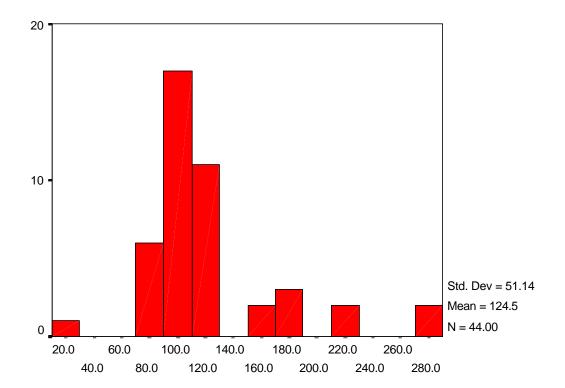
Average Haul (Miles)



### Revenue per Mile



Revenue per Ton



Revenue per Shipment

## Summary Data for General Freight – LTL Carriers

| General Freight - LTL<br>Carriers             |                     |             |                |               |                |
|---|---------------------|-------------|----------------|---------------|----------------|
| Descriptive Statistics                        | I I                 |             |                |               |                |
| ·   | Number of Companies | Minimum     | Maximum        | Mean          | Std. Deviation |
| Financial Summary                             |                     |             |                |               |                |
| Revenue                                       | 57                  | 11,000,000  | 2,600,000,000  | 370,000,000   | 600,000,000    |
| Expenses                                      | 56                  | 11,000,000  | 2,500,000,000  | 340,000,000   | 580,000,000    |
| Operating Income                              | 49                  | (2,247,360) | 150,000,000    | 19,000,000    | 29,000,000     |
| Net Income                                    | 49                  | (4,224,750) | 71,874,104     | 11,000,000    | 15,000,000     |
| Total Assets                                  | 49                  | 2,057,376   | 1,500,000,000  | 170,000,000   | 300,000,000    |
| Total Liabilities                             | 49                  | 1,805,561   | 680,000,000    | 91,000,000    | 160,000,000    |
| Total Equity                                  | 49                  | (3,073,985) | 1,100,000,000  | 81,000,000    | 180,000,000    |
| Operating Ratio                               | 56                  | 79          | 109            | 95            | 5              |
| Net Profit Margin                             | 49                  | -9%         | 13%            | 3%            | 4%             |
| Return on Equity                              | 49                  | -22%        | 292%           | 35%           | 62%            |
| Individual Expense Items                      |                     |             |                |               |                |
| Drivers and Helpers Wages                     | 15                  | 6,156,639   | 550,000,000    | 160,000,000   | 190,000,000    |
| Insurance                                     | 49                  | 4,089       | 61,786,791     | 8,978,771     | 15,000,000     |
| Outside Vehicle Maintenance                   | 49                  | -           | 46,014,640     | 4,242,370     | 8,876,739      |
| Purchased Transportation                      | 57                  | -           | 130,000,000    | 8,584,005     | 21,000,000     |
| Fleet Composition                             |                     |             |                |               |                |
| (Items as a percent of total)                 |                     |             |                |               |                |
| Trucks Owned                                  | 47                  | 0%          | 100%           | 81%           | 38%            |
| Trucks Leased                                 | 47                  | 0%          | 100%           | 19%           | 38%            |
| Tractors Owned                                | 47                  | 0%          | 100%           | 74%           | 34%            |
| Tractors Leased                               | 47                  | 0%          | 100%           | 26%           | 34%            |
| Trailers Owned                                | 47                  | 100%        | 100%           | 100%          | 0%             |
| Trailers Leased                               | 47                  | 0%          | 0%             | 0%            | 0%             |
| Operating Statistics                          |                     |             |                |               |                |
| Total Units in Fleet                          | 47                  | 134         | 51,440         | 7,049         | 11,639         |
| Total Highway Miles                           | 48                  | 4,593,280   | 550,000,000    | 92,000,000    | 130,000,000    |
| Total Tons Carried                            | 46                  | 65,167      | 8,610,393      | 1,764,135     |                |
| Total Ton-Miles                               | 38                  | 8,633,626   | 11,000,000,000 | 1,500,000,000 | 2,700,000,000  |
| Total Shipments                               | 46                  | 23,973      | 15,000,000     | 2,750,950     | 3,936,616      |
| Revenue per Mile                              | 47                  | \$0.98      | \$7.99         | \$3.61        | \$1.58         |
| Revenue per Ton                               | 45                  | \$36.08     | \$359.60       | \$166.37      | \$75.32        |
| Revenue per Shipment                          | 44                  | \$28.49     | \$287.71       | \$124.51      | \$51.14        |
| Revenue per Ton-Mile                          | 38                  | \$0.10      | \$2.54         | \$0.48        | \$0.41         |
| Average Load (Tons)                           | 37                  | 4           | 22             | 11            | 5              |
| Average Haul (Miles)                          | 38                  | 29          | 1,551          | 529           | 402            |
| Outside Vehicle Maintenance per Truck/Tractor | 42                  | -           | 7,058          | 2,371         | 1,818          |
| Valid N (listwise)                            | 13                  |             |                |               |                |

### IV. GENERAL FREIGHT - SMALL CARRIERS

### Overview of Carriers

A total of 1040 firms in the General Freight (Truckload) industry segment reported \$26.26 Billion in annual revenues for 1997 (Table 10). Dividing this segment into three groups, based on total revenues, we find that the small-sized tier of the carriers generates \$1.4 Billion in revenues. This subtotal accounts for 5.5% of the total revenues in the General Freight industry segment. The remainder of this section focuses on the small-sized General Freight firm tier.

The revenues for the five largest firms in this sub segment account for 2.1% of the sub segment's total revenue. The largest firm in this sub segment, Howes & Howes, generated 0.4% of the segment's total revenue. The five largest firms in this industry sub segment account for 2.7% of the sub segment's total assets and 1.8% of the sub segment's total units in the fleet (Table 14).

The information summarized above suggests that there is a low level of concentration in this industry segment. This high level of disaggregation is reflected in the negative net incomes reported by three of the five largest firms in the sub segment. Despite this, the average net income among the five largest firms in the sub segment is \$182,685, resulting in an average net profit margin of 3% (Table 15). Three of the five smallest carriers in the sub segment reported positive net incomes (Table 17). This is a further indication that despite the high level of competition that firms can generate positive net incomes that might be caused by certain managerial practices.

Overall, the average net profit margin for firms in this sub segment was 2.5%. In addition, the average return on equity was 19.9% (Table 11). The five firms with the highest return on equity ratios had an average of 308.1% (Table 13). This indicates that these firms were about 16 times more effective in returning value to their shareholders with respect to the average firm in this industry sub segment. These firms are 1.4 times smaller than the five largest firms in the sub segment. Indeed, the total revenue of the 5 largest firms in the sub segment is \$30.3 Million (Table 14), while the total revenue of the 5 most profitable firms is \$21.5 Million (Table 12). Thus, carriers in this industry sub segment do not necessarily enjoy profitability advantages associated with the size of their operations.

Carriers in this sub segment handled on average 25,360 shipments and 155,649 tons of freight and produced 13.3 Million ton-miles on average. Their average load was14.4 tons and 63 firms reported an average length of haul of 464 miles (Tables 10 and 11). Three of the five largest carriers in the sub segment reported information about the amount of tons produced. On average, these carriers generated 1.2 times the average number of tons carried in this industry sub segment (Table 12).

On average, carriers in this sub segment owned 73% of their trucks; 60% of their tractors; and 74% of their trailers (Table 10). All of the five largest carriers in this sub segment reported tractor ownership information. Four of the five carriers owned a substantial

portion of their tractors (between 68 and 88%). On the other hand, one carrier, G.&R.G, owned only 45% of its tractors (Table 14).

Four of five most profitable firms in the sub segment reported information about their tractor ownership. One firm owned 100% of its tractors (B&H Freight Line), while the other three firms owned only between 10 and 17% of their tractors. This suggests a bipolar strategy with an emphasis either on company drivers or owner operators (Table 12). Furthermore, there is variation among four of the five smallest companies in the sub segment in their truck-tractor ownership patterns. Two of the firms in the sub segment reporting tractor ownership relied on their own company drivers (Table 16), while the other two firms relied exclusively on owner operators. Again, this suggests that small firms in this sub segment are pursuing a bipolar strategy in their truck-tractor ownership patterns.

One important performance dimension in the transportation sector is firm operating ratio, which compares operating expenses to operating revenues. Among all firms in this sub segment, the average operating ratio is 96.7% (Table 11). Among the five most profitable firms in the sub segment (Table 13), based on return on equity, operating ratio ranged from a low of 62.7% (B&H Freight Line) to a high of 127% (Birdsall). On average, the five most profitable firms in the sub segment reported an operating ratio of 93.4%.

Among the five largest carriers (Table 15), the largest, Howes & Howes, had an operating ratio of 76.4%, the lowest among all the largest firms in this sub segment. On average, the five largest firms in the sub segment reported an operating ratio of 90.6%. On the other hand, two of the four smallest carriers reporting operating ratios (Table 17) had operating ratios below 100. The other two firms had operating rations above 100. The firm with the lowest operating ratio, Recktenwald, had a ratio of 78.3 percent. On average, four of the five smallest firms in the sub segment reported an average operating ratio of 102.3%. Firms in the small-sized segment of the General-Freight Carrier industry seem to have poorer operating performance in comparison with the largest and the medium-sized firms in that segment. The operating ratios within the small-sized sub segment in the industry also appear to indicate that firm size is an important factor in achieving high operating performance.

Table 10-- General Freight (Truckload) Small-Sized Carriers' Average Size and Operating Performance

|                        | Number of | Total           |
|------------------------|-----------|-----------------|
|                        | Companies |                 |
|                        | Reporting |                 |
| Revenue                | 341       | \$1,443,310,537 |
| Units in Fleet         | 334       | 35,487          |
| Assets                 | 339       | \$639,066,835   |
| Tons Carried           | 193       | 30,040,331      |
| Ton-Miles              | 215       | 2,864,936,308   |
| Shipments              | 207       | 5,249,632       |
|                        |           | Average         |
| Size of Load (Tons)    | 68        | 14.43           |
| Length of Haul (Miles) | 63        | 464             |
|                        |           | Average         |
| Revenue Per Mile       | 258       | \$1.75          |
| Revenue Per Ton        | 159       | \$54.39         |
| Revenue Per Ton-Mile   | 67        | \$0.23          |
|                        |           | Average         |
| % of Trucks Owned      | 116       | 73%             |
| % of Tractors Owned    | 307       | 60%             |
| % of Trailers Owned    | 313       | 74%             |
| Outside Vehicle        | 279       | \$5,447         |
| Maintenance per        |           |                 |
| Truck/Tractor          |           |                 |

Table 11-- General Freight (Truckload) Small-Sized Carriers' Average Financial Performance

| Operating Income  | \$148,023 |
|-------------------|-----------|
| Net Income        | \$158,282 |
| Operating Ratio   | 96.70     |
| Net Profit Margin | 2.52%     |
| Return on Equity  | 19.90%    |

Table 12-- General Freight (Truckload) Small-Sized Carriers' Average Size and Operating Performance: Five Most Profitable Carriers

| Carrier      | Location       | Revenue     | Units in | Assets       | Tons    | Ton-miles |
|--------------|----------------|-------------|----------|--------------|---------|-----------|
|              |                |             | Fleet    |              | carried |           |
| T.H.         | Berne, MO      | \$5,012,859 | 17       | \$609,380    | 51,875  | N/A       |
| Transport    |                |             |          |              |         |           |
| Birdsall     | Riviera Beach, | \$5,949,528 | 70       | \$51,327,779 | 546,744 | N/A       |
|              | FL             |             |          |              |         |           |
| B & H        | Harrisonville, | \$4,322,601 | 128      | \$776,735    | N/A     | N/A       |
| Freight Line | MO             |             |          |              |         |           |
| KS&D         | Woodward,      | \$2,555,003 | N/A      | \$1,024,830  | N/A     | N/A       |
| Rentals      | OK             |             |          |              |         |           |
| Hydra        | Sacramento,    | \$3,670,486 | 113      | \$1,391,903  | N/A     | N/A       |
| Trucking     | CA             |             |          |              |         |           |

| Carrier   | Total<br>Shipments | Average<br>Load | Average<br>Haul | Revenue<br>Per | Revenue<br>Per Mile | Revenue<br>Per Ton | Revenue<br>Per Ton- |
|-----------|--------------------|-----------------|-----------------|----------------|---------------------|--------------------|---------------------|
|           | ~ <b>p</b>         | (Tons)          | (Miles)         | Shipment       | 2 02 1/220          | 1 41 1 41          | Mile                |
| T.H.      | 2,500              | N/A             | N/A             | \$2,005.14     | \$1.16              | \$96.33            | N/A                 |
| Transport |                    |                 |                 |                |                     |                    |                     |
| Birdsall  | 36,400             | N/A             | N/A             | \$163.45       | N/A                 | \$10.88            | N/A                 |
| B & H     | 57,936             | N/A             | N/A             | \$74.61        | \$5.76              | N/A                | N/A                 |
| Freight   |                    |                 |                 |                |                     |                    |                     |
| Line      |                    |                 |                 |                |                     |                    |                     |
| KS&D      | N/A                | N/A             | N/A             | N/A            | N/A                 | N/A                | N/A                 |
| Rentals   |                    |                 |                 |                |                     |                    |                     |
| Hydra     | N/A                | N/A             | N/A             | N/A            | N/A                 | N/A                | N/A                 |
| Trucking  |                    |                 |                 |                |                     |                    |                     |

Table 12-- General Freight (Truckload) Small-Sized Carriers' Average Size and Operating Performance: Five Most Profitable Carriers (Continued)

| Carrier      | % Trucks<br>Owned | % Tractors<br>Owned | % Trailers<br>Owned | Outside Vehicle<br>Maintenance per<br>Truck/Tractor |
|--------------|-------------------|---------------------|---------------------|---|
| T.H.         | N/A               | 13%                 | 0%                  | \$31,439  |
| Transport    |                   |                     |                     |   |
| Birdsall     | N/A               | 10%                 | N/A                 | \$948   |
| B & H        | N/A               | 100%                | 100%                | \$2,946   |
| Freight Line |                   |                     |                     |   |
| K S & D      | N/A               | N/A                 | N/A                 | N/A   |
| Rentals      |                   |                     |                     |   |
| Hydra        | N/A               | 17%                 | 10%                 | \$54,174  |
| Trucking     |                   |                     |                     |   |

Table 13-- General Freight (Truckload) Small-Sized Carriers' Average Financial Performance: Five Most Profitable Carriers

| Carrier   | Operating    | Net Income   | Operating | Net Profit | Return on |
|-----------|--------------|--------------|-----------|------------|-----------|
|           | Income       |              | Ratio     | Margin     | Equity    |
| T.H.      | \$371,851    | \$982,730    | 92.58     | 19.60%     | 349.50%   |
| Transport |              |              |           |            |           |
| Birdsall  | -\$1,611,011 | \$15,630,892 | 127.08    | N/A        | 333.23%   |
| B & H     | \$1,609,876  | \$1,752,179  | 62.76     | 40.54%     | 321.42%   |
| Freight   |              |              |           |            |           |
| Line      |              |              |           |            |           |
| K S & D   | \$331,527    | \$270,106    | 87.02     | 10.57%     | 289.96%   |
| Rentals   |              |              |           |            |           |
| Hydra     | \$95,482     | \$936,033    | 97.40     | 25.50%     | 246.22%   |
| Trucking  |              |              |           |            |           |

Table 14-- General Freight (Truckload) Small-Sized Carriers' Average Size and Operating Performance: Five Largest Carriers

| Carrier        | Location      | Revenue     | Units in Fleet | Assets      | Tons carried | Ton-miles  |
|----------------|---------------|-------------|----------------|-------------|--------------|------------|
| Howes &        | Mesick, MI    | \$6,087,446 | 153            | \$2,354,176 | N/A          | N/A        |
| Howes          |               |             |                |             |              |            |
| Trucking       |               |             |                |             |              |            |
| United         | N. Dartmouth, | \$6,074,862 | 80             | \$2,461,442 | N/A          | N/A        |
| Express        | MA            |             |                |             |              |            |
| Service        |               |             |                |             |              |            |
| East-West      | Selmer, TN    | \$6,069,000 | 152            | \$6,185,000 | 79,000       | 94,245,000 |
| Motor Freight  |               |             |                |             |              |            |
| G. & R.G.      | Odessa, TX    | \$6,061,316 | 104            | \$3,519,622 | 250,657      | 63,709,760 |
| Garner         | Milton, WA    | \$6,051,270 | 157            | \$2,495,000 | 214,287      | N/A        |
| Transportation |               |             |                |             |              |            |

| Carrier        | Total     | Average | Average | Revenue    | Revenue  | Revenue | Revenue  |
|----------------|-----------|---------|---------|------------|----------|---------|----------|
|                | Shipments | Load    | Haul    | Per        | Per Mile | Per Ton | Per Ton- |
|                |           | (Tons)  | (Miles) | Shipment   |          |         | Mile     |
| Howes &        | N/A       | N/A     | N/A     | N/A        | N/A      | N/A     | N/A      |
| Howes          |           |         |         |            |          |         |          |
| Trucking       |           |         |         |            |          |         |          |
| United Express | N/A       | N/A     | N/A     | N/A        | \$1.73   | N/A     | N/A      |
| Service        |           |         |         |            |          |         |          |
| East-West      | 3,000     | 22.50   | 1,200   | \$2,232.72 | \$1.45   | \$77.27 | \$0.06   |
| Motor Freight  |           |         |         |            |          |         |          |
| G. & R.G.      | 11,487    | 9.55    | 254     | \$527.67   | \$0.91   | \$24.18 | \$0.10   |
| Garner         | 8,050     | N/A     | N/A     | \$751.71   | \$1.38   | \$28.24 | N/A      |
| Transportation |           |         |         |            |          |         |          |

Table 14-- General Freight (Truckload) Small-Sized Carriers' Average Size and Operating Performance: Five Largest Carriers (Continued)

| Carrier        | % Trucks<br>Owned | % Tractors<br>Owned | % Trailers<br>Owned | Outside Vehicle<br>Maintenance per<br>Truck/Tractor |
|----------------|-------------------|---------------------|---------------------|---|
| Howes &        | 100%              | 68%                 | 98%                 | N/A   |
| Howes          |                   |                     |                     |   |
| Trucking       |                   |                     |                     |   |
| United         | N/A               | 69%                 | 90%                 | \$9,920   |
| Express        |                   |                     |                     |   |
| Service        |                   |                     |                     |   |
| East-West      | N/A               | 88%                 | 100%                | \$4,276   |
| Motor Freight  |                   |                     |                     |   |
| G. & R.G.      | N/A               | 45%                 | 69%                 | \$1,446   |
| Garner         | N/A               | 70%                 | 85%                 | \$8,263   |
| Transportation |                   |                     |                     |   |

Table 15-- General Freight (Truckload) Small-Sized Carriers' Average Financial Performance: Five Largest Carriers

| Carrier        | Operating   | Net Income | Operating | Net Profit | Return on Equity |
|----------------|-------------|------------|-----------|------------|------------------|
|                | Income      |            | Ratio     | Margin     |                  |
| Howes &        | \$1,434,490 | \$963,089  | 76.44     | 15.82%     | 99.23%           |
| Howes          |             |            |           |            |                  |
| Trucking       |             |            |           |            |                  |
| United         | \$18,373    | -\$121,039 | 99.70     | -1.99%     | -19.79%          |
| Express        |             |            |           |            |                  |
| Service        |             |            |           |            |                  |
| East-West      | \$146,000   | -\$3,000   | 97.60     | -0.05%     | -0.05%           |
| Motor Freight  |             |            |           |            |                  |
| G. & R.G.      | \$1,236,701 | \$214,248  | 79.60     | 3.53%      | 24.92%           |
| Garner         | \$24,004    | -\$139,871 | 99.60     | -2.31%     | -73.91%          |
| Transportation |             |            |           |            |                  |

Table 16-- General Freight (Truckload) Small-Sized Carriers' Average Size and Operating Performance: Five Smallest Carriers (Continued)

| Carrier        | Location      | Revenue   | Units    | Assets      | Tons carried | Ton-miles |
|----------------|---------------|-----------|----------|-------------|--------------|-----------|
|                |               |           | in Fleet |             |              |           |
| Recktenwald    | Buffalo, NY   | \$76,500  | 2        | \$415,769   | N/A          | N/A       |
| (Richard C.)   |               |           |          |             |              |           |
| Pam Oil        | Sioux Falls,  | \$137,999 | 124      | \$32,736    | 68,041       | N/A       |
|                | SD            |           |          |             |              |           |
| H&H Bulk       | Indianapolis, | \$427,368 | 106      | \$2,397,978 | N/A          | N/A       |
| Transport      | IN            |           |          |             |              |           |
| Hawkey         | Redding, CA   | \$466,512 | 51       | \$1,545,285 | 9,334        | 1,676,753 |
| Transportation | _             |           |          |             |              |           |
| Beaver Express | Woodward,     | \$668,957 | N/A      | \$3,008,070 | 2,533        | N/A       |
| Service        | OK            |           |          |             |              |           |

| Carrier        | Total     | Average | Average | Revenue    | Revenue  | Revenue  | Revenue    |
|----------------|-----------|---------|---------|------------|----------|----------|------------|
|                | Shipments | Load    | Haul    | Per        | Per Mile | Per Ton  | Per Ton-   |
|                |           | (Tons)  | (Miles) | Shipment   |          |          | Mile       |
| Recktenwald    | 125       | N/A     | N/A     | \$612.00   | \$3.06   | N/A      | \$612.00   |
| (Richard C.)   |           |         |         |            |          |          |            |
| Pam Oil        | 4,316     | N/A     | N/A     | \$31.97    | \$0.04   | \$2.03   | \$31.97    |
| H&H Bulk       | N/A       | N/A     | N/A     | N/A        | \$0.13   | N/A      | N/A        |
| Transport      |           |         |         |            |          |          |            |
| Hawkey         | 383       | 24.37   | 179.64  | \$1,218.05 | \$6.78   | \$49.98  | \$1,218.05 |
| Transportation |           |         |         |            |          |          |            |
| Beaver         | 25,260    | N/A     | N/A     | \$26.48    | \$3.54   | \$264.10 | \$26.48    |
| Express        | ·         |         |         |            |          |          |            |
| Service        |           |         |         |            |          |          |            |

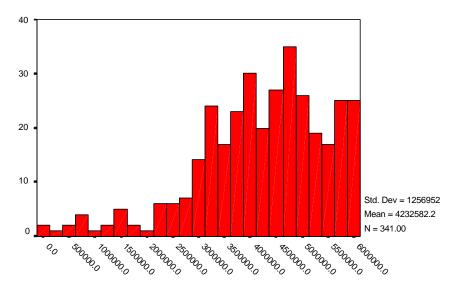
Table 16-- General Freight (Truckload) Small-Sized Carriers' Average Size and Operating Performance: Five Smallest Carriers (Continued)

| Carrier                   | % Trucks<br>Owned | % Tractors<br>Owned | % Trailers<br>Owned | Outside Vehicle<br>Maintenance per<br>Truck/Tractor |
|---------------------------|-------------------|---------------------|---------------------|---|
| Recktenwald (Richard C.)  | N/A               | N/A                 | 0%                  | N/A   |
| Pam Oil                   | 0%                | 0%                  | 100%                | \$6,979   |
| H&H Bulk<br>Transport     | 100%              | 0%                  | 100%                | \$285   |
| Hawkey<br>Transportation  | 100%              | 94%                 | 0%                  | \$740   |
| Beaver Express<br>Service | N/A               | N/A                 | N/A                 | N/A   |

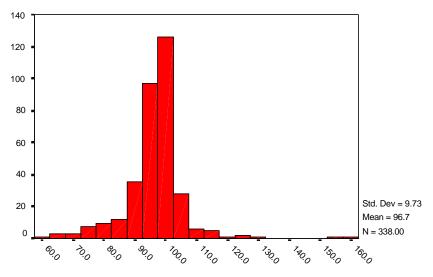
Table 17-- General Freight (Truckload) Small-Sized Carriers' Average Financial Performance: Five Smallest Carriers

| Carrier        | Operating    | Net Income   | Operating | Net Profit | Return on Equity |
|----------------|--------------|--------------|-----------|------------|------------------|
|                | Income       |              | Ratio     | Margin     |                  |
| Recktenwald    | \$16,604     | \$134,453    | 78.30     | N/A        | 48.46%           |
| (Richard C.)   |              |              |           |            |                  |
| Pam Oil        | -\$4,547,661 | -\$4,547,661 | N/A       | N/A        | N/A              |
| H&H Bulk       | -\$33,392    | -\$39,114    | 107.81    | -9.15%     | -4.74%           |
| Transport      |              |              |           |            |                  |
| Hawkey         | \$16,047     | \$16,824     | 96.56     | 3.61%      | 1.40%            |
| Transportation |              |              |           |            |                  |
| Beaver         | -\$190,133   | \$2,911,973  | 128.42    | N/A        | 116.75%          |
| Express        |              |              |           |            |                  |
| Service        |              |              |           |            |                  |

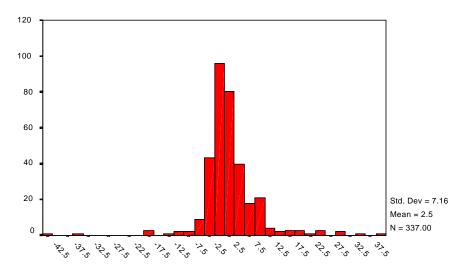
## Summary Charts and Graphs for General Freight – Small Carriers



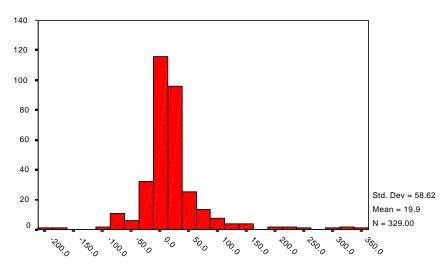
### Revenue



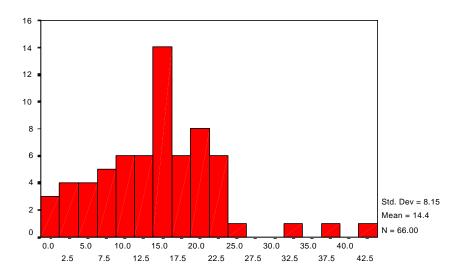
**Operating Ratio** 



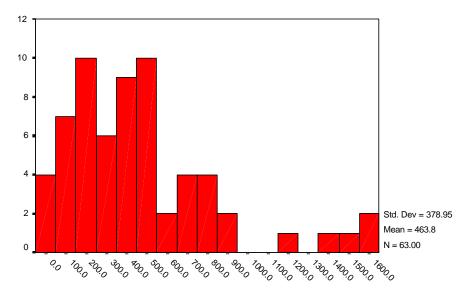
### Net Profit Margin



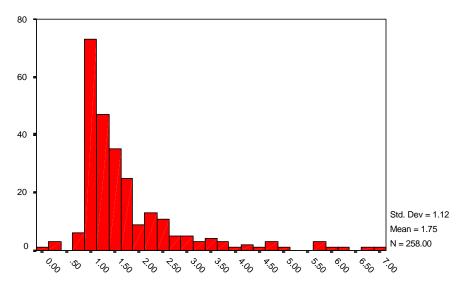
Return on Equity



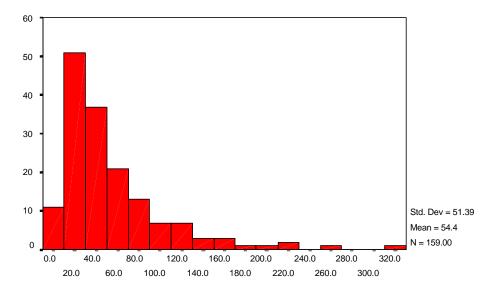
Average Load (Tons)



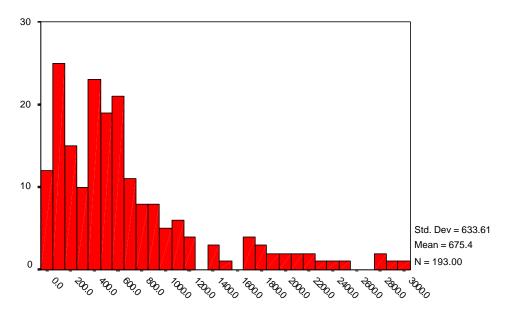
Average Haul (Miles)



### Revenue per Mile



Revenue per Ton



Revenue per Shipment

# Summary Data for General Freight – Small Carriers

| General Small TL Carriers     |                     |             |             |            |                |
|-------------------------------|---------------------|-------------|-------------|------------|----------------|
| Descriptive Statistics        |                     |             |             |            |                |
| ·                             | Number of Companies | Minimum     | Maximum     | Mean       | Std. Deviation |
| Financial Summary             |                     |             |             |            |                |
| Revenue                       | 341                 | 1,631       | 6,087,446   | 4,232,582  | 1,256,952      |
| Expenses                      | 342                 | 801         | 7,560,539   | 4,072,183  |                |
| Operating Income              | 342                 | (4,547,661) | 2,502,314   | 148,023    | 462,310        |
| Net Income                    | 342                 | (4,547,661) | 15,630,892  | 158,282    |                |
| Total Assets                  | 339                 | (50,890)    | 51,327,779  | 1,885,153  |                |
| Total Liabilities             | 338                 | (1,237,661) | 46,636,989  | 1,101,209  |                |
| Total Equity                  | 337                 | (3,399,407) | 33,428,492  | 7,896,679  | 2,027,486      |
| Operating Ratio               | 338                 | 58          | 158         | 97         | 10             |
| Net Profit Margin             | 337                 | -43%        | 41%         | 3%         | 7%             |
| Return on Equity              | 329                 | -190%       | 350%        | 20%        | 59%            |
| Individual Expense Items      |                     |             |             |            |                |
| Drivers and Helpers Wages     | 344                 | -           | 99,198,034  | 960,776    | 5,341,825      |
| Insurance                     | 324                 | 4,915       | 561,000     | 169,808    | 93,004         |
| Outside Vehicle Maintenance   | 289                 | -           | 1,126,000   | 164,687    |                |
| Purchased Transportation      | 344                 | (224,861)   | 6,727,805   | 990,137    | 1,212,141      |
| Fleet Composition             |                     |             |             |            |                |
| (Items as a percent of total) |                     |             |             |            |                |
| Trucks Owned                  | 116                 | 0%          | 100%        | 73%        | 41%            |
| Trucks Leased                 | 116                 | 0%          | 100%        | 27%        | 41%            |
| Tractors Owned                | 307                 | 0%          | 100%        | 60%        | 40%            |
| Tractors Leased               | 307                 | 0%          | 100%        | 40%        | 40%            |
| Trailers Owned                | 313                 | 0%          | 100%        | 74%        | 37%            |
| Trailers Leased               | 313                 | 0%          | 100%        | 26%        |                |
| Operating Statistics          |                     |             |             |            |                |
| Total Units in Fleet          | 334                 | -           | 556         | 106        | 71             |
| Total Highway Miles           | 291                 | -           | 6,878,925   | 2,709,334  |                |
| Total Tons Carried            | 193                 | -           | 3,008,500   | 155,649    |                |
| Total Ton-Miles               | 215                 | -           | 134,918,784 | 13,325,285 |                |
| Total Shipments               | 207                 | -           | 875,500     | 25,361     | 75,062         |
| Revenue per Mile              | 258                 | \$0.04      | \$7.10      | \$1.75     |                |
| Revenue per Ton               | 159                 | \$1.43      | \$323.46    | \$54.39    |                |
| Revenue per Shipment          | 193                 | \$3.34      | \$3,039.15  | \$675.40   |                |
| Revenue per Ton-Mile          | 67                  | \$0.03      | \$2.82      | \$0.23     |                |
| Average Load (Tons)           | 66                  | 1           | 44          | 14         |                |
| Average Haul (Miles)          | 63                  | 13          | 1,600       | 464        | 379            |
| Outside Vehicle Maintenance   | 279                 | -           | 54,174      | 5,447      | 6,284          |
| per Truck/Tractor             |                     |             |             |            |                |
| Valid N (listwise)            | 11                  |             |             |            |                |
| \/                            |                     |             |             |            | I              |

### V. GENERAL FREIGHT – MEDIUM-SIZED CARRIERS

### Overview of Carriers

A total of 1040 firms in the General Freight (Truckload) industry segment reported \$26.26 Billion in annual revenues for 1997 (Table 18). Dividing this segment into three groups, based on total revenues, we find that the mid-sized tier of the carriers generates \$2.9 Billion in revenues. This subtotal accounts for 10.9% of the total revenues in the General Freight industry segment. The remainder of this section focuses on the medium-sized General Freight firm tier.

The revenues for the five largest firms in this sub segment account for 1.9% of the sub segment's total revenue. The largest firm in this sub segment, B&T Mail Service, generated 0.4% of the segment's total revenue. The five largest firms in this industry sub segment account for 1.9% of the sub segment's total assets and 2.5% of the total units in the segment's fleet (Table 22).

The information summarized above suggests that there is a low level of concentration in this industry segment. In fact, across all firms in this sub segment, revenues varied from a minimum of \$6.1 Million to \$11 Million. Despite this high level of disaggregation, four of the five largest firms in the sub segment reported positive net incomes. The average net income among these four firms is \$177,535, resulting in an average net profit margin of 1.6% (Table 23). In addition, four of the five smallest carriers in the sub segment reported positive net profit margins. The highest profit margin among the five smallest firms in the sub segment was 7.6% (Table 25).

Overall, the average net profit margin for firms in this sub segment was 1.9%. In addition, the average return on equity was 16.4% (Table 19). The five firms with the highest return on equity ratios had an average of 118.2% (Table 21). This indicates that these firms were about 7 times more effective in returning value to their shareholders with respect to the average firm in this industry sub segment. These firms are 1.3 times smaller than the five largest firms in the sub segment. Indeed, the total revenue of the 5 largest firms in the sub segment is \$54.5 Million (Table 22), while the total revenue of the 5 most profitable firms is \$40.4 Million (Table 20). Thus, carriers in this industry sub segment do not necessarily enjoy profitability advantages associated with the size of their operations.

Carriers in this sub segment handled on average 25,415 shipments and 244,000 tons of freight and produced 31.6 Million ton-miles on average. Their average load was 14.1 tons and 87 firms reported an average length of haul of 476 miles (Tables 18 and 19). Among the five largest carriers in the sub segment, B&T Mail Service, generated approximately two times the average tons carried by firms in the sub segment but only 63% of the average ton-miles (Table 20) as a consequence of the firm's short average length of haul (38 miles).

On average, carriers in this sub segment owned 67% of their trucks; 54% of their tractors; and 67% of their trailers (Table 18). All of the five largest carriers in this sub segment

reported tractor ownership information. One carrier, Circle City Transport, owned 100% of its tractors, while another carrier, T.B.&P., owned none of its tractors (Table 22). The other three firms owned between 55 and 80% of their tractors.

The five most profitable firms in the sub segment varied widely in their tractor ownership patterns. One firm owned 100% of its tractors (Mount Vernon Mills), while the other four firms owned between 30 and 93% of their tractors. This suggests that a wide variety of tractor ownership strategies are being employed successfully in this sub segment. (Table 20). Furthermore, there is variation among the five smallest companies in the sub segment in their truck-tractor ownership patterns. Two of the five smallest firms in the sub segment reporting tractor ownership relied on their own company drivers (Table 24).

One important performance dimension in the transportation sector is firm operating ratio, which compares operating expenses to operating revenues. Among all firms in this sub segment, the average operating ratio is 95.9% (Table 19). Among the five most profitable firms in the sub segment (Table 21), based on return on equity, operating ratio ranged from a low of 83% (First-Class Service) to a high of 93% (WNK Express). Among the five largest carriers (Table 23), the largest, B&T Mail Services, had an operating ratio of 97.3%. Among this group of carriers, the one with the lowest operating ratio (Circle City Transport) had a ratio of 92.9%. Four of the five smallest carriers (Table 25) had operating ratios below 100% and the firm with the lowest operating ratio had a ratio of 86.1% (Super Van Service Company). Clearly, firms in the mid-sized segment of the General-Freight Carrier industry had poorer operating performance in comparison with the largest firms in that segment.

Table 18—General Freight (Truckload) Medium Sized Carriers' Average Size and Operating Performance

|                        | Number of Companies | Total           |
|------------------------|---------------------|-----------------|
|                        | Reporting           |                 |
| Revenue                | 348                 | \$2,866,092,039 |
| Units in Fleet         | 337                 | 62,017          |
| Assets                 | 344                 | \$1,146,514,554 |
| Tons Carried           | 216                 | 52,705,456      |
| Ton-Miles              | 248                 | 7,828,047,072   |
| Shipments              | 236                 | 5,998,033       |
|                        |                     | Average         |
| Size of Load (Tons)    | 92                  | 14.09           |
| Length of Haul (Miles) | 87                  | 476             |
|                        |                     | Average         |
| Revenue Per Mile       | 293                 | \$2.22          |
| Revenue Per Ton        | 186                 | \$61.32         |
| Revenue Per Ton-Mile   | 93                  | \$716.44        |
|                        |                     | Average         |
| % of Trucks Owned      | 122                 | 67%             |
| % of Tractors Owned    | 311                 | 54%             |
| % of Trailers Owned    | 322                 | 67%             |
| Outside Vehicle        | 299                 | \$5,760         |
| Maintenance per        |                     |                 |
| Truck/Tractor          |                     |                 |

Table 19—General Freight (Truckload) Medium-Sized Carriers' Average Financial Performance

| Operating Income  | \$353,754 |
|-------------------|-----------|
| Net Income        | \$181,323 |
| Operating Ratio   | 95.86     |
| Net Profit Margin | 1.87%     |
| Return on Equity  | 16.44%    |

Table 20—General Freight (Truckload) Medium-Sized Carriers' Average Size and Operating Performance: Five Most Profitable Carriers

| Carrier      | Location        | Revenue     | Units    | Assets      | Tons    | Ton-miles |
|--------------|-----------------|-------------|----------|-------------|---------|-----------|
|              |                 |             | in Fleet |             | carried |           |
| W&K Express  | River Grove, IL | \$7,430,835 | 129      | \$1,338,070 | N/A     | 9,143,456 |
| Mount Vernon | Ware Shoals,    | \$6,273,880 | 154      | \$1,437,918 | N/A     | N/A       |
| Mills        | SC              |             |          |             |         |           |
| Five Star    | Willoughby,     | \$8,721,235 | 102      | \$2,587,262 | 166,000 | N/A       |
| Trucking     | OH              |             |          |             |         |           |
| First Class  | Lewisport, KY   | \$8,693,109 | 155      | \$3,492,717 | 674,035 | N/A       |
| Services     |                 |             |          |             |         |           |
| Hoffman      | Hagerstown,     | \$9,298,941 | 177      | \$5,221,578 | N/A     | N/A       |
| Transport    | MD              |             |          |             |         |           |

| Carrier     | Total<br>Shipments | Average<br>Load | Average<br>Haul | Revenue<br>Per | Revenue<br>Per Mile | Revenue<br>Per Ton | Revenue<br>Per Ton- |
|-------------|--------------------|-----------------|-----------------|----------------|---------------------|--------------------|---------------------|
|             | •                  | (Tons)          | (Miles)         | Shipment       |                     |                    | Mile                |
| W&K         | N/A                | N/A             | N/A             | N/A            | N/A                 | N/A                | \$0.87              |
| Express     |                    |                 |                 |                |                     |                    |                     |
| Mount       | N/A                | N/A             | N/A             | N/A            | N/A                 | N/A                | N/A                 |
| Vernon      |                    |                 |                 |                |                     |                    |                     |
| Mills       |                    |                 |                 |                |                     |                    |                     |
| Five Star   | 4,150              | N/A             | N/A             | \$2,101.50     | \$2.08              | \$52.54            | N/A                 |
| Trucking    |                    |                 |                 |                |                     |                    |                     |
| First Class | 30,638             | N/A             | N/A             | \$283.74       | \$2.08              | \$12.90            | N/A                 |
| Services    |                    |                 |                 |                |                     |                    |                     |
| Hoffman     | 9,069              | N/A             | N/A             | \$1,025.35     | \$1.09              | N/A                | N/A                 |
| Transport   |                    |                 |                 |                |                     |                    |                     |

Table 20—General Freight (Truckload) Medium-Sized Carriers' Average Size and Operating Performance: Five Most Profitable Carriers (Continued)

| Carrier      | % Trucks<br>Owned | % Tractors Owned | % Trailers<br>Owned | Outside Vehicle<br>Maintenance per |
|--------------|-------------------|------------------|---------------------|------------------------------------|
|              | Owned             | Owned            | Owned               | Truck/Tractor                      |
| W&K          | N/A               | 30%              | 38%                 | \$3,085                            |
| Express      |                   |                  |                     |                                    |
| Mount        | 100%              | 100%             | 100%                | \$1,103                            |
| Vernon Mills |                   |                  |                     |                                    |
| Five Star    | 0%                | 52%              | 95%                 | \$1,184                            |
| Trucking     |                   |                  |                     |                                    |
| First Class  | N/A               | 88%              | 95%                 | \$24,169                           |
| Services     |                   |                  |                     |                                    |
| Hoffman      | N/A               | 93%              | 66%                 | \$13,503                           |
| Transport    |                   |                  |                     |                                    |

## GENERAL FREIGHT – MEDIUM-SIZED CARRIERS

Table 21—General Freight (Truckload) Medium-Sized Carriers' Average Financial Performance: Five Most Profitable Firms

| Carrier     | Operating   | Net         | Operating | Net Profit | Return on |
|-------------|-------------|-------------|-----------|------------|-----------|
|             | Income      | Income      | Ratio     | Margin     | Equity    |
| W&K         | \$541,827   | \$217,625   | 93.20     | 2.73%      | 151.92%   |
| Express     |             |             |           |            |           |
| Mount       | \$782,186   | \$469,312   | 87.53     | 7.48%      | 117.60%   |
| Vernon      |             |             |           |            |           |
| Mills       |             |             |           |            |           |
| Five Star   | \$732,462   | \$616,648   | 91.60     | 7.07%      | 107.75%   |
| Trucking    |             |             |           |            |           |
| First Class | \$1,475,201 | \$1,017,889 | 83.03     | 11.71%     | 107.33%   |
| Services    |             |             |           |            |           |
| Hoffman     | \$960,936   | \$600,218   | 89.67     | 6.45%      | 106.45%   |
| Transport   |             |             |           |            |           |

Table 22—General Freight (Truckload) Medium-Sized Carriers' Average Size and Operating Performance: Five Largest Carriers

| Carrier      | Location   | Revenue      | Units    | Assets       | Tons carried | Ton-miles   |
|--------------|------------|--------------|----------|--------------|--------------|-------------|
|              |            |              | in Fleet |              |              |             |
| B & T Mail   | New        | \$10,975,558 | 244      | \$1,642,202  | 527,440      | 19,921,409  |
| Service      | Berlin, WI |              |          |              |              |             |
| Celebrity    | Paducah,   | \$10,959,204 | 363      | \$3,754,741  | N/A          | N/A         |
| Freight      | KY         |              |          |              |              |             |
| Systems      |            |              |          |              |              |             |
| T. B. & P.   | Daleville, | \$10,893,533 | 199      | \$1,939,073  | 115,437      | 171,430,172 |
| Express      | IN         |              |          |              |              |             |
| L & H        | Hanover,   | \$10,864,041 | 520      | \$4,016,930  | 447,534      | N/A         |
| Trucking Co. | PA         |              |          |              |              |             |
| Circle City  | Dothan,    | \$10,856,724 | 229      | \$10,721,887 | N/A          | N/A         |
| Transport    | AL         |              |          |              |              |             |

| Carrier     | Total     | Average | Average | Revenue    | Revenue  | Revenue | Revenue  |
|-------------|-----------|---------|---------|------------|----------|---------|----------|
|             | Shipments | Load    | Haul    | Per        | Per Mile | Per Ton | Per Ton- |
|             |           | (Tons)  | (Miles) | Shipment   |          |         | Mile     |
| B & T Mail  | 26,372    | 2.33    | 38      | \$416.18   | \$1.28   | \$20.81 | \$0.55   |
| Service     |           |         |         |            |          |         |          |
| Celebrity   | N/A       | N/A     | N/A     | N/A        | \$1.09   | N/A     | N/A      |
| Freight     |           |         |         |            |          |         |          |
| Systems     |           |         |         |            |          |         |          |
| T. B. & P.  | 6,548     | 17.25   | 1,485   | \$1,663.64 | \$1.10   | \$94.37 | \$0.06   |
| Express     |           |         |         |            |          |         |          |
| L & H       | 24,863    | N/A     | N/A     | \$436.96   | \$1.61   | \$24.28 | N/A      |
| Trucking Co |           |         |         |            |          |         |          |
| Circle City | 7,762     | N/A     | N/A     | \$1,398.70 | \$1.10   | N/A     | N/A      |
| Transport   |           |         |         |            |          |         |          |

Table 22—General Freight (Truckload) Medium-Sized Carriers' Average Size and Operating Performance: Five Largest Carriers (Continued)

| Carrier      | % Trucks | % Tractors | % Trailers | Outside Vehicle                  |
|--------------|----------|------------|------------|----------------------------------|
|              | Owned    | Owned      | Owned      | Maintenance per<br>Truck/Tractor |
| B & T Mail   | 100%     | 55%        | 88%        | \$1,080                          |
| Service      |          |            |            |                                  |
| Celebrity    | N/A      | 80%        | 0%         | \$6,354                          |
| Freight      |          |            |            |                                  |
| Systems      |          |            |            |                                  |
| T. B. & P.   | 0%       | 0%         | 0%         | \$345                            |
| Express      |          |            |            |                                  |
| L & H        | 100%     | 58%        | 54%        | \$1,429                          |
| Trucking Co. |          |            |            |                                  |
| Circle City  | N/A      | 100%       | 100%       | \$2,056                          |
| Transport    |          |            |            |                                  |

Table 23—General Freight (Truckload) Medium-Sized Carriers' Average Financial Performance: Five Largest Firms

| Carrier      | Operating | Net Income | Operating | Net    | Return on Equity |
|--------------|-----------|------------|-----------|--------|------------------|
|              | Income    |            | Ratio     | Profit |                  |
|              |           |            |           | Margin |                  |
| B & T Mail   | \$295,919 | \$243,166  | 97.30     | 2.22%  | 34.76%           |
| Service      |           |            |           |        |                  |
| Celebrity    | \$299,323 | -\$42,597  | 97.27     | -0.39% | -14.95%          |
| Freight      |           |            |           |        |                  |
| Systems      |           |            |           |        |                  |
| T. B. & P.   | \$355,755 | \$156,136  | 96.73     | 1.43%  | 34.35%           |
| Express      |           |            |           |        |                  |
| L & H        | \$99,709  | \$63,109   | 99.08     | 0.58%  | 5.53%            |
| Trucking Co. |           |            |           |        |                  |
| Circle City  | \$769,141 | \$247,730  | 92.92     | 2.28%  | 20.34%           |
| Transport    |           |            |           |        |                  |

Table 24—General Freight (Truckload) Medium-Sized Carriers' Average Size and Operating Performance: Five Smallest Carriers

| Carrier        | Location    | Revenue     | Units | Assets      | Tons    | Ton-miles  |
|----------------|-------------|-------------|-------|-------------|---------|------------|
|                |             |             | in    |             | carried |            |
|                |             |             | Fleet |             |         |            |
| B & K          | Oak Creek,  | \$6,121,789 | 195   | \$3,744,046 | 46,783  | N/A        |
| Transportation | WI          |             |       |             |         |            |
| Richers        | Wever, IA   | \$6,132,762 | 68    | \$1,881,993 | N/A     | N/A        |
| Trucking       |             |             |       |             |         |            |
| Martin         | Hugoton,    | \$6,133,096 | 102   | \$1,814,776 | 364,438 | N/A        |
| Trucking       | KS          |             |       |             |         |            |
| Super Van      | St. Louis,  | \$6,144,612 | 86    | \$1,897,156 | 41,639  | 13,532,536 |
| Service Co.    | MO          |             |       |             |         |            |
| Kindsvater     | Dodge City, | \$6,152,731 | 120   | \$3,346,150 | N/A     | N/A        |
|                | KS          |             |       |             |         |            |

| Carrier        | Total     | Average | Average | Revenue    | Revenue  | Revenue  | Revenue  |
|----------------|-----------|---------|---------|------------|----------|----------|----------|
|                | Shipments | Load    | Haul    | Per        | Per Mile | Per Ton  | Per Ton- |
|                |           | (Tons)  | (Miles) | Shipment   |          |          | Mile     |
| B & K          | 5,057     | N/A     | N/A     | \$1,210.56 | \$1.78   | \$130.85 | N/A      |
| Transportation |           |         |         |            |          |          |          |
| Richers        | 2,688     | N/A     | N/A     | \$2,281.53 | \$1.15   | N/A      | N/A      |
| Trucking       |           |         |         |            |          |          |          |
| Martin         | 14,874    | N/A     | N/A     | \$412.34   | \$1.46   | \$16.83  | N/A      |
| Trucking       |           |         |         |            |          |          |          |
| Super Van      | 63,476    | 8.29    | 325     | \$96.80    | \$3.76   | \$147.57 | \$0.45   |
| Service Co.    |           |         |         |            |          |          |          |
| Kindsvater     | N/A       | N/A     | N/A     | N/A        | \$1.39   | N/A      | N/A      |

Table 24—General Freight (Truckload) Medium-Sized Carriers' Average Size and Operating Performance: Five Smallest Carriers (Continued)

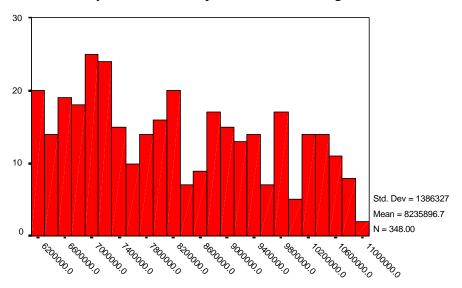
| Carrier     | % Trucks<br>Owned | % Tractors Owned | % Trailers Owned | Outside Vehicle<br>Maintenance per |
|-------------|-------------------|------------------|------------------|------------------------------------|
|             | Owned             | Owned            | Owned            | Truck/Tractor                      |
| B & K       | N/A               | 100%             | 100%             | \$7,757                            |
| Transpor-   |                   |                  |                  |                                    |
| tation      |                   |                  |                  |                                    |
| Richers     | N/A               | 100%             | 100%             | \$12,578                           |
| Trucking    |                   |                  |                  |                                    |
| Martin      | N/A               | 39%              | 89%              | \$7,168                            |
| Trucking    |                   |                  |                  |                                    |
| Super Van   | 0%                | 14%              | 100%             | \$2,955                            |
| Service Co. |                   |                  |                  |                                    |
| Kindsvater  | 100%              | N/A              | 100%             | \$26,038                           |

## GENERAL FREIGHT – MEDIUM-SIZED CARRIERS

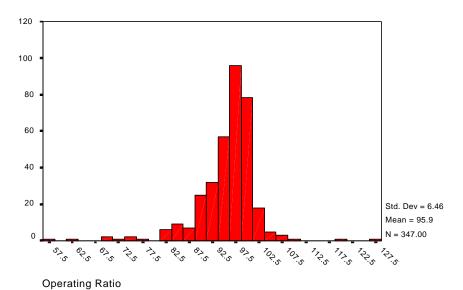
Table 25—General Freight (Truckload) Medium-Sized Carriers' Average Financial Performance: Five Smallest Firms

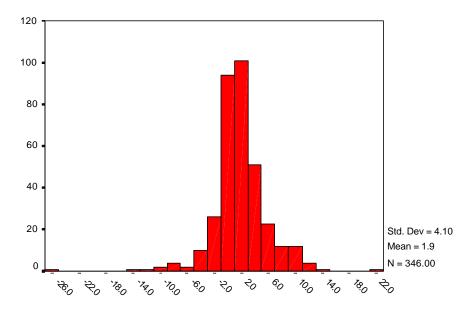
| Carrier     | Operating | Net       | Operating | Net Profit | Return on |
|-------------|-----------|-----------|-----------|------------|-----------|
|             | Income    | Income    | Ratio     | Margin     | Equity    |
| B & K       | \$401,834 | \$277,435 | 93.44     | 4.53%      | 11.14%    |
| Transpor-   |           |           |           |            |           |
| tation      |           |           |           |            |           |
| Richers     | \$299,119 | \$59,263  | 95.12     | 0.97%      | 18.44%    |
| Trucking    |           |           |           |            |           |
| Martin      | \$128,718 | \$105,548 | 97.90     | 1.72%      | 8.60%     |
| Trucking    |           |           |           |            |           |
| Super Van   | \$854,242 | \$468,851 | 86.10     | 7.63%      | 72.92%    |
| Service Co. |           |           |           |            |           |
| Kindsvater  | -\$40,973 | -\$90,231 | 100.67    | -1.47%     | -17.79%   |

## Summary Charts and Graphs for General Freight – Medium-Sized Carriers

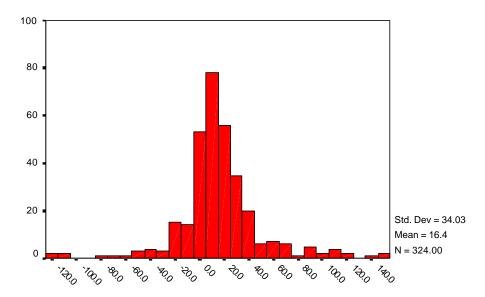


### Revenue

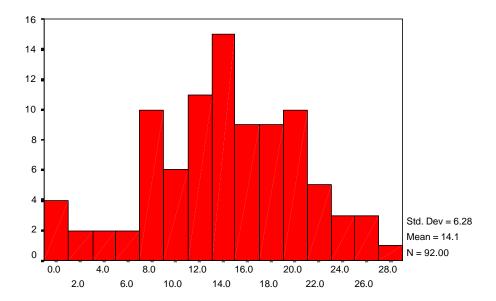




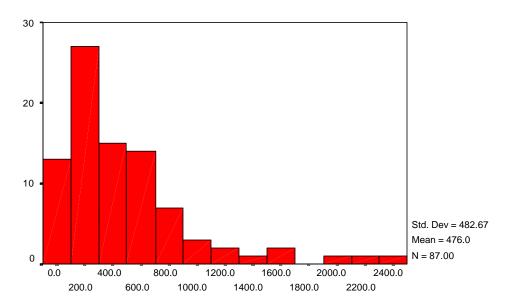
Net Profit Margin



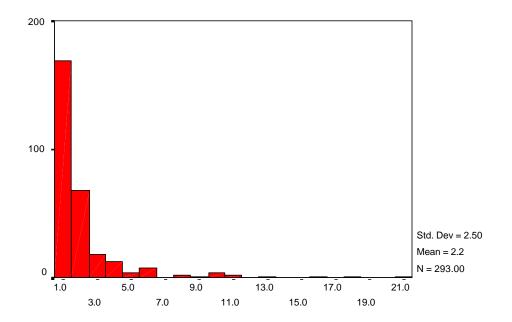
Return on Equity



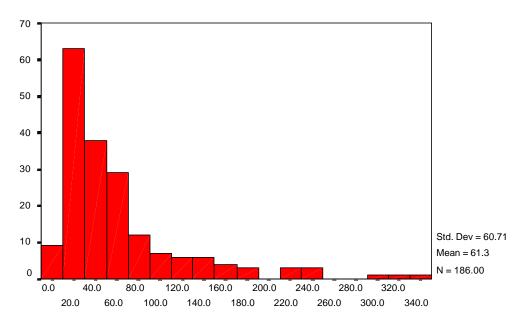
Average Load (Tons)



Average Haul (Miles)



## Revenue per Mile



Revenue per Ton

## Summary Data for General Freight – Medium-Sized Carriers

| General Mid Size TL Carriers  Descriptive Statistics | 1                   |             |             |            |                |
|--|---------------------|-------------|-------------|------------|----------------|
| Descriptive Statistics                               | Number of Companies | Minimum     | Maximum     | Mean       | Std. Deviation |
| Financial Summary                                    |                     |             |             |            |                |
| Revenue  | 348                 | 6,121,789   | 10,975,558  | 8,236,897  | 1,386,327      |
| Expenses   | 348                 | 4,156,939   | 10,834,950  | 7,882,149  | 1,436,008      |
| Operating Income                                     | 348                 | (1,877,074) | 5,415,038   | 353,754    | 579,969        |
| Net Income   | 348                 | (1,624,135) | 7,384,000   | 181,323    | 515,770        |
| Total Assets   | 344                 | 138,536     | 69,080,444  | 3,332,891  | 5,200,228      |
| Total Liabilities                                    | 344                 | (1,011,359) | 61,319,409  | 2,057,747  | 3,659,634      |
| Total Equity   | 344                 | (3,191,282) | 46,433,393  | 12,755,147 | 2,895,50       |
| Operating Ratio                                      | 347                 | 58          | 126         | 96         | (              |
| Net Profit Margin                                    | 346                 | -26%        | 21%         | 2%         | 4%             |
| Return on Equity                                     | 324                 | -123%       | 152%        | 16%        | 34%            |
| Individual Expense Items                             |                     |             |             |            |                |
| Drivers and Helpers Wages                            | 341                 |             | 17,770,773  | 1,345,258  | 1,390,076      |
| Insurance  | 335                 | (206,121)   | 935,886     | 264,821    | 145,022        |
| Outside Vehicle Maintenance                          | 311                 | (93,089)    | 2,176,690   | 287,608    | 275,084        |
| Purchased Transportation                             | 341                 | -           | 8,859,000   | 2,022,112  | 2,015,249      |
| Fleet Composition                                    |                     |             |             |            |                |
| (Items as a percent of total)                        | İ                   |             |             |            |                |
| Trucks Owned   | 122                 | 0%          | 100%        | 67%        | 45%            |
| Trucks Leased  | 122                 | 0%          | 100%        | 33%        | 45%            |
| Tractors Owned                                       | 311                 | 0%          | 100%        | 54%        | 40%            |
| Tractors Leased                                      | 311                 | 0%          | 100%        | 46%        | 40%            |
| Trailers Owned                                       | 322                 | 0%          | 100%        | 67%        | 39%            |
| Trailers Leased                                      | 322                 | 0%          | 100%        | 33%        | 39%            |
| Operating Statistics                                 |                     |             |             |            |                |
| Total Units in Fleet                                 | 337                 | -           | 725         | 184        | 10             |
| Total Highway Miles                                  | 322                 | -           | 11,200,000  | 4,997,208  |                |
| Total Tons Carried                                   | 216                 | -           | 2,772,052   | 244,007    |                |
| Total Ton-Miles                                      | 248                 | -           | 243,197,577 | 31,564,706 |                |
| Total Shipments                                      | 236                 | -           | 614,400     | 25,415     |                |
| Revenue per Mile                                     | 293                 | \$0.81      | \$21.38     | \$2.22     | \$2.50         |
| Revenue per Ton                                      | 186                 | \$3.33      | \$345.50    | \$61.32    | \$60.7         |
| Revenue per Shipment                                 | 223                 | \$16.71     | \$3,296.38  | \$716.44   | ·              |
| Revenue per Ton-Mile                                 | 93                  | \$0.03      | \$2.12      | \$0.23     |                |
| Average Load (Tons)                                  | 92                  | 1           | 28          | 14         | ,              |
| Average Haul (Miles)                                 | 87                  | 6           | 2,440       | 476        | l              |
| Outside Vehicle Maintenance per Truck/Tractor        | 299                 | (1,501)     | 70,089      | 5,760      | 6,745          |
| Valid N (listwise)                                   | 17                  |             |             |            |                |

### VI. GENERAL FREIGHT – LARGE CARRIERS

#### Overview of Carriers

A total of 1040 firms in the General Freight (Truckload) industry segment reported \$26.26 Billion in annual revenues for 1997 (Table 26). Dividing this segment into three groups, based on total revenues, we find that the largest third of the carriers generates \$21.95 Billion in revenues. This subtotal accounts for 83.6% of the total revenues in the General Freight industry segment. The remainder of this section focuses on the largest General Freight firm tier.

The revenues for the five largest firms in this sub segment account for 20.9% of the sub segment's total revenue. The largest firm in this sub segment, JB Hunt Transport, generated 6.2% of the segment's total revenue. Three of the five largest firms in this industry sub segment account for 27.3% of the sub segment's total assets and 21.9% of the total units in the segment's fleet (Table 30).

The information summarized above suggests that there is a low level of dominance by the largest carriers in this industry sub segment. However, two of the five largest firms experienced positive profit margins with the largest of the two firms having a net income gain of \$48.4 Million, resulting in a net profit margin of 6.3% (Table 31). In addition, all of the five smallest carriers in the sub segment reported positive net profit margins. The highest profit margin among the five smallest firms in the sub segment was 14.2% (Table 33).

Overall, the average net profit margin for firms in this sub segment was 3%. In addition, the average return on equity was 21.9% (Table 27). The five firms with the highest return on equity ratios had an average of 199.5% (Table 29). This indicates that these firms were about 9 times more effective in returning value to their shareholders with respect to the average firm in the industry. Furthermore, these firms are almost 20 times smaller than the five largest firms in the industry. Indeed, the total revenue of the 5 largest firms in the sub segment is \$4.59 Billion (Table 30), while the total revenue of the 5 most profitable firms is \$233 Million (Table 28). Thus, carriers in this industry sub segment do not necessarily enjoy profitability advantages associated with the size of their operations.

Carriers in this sub segment handled on average 41,116 shipments and 3.9 Million tons of freight and produced 351.4 Million ton-miles on average. The average load was 13.8 tons and 124 firms reported an average length of haul of 577 miles (Tables 26 and 27). Among the five largest carriers, JB Hunt Transport, generated approximately five times the average tons carried by firms in the sub segment as well as 52 times the average ton-miles (Table 28).

On average, carriers in this sub segment owned 69% of their trucks; 54% of their tractors; and 91% of their trailers (Table 26). Only two of the five largest carriers in this sub segment reported tractor ownership information. One carrier, JB Hunt Transport, owned 100% of its tractors, while the other carrier, Ryder Integrated Logistics, owned none of its tractors (Table 30).

The five most profitable firms in the sub segment varied widely in their tractor ownership patterns. Three of them (PBX, Trailwood Transportation, and Ace Transportation) relied almost exclusively on owner-operators. On the other hand, two companies (Store-Wide Delivery and Consolidated Cargo Carrier) owned a significant share of their tractors. This suggests that neither an all owner-operator or an all company driver strategy is a key factor in devising a profitable business approach (Table 28). Furthermore, there is variation among the five smallest companies in the sub segment in their reliance on company drivers and owner-operators, although only four of the five smallest firms in the sub segment reported tractor ownership information. Among these four firms, only one (Budway Enterprises) relied exclusively on company drivers. The other three carriers in the group relied on company drivers to operate between 56 and 88% of their tractors (Table 32).

One important performance dimension in the transportation sector is firm operating ratio, which compares operating expenses to operating revenues. Among all firms in this sub segment, the average operating ratio is 95.2% (Table 27). Among the five most profitable firms in the sub segment (Table 29), based on return on equity, operating ratio ranged from a low of 87.6% (Store-Wide Delivery) to a high of 96.8% (Trailwood Transportation.) Among the five largest carriers (Table 31), the largest, JB Hunt Transport, had an operating ratio of 97.3%. Among this group of carriers, the one with the lowest operating ratio (Swift Transportation) had a ratio of 89.6%. Among the five smallest carriers (Table 33), all had operating ratios below 100% and the firm with the lowest operating ratio had a ratio of 90.1%. Clearly, firms in this sub segment of general-freight carriers had a strong operating performance regardless of their operating size.

Table 26-- General Freight (Truckload) Large Carriers' Average Size and Operating Performance

|                        | Number of | Total            |
|------------------------|-----------|------------------|
|                        | Companies |                  |
|                        | Reporting |                  |
| Revenue                | 351       | \$21,950,000,000 |
| Units in Fleet         | 321       | 309,320          |
| Assets                 | 324       | \$7,587,506,076  |
| Tons Carried           | 277       | 1,076,739,835    |
| Ton-Miles              | 281       | 98,732,277,145   |
| Shipments              | 278       | 11,430,294       |
|                        |           | Average          |
| Size of Load (Tons)    | 144       | 13.83            |
| Length of Haul (Miles) | 124       | 577              |
|                        |           | Average          |
| Revenue Per Mile       | 274       | \$1.54           |
| Revenue Per Ton        | 177       | \$57.54          |
| Revenue Per Ton-Mile   | 177       | \$0.37           |
|                        |           | Average          |
| % of Trucks Owned      | 99        | 69%              |
| % of Tractors Owned    | 283       | 54%              |
| % of Trailers Owned    | 281       | 91%              |
| Outside Vehicle        | 298       | \$3,463          |
| Maintenance per        |           |                  |
| Truck/Tractor          |           |                  |

Table 27-- General Freight (Truckload) Large Carriers' Average Financial Performance

| Operating Income  | \$2,205,977 |
|-------------------|-------------|
| Net Income        | \$1,141,330 |
| Operating Ratio   | 95.20       |
| Net Profit Margin | 2.95%       |
| Return on Equity  | 21.88%      |

Table 28-- General Freight (Truckload) Large Carriers' Average Size and Operating Performance: Five Most Profitable Carriers

| Carrier        | Location   | Revenue       | Units | Assets       | Tons      | Ton-miles     |
|----------------|------------|---------------|-------|--------------|-----------|---------------|
|                |            |               | in    |              | carried   |               |
|                |            |               | Fleet |              |           |               |
| PBX            | Dakota     | \$63,200,600  | 719   | \$9,494,496  | 1,629,136 | 1,465,965,483 |
|                | City, NE   |               |       |              |           |               |
| Store-Wide     | Secaucus,  | \$12,474,113  | 99    | \$3,204,726  | N/A       | N/A           |
| Delivery       | NJ         |               |       |              |           |               |
| Trailwood      | St. Paul,  | \$15,107,374  | 314   | \$610,487    | N/A       | N/A           |
| Transportation | MN         |               |       |              |           |               |
| Consolidated   | Columbia,  | \$18,878,219  | 178   | \$2,124,992  | N/A       | N/A           |
| Cargo Carrier  | SC         |               |       |              |           |               |
| Ace            | Lafayette, | \$123,311,993 | 1,899 | \$24,986,811 | 3,402,120 | N/A           |
| Transportation | LA         |               |       |              |           |               |

| Carrier        | Total     | Average | Average | Revenue  | Revenue  | Revenue | Revenue  |
|----------------|-----------|---------|---------|----------|----------|---------|----------|
|                | Shipments | Load    | Haul    | Per      | Per Mile | Per Ton | Per Ton- |
|                |           | (Tons)  | (Miles) | Shipment |          |         | Mile     |
| PBX            | 75,514    | N/A     | 900     | \$836.94 | \$1.37   | \$38.79 | \$0.04   |
| Store-Wide     | N/A       | N/A     | N/A     | N/A      | \$3.31   | N/A     | N/A      |
| Delivery       |           |         |         |          |          |         |          |
| Trailwood      | N/A       | N/A     | N/A     | N/A      | \$1.57   | N/A     | N/A      |
| Transportation |           |         |         |          |          |         |          |
| Consolidated   | N/A       | N/A     | N/A     | N/A      | N/A      | N/A     | N/A      |
| Cargo Carrier  |           |         |         |          |          |         |          |
| Ace            | 340,223   | N/A     | N/A     | \$366.44 | \$1.29   | \$36.25 | N/A      |
| Transportation |           |         |         |          |          |         |          |

Table 28-- General Freight (Truckload) Large Carriers' Average Size and Operating Performance: Five Most Profitable Carriers (Continued)

| Carrier        | % Trucks | % Tractors | % Trailers | Outside Vehicle Maintenance |
|----------------|----------|------------|------------|-----------------------------|
|                | Owned    | Owned      | Owned      | per Truck/Tractor           |
| PBX            | N/A      | 0%         | 100%       | \$691                       |
| Store-Wide     | N/A      | 100%       | 100%       | \$1,526                     |
| Delivery       |          |            |            |                             |
| Trailwood      | N/A      | 4%         | 0%         | \$7,610                     |
| Transportation |          |            |            |                             |
| Consolidated   | N/A      | 28%        | 100%       | \$3,619                     |
| Cargo Carrier  |          |            |            |                             |
| Ace            | 0%       | 0%         | N/A        | \$70                        |
| Transportation |          |            |            |                             |

Table 29-- General Freight (Truckload) Large Carriers' Average Financial Performance: Five Most Profitable Firms

| Carrier        | Operating    | Net Income   | Operating | Net    | Return on |
|----------------|--------------|--------------|-----------|--------|-----------|
|                | Income       |              | Ratio     | Profit | Equity    |
|                |              |              |           | Margin |           |
| PBX            | \$7,236,020  | \$10,172,625 | 88.55     | 16.10% | 286.16%   |
| Store-Wide     | \$1,551,622  | \$1,659,259  | 87.56     | 13.30% | 224.38%   |
| Delivery       |              |              |           |        |           |
| Trailwood      | \$486,662    | \$467,080    | 96.78     | 3.09%  | 177.11%   |
| Transportation |              |              |           |        |           |
| Consolidated   | \$1,573,284  | \$933,945    | 91.67     | 4.95%  | 156.94%   |
| Cargo Carrier  |              |              |           |        |           |
| Ace            | \$11,184,110 | \$11,184,110 | 90.93     | 9.07%  | 152.97%   |
| Transportation |              |              |           |        |           |

Table 30-- General Freight (Truckload) Large Carriers' Average Size and Operating Performance: Five Largest Carriers

| Carrier        | Location      | Revenue         | Units    | Assets      | Tons       | Ton-miles  |
|----------------|---------------|-----------------|----------|-------------|------------|------------|
|                |               |                 | in Fleet | (in         | carried    | (in        |
|                |               |                 |          | thousands)  |            | thousands) |
| Hunt (J.B.)    | Lowell, AR    | \$1,351,007,445 | 33,404   | \$1,020,011 | 19,506,864 | 18,302,184 |
| Transport      |               |                 |          |             |            |            |
| Ryder          | Miami, FL     | \$1,298,407,390 | 14,205   | \$380,091   | 11,401,852 | N/A        |
| Integrated     |               |                 |          |             |            |            |
| Logistics      |               |                 |          |             |            |            |
| Werner         | Omaha, NE     | \$772,094,529   | 20,050   | \$667,637   | N/A        | 7,447,910  |
| Enterprises    |               |                 |          |             |            |            |
| Swift          | Phoenix, AZ   | \$713,638,000   | N/A      | N/A         | N/A        | N/A        |
| Transportation |               |                 |          |             |            |            |
| Landstar       | Jacksonville, | \$456,322,000   | N/A      | N/A         | N/A        | N/A        |
| Ranger         | FL            |                 |          |             |            |            |

| Carrier        | Total     | Average | Average | Revenue  | Revenue  | Revenue  | Revenue  |
|----------------|-----------|---------|---------|----------|----------|----------|----------|
|                | Shipments | Load    | Haul    | Per      | Per Mile | Per Ton  | Per Ton- |
|                |           | (Tons)  | (Miles) | Shipment |          |          | Mile     |
| Hunt (J.B.)    | 1,500,528 | 23.55   | 938     | \$900.35 | \$1.74   | \$69.26  | \$0.07   |
| Transport      |           |         |         |          |          |          |          |
| Ryder          | N/A       | N/A     | N/A     | N/A      | \$3.63   | \$113.88 | N/A      |
| Integrated     |           |         |         |          |          |          |          |
| Logistics      |           |         |         |          |          |          |          |
| Werner         | N/A       | 11.65   | N/A     | N/A      | \$1.21   | N/A      | \$0.10   |
| Enterprises    |           |         |         |          |          |          |          |
| Swift          | N/A       | N/A     | N/A     | N/A      | N/A      | N/A      | N/A      |
| Transportation |           |         |         |          |          |          |          |
| Landstar       | N/A       | N/A     | N/A     | N/A      | N/A      | N/A      | N/A      |
| Ranger         |           |         |         |          |          |          |          |

Table 30-- General Freight (Truckload) Large Carriers' Average Size and Operating Performance: Five Largest Carriers (Continued)

| Carrier         | % Trucks | % Tractors | % Trailers | Outside Vehicle |
|-----------------|----------|------------|------------|-----------------|
|                 | Owned    | Owned      | Owned      | Maintenance per |
|                 |          |            |            | Truck/Tractor   |
| Hunt (J.B.)     | N/A      | 100%       | 100%       | \$3,447         |
| Transport       |          |            |            |                 |
| Ryder           | 0%       | 0%         | 100%       | \$495           |
| Integrated      |          |            |            |                 |
| Logistics       |          |            |            |                 |
| Werner          | 84%      | N/A        | 100%       | \$1,171         |
| Enterprises     |          |            |            |                 |
| Swift           | N/A      | N/A        | N/A        | N/A             |
| Transportation  |          |            |            |                 |
| Landstar Ranger | N/A      | N/A        | N/A        | N/A             |

Table 31-- General Freight (Truckload) Large Carriers' Average Financial Performance: Five Largest Firms

| Carrier        | Operating    | Net Income    | Operating | Net Profit | <b>Return on Equity</b> |
|----------------|--------------|---------------|-----------|------------|-------------------------|
|                | Income       |               | Ratio     | Margin     |                         |
| Hunt (J.B.)    | \$36,333,310 | -\$18,361,292 | 97.31     | -1.36%     | -13.91%                 |
| Transport      |              |               |           |            |                         |
| Ryder          | \$31,325,080 | \$17,324,750  | 97.59     | 1.33%      | 20.68%                  |
| Integrated     |              |               |           |            |                         |
| Logistics      |              |               |           |            |                         |
| Werner         | \$77,647,130 | \$48,377,802  | 89.94     | 6.27%      | 12.24%                  |
| Enterprises    |              |               |           |            |                         |
| Swift          | N/A          | N/A           | 89.60     | N/A        | N/A                     |
| Transportation |              |               |           |            |                         |
| Landstar       | N/A          | N/A           | 95.60     | N/A        | N/A                     |
| Ranger         |              |               |           |            |                         |

Table 32-- General Freight (Truckload) Large Carriers' Average Size and Operating Performance: Five Smallest Carriers

| Carrier       | Location     | Revenue      | Units | Assets       | Tons carried | Ton-  |
|---------------|--------------|--------------|-------|--------------|--------------|-------|
|               |              |              | in    |              |              | miles |
|               |              |              | Fleet |              |              |       |
| Bonded        | Martinsburg, | \$11,006,513 | 292   | \$3,743,439  | 243,000,000  | N/A   |
| Carriers      | WV           |              |       |              |              |       |
| Jonsen (D.E.) | Grove City,  | \$11,028,356 | 281   | \$5,240,490  | N/A          | N/A   |
|               | OH           |              |       |              |              |       |
| Klink         | Ashley, IN   | \$11,030,758 | N/A   | \$10,079,494 | N/A          | N/A   |
| Trucking      |              |              |       |              |              |       |
| Gateway       | Laredo, TX   | \$11,031,891 | 174   | \$7,559,333  | 64,000       | N/A   |
| Transfer Co.  |              |              |       |              |              |       |
| Budway        | Pico Revera, | \$11,039,069 | 151   | \$4,962,369  | N/A          | N/A   |
| Enterprises   | CA           |              |       |              |              |       |

| Carrier      | Total     | Average | Average | Revenue  | Revenue  | Revenue  | Revenue  |
|--------------|-----------|---------|---------|----------|----------|----------|----------|
|              | Shipments | Load    | Haul    | Per      | Per Mile | Per Ton  | Per Ton- |
|              | _         | (Tons)  | (Miles) | Shipment |          |          | Mile     |
| Bonded       | 16,500    | N/A     | N/A     | \$667.06 | \$1.36   | N/A      | N/A      |
| Carriers     |           |         |         |          |          |          |          |
| Jonsen       | N/A       | N/A     | N/A     | N/A      | \$1.09   | N/A      | N/A      |
| (D.E.)       |           |         |         |          |          |          |          |
| Klink        | N/A       | N/A     | N/A     | N/A      | N/A      | N/A      | N/A      |
| Trucking     |           |         |         |          |          |          |          |
| Gateway      | 3,200     | N/A     | N/A     | N/A      | \$3.47   | \$172.37 | N/A      |
| Transfer Co. |           |         |         |          |          |          |          |
| Budway       | N/A       | N/A     | N/A     | N/A      | N/A      | N/A      | N/A      |
| Enterprises  |           |         |         |          |          |          |          |

Table 32-- General Freight (Truckload) Large Carriers' Average Size and Operating Performance: Five Smallest Carriers (Continued)

| Carrier       | % Trucks<br>Owned | % Tractors<br>Owned | % Trailers<br>Owned | Outside Vehicle<br>Maintenance per<br>Truck/Tractor |
|---------------|-------------------|---------------------|---------------------|---|
| Bonded        | 100%              | 88%                 | 100%                | N/A   |
| Carriers      |                   |                     |                     |   |
| Jonsen (D.E.) | N/A               | 61%                 | 7%                  | \$2,301   |
| Klink         | N/A               | N/A                 | N/A                 | N/A   |
| Trucking      |                   |                     |                     |   |
| Gateway       | 100%              | 56%                 | 100%                | \$301   |
| Transfer Co.  |                   |                     |                     |   |
| Budway        | N/A               | 100%                | 100%                | \$5,683   |
| Enterprises   |                   |                     |                     |   |

Table 33-- General Freight (Truckload) Large Carriers Average Financial Performance: Five Smallest Firms

| Carrier      | Operating   | Net         | Operating | Net Profit | Return on Equity |
|--------------|-------------|-------------|-----------|------------|------------------|
|              | Income      | Income      | Ratio     | Margin     |                  |
| Bonded       | \$429,927   | \$1,559,160 | 96.09     | 14.17%     | 108.77%          |
| Carriers     |             |             |           |            |                  |
| Jonsen       | \$738,441   | \$202,476   | 93.30     | 1.84%      | 29.10%           |
| (D.E.)       |             |             |           |            |                  |
| Klink        | \$187,413   | \$187,413   | 98.30     | 1.70%      | 6.17%            |
| Trucking     |             |             |           |            |                  |
| Gateway      | \$1,097,772 | \$905,549   | 90.05     | 8.21%      | 12.17%           |
| Transfer Co. |             |             |           |            |                  |
| Budway       | \$549,658   | \$237,688   | 95.02     | 2.15%      | 19.06%           |
| Enterprises  |             |             |           |            |                  |

# Summary Data for General Freight – Large Carriers

| General Large TL Carriers                     |                     |              |                |             |                |
|---|---------------------|--------------|----------------|-------------|----------------|
| Descriptive Statistics                        | 1                   | 1            |                | T           |                |
|   |                     |              |                |             |                |
|   | Number of Companies | Minimum      | Maximum        | Mean        | Std. Deviation |
| Financial Summary                             |                     |              |                |             |                |
| Revenue                                       | 351                 | 11,006,513   | 2,512,100,000  | 62,545,658  | 182,592,387    |
| Expenses                                      | 351                 | -            | 1,314,674,135  | 51,774,549  | 121,369,531    |
| Operating Income                              | 326                 | (35,043,937) | 77,647,130     | 2,205,977   | 6,518,995      |
| Net Income                                    | 326                 | (50,511,831) | 48,377,802     | 1,141,330   | 5,086,376      |
| Total Assets                                  | 324                 | 535,721      | 1,020,011,700  | 23,418,229  | 75,496,812     |
| Total Liabilities                             | 324                 | (7,176,512)  | 887,984,442    | 15,197,181  | 57,839,724     |
| Total Equity                                  | 324                 | (43,533,129) | 395,117,507    | 8,212,843   | 27,076,914     |
| Operating Ratio                               | 347                 | 70           | 112            | 95          | 5              |
| Net Profit Margin                             | 325                 | -18%         | 25%            | 3%          | 4%             |
| Return on Equity                              | 309                 | -68%         | 286%           | 22%         | 35%            |
| Individual Expense Items                      |                     |              |                |             |                |
| Drivers and Helpers Wages                     | 253                 | -            | 63,274,000     | 1,266,408   | 4,278,934      |
| Insurance                                     | 323                 | (176,931)    | 37,506,499     | 1,454,780   | 3,455,024      |
| Outside Vehicle Maintenance                   | 210                 | (177,805)    | 24,793,632     | 644,282     | 1,796,920      |
| Purchased Transportation                      | 253                 | -            | 291,711,462    | 9,427,252   | 26,032,658     |
| Fleet Composition                             |                     |              |                |             |                |
| (Items as a percent of total)                 |                     |              |                |             |                |
| Trucks Owned                                  | 99                  | 0%           | 100%           | 69%         | 42%            |
| Trucks Leased                                 | 99                  | 0%           | 100%           | 31%         | 42%            |
| Tractors Owned                                | 283                 | 0%           | 100%           | 54%         | 40%            |
| Tractors Leased                               | 283                 | 0%           | 100%           | 46%         | 40%            |
| Trailers Owned                                | 281                 | 0%           | 100%           | 91%         | 24%            |
| Trailers Leased                               | 281                 | 0%           | 100%           | 9%          | 24%            |
| Operating Statistics                          |                     |              |                |             |                |
| Total Units in Fleet                          | 321                 | -            | 33,404         | 964         | 2,548          |
| Total Highway Miles                           | 310                 | -            | 777,034,411    | 31,163,998  | 71,708,872     |
| Total Tons Carried                            | 277                 | -            | 624,000,000    | 3,887,147   | 40,159,652     |
| Total Ton-Miles                               | 281                 | -            | 18,302,184,862 | 351,360,417 | 1,318,625,197  |
| Total Shipments                               | 278                 | -            | 1,500,528      | 41,116      | 107,902        |
| Revenue per Mile                              | 274                 | \$0.72       | \$6.23         | \$1.54      | \$0.76         |
| Revenue per Ton                               | 177                 | \$1.62       | \$225.82       | \$57.54     | \$42.78        |
| Revenue per Shipment                          | 155                 | \$31.13      | \$2,568.63     | \$746.95    | \$488.87       |
| Revenue per Ton-Mile                          | 177                 | \$0.00       | \$35.41        | \$0.37      | \$2.67         |
| Average Load (Tons)                           | 144                 | 1            | 28             | 14          | (              |
| Average Haul (Miles)                          | 124                 | 9            | 2,542          | 577         | 441            |
| Outside Vehicle Maintenance per Truck/Tractor | 298                 | (1,218)      | 108,126        | 3,463       | 7,906          |
| Valid N (listwise)                            | 8                   |              |                |             |                |

### VII. MOVING/HOUSEHOLD GOODS CARRIERS

### Overview of Carriers

The Moving/Household Goods segment is composed of carriers whose primary business is the moving of personal property from one location to another, usually in conjunction with a relocation by the customer. A total of 96 firms in the Moving/Household Goods industry segment reported \$4.9 Billion in annual revenues for 1997 (Table 34). The revenues for the five largest firms account for 51.4% of all the segment's revenues. The largest firm in this segment, United Van Lines, generated 14.8% of the segment's total revenue. Four of the five largest firms in this industry segment account for 51.8% of the segment's total assets (Table 38).

The information summarized above suggests that there is a moderate level of dominance by the largest carriers in this industry segment. However, the three largest carriers reporting net profit margins experienced margins below the average achieved by all firms in this industry segment. Furthermore, two of the largest firms reporting returns on equity were below the average return for all firms in the segment, while the third was only slightly higher than the average—20.3% for United Van Lines versus 19.0% for all firms in the segment (Table 39).

Overall, the average net profit margin for firms in the industry was 3.3%. In addition, the average return on equity was 19.0% (Table 35). The five firms with the highest return on equity ratios had an average of 103.8% (Table 37). This indicates that these firms were about 5-and-a-half times more effective in returning value to their shareholders with respect to the average firm in the industry. Furthermore, these firms are more than 27 times smaller than the five largest firms in the industry. Indeed, the total revenue of the 5 largest firms in the industry is \$2.5 Billion (Table 38), while the total revenue of the 5 most profitable firms is \$93.1 Million (Table 36). Thus, carriers in this industry segment do not necessarily enjoy profitability advantages associated with the size of their operations.

Carriers in this segment handled on average 62,982 shipments and 60.5 Million tons of freight and produced 97.4 Million ton-miles on average. Their average load was 5.96 tons and their average length of haul was 884 miles (Tables 34 and 35). It should be noted, however, that this latter figure represents data from only four of the 96 firms in the sector. Among the five largest carriers, United Van Lines, generated approximately fourteen times the average tons carried by firms in the segment as well as seven times the average ton-miles (Table 36).

On average, carriers in this segment owned 82% of their trucks; 62% of their tractors; and 89% of their trailers (Table 34). Three of the five largest carriers in this segment reported information on their equipment ownership. Wherever reported, the data indicated 100% company ownership of equipment. It should be noted, however, that this segment of the trucking industry has a complex corporate structure. Many of the individual firms are agents to the parent van lines. As a consequence, these independent agents operate under the authority of the parent van lines. Thus, United Van Lines reports that there are only

#### MOVING/HOUSEHOLD GOODS CARRIERS

164 vehicle units in its fleet. This number, however, does not reflect the equipment owned by the agents who use the operating authority of the parent company (Table 38).

The five most profitable firms varied widely in their equipment ownership strategies. Two firms (Reliable Carriers and Parks Moving & Storage) owned none of their tractors, while a third Anderson Consulting owned only 9%. In contrast, Pilot Transport owned 59% of its tractors and 100% of its trailers. (Table 36). There is less variation among the five smallest companies in their equipment ownership strategies. Among the five smallest companies, two (Dealers Auto Transport and Red Line) own 100% of their tractors, while a third (Morgan & Brother Manhatttan) own 67% of their tractors. The other two carriers did not report information on their tractor ownership, although one, Parkway Auto Transport, indicated that it owned 100% of its trucks (Table 40).

One important performance dimension in the transportation sector is firm operating ratio, which compares operating expenses to operating revenues. Among all firms in this segment, the average operating ratio is 96.5 (Table 35). Among the five most profitable firms (Table 37), based on return on equity, operating ratio ranged from a low of 84.4% (Pilot Transport) to a high of 111.5% (Parks Moving & Storage). Among the five largest carriers (Table 39), the largest, United Van Lines, had an operating ratio of 97.8. Among this group of carriers, the one with the lowest operating ratio (North American Van Lines) still had a ratio of 95.5. Among the five smallest carriers (Table 41), the firm with the lowest operating ratio had a ratio of 77.2, while the highest operating ratio was 98.8. Clearly, the smallest group of carriers on average had better operating performances than did the largest carriers in this industry segment.

Table 34—Moving/Household Goods Carriers' Average Size and Operating Performance

|                        | Number of Companies | Total           |
|------------------------|---------------------|-----------------|
|                        | Reporting           |                 |
| Revenue                | 96                  | \$4,943,727,767 |
| Units in Fleet         | 87                  | 21,918          |
| Assets                 | 91                  | \$1,369,837,317 |
| Tons Carried           | 46                  | 2,783,772,528   |
| Ton-Miles              | 52                  | 5,063,725,315   |
| Shipments              | 41                  | 2,582,285       |
|                        |                     | Average         |
| Size of Load (Tons)    | 25                  | 5.96            |
| Length of Haul (Miles) | 4                   | 884             |
|                        |                     | Average         |
| Revenue Per Mile       | 44                  | \$4.49          |
| Revenue Per Ton        | 19                  | \$1.77          |
| Revenue Per Ton-Mile   | 26                  | \$8.40          |
|                        |                     | Average         |
| % of Trucks Owned      | 54                  | 82              |
| % of Tractors Owned    | 74                  | 62              |
| % of Trailers Owned    | 76                  | 89              |
| Outside Vehicle        | 35                  | \$3,025         |
| Maintenance per        |                     |                 |
| Truck/Tractor          |                     |                 |

Table 35—Moving/Household Goods Carriers' Average Financial Performance

| Operating Income  | \$1,404,293 |
|-------------------|-------------|
| Net Income        | \$1,003,818 |
| Operating Ratio   | 96.51       |
| Net Profit Margin | 3.26%       |
| Return on Equity  | 19.02%      |

### MOVING/HOUSEHOLD GOODS CARRIERS

Table 36—Moving/Household Goods Carriers' Average Size and Operating Performance: Five Most Profitable Carriers

| Carrier    | Location    | Revenue      | Units | Units Assets |         | Ton-miles   |
|------------|-------------|--------------|-------|--------------|---------|-------------|
|            |             |              | in    |              | carried |             |
|            |             |              | Fleet |              |         |             |
| Pilot      | Brighton,   | \$17,116,484 | 120   | \$3,807,237  | N/A     | N/A         |
| Transport  | MI          |              |       |              |         |             |
| Tri Star   | Houston,    | \$9,117,991  | N/A   | \$619,438    | N/A     | N/A         |
| Freight    | TX          |              |       |              |         |             |
| System     |             |              |       |              |         |             |
| Reliable   | Canton, MI  | \$56,266,572 | 332   | \$7,899,465  | 157,248 | 141,890,157 |
| Carriers   |             |              |       |              |         |             |
| Parks      | Warrendale, | \$5,308,678  | 120   | \$3,243,903  | N/A     | N/A         |
| Moving &   | PA          |              |       |              |         |             |
| Storage    |             |              |       |              |         |             |
| Anderson   | Oklahoma,   | \$5,315,486  | 45    | \$2,201,877  | 196,159 | 15,812,360  |
| Consulting | OK          |              |       |              |         |             |

| Carrier    | Total     | Average | Average | Revenue    | Revenue  | Revenue | Revenue  |
|------------|-----------|---------|---------|------------|----------|---------|----------|
|            | Shipments | Load    | Haul    | Per        | Per Mile | Per Ton | Per Ton- |
|            |           | (Tons)  | (Miles) | Shipment   |          |         | Mile     |
| Pilot      | N/A       | N/A     | N/A     | N/A        | \$2.53   | N/A     | N/A      |
| Transport  |           |         |         |            |          |         |          |
| Tri Star   | N/A       | N/A     | N/A     | N/A        | \$3.88   | N/A     | N/A      |
| Freight    |           |         |         |            |          |         |          |
| System     |           |         |         |            |          |         |          |
| Reliable   | 17,472    | 9.00    | 902     | \$3,220.39 | \$3.57   | N/A     | \$0.40   |
| Carriers   |           |         |         |            |          |         |          |
| Parks      | N/A       | N/A     | N/A     | N/A        | N/A      | N/A     | N/A      |
| Moving &   |           |         |         |            |          |         |          |
| Storage    |           |         |         |            |          |         |          |
| Anderson   | 12,499    | 9.73    | N/A     | \$425.27   | \$3.27   | N/A     | \$0.34   |
| Consulting |           |         |         |            |          |         |          |

### MOVING/HOUSEHOLD GOODS CARRIERS

Table 36—Moving/Household Goods Carriers' Average Size and Operating Performance: Five Most Profitable Carriers (Continued)

| Carrier    | % Trucks<br>Owned | % Tractors<br>Owned | % Trailers<br>Owned | Outside Vehicle<br>Maintenance per<br>Truck/Tractor |
|------------|-------------------|---------------------|---------------------|---|
| Pilot      | N/A               | 59%                 | 100%                | \$11,418  |
| Transport  |                   |                     |                     |   |
| Tri Star   | N/A               | N/A                 | N/A                 | N/A   |
| Freight    |                   |                     |                     |   |
| System     |                   |                     |                     |   |
| Reliable   | N/A               | 0%                  | 100%                | \$8,838   |
| Carriers   |                   |                     |                     |   |
| Parks      | 16%               | 0%                  | 6%                  | N/A   |
| Moving &   |                   |                     |                     |   |
| Storage    |                   |                     |                     |   |
| Anderson   | N/A               | 9%                  | 9%                  | \$1,669   |
| Consulting |                   |                     |                     |   |

Table 37—Moving/Household Goods Carriers' Average Financial Performance: Five Most Profitable Carriers

| Carrier    | Operating Income | Net Income  | Operating<br>Ratio | Net<br>Profit | Return on<br>Equity |
|------------|------------------|-------------|--------------------|---------------|---------------------|
|            |                  |             |                    | Margin        |                     |
| Pilot      | \$2,662,610      | \$3,125,208 | 84.44              | 18.26%        | 127.71%             |
| Transport  |                  |             |                    |               |                     |
| Tri Star   | \$132,493        | \$512,887   | 98.55              | 5.63%         | 118.66%             |
| Freight    |                  |             |                    |               |                     |
| System     |                  |             |                    |               |                     |
| Reliable   | \$7,152,026      | \$7,950,299 | 87.29              | 14.13%        | 103.93%             |
| Carriers   |                  |             |                    |               |                     |
| Parks      | -\$608,839       | \$841,438   | 111.47             | 15.85%        | 92.98%              |
| Moving &   |                  |             |                    |               |                     |
| Storage    |                  |             |                    |               |                     |
| Anderson   | \$519,737        | \$420,531   | 90.22              | 7.91%         | 75.52%              |
| Consulting |                  |             |                    |               |                     |

Table 38—Moving/Household Goods Carriers' Average Size and Operating Performance: Five Largest Carriers

| Carrier      | Location    | Revenue       | Units | Assets        | Tons        | Ton-miles     |
|--------------|-------------|---------------|-------|---------------|-------------|---------------|
|              |             |               | in    |               | carried     |               |
|              |             |               | Fleet |               |             |               |
| United Van   | Fenton, MO  | \$730,261,166 | 164   | \$254,898,650 | 842,919,490 | 684,010,272   |
| Lines        |             |               |       |               |             |               |
| North        | Fort Wayne, | \$642,052,000 | 3,011 | \$288,812,000 | 772,432,000 | 1,561,811,496 |
| American Van | IN          |               |       |               |             |               |
| Lines        |             |               |       |               |             |               |
| Commercial   | Troy, MI    | \$481,762,000 | N/A   | N/A           | N/A         | N/A           |
| Carriers     |             |               |       |               |             |               |
| Atlas Van    | Evansville, | \$348,409,593 | 420   | \$166,429,269 | 364,998,242 | 466,855,757   |
| Lines        | IN          |               |       |               |             |               |
| Mayflower    | Fenton, MO  | \$337,273,000 | N/A   | N/A           | N/A         | N/A           |
| Transit      |             |               |       |               |             |               |

| Carrier    | Total     | Average | Average | Revenue    | Revenue  | Revenue | Revenue  |
|------------|-----------|---------|---------|------------|----------|---------|----------|
|            | Shipments | Load    | Haul    | Per        | Per Mile | Per Ton | Per Ton- |
|            |           | (Tons)  | (Miles) | Shipment   |          |         | Mile     |
| United Van | 805,727   | 3.33    | N/A     | \$906.34   | \$3.56   | \$0.87  | \$1.07   |
| Lines      |           |         |         |            |          |         |          |
| North      | 390,132   | 7.55    | N/A     | \$1,645.73 | \$3.11   | \$0.83  | \$0.41   |
| American   |           |         |         |            |          |         |          |
| Van Lines  |           |         |         |            |          |         |          |
| Commercial | N/A       | N/A     | N/A     | N/A        | N/A      | N/A     | N/A      |
| Carriers   |           |         |         |            |          |         |          |
| Atlas Van  | 385,560   | 4.53    | N/A     | \$903.65   | \$3.38   | \$0.95  | \$0.75   |
| Lines      |           |         |         |            |          |         |          |
| Mayflower  | N/A       | N/A     | N/A     | N/A        | N/A      | N/A     | N/A      |
| Transit    |           |         |         |            |          |         |          |

Table 38—Moving/Household Goods Carriers' Average Size and Operating Performance: Five Most Largest Carriers (Continued)

| Carrier                        | % Trucks<br>Owned | % Tractors Owned | % Trailers<br>Owned | Outside Vehicle<br>Maintenance per<br>Truck/Tractor |
|--------------------------------|-------------------|------------------|---------------------|---|
| United Van<br>Lines            | N/A               | N/A              | 100%                | N/A   |
| North<br>American<br>Van Lines | 100%              | 100%             | 100%                | N/A   |
| Commercial Carriers            | N/A               | N/A              | N/A                 | N/A   |
| Atlas Van<br>Lines             | N/A               | 100%             | 100%                | N/A   |
| Mayflower<br>Transit           | N/A               | N/A              | N/A                 | N/A   |

Table 39—Moving/Household Goods Carriers' Average Financial Performance: Five Largest Carriers

| Carrier    | Operating    | Net Income   | Operating | Net Profit | Return on Equity |
|------------|--------------|--------------|-----------|------------|------------------|
|            | Income       |              | Ratio     | Margin     |                  |
| United Van | \$16,133,742 | \$8,850,009  | 97.79     | 1.21%      | 20.26%           |
| Lines      |              |              |           |            |                  |
| North      | \$28,710,000 | \$20,214,000 | 95.53     | 3.15%      | 18.79%           |
| American   |              |              |           |            |                  |
| Van Lines  |              |              |           |            |                  |
| Commercial | N/A          | N/A          | 98.90     | N/A        | N/A              |
| Carriers   |              |              |           |            |                  |
| Atlas Van  | \$10,196,228 | \$5,241,876  | 97.07     | 1.50%      | 16.43%           |
| Lines      |              |              |           |            |                  |
| Mayflower  | N/A          | N/A          | 98.90     | N/A        | N/A              |
| Transit    |              |              |           |            |                  |

Table 40—Moving/Household Goods Carriers' Average Size and Operating Performance: Five Smallest Carriers

| Carrier      | Location     | Revenue     | Units | Assets      | Tons carried | Ton-miles |
|--------------|--------------|-------------|-------|-------------|--------------|-----------|
|              |              |             | in    |             |              |           |
|              |              |             | Fleet |             |              |           |
| Nittsu New   | Closter, NJ  | \$1,812,558 | 9     | \$116,369   | N/A          | N/A       |
| York         |              |             |       |             |              |           |
| Morgan &     | Greenwich,   | \$2,126,729 | 26    | \$9,050,822 | N/A          | N/A       |
| Brother      | CT           |             |       |             |              |           |
| Manhattan    |              |             |       |             |              |           |
| Parkway Auto | Clearwater,  | \$2,670,758 | 35    | \$876,307   | 8,365        | N/A       |
| Transport    | MN           |             |       |             |              |           |
| Dealers Auto | Porterville, | \$2,722,251 | 15    | \$3,755,436 | N/A          | N/A       |
| Transport    | CA           |             |       |             |              |           |
| Red Line     | Emporia,     | \$3,174,376 | 72    | \$2,672,608 | N/A          | N/A       |
|              | KS           |             |       |             |              |           |

| Carrier      | Total     | Average | Average | Revenue    | Revenue  | Revenue | Revenue  |
|--------------|-----------|---------|---------|------------|----------|---------|----------|
|              | Shipments | Load    | Haul    | Per        | Per Mile | Per Ton | Per Ton- |
|              |           | (Tons)  | (Miles) | Shipment   |          |         | Mile     |
| Nittsu New   | N/A       | N/A     | N/A     | N/A        | N/A      | N/A     | N/A      |
| York         |           |         |         |            |          |         |          |
| Morgan &     | N/A       | N/A     | N/A     | N/A        | N/A      | N/A     | N/A      |
| Brother      |           |         |         |            |          |         |          |
| Manhattan    |           |         |         |            |          |         |          |
| Parkway Auto | 478       | N/A     | N/A     | \$5,587.36 | \$1.64   | N/A     | N/A      |
| Transport    |           |         |         |            |          |         |          |
| Dealers Auto | N/A       | N/A     | N/A     | N/A        | \$1.96   | N/A     | N/A      |
| Transport    |           |         |         |            |          |         |          |
| Red Line     | N/A       | N/A     | N/A     | N/A        | N/A      | N/A     | N/A      |

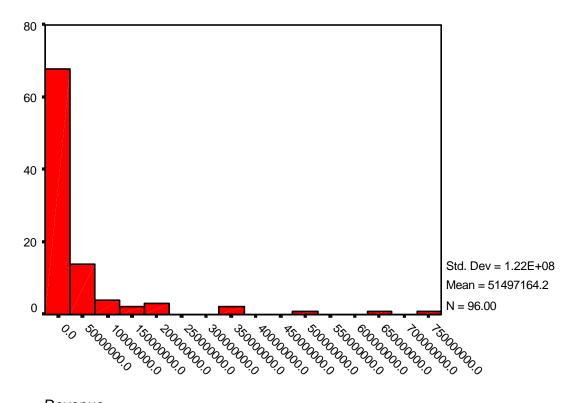
Table 40—Moving/Household Goods Carriers' Average Size and Operating Performance: Five Smallest Carriers (Continued)

| Carrier      | % Trucks | % Tractors | % Trailers | Outside Vehicle |
|--------------|----------|------------|------------|-----------------|
|              | Owned    | Owned      | Owned      | Maintenance per |
|              |          |            |            | Truck/Tractor   |
| Nittsu New   | 0%       | N/A        | N/A        | N/A             |
| York         |          |            |            |                 |
| Morgan &     | 100%     | 67%        | 78%        | N/A             |
| Brother      |          |            |            |                 |
| Manhattan    |          |            |            |                 |
| Parkway Auto | 100%     | N/A        | 100%       | \$2,611         |
| Transport    |          |            |            |                 |
| Dealers Auto | N/A      | 100%       | N/A        | \$12,871        |
| Transport    |          |            |            |                 |
| Red Line     | N/A      | 100%       | 96%        | N/A             |

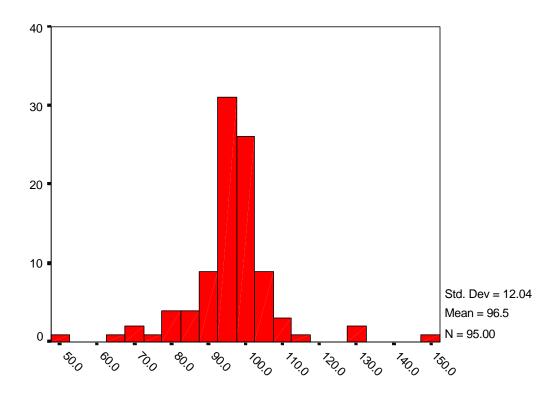
Table 41—Moving/Household Goods Carriers' Average Financial Performance: Five Smallest Carriers

| Carrier      | Operating | Net       | Operating | Net Profit | Return on Equity |
|--------------|-----------|-----------|-----------|------------|------------------|
|              | Income    | Income    | Ratio     | Margin     |                  |
| Nittsu New   | \$22,168  | \$8,591   | 98.78     | 0.47%      | 7.38%            |
| York         |           |           |           |            |                  |
| Morgan &     | \$108,139 | \$244,198 | 94.92     | 11.48%     | 25.51%           |
| Brother      |           |           |           |            |                  |
| Manhattan    |           |           |           |            |                  |
| Parkway Auto | \$608,901 | \$144,781 | 77.20     | 5.42%      | 37.67%           |
| Transport    |           |           |           |            |                  |
| Dealers Auto | \$375,879 | \$372,092 | 86.19     | 13.67%     | 10.54%           |
| Transport    |           |           |           |            |                  |
| Red Line     | \$173,402 | \$64,851  | 94.54     | 2.04%      | 5.07%            |

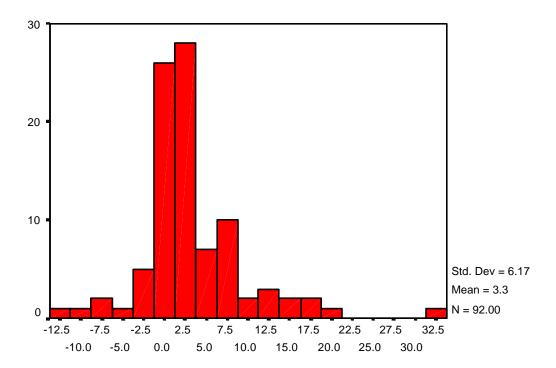
## Summary Charts and Graphs for Moving/Household Goods Carriers



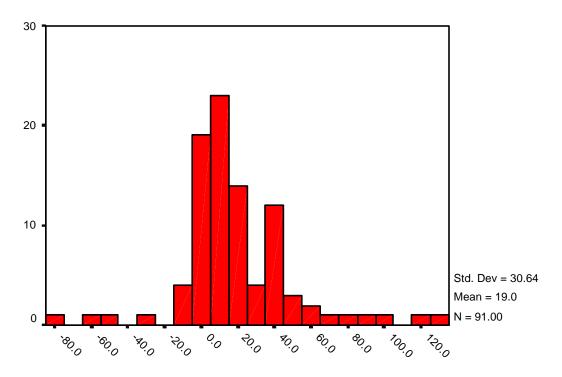
Revenue



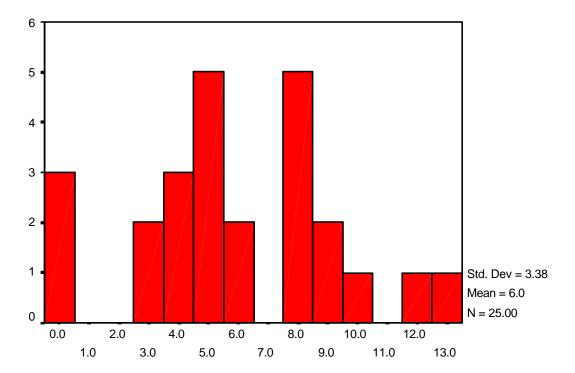
# Operating Ratio



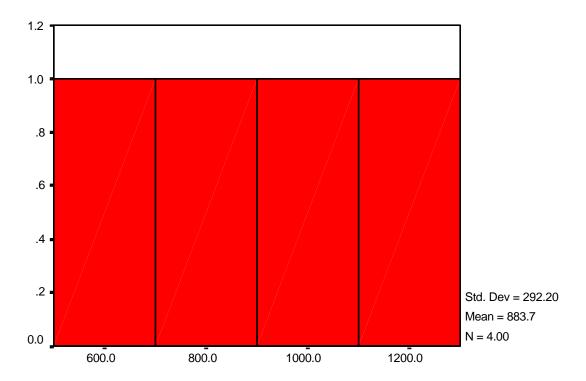
Net Profit Margin



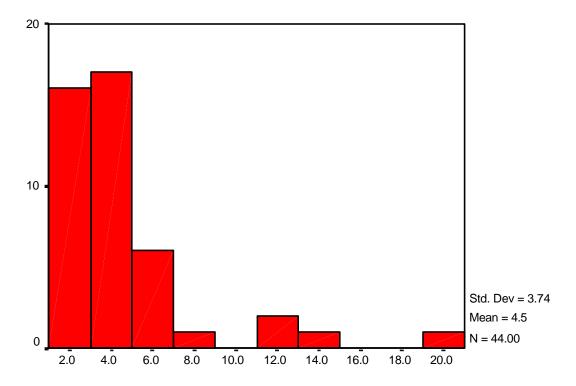
Return on Equity



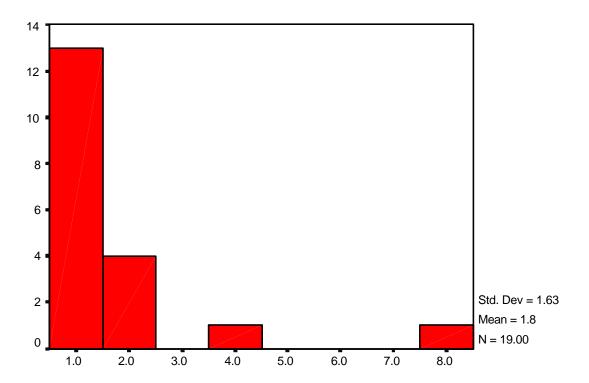
Average Load (Tons)



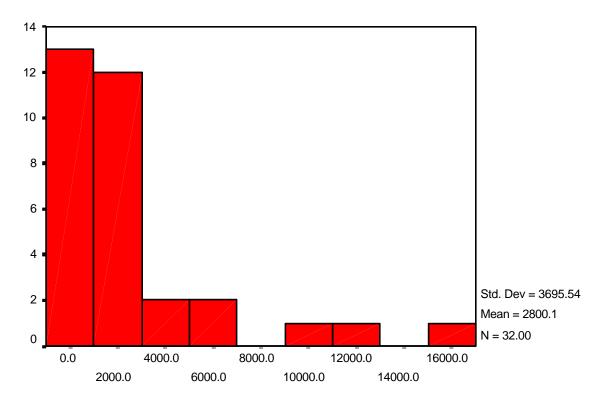




Revenue per Mile



# Revenue per Ton



Revenue per Shipment

# Summary Data for Moving/Household Goods Carriers

| Descriptive Statistics                        |                     | <del>_</del> |               |            |                |
|---|---------------------|--------------|---------------|------------|----------------|
|   | Number of Companies | Minimum      | Maximum       | Mean       | Std. Deviation |
| Financial Summary                             |                     |              |               |            |                |
| Revenue                                       | 96                  | 18,112,558   | 730,261,166   | 51,497,164 | 121,528,141    |
| Expenses                                      | 96                  | 1,790,390    | 714,127,424   | 49,876,946 | 118,093,097    |
| Operating Income                              | 92                  | (4,416,308)  | 28,710,000    | 1,404,293  | 4,040,268      |
| Net Income                                    | 93                  | (1,247,853)  | 20,214,000    | 1,003,818  | 2,636,581      |
| Total Assets                                  | 91                  | 116,369      | 288,812,000   | 15,053,157 | 43,322,696     |
| Total Liabilities                             | 90                  | 181,928      | 211,223,618   | 10,123,297 |                |
| Total Equity                                  | 91                  | (3,525,817)  | 107,569,000   | 5,041,106  | 12,716,956     |
| Operating Ratio                               | 95                  | 51           | 150           | 97         | 12             |
| Net Profit Margin                             | 92                  | -12%         | 32%           | 3%         |                |
| Return on Equity                              | 91                  | -77%         | 128%          | 19%        | 31%            |
| Individual Expense Items                      |                     |              |               |            |                |
| Drivers and Helpers Wages                     | 85                  | -            | 3,265,868     | 258,449    | 640,255        |
| Insurance                                     | 58                  | (138,097)    | 10,703,000    | 624,603    |                |
| Outside Vehicle Maintenance                   | 54                  | -            | 347,222,000   | 9,290,965  | 47,096,859     |
| Purchased Transportation                      | 60                  | -            | 4,026,535     | 311,454    | 904,969        |
| Fleet Composition                             |                     |              |               |            |                |
| (Items as a percent of total)                 |                     |              |               |            |                |
| Trucks Owned                                  | 54                  | 0%           | 100%          | 82%        | 32%            |
| Trucks Leased                                 | 54                  | 0%           | 100%          | 18%        | 32%            |
| Tractors Owned                                | 74                  | 0%           | 100%          | 62%        |                |
| Tractors Leased                               | 74                  | 0%           | 100%          | 38%        |                |
| Trailers Owned                                | 76                  | 0%           | 100%          | 89%        |                |
| Trailers Leased                               | 76                  | 0%           | 100%          | 11%        | 28%            |
| Operating Statistics                          |                     |              |               |            |                |
| Total Units in Fleet                          | 87                  | -            | 3,011         | 252        | 479            |
| Total Highway Miles                           | 64                  | -            | 2,067,495     | 16,257,635 | 40,155,99      |
| Total Tons Carried                            | 46                  | -            | 842,919,490   | 60,516,794 | 174,842,593    |
| Total Ton-Miles                               | 52                  | -            | 1,561,811,496 | 97,379,333 |                |
| Total Shipments                               | 41                  | -            | 805,727       | 62,983     |                |
| Revenue per Mile                              | 44                  | \$1.07       | \$20.05       | \$4.49     |                |
| Revenue per Ton                               | 19                  | \$0.77       | \$7.85        | \$1.77     |                |
| Revenue per Shipment                          | 32                  | \$274.78     | \$15,910.03   | \$2,800.11 | \$3,695.54     |
| Revenue per Ton-Mile                          | 26                  | \$0.12       | \$99.09       | \$8.40     | \$23.73        |
| Average Load (Tons)                           | 25                  | 0            | 13            | 6          |                |
| Average Haul (Miles)                          | 4                   | 619          | 1,286         | 884        |                |
| Outside Vehicle Maintenance per Truck/Tractor | 35                  | -            | 12,871        | 3,025      | 4,126          |
| Valid N (listwise)                            | -                   |              |               |            |                |

#### VIII. TANKER CARRIERS

#### Overview of Carriers

Tanker carriers constitute a specialized type of operations using special equipment designed for handling a variety of commodities in bulk. The majority of bulk products carried by tankers are liquids, however some dry bulk goods, such as flower and sugar are also carried by Tank Carriers. A total of 123 firms in the Tanker Carrier segment reported \$3.7 Billion in annual revenues for 1997 (Table 42). The revenues for the five largest firms account for 28.3% of all the segment's revenues. The largest firm in this segment, Chemical Leaman Tank Lines, generated 7.2% of the segment's total revenue. Three of the five largest firms in this industry segment account for 23.2% of the segment's total assets and 20.2% of the total units in the segment's fleet (Table 46).

The information summarized above suggests that there is a low level of dominance by the largest carriers in this industry segment. However, this has not prevented three of the five largest firms that reported profit margin data to realize positive performance levels. Indeed, these three firms reported net incomes fluctuating between \$6.9 and \$13.7 million. These net income figures correspond to profit margins between 4.4 and 5.2%, respectively (Table 47). In contrast, four of the five smallest carriers reported positive net profit margins. The highest profit margin among the five smallest carriers was almost 10% (Table 49).

Overall, the average net profit margin for firms in the industry was 2.7%. In addition, the average return on equity was 24.8% (Table 43). The five firms with the highest return on equity ratios had an average of 105% (Table 45). This indicates that these firms were about 4 times more effective in returning value to their shareholders with respect to the average firm in the industry. Furthermore, these firms are more than 6 times smaller than the five largest firms in the industry. Indeed, the total revenue of the 5 largest firms in the industry is \$1 Billion (Table 46), while the total revenue of the 5 most profitable firms is \$169.1 Million (Table 44). Thus, carriers in this industry segment do not necessarily enjoy profitability advantages associated with the size of their operations.

Carriers in this segment handled on average 27,900 shipments and 614,800 tons of freight and produced 190 Million ton-miles on average. Their average load was 14.6 tons and their average length of haul was 172 miles (Tables 42 and 43). Among the five largest carriers, Chemical Leaman, generated approximately 6 times the average tons carried by firms in the segment as well as 6 times the average ton-miles (Table 44).

On average, carriers in this segment owned 73% of their trucks; 55% of their tractors; and 90% of their trailers (Table 42). Operating strategies among the largest reporting carriers in this segment are quite similar. Each carrier owns approximately one third of its tractors and all of its trailers (Table 46).

The five most profitable firms varied significantly with respect to their tractor-ownership patterns. Two of the firms owned less than 12% of their tractors, while the remaining three owned at least 75% of their tractors. All five firms owned their entire trailer fleet.

#### **TANKER CARRIERS**

This suggests that various tractor ownership strategies can be equally effective in achieving profitability (Table 44). Furthermore, there is variation among the five smallest companies in their tractor ownership preferences. Among the five smallest companies, only two rely on full tractor and trailer ownership The other carriers in the group of smallest carriers rely on tractor ownership levels ranging from 27% to 59% (Table 48).

One important performance dimension in the transportation sector is firm operating ratio, which compares operating expenses to operating revenues. Among all firms in this segment, the average operating ratio is 95.6% (Table 43). Among the five most profitable firms (Table 45), based on return on equity, operating ratio ranged from a low of 80.5% (Independent Diversified Transportation) to a high of 99.7% (Transport South). Among the five largest carriers (Table 47), the largest, Chemical Leaman, had an operating ratio of 94.6%. Among this group of carriers, the one with the lowest operating ratio (Montgomery Tank Lines) still had a ratio of 92.1%. Among the five smallest carriers (Table 49), one had operating ratios in excess of 100% and the firm with the lowest operating ratio had a ratio of 85.1%. Clearly, both the smallest and the largest carriers in this industry segment had strong operating ratios.

Table 42—Tanker Carriers' Average Size and Operating Performance

|                        | Number of | Total           |
|------------------------|-----------|-----------------|
|                        | Companies |                 |
|                        | Reporting |                 |
| Revenue                | 123       | \$3,661,449,825 |
| Units in Fleet         | 116       | 54,739          |
| Assets                 | 118       | \$1,685,771,972 |
| Tons Carried           | 103       | 63,322,443      |
| Ton-Miles              | 94        | 17,844,153,667  |
| Shipments              | 99        | 2,762,118       |
|                        |           | Average         |
| Size of Load (Tons)    | 69        | 14.63           |
| Length of Haul (Miles) | 34        | 172             |
|                        |           | Average         |
| Revenue Per Mile       | 110       | \$1.87          |
| Revenue Per Ton        | 56        | \$19.62         |
| Revenue Per Ton-Mile   | 69        | \$0.16          |
|                        |           | Average         |
| % of Trucks Owned      | 29        | 73%             |
| % of Tractors Owned    | 109       | 55%             |
| % of Trailers Owned    | 111       | 90%             |
| Outside Vehicle        | 112       | \$6,574         |
| Maintenance per        |           |                 |
| Truck/Tractor          |           |                 |

Table 43—Tank Carriers' Average Financial Performance

| Operating Income  | \$1,359,527 |
|-------------------|-------------|
| Net Income        | \$891,537   |
| Operating Ratio   | 95.58       |
| Net Profit Margin | 2.73%       |
| Return on Equity  | 24.77%      |

Table 44-- Tank Carriers' Average Size and Operating Performance: Five Most Profitable Carriers

| Carrier     | Location    | Revenue      | Units | Assets       | Tons      | Ton-miles   |
|-------------|-------------|--------------|-------|--------------|-----------|-------------|
|             |             |              | in    |              | carried   |             |
|             |             |              | Fleet |              |           |             |
| Independent | Bloominton, | \$7,463,339  | 37    | \$1,096,157  | 770,354   | 68,003,145  |
| Diversified | MN          |              |       |              |           |             |
| Trptn.      |             |              |       |              |           |             |
| Transport   | Smyrna, GA  | \$39,752,870 | 157   | \$22,625,538 | 7,751,880 | N/A         |
| South       |             |              |       |              |           |             |
| Enterprise  | Houston, TX | \$82,799,546 | 1,156 | \$17,703,944 | N/A       | N/A         |
| Products    |             |              |       |              |           |             |
| Central     | High Point, | \$35,711,984 | 1,170 | \$45,802,781 | N/A       | 235,736,201 |
| Transport   | NC          |              |       |              |           |             |
| Burnett     | Buffalo, NY | \$3,415,549  | 74    | \$1,876,866  | 352,186   | N/A         |
| (George W.) |             |              |       |              |           |             |

| Carrier     | Total     | Average | Average | Revenue  | Revenue  | Revenue | Revenue  |
|-------------|-----------|---------|---------|----------|----------|---------|----------|
|             | Shipments | Load    | Haul    | Per      | Per Mile | Per Ton | Per Ton- |
|             |           | (Tons)  | (Miles) | Shipment |          |         | Mile     |
| Independent | 30,210    | 25.50   | 88.28   | \$247.05 | \$2.80   | \$9.69  | \$0.11   |
| Diversified |           |         |         |          |          |         |          |
| Trptn.      |           |         |         |          |          |         |          |
| Transport   | 280,967   | N/A     | N/A     | \$141.49 | \$1.62   | \$5.13  | N/A      |
| South       |           |         |         |          |          |         |          |
| Enterprise  | N/A       | N/A     | N/A     | N/A      | \$1.70   | N/A     | N/A      |
| Products    |           |         |         |          |          |         |          |
| Central     | N/A       | 12.12   | N/A     | N/A      | \$1.84   | N/A     | \$0.15   |
| Transport   |           |         |         |          |          |         |          |
| Burnett     | 14,239    | N/A     | N/A     | \$239.87 | \$2.01   | \$9.70  | N/A      |
| (George W.) |           |         |         |          |          |         |          |

Table 44-- Tank Carriers' Average Size and Operating Performance: Five Most Profitable Carriers (Continued)

| Carrier     | %      | %               | % Trailers | Outside Vehicle |
|-------------|--------|-----------------|------------|-----------------|
|             | Trucks | <b>Tractors</b> | Owned      | Maintenance per |
|             | Owned  | Owned           |            | Truck/Tractor   |
| Independent | N/A    | 6%              | 100%       | \$13,646        |
| Diversified |        |                 |            |                 |
| Trptn.      |        |                 |            |                 |
| Transport   | N/A    | 80%             | 100%       | \$37,728        |
| South       |        |                 |            |                 |
| Enterprise  | N/A    | 11%             | 100%       | \$2,430         |
| Products    |        |                 |            |                 |
| Central     | N/A    | 75%             | 100%       | \$904           |
| Transport   |        |                 |            |                 |
| Burnett     | N/A    | 100%            | 100%       | N/A             |
| (George W.) |        |                 |            |                 |

Table 45—Tank Carriers' Average Financial Performance: Five Most Profitable Carriers

| Carrier        | Operating   | Net         | Operating | Net Profit | Return on |
|----------------|-------------|-------------|-----------|------------|-----------|
|                | Income      | Income      | Ratio     | Margin     | Equity    |
| Independent    | \$1,458,349 | \$1,486,699 | 80.46     | 19.92%     | 177.76%   |
| Diversified    |             |             |           |            |           |
| Transportation |             |             |           |            |           |
| Transport      | \$122,413   | \$8,642,371 | 99.69     | 21.74%     | 107.30%   |
| South          |             |             |           |            |           |
| Enterprise     | \$2,148,546 | \$2,125,546 | 97.41     | 2.57%      | 100.02%   |
| Products       |             |             |           |            |           |
| Central        | \$3,290,158 | \$551,043   | 90.79     | 1.54%      | 100.00%   |
| Transport      |             |             |           |            |           |
| Burnett        | \$249,565   | \$1,051,126 | 92.69     | 30.77%     | 99.84%    |
| (George W.)    |             |             |           |            |           |

Table 46-- Tank Carriers' Average Size and Operating Performance: Five Largest Carriers

| Carrier     | Location    | Revenue       | Units | Assets        | Tons      | Ton-miles  |
|-------------|-------------|---------------|-------|---------------|-----------|------------|
|             |             |               | in    |               | carried   | (in        |
|             |             |               | Fleet |               |           | Thousands) |
| Chemical    | Exton, PA   | \$262,135,130 | 4,420 | \$135,297,039 | 3,655,166 | 1,140,289  |
| Leaman Tank |             |               |       |               |           |            |
| Lines       |             |               |       |               |           |            |
| Montgomery  | Plant City, | \$252,942,603 | 4,376 | \$178,347,165 | N/A       | 1,552,667  |
| Tank Lines  | FL          |               |       |               |           |            |
| Matlack     | Wilmington, | \$231,709,000 | N/A   | N/A           | N/A       | N/A        |
|             | DE          |               |       |               |           |            |
| DSI         | Houston,    | \$159,211,948 | 2,240 | \$77,020,000  | N/A       | N/A        |
| Transports  | TX          |               |       |               |           |            |
| Superior    | Oak Brook,  | \$129,787,000 | N/A   | N/A           | N/A       | N/A        |
| Carriers    | IL          |               |       |               |           |            |

| Carrier     | Total     | Average | Average | Revenue    | Revenue  | Revenue | Revenue  |
|-------------|-----------|---------|---------|------------|----------|---------|----------|
|             | Shipments | Load    | Haul    | Per        | Per Mile | Per Ton | Per Ton- |
|             |           | (Tons)  | (Miles) | Shipment   |          |         | Mile     |
| Chemical    | 216,282   | 9.97    | 312     | \$1,212.01 | \$2.29   | \$71.72 | \$0.23   |
| Leaman Tank |           |         |         |            |          |         |          |
| Lines       |           |         |         |            |          |         |          |
| Montgomery  | N/A       | 10.86   | N/A     | N/A        | \$1.77   | N/A     | \$0.16   |
| Tank Lines  |           |         |         |            |          |         |          |
| Matlack     | N/A       | N/A     | N/A     | N/A        | N/A      | N/A     | N/A      |
| DSI         | N/A       | N/A     | N/A     | N/A        | \$1.58   | N/A     | N/A      |
| Transports  |           |         |         |            |          |         |          |
| Superior    | N/A       | N/A     | N/A     | N/A        | N/A      | N/A     | N/A      |
| Carriers    |           |         |         |            |          |         |          |

Table 46-- Tank Carriers' Average Size and Operating Performance: Five Largest Carriers (Continued)

| Carrier        | % Trucks | % Tractors | % Trailers | Outside Vehicle |
|----------------|----------|------------|------------|-----------------|
|                | Owned    | Owned      | Owned      | Maintenance per |
|                |          |            |            | Truck/Tractor   |
| Chemical       | N/A      | 29%        | 100%       | \$2,123         |
| Leaman Tank    |          |            |            |                 |
| Lines          |          |            |            |                 |
| Montgomery     | N/A      | 34%        | 100%       | \$2,973         |
| Tank Lines     |          |            |            |                 |
| Matlack        | N/A      | N/A        | N/A        | N/A             |
| DSI Transports | N/A      | 37%        | 100%       | \$2,759         |
| Superior       | N/A      | N/A        | N/A        | N/A             |
| Carriers       |          |            |            |                 |

# TANKER CARRIERS

Table 47—Tank Carriers' Average Financial Performance: Five Largest Carriers

| Carrier        | Operating    | Net Income   | Operating | Net Profit | Return on |
|----------------|--------------|--------------|-----------|------------|-----------|
|                | Income       |              | Ratio     | Margin     | Equity    |
| Chemical       | \$14,071,333 | \$13,740,238 | 94.63     | 5.24%      | 18.37%    |
| Leaman Tank    |              |              |           |            |           |
| Lines          |              |              |           |            |           |
| Montgomery     | \$19,977,128 | \$10,224,947 | 92.10     | 4.04%      | 12.89%    |
| Tank Lines     |              |              |           |            |           |
| Matlack        | N/A          | N/A          | 97.00     | N/A        | N/A       |
| DSI Transports | \$9,275,880  | \$6,932,321  | 94.17     | 4.35%      | 22.82%    |
| Superior       | N/A          | N/A          | 93.20     | N/A        | N/A       |
| Carriers       |              |              |           |            |           |

Table 48-- Tank Carriers' Average Size and Operating Performance: Five Smallest Carriers

| Carrier   | Location     | Revenue     | Units | Assets      | Tons    | Ton-miles  |
|-----------|--------------|-------------|-------|-------------|---------|------------|
|           |              |             | in    |             | carried |            |
|           |              |             | Fleet |             |         |            |
| Hazen     | Ellwood      | \$1,176,214 | 12    | \$1,524,568 | N/A     | N/A        |
| Petroleum | City, PA     |             |       |             |         |            |
| Sunbelt   | Atmore, AL   | \$1,934,650 | N/A   | \$6,561,693 | N/A     | N/A        |
| Chemicals |              |             |       |             |         |            |
| M.P.C.    | Kimberton,   | \$2,369,379 | 80    | \$1,659,639 | 70,125  | N/A        |
| Trucking  | PA           |             |       |             |         |            |
| CBW       | Wood River,  | \$2,702,935 | 84    | \$1,032,388 | 187,047 | 12,865,229 |
| Transport | IL           |             |       |             |         |            |
| Service   |              |             |       |             |         |            |
| System    | Signal Hill, | \$3,063,217 | 57    | \$1,335,398 | N/A     | N/A        |
| Transport | CA           |             |       |             |         |            |

| Carrier   | Total | Average | Average | Revenue    | Revenue  | Revenue | Revenue  |
|-----------|-------|---------|---------|------------|----------|---------|----------|
|           | Ship- | Load    | Haul    | Per        | Per Mile | Per Ton | Per Ton- |
|           | ments | (Tons)  | (Miles) | Shipment   |          |         | Mile     |
| Hazen     | N/A   | N/A     | N/A     | N/A        | N/A      | N/A     | N/A      |
| Petroleum |       |         |         |            |          |         |          |
| Sunbelt   | N/A   | N/A     | N/A     | N/A        | \$0.95   | N/A     | N/A      |
| Chemicals |       |         |         |            |          |         |          |
| M.P.C.    | 2,505 | N/A     | N/A     | \$945.86   | \$1.92   | \$33.79 | N/A      |
| Trucking  |       |         |         |            |          |         |          |
| CBW       | 8,168 | 11.34   | 68.78   | \$330.92   | \$2.38   | \$14.45 | \$0.21   |
| Transport |       |         |         |            |          |         |          |
| Service   |       |         |         |            |          |         |          |
| System    | 2,520 | N/A     | N/A     | \$1,215.56 | \$4.64   | N/A     | N/A      |
| Transport |       |         |         |            |          |         |          |

### TANKER CARRIERS

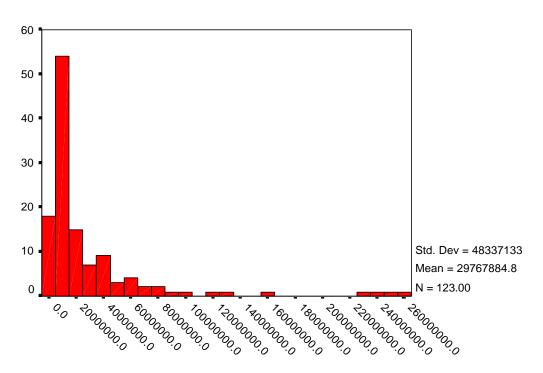
Table 48-- Tank Carriers' Average Size and Operating Performance: Five Smallest Carriers (Continued)

| Carrier   | % Trucks<br>Owned | % Tractors<br>Owned | % Trailers<br>Owned | Outside Vehicle<br>Maintenance per<br>Truck/Tractor |
|-----------|-------------------|---------------------|---------------------|---|
| Hazen     | 100%              | 100%                | 100%                | \$6,691   |
| Petroleum |                   |                     |                     |   |
| Sunbelt   | N/A               | N/A                 | N/A                 | N/A   |
| Chemicals |                   |                     |                     |   |
| M.P.C.    | N/A               | 100%                | 100%                | \$10,240  |
| Trucking  |                   |                     |                     |   |
| CBW       | N/A               | 59%                 | 100%                | \$2,983   |
| Transport |                   |                     |                     |   |
| Service   |                   |                     |                     |   |
| System    | 0%                | 27%                 | 94%                 | \$4,984   |
| Transport |                   |                     |                     |   |

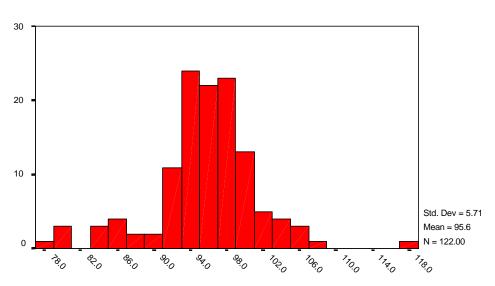
Table 49—Tank Carriers' Average Financial Performance: Five Smallest Carriers

| Carrier   | Operating | Net        | Operating | Net Profit | <b>Return on Equity</b> |
|-----------|-----------|------------|-----------|------------|-------------------------|
|           | Income    | Income     | Ratio     | Margin     |                         |
| Hazen     | -\$19,948 | \$33,087   | 101.70    | 2.81%      | 10.12%                  |
| Petroleum |           |            |           |            |                         |
| Sunbelt   | \$287,426 | -\$566,765 | 85.14     | -29.30%    | N/A                     |
| Chemicals |           |            |           |            |                         |
| M.P.C.    | \$339,840 | \$235,973  | 85.66     | 9.96%      | 16.08%                  |
| Trucking  |           |            |           |            |                         |
| CBW       | \$13,978  | \$174,206  | 99.48     | 6.45%      | 33.27%                  |
| Transport |           |            |           |            |                         |
| Service   |           |            |           |            |                         |
| System    | \$164,765 | \$137,363  | 94.62     | 4.48%      | 14.73%                  |
| Transport |           |            |           |            |                         |

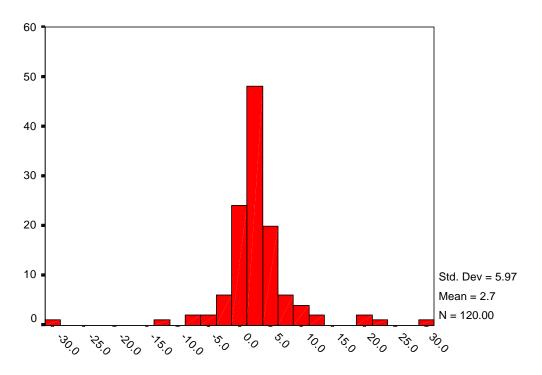
## **Summary Charts and Graphs for Tanker Carriers**



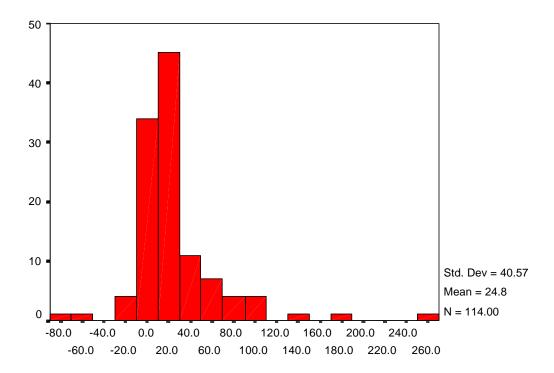
### Revenue



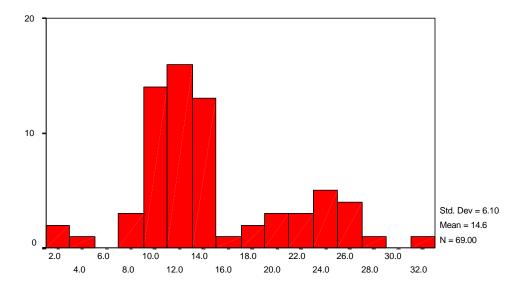
Operating Ratio



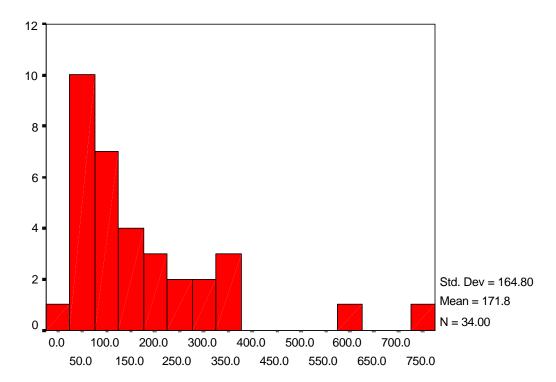
Net Profit Margin



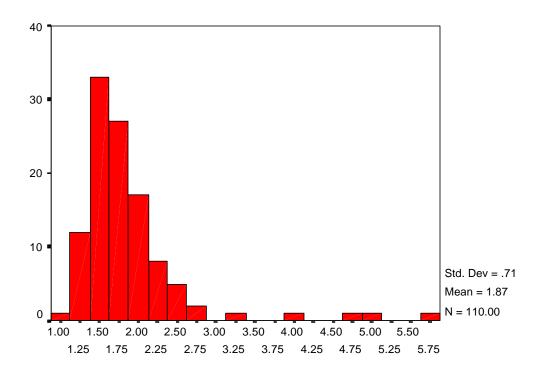
Return on Equity



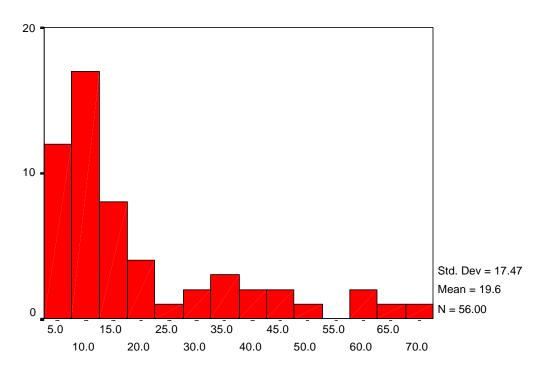
Average Load (Tons)



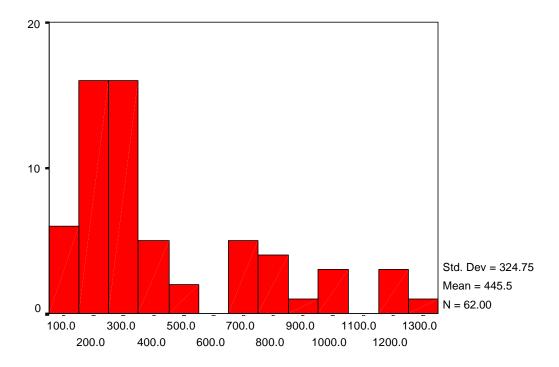
Average Haul (Miles)



### Revenue per Mile



Revenue per Ton



Revenue per Shipment

# **Summary Data for Tanker Carriers**

| Tanker Carriers                               |                     |             |               |             |                |
|---|---------------------|-------------|---------------|-------------|----------------|
| Descriptive Statistics                        | 1                   | L           |               |             | <u> </u>       |
| ·   | Number of Companies | Minimum     | Maximum       | Mean        | Std. Deviation |
| Financial Summary                             |                     |             |               |             |                |
| Revenue                                       | 123                 | 1,176,214   | 262,135,130   | 29,767,885  | 48,337,133     |
| Expenses                                      | 123                 | _           | 248,063,797   | 26,362,029  | 41,952,349     |
| Operating Income                              | 120                 | (809,818)   | 19,977,128    | 1,359,527   | 2,682,039      |
| Net Income                                    | 120                 | (1,083,777) | 13,740,238    | 891,537     | 2,002,832      |
| Total Assets                                  | 118                 | -           | 178,347,165   | 14,286,203  | 24,973,864     |
| Total Liabilities                             | 118                 | _           | 99,026,947    | 8,145,496   | 13,950,249     |
| Total Equity                                  | 118                 | (1,738,689) | 79,320,218    | 6,140,699   | 12,340,364     |
| Operating Ratio                               | 122                 | 79          | 118           | 96          | (              |
| Net Profit Margin                             | 120                 | -29%        | 31%           | 3%          | 6%             |
| Return on Equity                              | 114                 | -88%        | 260%          | 25%         | 40%            |
| Individual Expense Items                      |                     |             |               |             |                |
| Drivers and Helpers Wages                     | 65                  | -           | 4,998,427     | 1,374,222   | 1,080,151      |
| Insurance                                     | 115                 | -           | 6,275,709     | 765,615     | 1,100,060      |
| Outside Vehicle Maintenance                   | 115                 | -           | 3,849,831     | 667,628     |                |
| Purchased Transportation                      | 65                  | (28,696)    | 12,181,174    | 1,720,624   |                |
| Fleet Composition                             |                     |             |               |             |                |
| (Items as a percent of total)                 |                     |             |               |             |                |
| Trucks Owned                                  | 29                  | 0%          | 100%          | 73%         | 39%            |
| Trucks Leased                                 | 29                  | 0%          | 100%          | 27%         | 39%            |
| Tractors Owned                                | 109                 | 0%          | 100%          | 55%         | 37%            |
| Tractors Leased                               | 109                 | 0%          | 100%          | 45%         | 37%            |
| Trailers Owned                                | 111                 | 0%          | 100%          | 90%         | 26%            |
| Trailers Leased                               | 111                 | 0%          | 100%          | 10%         | 26%            |
| Operating Statistics                          |                     |             |               |             |                |
| Total Units in Fleet                          | 116                 | 12          | 4,420         | 472         | 694            |
| Total Highway Miles                           | 116                 | -           | 142,942,631   | 14,623,035  | 22,229,918     |
| Total Tons Carried                            | 103                 | -           | 7,751,880     | 614,781     | 1,182,683      |
| Total Ton-Miles                               | 94                  | -           | 1,552,667,425 | 189,831,422 | 300,556,95     |
| Total Shipments                               | 99                  | -           | 280,967       | 27,900      | 47,125         |
| Revenue per Mile                              | 110                 | \$0.95      | \$5.71        | \$1.87      | \$0.7          |
| Revenue per Ton                               | 56                  | \$3.13      | \$71.72       | \$19.62     | \$17.47        |
| Revenue per Shipment                          | 62                  | \$125.09    | \$1,347.29    | \$445.49    | \$324.75       |
| Revenue per Ton-Mile                          | 69                  | \$0.05      | \$1.30        | \$0.16      | \$0.16         |
| Average Load (Tons)                           | 69                  | 3           | 32            | 15          | (              |
| Average Haul (Miles)                          | 34                  | 19          | 757           | 172         | 16             |
| Outside Vehicle Maintenance per Truck/Tractor | 112                 | -           | 123,029       | 6,574       |                |
| Valid N (listwise)                            | 2                   |             |               |             |                |
| \   |                     |             |               |             | <u> </u>       |

#### IX. REFRIGERATED CARRIERS

#### Overview of Carriers

Refrigerated carriers transport perishable products that require special refrigeration or temperature-controlled equipment. A total of 126 firms in the industry segment of refrigerated carriers reported \$4.6 Billion in annual revenues for 1997 (Table 50). The revenues for the five largest firms account for 31.5% of all the segment's revenues. The largest firm in this segment, New Prime, generated 7.5% of the segment's total revenue. Only two of the five largest firms in this industry segment reported data on their assets and fleet size. Together, these two firms account for 6.4% of the segment's total assets and 13.5% of the total units in the segment's fleet (Table 54).

The information summarized above suggests that there is a high level of competition in this industry segment. However, this has not prevented carriers from generating positive profit margins. Two of the five largest firms reported net incomes of \$39.3 and \$8.7 million, respectively. These net incomes resulted in a net profit margin of 11.4% and 3.6%, respectively. In addition, the five smallest carriers in the segment reported positive net profit margins. Indeed, profit margins among the five smallest firms ranged from 0.5% to 15.5% (Table 57).

Overall, the average net profit margin for firms in the industry was 2.2%. In addition, the average return on equity was 15.3% (Table 51). The five firms with the highest return on equity ratios had an average of 148.3% (Table 53). This indicates that these firms were almost 10 times more effective in returning value to their shareholders with respect to the average firm in the industry. Furthermore, these firms are almost 25 times smaller than the five largest firms in the industry. Indeed, the total revenue of the 5 largest firms in the industry is \$1.4 Billion (Table 54), while the total revenue of the 5 most profitable firms is \$58.1 Million (Table 52). Thus, carriers in this industry segment do not necessarily enjoy profitability advantages associated with the size of their operations.

Carriers in this segment handled on average 19,848 shipments and 297,000 tons of freight and produced 289 Million ton-miles on average. Their average load was 16.5 tons and their average length of haul was 927 miles (Tables 50 and 51). Among the five largest carriers, New Prime, generated approximately 17 times the average tons carried by firms in the segment (Table 52).

On average, carriers in this segment owned 69% of their trucks; 47% of their tractors; and 84% of their trailers (Table 50). Two of the 5 largest carriers in the segment reported information about their fleet ownership. Among these 2 firms, one owned none of their tractors and all of their trailers, while the other owned all of its tractors and trailers (Table 54).

Four of the five most profitable firms owned less than 10% of their tractors with three owning none of their tractors. Only one firm in the group relied exclusively on owned equipment (Western Refrigerated Freight Services). This suggests that neither an all

#### REFRIGERATED CARRIERS

owner-operator nor an all-company driver strategy is a key factor in devising a profitable business approach in this industry (Table 52). There is, however, a tendency among these three firms to favor owner operator fleets.

The fleet ownership information reported by three of the five smallest carriers also indicates a lack of uniformity with regards to fleet ownership strategies. Two of the three reporting firms indicated that they exclusively use owner operators for their tractors. The third firm, in contrast, owns 69% of its tractors (Table 56).

One important performance dimension in the transportation sector is firm operating ratio, which compares operating expenses to operating revenues. Among all firms in this segment, the average operating ratio is 97.0% (Table 51). Among the five most profitable firms (Table 52), based on return on equity, operating ratio ranged from a low of 73.8% (Western Refrigerated Freight Services) to a high of 97% (Hames Trucking). Among the five largest carriers (Table 55), the largest, New Prime, had an operating ratio of 86.9. This ratio was the smallest (most profitable) of any of the five largest carriers. Indeed the five largest carriers in the segment reported operating ratios that ranged from 86.9% (the best) to 98.8% (the worst). All of these ratios are above the breakeven point.

On the other hand, among the five smallest carriers (Table 57), three had operating ratios in excess of 100 and the firm with the lowest operating ratio still had a ratio of 97.8%. Clearly, the largest carriers in this industry segment had better operating ratios than the smallest firms in the industry.

Table 50—Refrigerated Carriers' Average Size and Operating Performance

|                        | Number of | Total           |
|------------------------|-----------|-----------------|
|                        | Companies |                 |
|                        | Reporting |                 |
| Revenue                | 126       | \$4,590,125,446 |
| Units in Fleet         | 121       | 56,218          |
| Assets                 | 122       | \$1,855,410,304 |
| Tons Carried           | 97        | 28,840,042      |
| Ton-Miles              | 104       | 30,052,117,704  |
| Shipments              | 97        | 1,925,317       |
|                        |           | Average         |
| Size of Load (Tons)    | 55        | 16.47           |
| Length of Haul (Miles) | 32        | 927             |
|                        |           | Average         |
| Revenue Per Mile       | 105       | \$1.39          |
| Revenue Per Ton        | 49        | \$65.76         |
| Revenue Per Ton-Mile   | 58        | \$0.14          |
|                        |           | Average         |
| % of Trucks Owned      | 34        | 69%             |
| % of Tractors Owned    | 106       | 47%             |
| % of Trailers Owned    | 114       | 84%             |
| Outside Vehicle        | 108       | \$4,291         |
| Maintenance per        |           |                 |
| Truck/Tractor          |           |                 |

Table 51—Refrigerated Carriers' Average Financial Performance

| Operating Income  | \$963,545 |
|-------------------|-----------|
| Net Income        | \$475,005 |
| Operating Ratio   | 96.95     |
| Net Profit Margin | 2.19%     |
| Return on Equity  | 15.27%    |

Table 52—Refrigerated Carriers' Average Size and Operating Performance: Five Most Profitable Carriers

| Carrier        | Location    | Revenue      | Units<br>in<br>Fleet | Assets      | Tons<br>carried | Ton-<br>miles |
|----------------|-------------|--------------|----------------------|-------------|-----------------|---------------|
| Western        | Phoenix,    | \$3,813,321  | 44                   | \$877,051   | 48,056          | N/A           |
| Refrigerated   | AZ          |              |                      |             |                 |               |
| Freight Svcs   |             |              |                      |             |                 |               |
| Hames          | East Point, | \$5,608,960  | 20                   | \$635,268   | N/A             | N/A           |
| Trucking       | GA          |              |                      |             |                 |               |
| Am Can         | Anderson,   | \$20,499,905 | 83                   | \$3,406,214 | 109,537         | N/A           |
| Transport      | SC          |              |                      |             |                 |               |
| Service        |             |              |                      |             |                 |               |
| National Food  | Grand       | \$3,586,091  | 205                  | \$1,376,188 | 49,647          | N/A           |
| Express        | Rapids, MI  |              |                      |             |                 |               |
| Excel          | Wichita,    | \$24,548,598 | 313                  | \$2,714,459 | N/A             | N/A           |
| Transportation | KS          |              |                      |             |                 |               |

| Carrier        | Total     | Average | Average | Revenue    | Revenue  | Revenue  | Revenue  |
|----------------|-----------|---------|---------|------------|----------|----------|----------|
|                | Shipments | Load    | Haul    | Per        | Per Mile | Per Ton  | Per Ton- |
|                |           | (Tons)  | (Miles) | Shipment   |          |          | Mile     |
| Western        | 2,574     | N/A     | N/A     | \$1,481.48 | N/A      | \$79.35  | N/A      |
| Refrigerated   |           |         |         |            |          |          |          |
| Freight Svcs   |           |         |         |            |          |          |          |
| Hames          | N/A       | N/A     | N/A     | N/A        | \$2.50   | N/A      | N/A      |
| Trucking       |           |         |         |            |          |          |          |
| Am Can         | 31,863    | N/A     | N/A     | \$643.38   | \$1.80   | \$187.15 | N/A      |
| Transport      |           |         |         |            |          |          |          |
| Service        |           |         |         |            |          |          |          |
| National Food  | 2,613     | N/A     | N/A     | \$1,372.40 | \$1.95   | \$72.23  | N/A      |
| Express        |           |         |         |            |          |          |          |
| Excel          | N/A       | N/A     | N/A     | N/A        | N/A      | N/A      | N/A      |
| Transportation |           |         |         |            |          |          |          |

Table 52—Refrigerated Carriers' Average Size and Operating Performance: Five Most Profitable Carriers (Continued)

| Carrier        | %<br>Trucks | % Tractors Owned | % Trailers Owned | Outside Vehicle<br>Maintenance per |
|----------------|-------------|------------------|------------------|------------------------------------|
|                | Owned       |                  |                  | Truck/Tractor                      |
| Western        | N/A         | 100%             | 100%             | \$4,884                            |
| Refrigerated   |             |                  |                  |                                    |
| Freight Svcs   |             |                  |                  |                                    |
| Hames          | N/A         | 0%               | N/A              | N/A                                |
| Trucking       |             |                  |                  |                                    |
| Am Can         | N/A         | 9%               | 100%             | \$2,843                            |
| Transport      |             |                  |                  |                                    |
| Service        |             |                  |                  |                                    |
| National Food  | N/A         | 0%               | 52%              | \$7,601                            |
| Express        |             |                  |                  |                                    |
| Excel          | N/A         | 0%               | 100%             | \$726                              |
| Transportation |             |                  |                  |                                    |

Table 53—Refrigerated Carriers' Average Financial Performance: Five Most Profitable Carriers

| Carrier        | Operating   | Net         | Operating | Net Profit | Return on |
|----------------|-------------|-------------|-----------|------------|-----------|
|                | Income      | Income      | Ratio     | Margin     | Equity    |
| Western        | \$999,092   | \$994,608   | 73.80     | 26.08%     | 178.26%   |
| Refrigerated   |             |             |           |            |           |
| Freight Svcs   |             |             |           |            |           |
| Hames          | \$169,327   | \$169,327   | 96.98     | 3.02%      | 167.16%   |
| Trucking       |             |             |           |            |           |
| Am Can         | \$3,871,807 | \$3,871,807 | 81.08     | 18.89%     | 166.42%   |
| Transport      |             |             |           |            |           |
| Service        |             |             |           |            |           |
| National Food  | \$623,252   | \$623,252   | 88.07     | 17.38%     | 115.05%   |
| Express        |             |             |           |            |           |
| Excel          | \$879,034   | \$879,034   | 94.34     | 3.58%      | 114.34%   |
| Transportation |             |             |           |            |           |

Table 54—Refrigerated Carriers' Average Size and Operating Performance: Five Largest Carriers

| Carrier       | Location     | Revenue       | Units    | Assets       | Tons      | Ton-miles     |
|---------------|--------------|---------------|----------|--------------|-----------|---------------|
|               |              |               | in Fleet |              | carried   |               |
| New Prime     | Springfield, | \$345,422,841 | 4,329    | \$26,857,423 | 5,116,703 | N/A           |
|               | MO           |               |          |              |           |               |
| C R England   | Salt Lake    | \$315,555,000 | N/A      | N/A          | N/A       | N/A           |
| & Sons        | City, UT     |               |          |              |           |               |
| Ameritruck    | Fort Worth,  | \$291,552,000 | N/A      | N/A          | N/A       | N/A           |
| Distribution  | TX           |               |          |              |           |               |
| Rocor         | Oklahoma     | \$253,577,000 | N/A      | N/A          | N/A       | N/A           |
| International | City, OK     |               |          |              |           |               |
| F.F.E.        | Dallas, TX   | \$241,173,387 | 3,283    | \$92,076,193 | 2,733,455 | 2,894,895,127 |
| Transporta-   |              |               |          |              |           |               |
| tion Service  |              |               |          |              |           |               |

| Carrier       | Total     | Average | Average | Revenue    | Revenue  | Revenue | Revenue  |
|---------------|-----------|---------|---------|------------|----------|---------|----------|
|               | Shipments | Load    | Haul    | Per        | Per Mile | Per Ton | Per Ton- |
|               |           | (Tons)  | (Miles) | Shipment   |          |         | Mile     |
| New Prime     | 227,409   | N/A     | N/A     | \$1,518.95 | \$1.11   | \$67.51 | N/A      |
| C R England   | N/A       | N/A     | N/A     | N/A        | N/A      | N/A     | N/A      |
| & Sons        |           |         |         |            |          |         |          |
| Ameritruck    | N/A       | N/A     | N/A     | N/A        | N/A      | N/A     | N/A      |
| Distribution  |           |         |         |            |          |         |          |
| Rocor         | N/A       | N/A     | N/A     | N/A        | N/A      | N/A     | N/A      |
| International |           |         |         |            |          |         |          |
| F.F.E.        | 419,642   | 19.38   | 1,059   | \$574.71   | \$1.61   | \$88.23 | \$0.08   |
| Transporta-   |           |         |         |            |          |         |          |
| tion Service  |           |         |         |            |          |         |          |

Table 54—Refrigerated Carriers' Average Size and Operating Performance: Five Largest Carriers

| Carrier       | % Trucks | % Tractors | % Trailers | Outside Vehicle |
|---------------|----------|------------|------------|-----------------|
|               | Owned    | Owned      | Owned      | Maintenance per |
|               |          |            |            | Truck/Tractor   |
| New Prime     | N/A      | 100%       | 100%       | N/A             |
| C R England   | N/A      | N/A        | N/A        | \$1,882         |
| & Sons        |          |            |            |                 |
| Ameritruck    | N/A      | N/A        | N/A        | N/A             |
| Distribution  |          |            |            |                 |
| Rocor         | N/A      | N/A        | N/A        | N/A             |
| International |          |            |            |                 |
| F.F.E.        | N/A      | 0%         | 100%       | \$11,358        |
| Transporta-   |          |            |            |                 |
| tion Service  |          |            |            |                 |

Table 55—Refrigerated Carriers' Average Financial Performance: Five Largest Carriers

| Carrier       | Operating<br>Income | Net Income   | Operating<br>Ratio | Net<br>Profit | Return on<br>Equity |
|---------------|---------------------|--------------|--------------------|---------------|---------------------|
|               | meome               |              | Ratio              | Margin        | Equity              |
| New Prime     | \$45,293,662        | \$39,323,180 | 86.89              | 11.38%        | 29.43%              |
| C R England   | N/A                 | N/A          | 94.10              | N/A           | N/A                 |
| & Sons        |                     |              |                    |               |                     |
| Ameritruck    | N/A                 | N/A          | 98.60              | N/A           | N/A                 |
| Distribution  |                     |              |                    |               |                     |
| Rocor         | N/A                 | N/A          | 98.80              | N/A           | N/A                 |
| International |                     |              |                    |               |                     |
| F.F.E.        | \$12,711,043        | \$8,656,822  | 94.73              | 3.59%         | 10.34%              |
| Transporta-   |                     |              |                    |               |                     |
| tion Service  |                     |              |                    |               |                     |

Table 56—Refrigerated Carriers' Average Size and Operating Performance: Five Smallest Carriers

| Carrier        | Location  | Revenue     | Units | Assets      | Tons    | Ton-miles  |
|----------------|-----------|-------------|-------|-------------|---------|------------|
|                |           |             | in    |             | carried |            |
|                |           |             | Fleet |             |         |            |
| Conte          | Ocoee,    | \$2,173,279 | N/A   | \$106,726   | N/A     | N/A        |
| Transportation | FL        |             |       |             |         |            |
| Greenstein     | Pompano   | \$2,279,154 | 22    | \$406,215   | 54,912  | 24,668,490 |
| Trucking       | Beach,    |             |       |             |         |            |
|                | FL        |             |       |             |         |            |
| Altman         | Fenelton, | \$2,954,297 | 66    | \$894,202   | N/A     | N/A        |
| (William B.)   | PA        |             |       |             |         |            |
| Vitalis Truck  | Des       | \$2,975,740 | 160   | \$4,287,338 | 63,235  | 24,169,777 |
| Lines          | Moines,   |             |       |             |         |            |
|                | IA        |             |       |             |         |            |
| Minnesota      | New       | \$3,149,776 | 62    | \$45,324    | 46,905  | N/A        |
| Valley         | Ulm, MN   |             |       |             |         |            |
| Transport      |           |             |       |             |         |            |

| Carrier        | Total     | Average | Average | Revenue         | Revenue  | Revenue | Revenue  |
|----------------|-----------|---------|---------|-----------------|----------|---------|----------|
|                | Shipments | Load    | Haul    | Per             | Per Mile | Per Ton | Per Ton- |
|                |           | (Tons)  | (Miles) | <b>Shipment</b> |          |         | Mile     |
| Conte          | N/A       | N/A     | N/A     | N/A             | N/A      | N/A     | N/A      |
| Transportation |           |         |         |                 |          |         |          |
| Greenstein     | 3,328     | 16.84   | 449     | \$684.84        | \$1.56   | \$41.51 | \$0.09   |
| Trucking       |           |         |         |                 |          |         |          |
| Altman         | N/A       | N/A     | N/A     | N/A             | \$1.39   | N/A     | N/A      |
| (William B.)   |           |         |         |                 |          |         |          |
| Vitalis Truck  | 4,074     | 12.26   | 382     | \$730.42        | \$1.51   | \$47.06 | \$0.12   |
| Lines          |           |         |         |                 |          |         |          |
| Minnesota      | 2,893     | N/A     | N/A     | N/A             | \$1.06   | \$67.15 | N/A      |
| Valley         |           |         |         |                 |          |         |          |
| Transport      |           |         |         |                 |          |         |          |

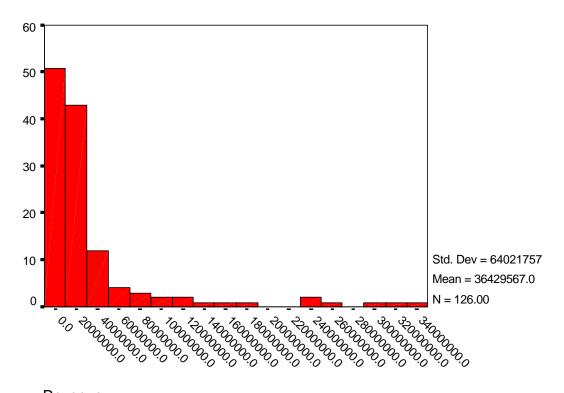
Table 56—Refrigerated Carriers' Average Size and Operating Performance: Five Smallest Carriers

| Carrier        | % Trucks<br>Owned | % Tractors<br>Owned | % Trailers<br>Owned | Outside Vehicle<br>Maintenance per<br>Truck/Tractor |
|----------------|-------------------|---------------------|---------------------|---|
| Conte          | N/A               | N/A                 | N/A                 | N/A   |
| Transportation |                   |                     |                     |   |
| Greenstein     | N/A               | N/A                 | 100%                | N/A   |
| Trucking       |                   |                     |                     |   |
| Altman         | 0%                | 0%                  | 0%                  | \$4,768   |
| (William B.)   |                   |                     |                     |   |
| Vitalis Truck  | 100%              | 69%                 | 87%                 | \$1,167   |
| Lines          |                   |                     |                     |   |
| Minnesota      | N/A               | 0%                  | 0%                  | \$7,324   |
| Valley         |                   |                     |                     |   |
| Transport      |                   |                     |                     |   |

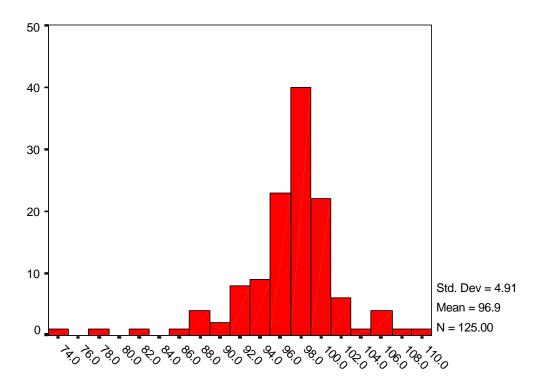
Table 57—Refrigerated Carriers' Average Financial Performance: Five Largest Carriers

| Carrier        | Operating  | Net       | Operating | Net Profit | Return on     |
|----------------|------------|-----------|-----------|------------|---------------|
|                | Income     | Income    | Ratio     | Margin     | <b>Equity</b> |
| Conte          | -\$2,085   | \$200,780 | 100.10    | 9.24%      | N/A           |
| Transportation |            |           |           |            |               |
| Greenstein     | \$50,220   | \$49,266  | 97.80     | 2.16%      | 49.81%        |
| Trucking       |            |           |           |            |               |
| Altman         | -\$87,915  | \$16,814  | 102.98    | 0.57%      | 2.41%         |
| (William B.)   |            |           |           |            |               |
| Vitalis Truck  | -\$109,029 | \$461,703 | 103.66    | 15.52%     | 12.61%        |
| Lines          |            |           |           |            |               |
| Minnesota      | \$28,370   | \$29,906  | 99.10     | 0.95%      | 100.52%       |
| Valley         |            |           |           |            |               |
| Transport      |            |           |           |            |               |

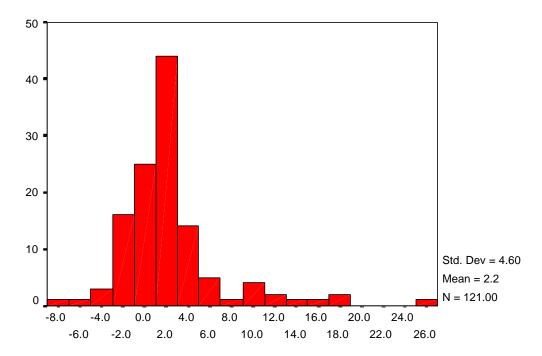
## **Summary Charts and Graphs for Refrigerated Carriers**



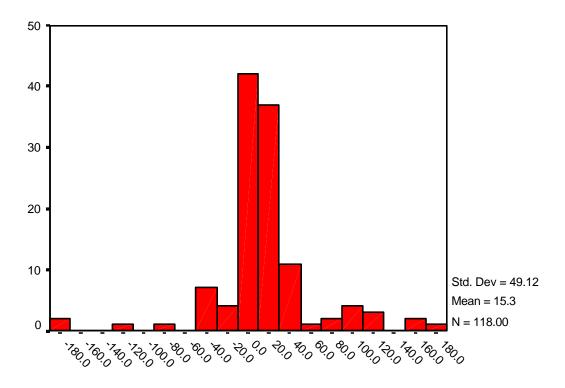
Revenue



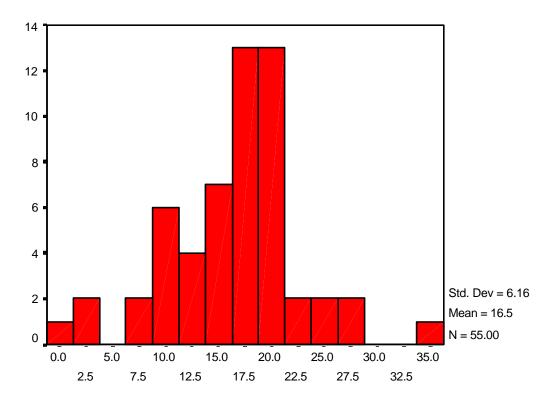
## **Operating Ratio**



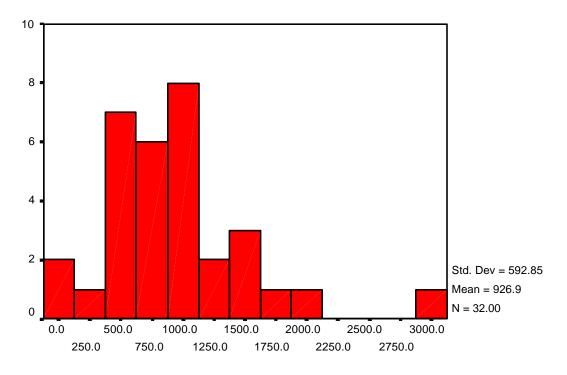
Net Profit Margin



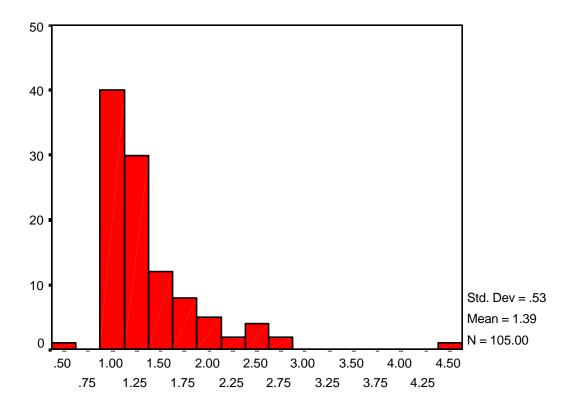
## Return on Equity



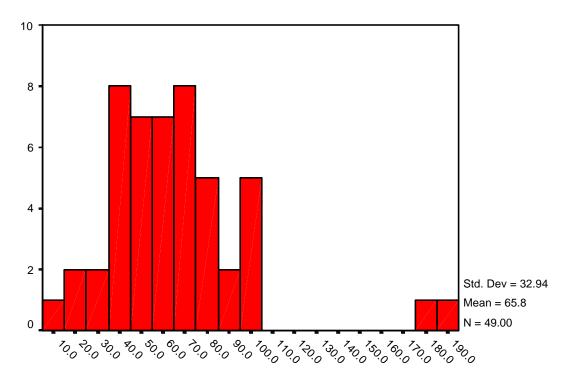
Average Load (Tons)



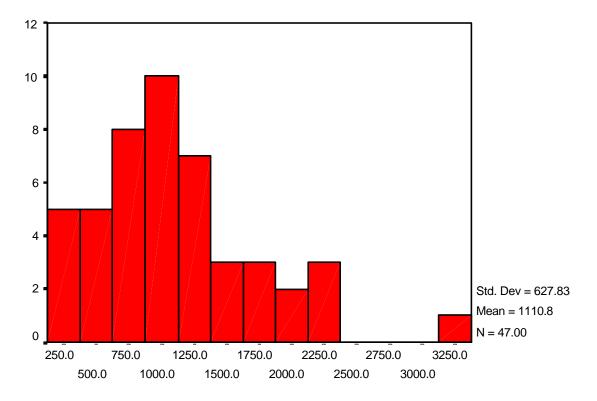
Average Haul (Miles)



Revenue per Mile



Revenue per Ton



Revenue per Shipment

# **Summary Data for Refrigerated Carriers**

| Refrigerated Carriers                         |                     |              |               |             |                |
|---|---------------------|--------------|---------------|-------------|----------------|
| Descriptive Statistics                        |                     |              |               |             |                |
| Boson pare Grandine                           | Number of Companies | Minimum      | Maximum       | Mean        | Std. Deviation |
| Financial Summary                             |                     |              |               |             |                |
| Revenue                                       | 126                 | 2,173,279    | 345,422,841   | 36,429,567  | 64,021,757     |
| Expenses                                      | 126                 | 2,175,364    | 300,129,179   | 35,416,508  | 60,913,252     |
| Operating Income                              | 122                 | (58,815,021) | 45,293,662    | 963,545     |                |
| Net Income                                    | 122                 | (58,815,021) | 39,323,180    | 475,005     | 6,737,732      |
| Total Assets                                  | 122                 | 45,324       | 268,575,423   | 15,208,281  | 33,257,741     |
| Total Liabilities                             | 122                 | (752,857)    | 134,979,718   | 8,144,146   |                |
| Total Equity                                  | 122                 | (1,736,859)  | 133,595,705   | 7,064,135   | , ,            |
| Operating Ratio                               | 125                 | 74           | 109           | 97          | 5              |
| Net Profit Margin                             | 121                 | -9%          | 26%           | 2%          | 5%             |
| Return on Equity                              | 118                 | -180%        | 178%          | 15%         | 49%            |
| Individual Expense Items                      |                     |              |               |             |                |
| Drivers and Helpers Wages                     | 61                  | _            | 11,038,000    | 1,138,417   | 1,858,639      |
| Insurance                                     | 121                 | 43,699       | 10,192,276    | 878,256     |                |
| Outside Vehicle Maintenance                   | 113                 | -            | 10,449,079    | 526,067     |                |
| Purchased Transportation                      | 61                  | -            | 37,099,366    | 2,400,707   | 5,023,934      |
| Fleet Composition                             |                     |              |               |             |                |
| (Items as a percent of total)                 |                     |              |               |             |                |
| Trucks Owned                                  | 34                  | 0%           | 100%          | 69%         | 44%            |
| Trucks Leased                                 | 34                  | 0%           | 100%          | 31%         | 44%            |
| Tractors Owned                                | 106                 | 0%           | 100%          | 47%         | 40%            |
| Tractors Leased                               | 106                 | 0%           | 100%          | 53%         | 40%            |
| Trailers Owned                                | 114                 | 0%           | 100%          | 84%         | 32%            |
| Trailers Leased                               | 114                 | 0%           | 100%          | 16%         | 32%            |
| Operating Statistics                          |                     |              |               |             |                |
| Total Units in Fleet                          | 121                 | -            | 4,329         | 465         | 755            |
| Total Highway Miles                           | 115                 | -            | 311,103,340   | 23,119,160  | 41,711,688     |
| Total Tons Carried                            | 97                  | -            | 5,116,703     | 297,321     | 780,396        |
| Total Ton-Miles                               | 104                 | -            | 3,251,699,778 | 288,962,670 |                |
| Total Shipments                               | 97                  | -            | 419,642       | 19,849      | 61,761         |
| Revenue per Mile                              | 105                 | \$0.61       | \$4.52        | \$1.39      | \$0.53         |
| Revenue per Ton                               | 49                  | \$7.17       | \$187.15      | \$65.76     |                |
| Revenue per Shipment                          | 47                  | \$168.95     | \$3,137.00    | \$1,110.81  | \$627.83       |
| Revenue per Ton-Mile                          | 58                  | \$0.02       | \$1.66        | \$0.14      | \$0.27         |
| Average Load (Tons)                           | 55                  | 1            | 34            | 16          | 6              |
| Average Haul (Miles)                          | 32                  | 46           | 3,023         | 927         | 593            |
| Outside Vehicle Maintenance per Truck/Tractor | 108                 | -            | 85,904        | 4,291       | 8,573          |
| Valid N (listwise)                            | 2                   |              |               |             |                |
| Valid 14 (IIOCVVIOO)                          |                     |              |               |             |                |

#### X. BULK MATERIALS - NON TANK CARRIERS

#### Overview of Carriers

The Bulk Materials - Non Tank segment includes all bulk commodities not transported by tankers. This segment includes carriers, which transport items such as sand, gravel, grain and mine ore. A total of 75 firms in the Bulk Materials - Non Tank industry segment reported \$1.27 Billion in annual revenues for 1997 (Table 58). The revenues for the five largest firms account for 29.4% of all the segment's revenues. The largest firm in the industry, Bulkmatic Transport, generated 8.9% of the segment's total revenue. The five largest firms in the industry account for 29.4% of the segment's total assets and 29.8% of the total units in the segment's fleet (Table 62).

The information summarized above suggests that there is a high level of competition in this industry segment. However, this has not prevented the carriers from generating positive profit margins. The largest firm in the industry segment reported net income of \$4.7 Million, resulting in a net profit margin of 4.2% (Table 63). In addition, the five smallest firms in the industry segment have obtained positive levels of profitability. On average these firms reported a net profit margin of 4.2% (Table 65).

Overall, the average net profit margin for firms in the industry was 3.3%. In addition, the average return on equity was 15.1% (Table 59). The five firms with the highest return on equity ratios had an average of 76.1% (Table 61). This indicates that these firms were about 5 times more effective in returning value to their shareholders with respect to the average firm in the industry. Furthermore, these firms are more than 8 times smaller than the five largest firms in the industry. Indeed, the total revenue of the 5 largest firms in the industry is \$373.5 Million (Table 62), while the total revenue of the 5 most profitable firms is \$45.0 Million (Table 60). Thus, carriers in this industry segment do not necessarily enjoy profitability advantages associated with the size of their operations.

Carriers in this segment handled on average 38,495 shipments and 1.08 Million tons of freight and produced 319.4 Million ton-miles on average. Their average load was 17.5 tons and their average length of haul was 183.4 miles (Tables 58 and 59). Among the five largest carriers, Bulkmatic Transport, generated more than 4 times the average ton-miles (Table 60).

On average, carriers in this segment owned 71% of their trucks; 68% of their tractors; and 50% of their trailers (Table 58). Among the five largest carriers in this segment, operating strategies were very similar. All of the five largest carriers own at least 82% of their tractors and all of their trailers (Table 62).

The five most profitable firms relied almost exclusively on company drivers. Only one firm, Food Express, relied more heavily on owner operators. This might suggests that, in this segment, reliance on company drivers is a profitable approach (Table 60). Furthermore, three of the five smallest companies rely heavily on company drivers. Among the five smallest companies, only one, Earl Martin, owns less than a 100% of its

tractors. The other carriers in the group of smallest carriers rely exclusively on company drivers to operate their tractors (Table 64).

One important performance dimension in the transportation sector is firm operating ratio, which compares operating expenses to operating revenues. Among all firms in this segment, the average operating ratio is 95.9 (Table 59). Among the five most profitable firms (Table 61), based on return on equity, operating ratio ranged from a low of 82 (Riverton Trucker) to a high of 94.7 (Food Express). Among the five largest carriers (Table 63), the largest, Bulkmatic Transport, had an operating ratio of 92.5. Among this group of carriers, the one with the lowest (best) operating ratio (A&R Transport) had a ratio of 87.4. Among the five smallest carriers (Table 65), three had operating ratios in excess of 100 and the firm with the lowest (best) operating ratio had a ratio of 95.5%. It appears that the largest carriers in the segment have a better operating performance than do the smallest.

In conclusion, the information collected on this industry segment indicates that among the largest and most profitable firms there is a heavy reliance on their own human resources and equipment. This fact, along with the short average lengths of haul reported, suggest that there is an emphasis in this industry segment on customer service, in the form of regular, fixed, and time-sensitive deliveries. The good performance indicators reported by carriers in this segment could be the result of the combination of these factors.

Table 58--Bulk Materials - Non Tank Carriers' Average Size and Operating Performance

|   | Number of Companies Reporting | Total           |
|---|-------------------------------|-----------------|
| Revenue                                       | 75                            | \$1,272,262,509 |
| Units in Fleet                                | 73                            | 20,322          |
| Assets  | 75                            | \$707,667,811   |
| Tons Carried                                  | 25                            | 26,897,400      |
| Ton-Miles                                     | 22                            | 7,026,641,088   |
| Shipments                                     | 28                            | 1,077,872       |
|   |                               | Average         |
| Size of Load                                  | 21                            | 17.5 Tons       |
| Length of Haul                                | 11                            | 183.4 Miles     |
|   |                               | Average         |
| Revenue Per Mile                              | 56                            | \$1.96          |
| Revenue Per Ton                               | 23                            | \$17.92         |
| Revenue Per Ton-Mile                          | 22                            | \$0.11          |
|   |                               | Average         |
| % of Trucks Owned                             | 73                            | 71%             |
| % of Tractors Owned                           | 73                            | 68%             |
| % of Trailers Owned                           | 73                            | 50%             |
| Outside Vehicle Maintenance per Truck/Tractor | 68                            | \$5,354         |

Table 59-- Bulk Materials - Non Tank Carriers' Average Financial Performance

| Operating Income  | \$845,484 |
|-------------------|-----------|
| Net Income        | \$583,651 |
| Operating Ratio   | 95.94     |
| Net Profit Margin | 3.26%     |
| Return on Equity  | 15.05%    |

Table 60-- Bulk Materials - Non Tank Carriers' Size and Operating Performance: Five Most Profitable Carriers

| Carrier  | Location        | Revenue      | Units in | Assets      | Tons    | Ton-  |
|----------|-----------------|--------------|----------|-------------|---------|-------|
|          |                 |              | Fleet    |             | carried | miles |
| Eagle    | Shawneetown, IL | \$5,586,280  | 39       | \$727,644   | N/A     | N/A   |
| Valley   |                 |              |          |             |         |       |
| Bagshaw  | Memphis, IN     | \$8,261,395  | 88       | \$2,514,252 | N/A     | N/A   |
| Trucking | _               |              |          |             |         |       |
| Riverton | Clarksville, IN | \$8,692,800  | 142      | \$3,925,877 | N/A     | N/A   |
| Trucker  |                 |              |          |             |         |       |
| Food     | Arcadia, CA     | \$16,186,727 | 220      | \$4,768,425 | N/A     | N/A   |
| Express  |                 |              |          |             |         |       |
| Threet's | Sturtevant, WI  | \$6,258,353  | 30       | \$1.382,336 | 196,720 | N/A   |
| Trucking |                 |              |          |             |         |       |

| Carrier  | Total<br>Shipments | Average<br>Load | Average<br>Haul | Revenue<br>Per | Revenue<br>Per Mile | Revenue<br>Per Ton | Revenue<br>Per Ton- |
|----------|--------------------|-----------------|-----------------|----------------|---------------------|--------------------|---------------------|
|          | Simplifients       | (Tons)          | (Miles)         | Shipment       | I et Mile           | rei Ton            | Mile                |
| Eagle    | 579                | N/A             | N/A             | \$9,648        | \$4.04              | N/A                | N/A                 |
| Valley   |                    |                 |                 |                |                     |                    |                     |
| Bagshaw  | N/A                | N/A             | N/A             | N/A            | N/A                 | N/A                | N/A                 |
| Trucking |                    |                 |                 |                |                     |                    |                     |
| Riverton | N/A                | N/A             | N/A             | N/A            | N/A                 | N/A                | N/A                 |
| Trucker  |                    |                 |                 |                |                     |                    |                     |
| Food     | N/A                | N/A             | N/A             | N/A            | \$4.00              | N/A                | N/A                 |
| Express  |                    |                 |                 |                |                     |                    |                     |
| Threet's | 7,580              | N/A             | N/A             | \$826          | N/A                 | \$31.81            | N/A                 |
| Trucking |                    |                 |                 |                |                     |                    |                     |

### **BULK MATERIALS - NON TANK CARRIERS**

Table 60-- Bulk Materials - Non Tank Carriers' Size and Operating Performance: Five Most Profitable Carriers (Continued)

| Carrier              | % Trucks<br>Owned | % Tractors<br>Owned | % Trailers<br>Owned | Outside Vehicle<br>Maintenance per<br>Truck/Tractor |
|----------------------|-------------------|---------------------|---------------------|---|
| Eagle<br>Valley      | N/A               | 100%                | 100%                | \$4,227   |
| Bagshaw<br>Trucking  | 63%               | 100%                | 100%                | \$2,925   |
| Riverton<br>Trucker  | 75%               | 100%                | 100%                | \$5,087   |
| Food<br>Express      | N/A               | 41%                 | 100%                | \$2,381   |
| Threet's<br>Trucking | 100%              | 100%                | 100%                | \$16,601  |

Table 61-- Bulk Materials - Non Tank Carriers' Financial Performance: Five Most Profitable Carriers

| Carrier      | Operating   | Net       | Operating | Net Profit | Return on |
|--------------|-------------|-----------|-----------|------------|-----------|
|              | Income      | Income    | Ratio     | Margin     | Equity    |
| Eagle Valley | \$412,505   | \$226,037 | 92.62     | 4.05%      | 132.49%   |
| Bagshaw      | \$763,155   | \$820,604 | 90.76     | 9.93%      | 95.61%    |
| Trucking     |             |           |           |            |           |
| Riverton     | \$1,566,914 | \$821,958 | 81.97     | 9.46%      | 54.70%    |
| Trucker      |             |           |           |            |           |
| Food Express | \$860,362   | \$600,727 | 94.68     | 3.71%      | 51.62%    |
| Threet's     | \$485,933   | \$469,329 | 92.24     | 7.50%      | 46.22%    |
| Trucking     |             |           |           |            |           |

Table 62-- Bulk Materials - Non Tank Carriers' Size and Operating Performance: Five Largest Carriers

| Carrier     | Location       | Revenue       | Units    | Assets       | Tons      | Ton-miles     |
|-------------|----------------|---------------|----------|--------------|-----------|---------------|
|             |                |               | in Fleet |              | carried   |               |
| Bulkmatic   | Griffith, IN   | \$113,334,545 | 1,906    | \$94,783,819 | N/A       | 1,413,981,558 |
| Transport   |                |               |          |              |           |               |
| Gray (Jack) | Gary, IN       | \$76,742,021  | 713      | \$52,625,908 | N/A       | N/A           |
| Transport   |                |               |          |              |           |               |
| A & R       | Joliet, IL     | \$70,256,272  | 944      | \$76,018,682 | 1,469,600 | 369,032,892   |
| Transport   |                |               |          |              |           |               |
| Schwerman   | Milwaukee, WI  | \$62,119,213  | 1,819    | \$33,427,301 | 4,107,223 | 466,998,629   |
| Trucking    |                |               |          |              |           |               |
| Beelman     | St. Libory, IL | \$51,045,516  | 674      | \$24,759,971 | N/A       | N/A           |
| Truck       |                |               |          |              |           |               |

| Carrier     | Total     | Average | Average | Revenue  | Revenue  | Revenue | Revenue  |
|-------------|-----------|---------|---------|----------|----------|---------|----------|
|             | Shipments | Load    | Haul    | Per      | Per Mile | Per Ton | Per Ton- |
|             |           | (Tons)  | (Miles) | Shipment |          |         | Mile     |
| Bulkmatic   | N/A       | 22.85   | N/A     | N/A      | \$1.83   | N/A     | \$0.08   |
| Transport   |           |         |         |          |          |         |          |
| Gray (Jack) | N/A       | N/A     | N/A     | N/A      | N/A      | N/A     | N/A      |
| Transport   |           |         |         |          |          |         |          |
| A & R       | 66,800    | 12.00   | 251     | \$1,052  | \$2.28   | \$47.81 | \$0.19   |
| Transport   |           |         |         |          |          |         |          |
| Schwerman   | 159,325   | 12.47   | 114     | \$390    | \$1.66   | \$15.12 | \$0.13   |
| Trucking    |           |         |         |          |          |         |          |
| Beelman     | N/A       | N/A     | N/A     | N/A      | \$1.48   | N/A     | N/A      |
| Truck       |           |         |         |          |          |         |          |

| Carrier     | % Trucks | % Tractors | % Trailers | Outside Vehicle |
|-------------|----------|------------|------------|-----------------|
|             | Owned    | Owned      | Owned      | Maintenance per |
|             |          |            |            | Truck/Tractor   |
| Bulkmatic   | N/A      | 85%        | 100%       | \$4,446         |
| Transport   |          |            |            |                 |
| Gray (Jack) | N/A      | 100%       | 100%       | \$9,557         |
| Transport   |          |            |            |                 |
| A & R       | N/A      | 100%       | 100%       | \$4,710         |
| Transport   |          |            |            |                 |
| Schwerman   | N/A      | 82%        | 100%       | \$1,540         |
| Trucking    |          |            |            |                 |
| Beelman     | N/A      | 100%       | 100%       | \$1,381         |
| Truck       |          |            |            |                 |

### BULK MATERIALS - NON TANK CARRIERS

Table 63-- Bulk Materials - Non Tank Carriers' Financial Performance: Five Largest Carriers

| Carrier     | Operating   | Net         | Operating | Net Profit | Return on |
|-------------|-------------|-------------|-----------|------------|-----------|
|             | Income      | Income      | Ratio     | Margin     | Equity    |
| Bulkmatic   | \$8,518,787 | \$4,705,858 | 92.48     | 4.15       | 19.01     |
| Transport   |             |             |           |            |           |
| Gray (Jack) | \$3,550,963 | \$3,550,963 | 95.37     | 4.63%      | 16.68%    |
| Transport   |             |             |           |            |           |
| A & R       | \$8,839,985 | \$3,466,145 | 87.42     | 4.93%      | 23.44%    |
| Transport   |             |             |           |            |           |
| Schwerman   | \$3,113,265 | \$1,150,003 | 94.99     | 1.85%      | 13.07%    |
| Trucking    |             |             |           |            |           |
| Bellman     | \$3,479,777 | \$2,640,703 | 93.18     | 5.17%      | 13.01%    |
| Truck       |             |             |           |            |           |

Table 64-- Bulk Materials - Non Tank Carriers' Size and Operating Performance: Five Smallest Carriers

| Carrier       | Location   | Revenue     | Units    | Assets      | Tons    | Ton-miles  |
|---------------|------------|-------------|----------|-------------|---------|------------|
|               |            |             | in Fleet |             | carried |            |
| Pritchett     | Pryor, OK  | \$2,010,570 | 43       | \$1,203,959 | 16,088  | N/A        |
| Trucking Co.  |            |             |          |             |         |            |
| Hribar        | Caledonia, | \$2,054,784 | 63       | \$1,315,003 | 487,338 | N/A        |
| Trucking      | WI         |             |          |             |         |            |
| Hazel         | Macon, GA  | \$3,349,885 | 28       | \$1,085,675 | N/A     | N/A        |
| Trucking Co.  |            |             |          |             |         |            |
| Martin, (Earl | East Earl, | \$3,420,306 | 68       | \$2,172,155 | 184,632 | N/A        |
| R.)           | PA         |             |          |             |         |            |
| Wanatah       | West       | \$3,792,766 | 29       | \$2,821,911 | 529,508 | 27,472,566 |
| Trucking      | Lafayette, |             |          |             |         |            |
|               | IN         |             |          |             |         |            |

| Carrier                | Total<br>Shipments | Average<br>Load | Average<br>Haul | Revenue<br>Per | Revenue<br>Per Mile | Revenue<br>Per Ton | Revenue<br>Per Ton- |
|------------------------|--------------------|-----------------|-----------------|----------------|---------------------|--------------------|---------------------|
|                        | Simplificates      | (Tons)          | (Miles)         | Shipment       | I CI IVIIIC         |                    | Mile                |
| Pritchett Trucking Co. | 653                | N/A             | N/A             | 3,079          | \$3.62              | N/A                | N/A                 |
| Hribar Trucking        | 20,175             | N/A             | N/A             | \$102          | \$1.60              | \$4.22             | N/A                 |
| Hazel Trucking Co.     | N/A                | N/A             | N/A             | N/A            | \$1.48              | N/A                | N/A                 |
| Martin, (Earl R.)      | 7,693              | N/A             | N/A             | \$445          | \$1.12              | \$18.52            | N/A                 |
| Wanatah Trucking       | 24,628             | 16.13           | 52              | \$154          | \$2.23              | \$7.16             | \$0.14              |

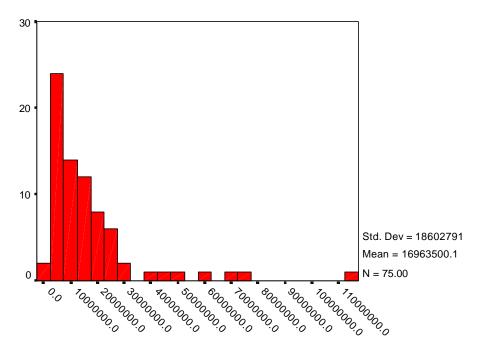
| Carrier       | % Trucks | % Tractors | % Trailers | Outside Vehicle Maintenance |
|---------------|----------|------------|------------|-----------------------------|
|               | Owned    | Owned      | Owned      | per Truck/Tractor           |
| Pritchett     | 100%     | N/A        | 100%       | \$11,814                    |
| Trucking Co.  |          |            |            |                             |
| Hribar        | 93%      | N/A        | 94%        | \$6,045                     |
| Trucking      |          |            |            |                             |
| Hazel         | 100%     | 100%       | 100%       | \$12,553                    |
| Trucking Co.  |          |            |            |                             |
| Martin, (Earl | N/A      | 73%        | 80%        | \$11,852                    |
| R.)           |          |            |            |                             |
| Wanatah       | 100%     | 100%       | 100%       | \$8,229                     |
| Trucking      |          |            |            |                             |

### **BULK MATERIALS - NON TANK CARRIERS**

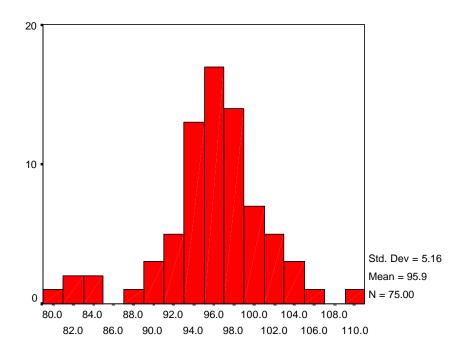
Table 65-- Bulk Materials - Non Tank Carriers' Financial Performance: Five Smallest Carriers

| Carrier                | Operating  | Net       | Operating | Net Profit | Return on |
|------------------------|------------|-----------|-----------|------------|-----------|
|                        | Income     | Income    | Ratio     | Margin     | Equity    |
| Pritchett Trucking Co. | -\$72,285  | -\$60,912 | 103.60    | -3.03%     | -14.13%   |
| Hribar Trucking        | -\$62,173  | \$171,386 | 103.03    | 8.34%      | 16.82%    |
| Hazel Trucking Co.     | \$177,743  | \$176,711 | 94.69     | 5.28%      | 36.14%    |
| Martin, (Earl R.)      | -\$201,292 | \$190,182 | 105.89    | 5.56%      | 10.54%    |
| Wanatah Trucking       | \$169,310  | \$185,400 | 95.54     | 4.89%      | 7.75%     |

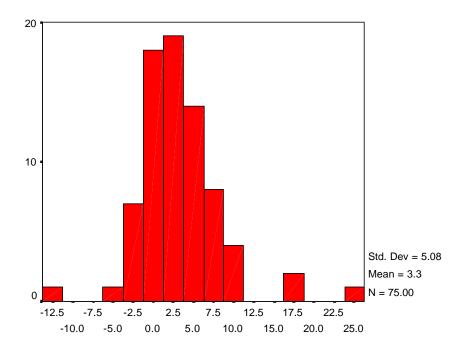
## Charts and Graphs for Bulk Materials - Non Tank Carriers



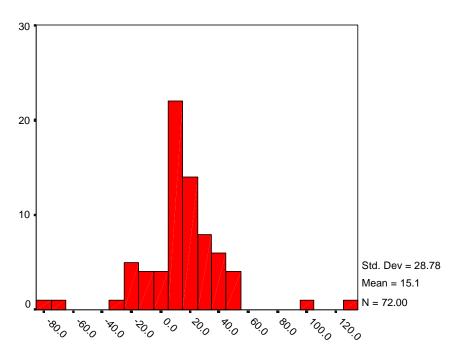
#### Gross Revenue



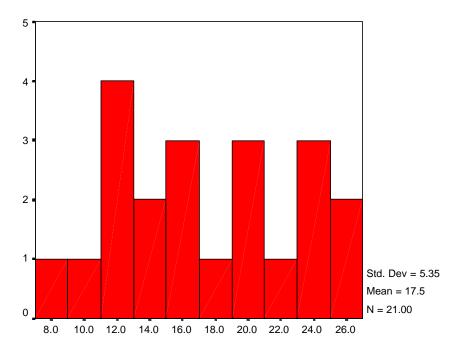
Operating Ratio



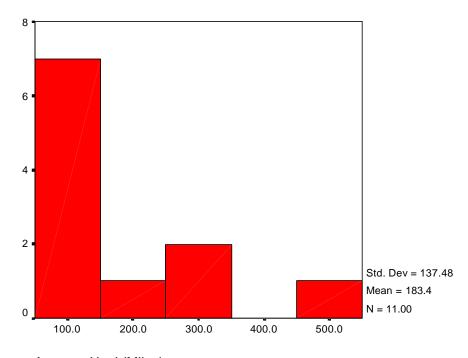
Net Profit Margin



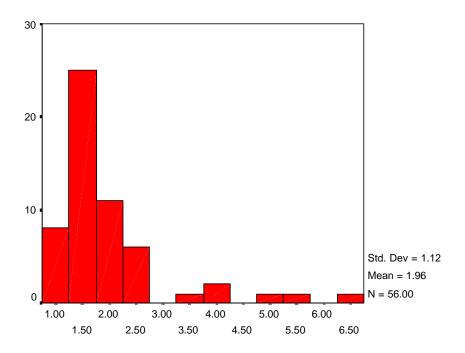
Return on Equity



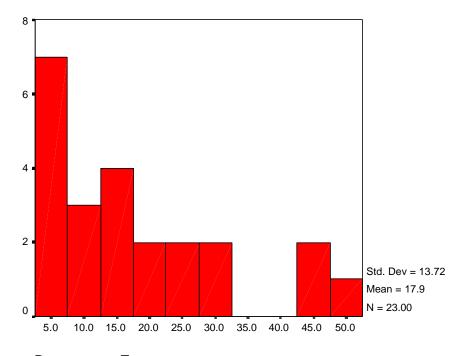
Average Load (Tons)



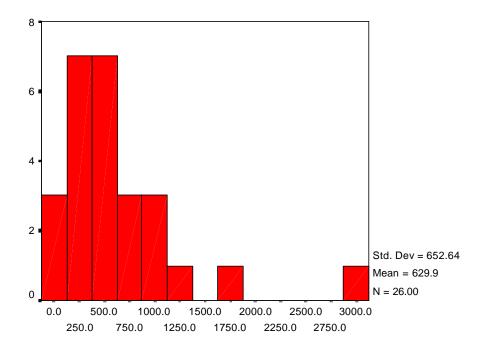
Average Haul (Miles)



Revenue per Mile



Revenue per Ton



Revenue per Shipment

# Summary Data for Bulk Materials - Non Tank Carriers

| Number of Companies  | Bulk Materials - Non Tank<br>Carriers         |     |            |               |             |                |
|--|---|-----|------------|---------------|-------------|----------------|
| Number of Companies  |   |     |            |               |             |                |
| Revenue  |   |     | Minimum    | Maximum       | Mean        | Std. Deviation |
| Expenses   75  | Financial Summary                             |     |            |               |             |                |
| Operating Income         75         (913,354)         8,839,985         845,484         1,603,25           Net Income         75         (1,888,678)         4,705,858         583,651         1,050,60           Total Assets         75         507,478         94,783,819         94,355,571         16,000,000           Total Liabilities         75         60,859         70,000,000         5,653,642         12,000,000           Total Equity         75         (772,542)         25,000,000         3,724,813         5,177,97           Operating Ratio         75         80         110         96         4           Net Profit Margin         75         147%         25%         33%         59           Return on Equity         72         -76%         132%         15%         299           Individual Expense Items         1         132%         15%         299           Individual Expense Items         1         1,335,608         648,875           Drivers and Helpers Wages         36         54,953         2,381,743         1,135,608         648,875           Insurance         75         (269,907)         3,425,681         442,245         578,16           Outside Vehicle Maintenance  | Revenue                                       |     |            |               |             | 19,000,000     |
| Net Income   75  | •   | l l |            |               |             |                |
| Total Assets 75 507,478 94,783,819 9,435,571 16,000,000 Total Liabilities 75 60,859 70,000,000 5,653,642 12,000,000 Total Equity 75 (772,542) 25,000,000 3,724,813 5,177,97 Operating Ratio 75 80 110 96 Net Profit Margin 75 -14% 25% 3% 5% Return on Equity 72 -76% 132% 15% 299 Individual Expense Items Drivers and Helpers Wages 36 54,953 2,381,743 1,135,608 648,876 Outside Vehicle Maintenance 70 -3,196,608 429,692 571,899 Purchased Transportation 75 -8,895,012 1,307,661 2,025,177  Fleet Composition (Items as a percent of total) Trucks Owned 73 0% 100% 79% 399 Tractors Owned 73 0% 100% 72% 349 Tractors Leased 73 0% 100% 72% 349 Trailers Owned 73 0% 100% 89% 279 Trailers Leased 73 0% 100% 89% 279 Trailers Leased 73 0% 100% 100% 11% 279  Operating Statistics Total Units in Fleet 73 28 1,906 278 331 Total Units in Fleet 73 28 1,906 278 331 Total Highway Miles 60 25,000 61,881,031 10,000,001 Total Highway Miles 60 25,000 61,881,031 10,000,001 Total Ton-Miles 22 27,472,566 1,400,000,000 320,000,000 330,000,000 Total Ton-Miles 22 27,472,566 1,400,000,000 320,000,000 330,000,000 Total Ton-Miles 28 300 159,325 38,495 44,303 Revenue per Mile 56 \$0.80 \$6.71 \$1.96 \$1.11 Revenue per Mile 56 \$0.80 \$6.71 \$1.96 \$1.12 Revenue per Shipment 26 \$7.24 \$3,078.97 \$629.86 \$652.66 Revenue per Flon 23 \$3.75 \$4.781 \$1.792 \$13.77 Revenue per Ton-Mile 20 \$0.003 \$0.24 \$0.11 \$0.00 Average Load (Tons) 21 9 25 18 Average Haul (Miles) 11 52 538 183 133 Coutside Vehicle Maintenance 68 675 \$1.000 \$1.000 \$1.0000 \$1.0000 \$1.00000 \$1.00000 \$1.00000 \$1.00000 \$1.00000 \$1.00000 \$1.00000 \$1.00000 \$1.00000 \$1.000000 \$1.000000 \$1.000000 \$1.000000 \$1.0000000 \$1.0000000000  |   |     |            |               |             |                |
| Total Liabilities 75 60,859 70,000,000 5,653,642 12,000,000 Total Equity 75 (772,542) 25,000,000 3,724,813 5,177,97 (772,542) 25,000,000 3,724,813 5,177,97 (772,542) 25,000,000 3,724,813 5,177,97 (772,542) 25,000,000 3,724,813 5,177,97 (772,542) 25,000,000 3,724,813 5,177,97 (772,542) 25,000,000 3,724,813 5,177,97 (772,542) 25,000,000 3,724,813 5,177,97 (772,542) 25,000,000 3,724,813 5,177,97 (772,542) 25,000,000 3,724,813 5,177,97 (772,542) 25,000,000 3,724,813 5,177,97 (772,542) 25,000,000 3,724,813 5,177,97 (772,542) 25,000,000 3,724,813 5,177,97 (772,542) 25,000,000 3,724,813 5,177,97 (772,542) 25,000,000 3,724,813 1,135,608 648,87 (772,542) 25,000,000 3,425,681 442,245 5,78,16 (772,542) 25,000,000 3,425,681 442,245 5,78,16 (772,542) 25,000 25, |   |     | , , ,      |               |             |                |
| Total Equity   |   |     |            |               |             |                |
| Operating Ratio         75         80         110         96         1           Net Profit Margin         75         -14%         25%         3%         59           Return on Equity         72         -76%         132%         15%         299           Individual Expense Items         1         15%         299           Individual Expense Items         2         132%         1,135,608         648,878           Insurance         75         (269,907)         3,425,681         442,245         578,16           Outside Vehicle Maintenance         70         -         3,196,608         429,692         571,89           Purchased Transportation         75         -         8,895,012         1,307,661         2,025,17           Fleet Composition         (Items as a percent of total)         Trucks Owned         73         0%         100%         79%         399           Trucks Leased         73         0%         100%         27%         344           Tractors Leased         73         0%         100%         28%         344           Trailers Dense Care         73         0%         100%         27%         32           Trailers Leased   |   |     |            |               |             |                |
| Net Profit Margin   75   |   |     | , ,        |               |             |                |
| Return on Equity   |   |     |            |               |             |                |
| Individual Expense Items   |   |     |            |               |             |                |
| Drivers and Helpers Wages         36         54,953         2,381,743         1,135,608         648,875           Insurance         75         (269,907)         3,425,681         442,245         578,165           Outside Vehicle Maintenance         70         -         3,196,608         429,692         571,896           Purchased Transportation         75         -         8,895,012         1,307,661         2,025,177           Fleet Composition           (Items as a percent of total)         -         8,895,012         1,307,661         2,025,177           Fleet Composition           (Items as a percent of total)         -         -         8,895,012         1,307,661         2,025,177           Fleet Composition           (Items as a percent of total)           Trucks Owned         73         0%         100%         279         399           Tractors Cowned         73         0%         100%         2896         349           Trailers Leased         73         0%         100%         89%         279           Trailers Leased         73         0%         100%         89%         279           Trailers Leased         73   | Return on Equity                              | 72  | -76%       | 132%          | 15%         | 29%            |
| Insurance  | Individual Expense Items                      |     |            |               |             |                |
| Outside Vehicle Maintenance         70         -         3,196,608         429,692         571,898           Purchased Transportation         75         -         8,895,012         1,307,661         2,025,177           Fleet Composition (Items as a percent of total) Trucks Owned         73         0%         100%         79%         399           Trucks Leased         73         0%         100%         21%         399           Tractors Owned         73         0%         100%         28%         349           Tractors Leased         73         0%         100%         28%         349           Trailers Owned         73         0%         100%         28%         349           Trailers Leased         73         0%         100%         89%         279           Trailers Leased         73         0%         100%         89%         279           Trailers Leased         73         0%         100%         89%         279           Trailers Leased         73         28         1,906         278         33           Total Units in Fleet         73         28         1,906         278         33           Total Highway Miles         60  | Drivers and Helpers Wages                     |     | 54,953     | 2,381,743     | 1,135,608   | 648,875        |
| Purchased Transportation         75         -         8,895,012         1,307,661         2,025,177           Fleet Composition           (Items as a percent of total)         Trucks Owned         73         0%         100%         79%         399           Trucks Cowned         73         0%         100%         21%         399           Tractors Owned         73         0%         100%         72%         349           Tractors Leased         73         0%         100%         28%         349           Trailers Owned         73         0%         100%         89%         279           Trailers Leased         73         0%         100%         89%         279           Trailers Leased         73         0%         100%         89%         279           Trailers Leased         73         28         1,906         278         33           Total Units in Fleet         73         28         1,906         278         333           Total Highway Miles         60         25,000         61,881,031         10,000,000         11,000,000           Total Ton-Miles         22         27,472,566         1,400,000,000         320,000,000         3   | Insurance                                     | 75  | (269,907)  | 3,425,681     | 442,245     | 578,167        |
| Fleet Composition  | Outside Vehicle Maintenance                   |     | -          |               |             |                |
| Comparison   Com   | Purchased Transportation                      | 75  | -          | 8,895,012     | 1,307,661   | 2,025,177      |
| Trucks Owned         73         0%         100%         79%         39%           Trucks Leased         73         0%         100%         21%         39%           Tractors Owned         73         0%         100%         72%         34%           Tractors Leased         73         0%         100%         28%         34%           Trailers Owned         73         0%         100%         89%         27%           Trailers Leased         73         0%         100%         89%         27%           Trailers Leased         73         0%         100%         89%         27%           Trailers Leased         73         0%         100%         11%         27%           Trailers Leased         73         0%         100%         89%         27%           Trailers Leased         73         0%         100%         11%         27%           Trailers Leased         73         0%         100%         11%         27%           Trailers Leased         73         28         1,906         278         33           Trailers Leased         73         28         1,906         278         33           Tr   | Fleet Composition                             |     |            |               |             |                |
| Trucks Leased         73         0%         100%         21%         39%           Tractors Owned         73         0%         100%         72%         34%           Tractors Leased         73         0%         100%         28%         34%           Trailers Owned         73         0%         100%         89%         27%           Trailers Leased         73         0%         100%         11%         27%           Operating Statistics           Total Units in Fleet         73         28         1,906         278         338           Total Highway Miles         60         25,000         61,881,031         10,000,000         11,000,000           Total Tons Carried         25         16,088         4,107,223         1,075,896         1,117,598           Total Ton-Miles         22         27,472,566         1,400,000,000         320,000,000         330,000,000           Total Shipments         28         300         159,325         38,495         44,302           Revenue per Mile         56         \$0.80         \$6.71         \$1.96         \$1.12           Revenue per Ton         23         \$3.75         \$47.81         \$17.92         \$13.72 </td <td>(Items as a percent of total)</td> <td></td> <td></td> <td></td> <td></td> <td></td>  | (Items as a percent of total)                 |     |            |               |             |                |
| Tractors Owned         73         0%         100%         72%         34%           Tractors Leased         73         0%         100%         28%         34%           Trailers Owned         73         0%         100%         89%         27%           Trailers Leased         73         0%         100%         11%         27%           Operating Statistics           Total Units in Fleet         73         28         1,906         278         33           Total Highway Miles         60         25,000         61,881,031         10,000,000         11,000,000           Total Tons Carried         25         16,088         4,107,223         1,075,896         1,117,598           Total Ton-Miles         22         27,472,566         1,400,000,000         320,000,000         330,000,000           Total Shipments         28         300         159,325         38,495         44,302           Revenue per Mile         56         \$0.80         \$6.71         \$1.96         \$1.12           Revenue per Ton         23         \$3.75         \$47.81         \$17.92         \$13.72           Revenue per Shipment         26         \$71.24         \$3,078.97         \$629.86 <td>Trucks Owned</td> <td>73</td> <td>0%</td> <td>100%</td> <td>79%</td> <td>39%</td>  | Trucks Owned                                  | 73  | 0%         | 100%          | 79%         | 39%            |
| Tractors Leased         73         0%         100%         28%         34%           Trailers Owned         73         0%         100%         89%         27%           Trailers Leased         73         0%         100%         11%         27%           Operating Statistics         Total Units in Fleet         73         28         1,906         278         33           Total Highway Miles         60         25,000         61,881,031         10,000,000         11,000,000           Total Tons Carried         25         16,088         4,107,223         1,075,896         1,117,596           Total Ton-Miles         22         27,472,566         1,400,000,000         320,000,000         330,000,000           Total Shipments         28         300         159,325         38,495         44,300           Revenue per Mile         56         \$0.80         \$6.71         \$1.96         \$1.12           Revenue per Ton         23         \$3.75         \$47.81         \$17.92         \$13.72           Revenue per Shipment         26         \$71.24         \$3,078.97         \$629.86         \$652.6           Revenue per Ton-Mile         22         \$0.03         \$0.24         \$0.11         \$0   | Trucks Leased                                 | 73  | 0%         | 100%          | 21%         | 39%            |
| Trailers Owned         73         0%         100%         89%         27%           Trailers Leased         73         0%         100%         11%         27%           Operating Statistics         Total Units in Fleet         73         28         1,906         278         33           Total Highway Miles         60         25,000         61,881,031         10,000,000         11,000,000           Total Tons Carried         25         16,088         4,107,223         1,075,896         1,117,596           Total Ton-Miles         22         27,472,566         1,400,000,000         320,000,000         330,000,000           Total Shipments         28         300         159,325         38,495         44,300           Revenue per Mile         56         \$0.80         \$6.71         \$1.96         \$1.12           Revenue per Ton         23         \$3.75         \$47.81         \$17.92         \$13.72           Revenue per Shipment         26         \$71.24         \$3,078.97         \$629.86         \$652.6           Revenue per Ton-Mile         22         \$0.03         \$0.24         \$0.11         \$0.00           Average Load (Tons)         21         9         25         18  | Tractors Owned                                | 73  | 0%         | 100%          | 72%         | 34%            |
| Operating Statistics         73         0%         100%         11%         27%           Operating Statistics         73         28         1,906         278         338           Total Units in Fleet         73         28         1,906         278         338           Total Highway Miles         60         25,000         61,881,031         10,000,000         11,000,000           Total Tons Carried         25         16,088         4,107,223         1,075,896         1,117,598           Total Ton-Miles         22         27,472,566         1,400,000,000         320,000,000         330,000,000           Total Shipments         28         300         159,325         38,495         44,302           Revenue per Mile         56         \$0.80         \$6.71         \$1.96         \$1.12           Revenue per Ton         23         \$3.75         \$47.81         \$17.92         \$13.77           Revenue per Shipment         26         \$71.24         \$3,078.97         \$629.86         \$652.64           Revenue per Ton-Mile         22         \$0.03         \$0.24         \$0.11         \$0.00           Average Load (Tons)         21         9         25         18         \$0.00  | Tractors Leased                               |     |            |               |             |                |
| Operating Statistics         Z8         1,906         278         338           Total Units in Fleet         73         28         1,906         278         338           Total Highway Miles         60         25,000         61,881,031         10,000,000         11,000,000           Total Tons Carried         25         16,088         4,107,223         1,075,896         1,117,598           Total Ton-Miles         22         27,472,566         1,400,000,000         320,000,000         330,000,000           Total Shipments         28         300         159,325         38,495         44,302           Revenue per Mile         56         \$0.80         \$6.71         \$1.96         \$1.12           Revenue per Ton         23         \$3.75         \$47.81         \$17.92         \$13.72           Revenue per Shipment         26         \$71.24         \$3,078.97         \$629.86         \$652.64           Revenue per Ton-Mile         22         \$0.03         \$0.24         \$0.11         \$0.06           Average Load (Tons)         21         9         25         18         \$0.06           Average Haul (Miles)         11         52         538         183         133           Out  | Trailers Owned                                |     |            |               |             |                |
| Total Units in Fleet         73         28         1,906         278         338           Total Highway Miles         60         25,000         61,881,031         10,000,000         11,000,000           Total Tons Carried         25         16,088         4,107,223         1,075,896         1,117,598           Total Ton-Miles         22         27,472,566         1,400,000,000         320,000,000         330,000,000           Total Shipments         28         300         159,325         38,495         44,302           Revenue per Mile         56         \$0.80         \$6.71         \$1.96         \$1.12           Revenue per Ton         23         \$3.75         \$47.81         \$17.92         \$13.72           Revenue per Shipment         26         \$71.24         \$3,078.97         \$629.86         \$652.64           Revenue per Ton-Mile         22         \$0.03         \$0.24         \$0.11         \$0.06           Average Load (Tons)         21         9         25         18         9           Average Haul (Miles)         11         52         538         183         13           Outside Vehicle Maintenance         68         -         43,241         5,354         6,492 <td>Trailers Leased</td> <td>73</td> <td>0%</td> <td>100%</td> <td>11%</td> <td>27%</td>   | Trailers Leased                               | 73  | 0%         | 100%          | 11%         | 27%            |
| Total Units in Fleet         73         28         1,906         278         338           Total Highway Miles         60         25,000         61,881,031         10,000,000         11,000,000           Total Tons Carried         25         16,088         4,107,223         1,075,896         1,117,598           Total Ton-Miles         22         27,472,566         1,400,000,000         320,000,000         330,000,000           Total Shipments         28         300         159,325         38,495         44,302           Revenue per Mile         56         \$0.80         \$6.71         \$1.96         \$1.12           Revenue per Ton         23         \$3.75         \$47.81         \$17.92         \$13.72           Revenue per Shipment         26         \$71.24         \$3,078.97         \$629.86         \$652.64           Revenue per Ton-Mile         22         \$0.03         \$0.24         \$0.11         \$0.06           Average Load (Tons)         21         9         25         18         9           Average Haul (Miles)         11         52         538         183         13           Outside Vehicle Maintenance         68         -         43,241         5,354         6,492 <td>Operating Statistics</td> <td></td> <td></td> <td></td> <td></td> <td></td>  | Operating Statistics                          |     |            |               |             |                |
| Total Highway Miles         60         25,000         61,881,031         10,000,000         11,000,000           Total Tons Carried         25         16,088         4,107,223         1,075,896         1,117,598           Total Ton-Miles         22         27,472,566         1,400,000,000         320,000,000         330,000,000           Total Shipments         28         300         159,325         38,495         44,302           Revenue per Mile         56         \$0.80         \$6.71         \$1.96         \$1.12           Revenue per Ton         23         \$3.75         \$47.81         \$17.92         \$13.72           Revenue per Shipment         26         \$71.24         \$3,078.97         \$629.86         \$652.64           Revenue per Ton-Mile         22         \$0.03         \$0.24         \$0.11         \$0.06           Average Load (Tons)         21         9         25         18         \$0.00           Average Haul (Miles)         11         52         538         183         13           Outside Vehicle Maintenance per Truck/Tractor         68         -         43,241         5,354         6,492  | Total Units in Fleet                          | 73  | 28         | 1,906         | 278         | 338            |
| Total Tons Carried         25         16,088         4,107,223         1,075,896         1,117,596           Total Ton-Miles         22         27,472,566         1,400,000,000         320,000,000         330,000,000           Total Shipments         28         300         159,325         38,495         44,302           Revenue per Mile         56         \$0.80         \$6.71         \$1.96         \$1.12           Revenue per Ton         23         \$3.75         \$47.81         \$17.92         \$13.72           Revenue per Shipment         26         \$71.24         \$3,078.97         \$629.86         \$652.64           Revenue per Ton-Mile         22         \$0.03         \$0.24         \$0.11         \$0.06           Average Load (Tons)         21         9         25         18         3           Average Haul (Miles)         11         52         538         183         13           Outside Vehicle Maintenance per Truck/Tractor         68         -         43,241         5,354         6,492  | Total Highway Miles                           |     | 25,000     |               | 10,000,000  | 11,000,000     |
| Total Shipments         28         300         159,325         38,495         44,302           Revenue per Mile         56         \$0.80         \$6.71         \$1.96         \$1.12           Revenue per Ton         23         \$3.75         \$47.81         \$17.92         \$13.72           Revenue per Shipment         26         \$71.24         \$3,078.97         \$629.86         \$652.64           Revenue per Ton-Mile         22         \$0.03         \$0.24         \$0.11         \$0.06           Average Load (Tons)         21         9         25         18         4           Average Haul (Miles)         11         52         538         183         13           Outside Vehicle Maintenance per Truck/Tractor         68         -         43,241         5,354         6,492   | Total Tons Carried                            | 25  | 16,088     | 4,107,223     | 1,075,896   | 1,117,598      |
| Revenue per Mile         56         \$0.80         \$6.71         \$1.96         \$1.12           Revenue per Ton         23         \$3.75         \$47.81         \$17.92         \$13.72           Revenue per Shipment         26         \$71.24         \$3,078.97         \$629.86         \$652.64           Revenue per Ton-Mile         22         \$0.03         \$0.24         \$0.11         \$0.06           Average Load (Tons)         21         9         25         18         9         9         25         18         18         18         18         13         13         13         13         13         13         13         13         14  | Total Ton-Miles                               | 22  | 27,472,566 | 1,400,000,000 | 320,000,000 | 330,000,000    |
| Revenue per Ton         23         \$3.75         \$47.81         \$17.92         \$13.72           Revenue per Shipment         26         \$71.24         \$3,078.97         \$629.86         \$652.64           Revenue per Ton-Mile         22         \$0.03         \$0.24         \$0.11         \$0.06           Average Load (Tons)         21         9         25         18         \$0.06           Average Haul (Miles)         11         52         538         183         133           Outside Vehicle Maintenance per Truck/Tractor         68         -         43,241         5,354         6,492  | Total Shipments                               | 28  | 300        | 159,325       | 38,495      | 44,302         |
| Revenue per Shipment         26         \$71.24         \$3,078.97         \$629.86         \$652.64           Revenue per Ton-Mile         22         \$0.03         \$0.24         \$0.11         \$0.06           Average Load (Tons)         21         9         25         18         5           Average Haul (Miles)         11         52         538         183         13           Outside Vehicle Maintenance per Truck/Tractor         68         -         43,241         5,354         6,492  | Revenue per Mile                              |     |            |               | \$1.96      |                |
| Revenue per Ton-Mile         22         \$0.03         \$0.24         \$0.11         \$0.06           Average Load (Tons)         21         9         25         18         9           Average Haul (Miles)         11         52         538         183         13           Outside Vehicle Maintenance per Truck/Tractor         68         -         43,241         5,354         6,492   | Revenue per Ton                               | 23  | \$3.75     | \$47.81       | \$17.92     | \$13.72        |
| Average Load (Tons)         21         9         25         18         9           Average Haul (Miles)         11         52         538         183         13           Outside Vehicle Maintenance per Truck/Tractor         68         -         43,241         5,354         6,492   | Revenue per Shipment                          |     |            |               |             |                |
| Average Haul (Miles)         11         52         538         183         13           Outside Vehicle Maintenance per Truck/Tractor         68         -         43,241         5,354         6,492  | Revenue per Ton-Mile                          |     | \$0.03     | •             |             | \$0.06         |
| Outside Vehicle Maintenance 68 - 43,241 5,354 6,492 per Truck/Tractor  | Average Load (Tons)                           |     |            |               |             |                |
| per Truck/Tractor  | Average Haul (Miles)                          |     | 52         |               |             |                |
| Valid N (listwise) 3   | Outside Vehicle Maintenance per Truck/Tractor | 68  | -          | 43,241        | 5,354       | 6,492          |
|  | Valid N (listwise)                            | 3   |            |               |             |                |

#### XI. BUILDING MATERIALS CARRIERS

#### Overview of Carriers

Building Materials include lumber, cut stone, cement, sheet rock and other building products normally carried on flatbed trucks. This category does not include dry bulk products such as sand, gravel, crushed stone or other products usually transported by dump trucks. A total of 31 firms in the Building Materials industry segment reported \$737.3 Million in annual revenues for 1997 (Table 66). The revenues for the five largest firms account for 77.25% of all the segment's revenues. The largest firm in this segment, Builders' Transport, generated 39.1% of the segment's total revenue. Four of the five largest firms in this industry segment account for 80.4% of the segment's total assets and 70.0% of the total units in the segment's fleet (Table 70).

The information summarized above suggests that there is a high level of dominance by the largest carriers in this industry segment. However, two of the five largest firms experienced negative profit margins with the largest having a net income loss of \$50.5 Million, resulting in a net profit margin of -17.5% (Table 71). In contrast, four of the five smallest carriers reported positive net profit margins, although the highest profit margin reported was only 5.6% (Table 73).

Overall, the average net profit margin for firms in the industry was 1%. In addition, the average return on equity was 15.2% (Table 67). The five firms with the highest return on equity ratios had an average of 59.8% (Table 69). This indicates that these firms were about 4 times more effective in returning value to their shareholders with respect to the average firm in the industry. Furthermore, these firms are more than 10 times smaller than the five largest firms in the industry. Indeed, the total revenue of the 5 largest firms in the industry is \$569.4 Million (Table 70), while the total revenue of the 5 most profitable firms is \$48.8 Million (Table 68). Thus, carriers in this industry segment do not necessarily enjoy profitability advantages associated with the size of their operations.

Carriers in this segment handled on average 19,551 shipments and 1.1 Million tons of freight and produced 335.7 Million ton-miles on average. Their average load was 18.7 tons and their average length of haul was 443.5 miles (Tables 66 and 67). Among the five largest carriers, Builders Transport generated approximately nine times the average tons carried by firms in the segment as well as ten times the average ton-miles (Table 68).

On average, carriers in this segment owned 48% of their trucks; 58% of their tractors; and 77% of their trailers (Table 66). Among the five largest carriers in this segment, operating strategies differed. While Builders Transport owns 88% of its tractors, Kennedy Trucking owns only 57% of its tractors and Great American Lines depends exclusively on owner-operators for its tractors (Table 70).

Among the five most profitable firms in the segment, average tons and ton-miles for reporting firms are substantially below segment averages. This again confirms the finding that firm profitability and size are not strongly related in this segment. With respect to

#### **BUILDING MATERIALS CARRIERS**

average length of haul, among the most profitable firms reporting, one, Ameri-Co Carriers, Inc., had an average four times the average for all firms in the segment, while another of the five most profitable firms, Alger Company, had an average length of haul of only 145 miles, substantially below the average for all firms in the segment. Thus, segment profitability does not appear to be related directly to average length of haul, firms with well above average and well below average haul lengths are included in the group of most profitable segment carriers (Table 68).

The five most profitable firms relied either exclusively on owner-operators (Southwest Express, Ameri-Co Carriers, and Alger Company) or company drivers (Hartwick & Hand, Inc. and Sylvester Material Company) to handle their tractor operations. This suggests that neither an all owner-operator or an all company driver strategy is a key factor in devising a profitable business approach (Table 68). Furthermore, there is variation among the five smallest companies in their reliance on company drivers and owner-operators. Among the five smallest companies, only one, Northwood Transport, relies exclusively on either company drivers or owner-operators (they rely on company drivers exclusively). The other carriers in the group of smallest carriers rely on company drivers to operate from 13% to 84% of their tractors (Table 72).

One important performance dimension in the transportation sector is firm operating ratio, which compares operating expenses to operating revenues. Among all firms in this segment, the average operating ratio is 97.2 (Table 67). Among the five most profitable firms (Table 69), based on return on equity, operating ratio ranged from a low of 87.6% (Sylvester Material Company) to a high of 98.1% (Ameri-Co Carriers, Inc.). Among the five largest carriers (Table 71), the largest, Builders Transport, had an operating ratio of 112.2. Among this group of carriers, the one with the lowest operating ratio (Kelly truck Lines) still had a ratio of 94.1. Among the five smallest carriers (Table 73), three had operating ratios in excess of 100 and the firm with the lowest operating ratio still had a ratio of 94.1%. Clearly, neither the smallest nor the largest carriers in this industry segment had the best operating ratios.

Table 66--Building Materials Carriers' Average Size and Operating Performance

|   | Number of<br>Companies<br>Reporting | Total         |
|---|-------------------------------------|---------------|
| Revenue                                       | 31                                  | \$737,258,651 |
| Units in Fleet                                | 30                                  | 13,005        |
| Assets  | 29                                  | \$309,513,018 |
| Tons Carried                                  | 20                                  | 21,114,924    |
| Ton-Miles                                     | 17                                  | 5,706,839,150 |
| Shipments                                     | 19                                  | 371,466       |
|   |                                     | Average       |
| Size of Load                                  | 16                                  | 18.7 Tons     |
| Length of Haul                                | 15                                  | 443.5 Miles   |
|   |                                     | Average       |
| Revenue Per Mile                              | 23                                  | \$1.33        |
| Revenue Per Ton                               | 18                                  | \$28.18       |
| Revenue Per Ton-Mile                          | 17                                  | \$0.11        |
|   |                                     | Average       |
| % of Trucks Owned                             | 29                                  | 48%           |
| % of Tractors Owned                           | 29                                  | 58%           |
| % of Trailers Owned                           | 29                                  | 77%           |
| Outside Vehicle Maintenance per Truck/Tractor | 29                                  | \$5,359       |

Table 67-- Building Materials Carriers' Average Financial Performance

| Operating Income  | (\$846,565)   |
|-------------------|---------------|
| Net Income        | (\$1,531,805) |
| Operating Ratio   | 97.15         |
| Net Profit Margin | 0.97%         |
| Return on Equity  | 15.21%        |

Table 68-- Building Materials Carriers' Size and Operating Performance: Five Most Profitable Carriers

| Carrier          | Location        | Revenue      | Units    | Assets      | Tons    | Ton-miles   |
|------------------|-----------------|--------------|----------|-------------|---------|-------------|
|                  |                 |              | in Fleet |             | carried |             |
| Southwest        | Glendale, AZ    | \$4,277,800  | 39       | \$435,100   | N/A     | N/A         |
| Express          |                 |              |          |             |         |             |
| Ameri-Co         | Scottsbluff, NE | \$10,313,000 | 183      | \$834,000   | 131,000 | 237,233,000 |
| Carriers, Inc.   |                 |              |          |             |         |             |
| Hartwick &       | Victorville, CA | \$7,675,055  | 198      | \$3,931,626 | N/A     | N/A         |
| Hand, Inc.       |                 |              |          |             |         |             |
| Alger (Geo. F.), | Romulus, MI     | \$9,382,943  | 135      | \$1,353,647 | 308,370 | 44,584,877  |
| Company          |                 |              |          |             |         |             |
| Sylvester        | Sylvania, OH    | \$17,120,633 | 163      | \$9,316,400 | N/A     | N/A         |
| Material         |                 |              |          |             |         |             |
| Company          |                 |              |          |             |         |             |

| Carrier          | Total<br>Shipments | Average<br>Load | Average<br>Haul | Revenue<br>Per | Revenue<br>Per Mile | Revenue<br>Per Ton | Revenue<br>Per Ton- |
|------------------|--------------------|-----------------|-----------------|----------------|---------------------|--------------------|---------------------|
|                  | •                  | (Tons)          | (Miles)         | Shipment       |                     |                    | Mile                |
| Southwest        | N/A                | N/A             | N/A             | N/A            | N/A                 | N/A                | N/A                 |
| Express          |                    |                 |                 |                |                     |                    |                     |
| Ameri-Co         | 11,000             | 24              | 1,807           | \$944          | \$1.04              | N/A                | \$0.04              |
| Carriers, Inc.   |                    |                 |                 |                |                     |                    |                     |
| Hartwick &       | N/A                | N/A             | N/A             | N/A            | \$1.42              | N/A                | N/A                 |
| Hand, Inc.       |                    |                 |                 |                |                     |                    |                     |
| Alger (Geo. F.), | 12,081             | 26              | 145             | \$777          | N/A                 | \$30.43            | \$0.21              |
| Company          |                    |                 |                 |                |                     |                    |                     |
| Sylvester        | N/A                | N/A             | N/A             | N/A            | N/A                 | N/A                | N/A                 |
| Material         |                    |                 |                 |                |                     |                    |                     |
| Company          |                    |                 |                 |                |                     |                    |                     |

| Carrier                 | % Trucks | % Tractors | % Trailers | Outside Vehicle |
|-------------------------|----------|------------|------------|-----------------|
|                         | Owned    | Owned      | Owned      | Maintenance per |
|                         |          |            |            | Truck/Tractor   |
| Southwest Express       | 0%       | 0%         | N/A        | \$900           |
| Ameri-Co Carriers, Inc. | N/A      | 0%         | 100%       | \$5,047         |
| Hartwick & Hand, Inc.   | 100%     | 100%       | 100%       | \$7,139         |
| Alger (Geo. F.),        | N/A      | 0%         | 100%       | \$636           |
| Company                 |          |            |            |                 |
| Sylvester Material      | 45%      | 100%       | 100%       | \$4,524         |
| Company                 |          |            |            |                 |

Table 69-- Building Materials Carriers' Financial Performance: Five Most Profitable Carriers

| Carrier        | Operating   | Net       | Operating | Net Profit | Return on |
|----------------|-------------|-----------|-----------|------------|-----------|
|                | Income      | Income    | Ratio     | Margin     | Equity    |
| Southwest      | \$96,100    | \$96,100  | 97.75     | 2.25%      | 113%      |
| Express        |             |           |           |            |           |
| Ameri-Co       | \$201,000   | \$63,000  | 98.05     | 0.61%      | 56%       |
| Carriers, Inc. |             |           |           |            |           |
| Hartwick &     | \$443,835   | \$309,064 | 94.22     | 4.03%      | 56%       |
| Hand, Inc.     |             |           |           |            |           |
| Alger (Geo.    | \$303,664   | \$193,847 | 96.76     | 2.07%      | 43%       |
| F.), Company   |             |           |           |            |           |
| Sylvester      | \$2,127,706 | \$749,599 | 87.58     | 4.38%      | 31%       |
| Material       |             |           |           |            |           |
| Company        |             |           |           |            |           |

Table 70-- Building Materials Carriers' Size and Operating Performance: Five Largest Carriers

| Carrier            | Location     | Revenue       | Units<br>in | Assets        | Tons<br>carried | Ton-miles     |
|--------------------|--------------|---------------|-------------|---------------|-----------------|---------------|
|                    |              |               | Fleet       |               | Carricu         |               |
| Builders Transport | Camden, SC   | \$288,145,000 | 7,144       | \$208,895,000 | 9,491,000       | 4,059,314,000 |
| Mercer             | Louisville,  | \$164,206,000 | N/A         | N/A           | N/A             | N/A           |
| Transportation     | KY           |               |             |               |                 |               |
| Great American     | Murrysville, | \$71,887,133  | 882         | \$10,044,427  | 3,158,071       | N/A           |
| Lines              | PA           |               |             |               |                 |               |
| Kennedy (Louis J.) | Kearny, NJ   | \$23,254,145  | 532         | \$9,565,332   | 761,952         | 115,830,480   |
| Trucking           | -            |               |             |               |                 |               |
| Kelly Truck Line   | Pittsburg,   | \$21,933,942  | 551         | \$20,267,768  | N/A             | 349,048,302   |
|                    | KS           |               |             |               |                 |               |

| Carrier                   | Total     | Average | Average | Revenue  | Revenue  | Revenue | Revenue  |
|---------------------------|-----------|---------|---------|----------|----------|---------|----------|
|                           | Shipments | Load    | Haul    | Per      | Per Mile | Per Ton | Per Ton- |
|                           |           | (Tons)  | (Miles) | Shipment |          |         | Mile     |
| <b>Builders Transport</b> | N/A       | 16      | 428     | N/A      | \$1.13   | \$30.33 | \$0.07   |
| Mercer                    | N/A       | N/A     | N/A     | N/A      | N/A      | N/A     | N/A      |
| Transportation            |           |         |         |          |          |         |          |
| Great American            | 117,083   | N/A     | N/A     | \$614    | \$2.05   | \$22.76 | N/A      |
| Lines                     |           |         |         |          |          |         |          |
| Kennedy (Louis J.)        | 42,092    | 11      | 152     | \$552    | \$2.27   | \$30.52 | \$0.20   |
| Trucking                  |           |         |         |          |          |         |          |
| Kelly Truck Line          | N/A       | 18      | N/A     | N/A      | \$1.16   | N/A     | \$0.06   |

| Carrier            | % Trucks | % Tractors | % Trailers | Outside Vehicle |
|--------------------|----------|------------|------------|-----------------|
|                    | Owned    | Owned      | Owned      | Maintenance per |
|                    |          |            |            | Truck/Tractor   |
| Builders Transport | N/A      | 88%        | 100%       | \$3,132         |
| Mercer             | N/A      | N/A        | N/A        | N/A             |
| Transportation     |          |            |            |                 |
| Great American     | N/A      | 0%         | 100%       | \$29,591        |
| Lines              |          |            |            |                 |
| Kennedy (Louis J.) | N/A      | 57%        | 100%       | \$767           |
| Trucking           |          |            |            |                 |
| Kelly Truck Line   | N/A      | 100%       | 100%       | \$2,915         |

Table 71-- Building Materials Carriers' Financial Performance: Five Largest Carriers

| Carrier        | Operating      | Net Income     | Operating | Net Profit | Return on |
|----------------|----------------|----------------|-----------|------------|-----------|
|                | Income         |                | Ratio     | Margin     | Equity    |
| Builders       | (\$35,044,000) | (\$50,512,000) | 112.16    | (17.53%)   | 0%        |
| Transport      |                |                |           |            |           |
| Mercer         | N/A            | N/A            | 94.60     | N/A        | N/A       |
| Transportation |                |                |           |            |           |
| Great          | \$853,358      | \$369,300      | 98.81     | 0.51%      | 18%       |
| American       |                |                |           |            |           |
| Lines          |                |                |           |            |           |
| Kennedy        | \$254,319      | \$1,200,658    | 98.91     | 5.16%      | 15%       |
| (Louis J.)     |                |                |           |            |           |
| Trucking       |                |                |           |            |           |
| Kelly Truck    | \$1,293,750    | (\$216,094)    | 94.10     | (0.99%)    | (12%)     |
| Line           |                | ·              |           |            |           |

Table 72-- Building Materials Carriers' Size and Operating Performance: Five Smallest Carriers

| Carrier      | Location      | Revenue     | Units    | Assets      | Tons    | Ton-miles  |
|--------------|---------------|-------------|----------|-------------|---------|------------|
|              |               |             | in Fleet |             | carried |            |
| Seltex       | Pflugerville, | \$2,540,878 | 49       | \$515,199   | 131,560 | 49,795,000 |
|              | TX            |             |          |             |         |            |
| Northwood    | Kalkaska, MI  | \$3,075,148 | 117      | \$3,514,245 | 49,300  | 7,395,000  |
| Transport    |               |             |          |             |         |            |
| Decato Bros. | Lebanon, NH   | \$3,424,725 | 78       | \$1,489,233 | 89,700  | 44,850,000 |
| Jones (Dick) | Powell, WY    | \$3,850,269 | 110      | \$1,878,299 | 148,512 | N/A        |
| Trucking     |               |             |          |             |         |            |
| Welch        | Portales, NM  | \$3,898,582 | 51       | \$1,711,816 | 81,972  | 75,716,993 |
| Trucking     |               |             |          |             |         |            |

| Carrier        | Total     | Average | Average | Revenue  | Revenue  | Revenue | Revenue  |
|----------------|-----------|---------|---------|----------|----------|---------|----------|
|                | Shipments | Load    | Haul    | Per      | Per Mile | Per Ton | Per Ton- |
|                |           | (Tons)  | (Miles) | Shipment |          |         | Mile     |
| Seltex         | 5,720     | 23      | 379     | \$444    | \$1.17   | \$19.31 | \$0.05   |
| Northwood      | 986       | N/A     | 150     | N/A      | N/A      | \$62.38 | \$0.42   |
| Transport      |           |         |         |          |          |         |          |
| Decato Bros.   | 4,485     | 15      | 500     | \$764    | \$1.15   | \$38.18 | \$0.08   |
| Jones (Dick)   | 5,712     | N/A     | N/A     | \$674    | \$1.34   | \$25.93 | N/A      |
| Trucking       |           |         |         |          |          |         |          |
| Welch Trucking | 3,224     | 24      | 924     | N/A      | \$1.22   | \$47.56 | \$0.05   |

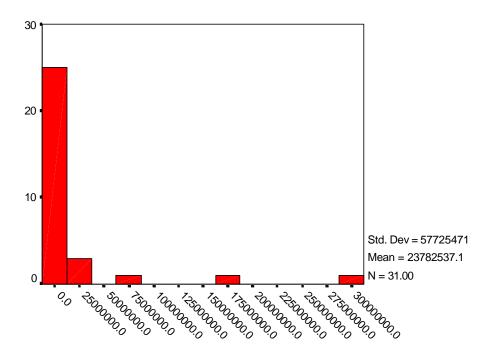
| Carrier        | % Trucks | % Tractors | % Trailers | Outside Vehicle Maintenance |
|----------------|----------|------------|------------|-----------------------------|
|                | Owned    | Owned      | Owned      | per Truck/Tractor           |
| Seltex         | N/A      | 13%        | 15%        | \$1,600                     |
| Northwood      | 67%      | 100%       | 100%       | \$1,405                     |
| Transport      |          |            |            |                             |
| Decato Bros.   | N/A      | 44%        | 48%        | \$514                       |
| Jones (Dick)   | N/A      | 84%        | 93%        | \$3,126                     |
| Trucking       |          |            |            |                             |
| Welch Trucking | N/A      | 83%        | 89%        | N/A                         |

# BUILDING MATERIALS CARRIERS

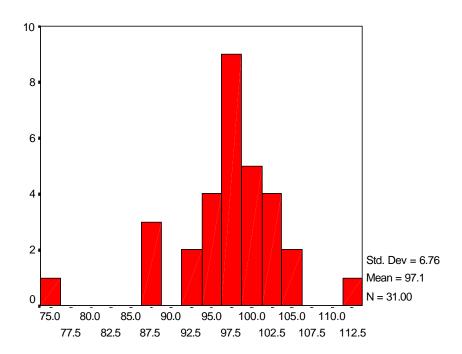
Table 73-- Building Materials Carriers' Financial Performance: Five Smallest Carriers

| Carrier      | Operating   | Net        | Operating | Net Profit | Return on |
|--------------|-------------|------------|-----------|------------|-----------|
|              | Income      | Income     | Ratio     | Margin     | Equity    |
| Seltex       | (\$100,497) | (\$92,316) | 103.96    | (3.63%)    | N/A       |
| Northwood    | (\$106,593) | \$27,246   | 103.47    | 0.89%      | 0.82%     |
| Transport    |             |            |           |            |           |
| Decato Bros. | \$91,547    | \$70,631   | 97.33     | 2.06%      | N/A       |
| Jones (Dick) | (\$92,101)  | \$15,765   | 102.39    | 0.41%      | 0.90%     |
| Trucking     |             |            |           |            |           |
| Welch        | \$229,058   | \$217,632  | 94.12     | 5.58%      | 14.65%    |
| Trucking     |             |            |           |            |           |

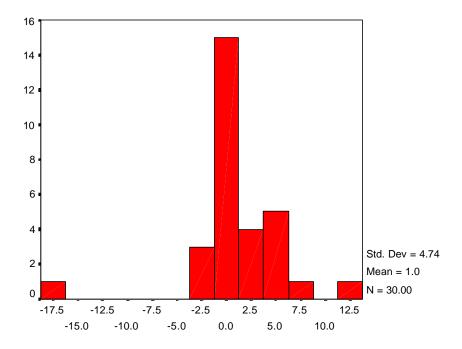
### **Summary Charts and Graphs for Building Materials Carriers**



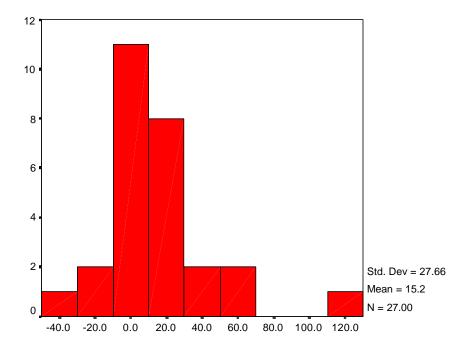
#### Revenue



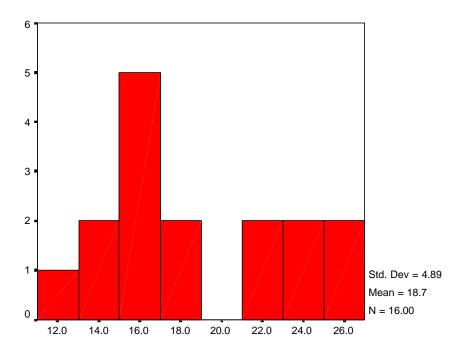
**Operating Ratio** 



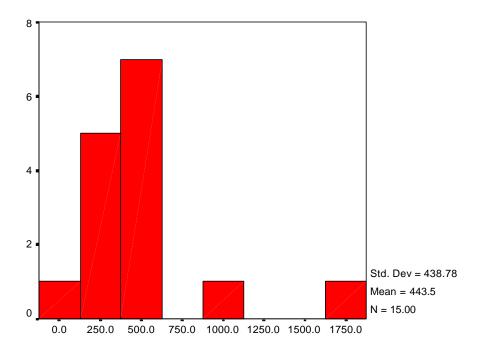
Net Profit Margin



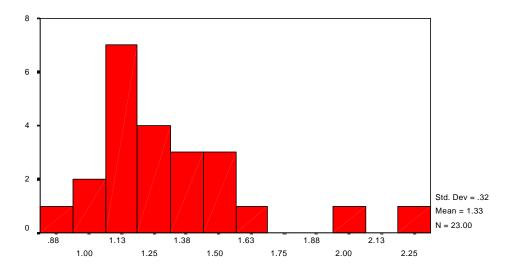
Return on Equity



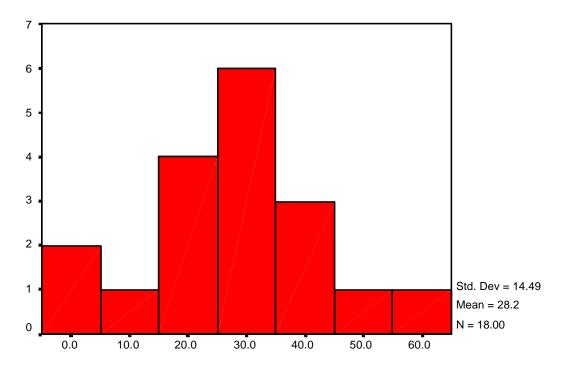
Average Load (Tons)



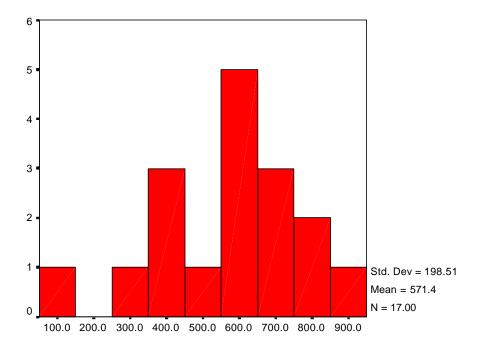
Average Haul (Miles)



Revenue per Mile



Revenue per Ton



Revenue per Shipment

# Summary Data for Building Materials Carriers

| <b>Building Materials Carriers</b>            |                     |              |               |             |                                       |
|---|---------------------|--------------|---------------|-------------|---------------------------------------|
| Descriptive Statistics                        |                     |              |               |             |                                       |
|   | Number of Companies | Minimum      | Maximum       | Mean        | Std. Deviation                        |
| Financial Summary                             |                     |              |               |             |                                       |
| Revenue                                       | 31                  | 2,540,878    | 290,000,000   | 24,000,000  | 58,000,000                            |
| Expenses                                      | 31                  | 2,641,375    | 320,000,000   | 24,000,000  | 63,000,000                            |
| Operating Income                              | 30                  | (35,000,000) | 2,127,206     | (846,565)   | 6,483,578                             |
| Net Income                                    | 30                  | (51,000,000) | 1,201,000     | (1,531,805) | 9,255,85                              |
| Total Assets                                  | 29                  | 435,100      | 210,000,000   | 11,000,000  | 38,000,000                            |
| Total Liabilities                             | 29                  | 133,127      | 250,000,000   | 11,000,000  | 47,000,000                            |
| Total Equity                                  | 29                  | (44,000,000) | 7,969,000     | (106,186)   | 8,536,17                              |
| Operating Ratio                               | 31                  | 74           | 112           | 97          | 7                                     |
| Net Profit Margin                             | 30                  | -18%         | 12%           | 97%         | 5%                                    |
| Return on Equity                              | 27                  | -30%         | 113%          | 15%         | 28%                                   |
| Individual Expense Items                      |                     |              |               |             |                                       |
| Drivers and Helpers Wages                     | 21                  | 89,200       | 77,000,000    | 4,860,657   | 16,000,000                            |
| Insurance                                     | 29                  | 13,200       | 24,506,000    | 1,167,167   | 4,503,38                              |
| Outside Vehicle Maintenance                   | 25                  | 16,448       | 13,138,307    | 1,147,593   | 3,025,780                             |
| Purchased Transportation                      | 31                  | -            | 24,000,000    | 2,001,665   | 4,484,556                             |
| Fleet Composition                             |                     |              |               |             |                                       |
| (Items as a percent of total)                 |                     |              |               |             |                                       |
| Trucks Owned                                  | 29                  | 0%           | 100%          | 48%         | 44%                                   |
| Trucks Leased                                 | 29                  | 0%           | 100%          | 52%         | 44%                                   |
| Tractors Owned                                | 29                  | 0%           | 100%          | 58%         | 43%                                   |
| Tractors Leased                               | 29                  | 0%           | 100%          | 42%         | 43%                                   |
| Trailers Owned                                | 29                  | 0%           | 100%          | 77%         | 37%                                   |
| Trailers Leased                               | 29                  | 0%           | 100%          | 23%         | 37%                                   |
| Operating Statistics                          |                     |              |               |             |                                       |
| Total Units in Fleet                          | 30                  | 39           | 7,144         | 434         | · · · · · · · · · · · · · · · · · · · |
| Total Highway Miles                           | 25                  | 147,900      | 250,000,000   | 17,000,000  |                                       |
| Total Tons Carried                            | 20                  | 37,934       | 9,491,000     | 1,055,746   | 2,221,393                             |
| Total Ton-Miles                               | 17                  | 7,395,000    | 4,100,000,000 | 340,000,000 | 960,000,000                           |
| Total Shipments                               | 19                  | 986          | 117,083       | 19,551      | 27,272                                |
| Revenue per Mile                              | 23                  | \$0.94       | \$2.27        | \$1.33      | •                                     |
| Revenue per Ton                               | 18                  | \$1.68       | \$62.38       | \$28.18     | · ·                                   |
| Revenue per Shipment                          | 17                  | \$104.35     | \$943.86      | \$571.36    | \$198.5                               |
| Revenue per Ton-Mile                          | 17                  | \$0.04       | \$0.42        | \$0.11      | \$0.09                                |
| Average Load (Tons)                           | 16                  | 11           | 27            | 19          | į                                     |
| Average Haul (Miles)                          | 15                  | 20           | 1,807         | 443         | 439                                   |
| Outside Vehicle Maintenance per Truck/Tractor | 25                  | 514          | 29,591        | 5,359       | 5,883                                 |
| Valid N (listwise)                            | 1                   |              |               |             |                                       |

#### XII. HEAVY EQUIPMENT CARRIERS

#### Overview of Carriers

Heavy equipment carriers transport commodities, which because of size, shape, form or weight require use of special equipment. A total of 22 firms in the Heavy Equipment industry segment reported \$305.9 Million in annual revenues for 1997 (Table 74). The revenues for the five largest firms account for 36.6% of all the segment's revenues. The largest firm in this segment, Belger Cartage Service, generated 9.4% of the segment's total revenue. The five largest firms in this industry segment account for 31.6% of the segment's total assets and 39.6% of the total units in the segment's fleet (Table 78).

The information summarized above suggests that there is a high level of competition in this industry segment. However, this has not been an obstacle to carriers' generating positive profit margins. The largest firm in the industry segment reported a net income of \$1.1 Million, resulting in a net profit margin of 3.9%. (Table 79). In addition, two of the five smallest firms in the industry segment obtained a positive profit margin, with one, Wilhelm Warehouse, reaching a net profit margin of 14.6% (Table 81).

Overall, the average net profit margin for firms in the industry was 4%. In addition, the average return on equity was 20.4% (Table 75). The five firms with the highest return on equity ratios had an average of 43% (Table 77). This indicates that these firms were about 2 times more effective in returning value to their shareholders with respect to the average firm in the industry. Furthermore, these firms are more than 2 times smaller than the five largest firms in the industry. Indeed, the total revenue of the 5 largest firms in the industry is \$111.9 Million (Table 78), while the total revenue of the 5 most profitable firms is \$51.9 Million (Table 76). Thus, carriers in this industry segment do not necessarily enjoy profitability advantages associated with the size of their operations.

Carriers in this segment handled on average 9,650 shipments and 240.3 Thousand tons of freight and produced 7.9 Million ton-miles on average. Their average load was 13.4 tons and their average length of haul was 197 miles (Tables 74 and 75). Among the five largest carriers, Ace-Doran Hauling & Rigging, generated approximately five times the average tons carried by firms in the segment (Table 76).

On average, carriers in this segment owned 98% of their trucks; 83% of their tractors; and 99% of their trailers (Table 74). Among the five largest carriers in this segment, operating strategy favored company ownership of equipment. Four of the five largest companies owned no less than 95% of their trucks, tractors, and trailers, respectively. Only Davenport Mammoet Heavy Transportation selected an alternative strategy with only 55% of its tractors being company-owned. (Table 78).

Among the five most profitable firms in the segment, there is a scarcity of reported information about tons carried, ton-miles generated, shipments handled, average loads, and average lengths of haul. The available information shows that several of the most profitable firms, Dawn trucking and Pelican Transportation, handled significantly less

#### HEAVY EQUIPMENT CARRIERS

tons of freight than the reported average tons for firms in this segment. In fact, Pelican Transportation handled only 13,252 tons of freight, which is 18 times below the average for firms in this segment. This again confirms the finding that firm profitability and size are not strongly related in this segment. (Table 76).

Four of the five most profitable firms relied almost exclusively on company-owned equipment to handle their truck, tractor, and trailer operations. Only one firm, Pelican Transportation, reported that it did not own any of its tractors (Table 76). There is variation among the five smallest companies in their reliance on company drivers with company-owned equipment and owner-operators. Among the five smallest companies, three rely exclusively on company drivers. Two carriers, Argee Transport and Terrell Trucking, use a mixed strategy, with a 63% and 60% level of tractor ownership achieved, respectively. (Table 80).

One important performance dimension in the transportation sector is firm operating ratio, which compares operating expenses to operating revenues. Among all firms in this segment, the average operating ratio is 100.17 (Table 75). This indicates that on average firms in this segment spend more on their transportation operations than they accumulate in revenues from transportation operations. Among the five most profitable firms (Table 77), based on return on equity, operating ratio ranged from a low of 72% (Swifty Transportation) to a high of 104.9% (Pradon Construction & Trucking). Among the five largest carriers (Table 79), the largest, Belger Cartage Service, had an operating ratio of 91.3 - the lowest operating ratio achieved by any of the largest firms. The four remaining firms in the group of the segment's largest carriers had operating ratios ranging from 92.7 to 98.8. Among the five smallest carriers (Table 81), four had operating ratios in excess of 100 and the firm with the lowest operating ratio still had a ratio of 97.2%. Clearly, the smallest carriers in this segment achieved very poor operating performance. In fact, their negative operating performance indicates the marginal nature of their transportation operations. This contrasts sharply with the far better performance achieved by both the largest and most profitable firms in this segment.

Table 74--Heavy Equipment Carriers' Average Size and Operating Performance

|                        | Number of Companies<br>Reporting | Total         |
|------------------------|----------------------------------|---------------|
| Revenue                | 22                               | \$305,945,584 |
| Units in Fleet         | 21                               | 3,797         |
| Assets                 | 20                               | \$196,496,395 |
| Tons Carried           | 13                               | 3,124,219     |
| Ton-Miles              | 12                               | 94,927,216    |
| Shipments              | 13                               | 125,456       |
| _                      |                                  | Average       |
| Size of Load (Tons)    | 4                                | 13.44         |
| Length of Haul (Miles) | 2                                | 197           |
|                        |                                  | Average       |
| Revenue Per Mile       | 18                               | \$2.97        |
| Revenue Per Ton        | 9                                | \$154.79      |
| Revenue Per Ton-Mile   | 4                                | \$3.27        |
|                        |                                  | Average       |
| % of Trucks Owned      | 9                                | 98%           |
| % of Tractors Owned    | 21                               | 83%           |
| % of Trailers Owned    | 20                               | 99%           |
| Outside Vehicle        | 20                               | \$10,086      |
| Maintenance per        |                                  |               |
| Truck/Tractor          |                                  |               |

Table 75--Heavy Equipment Carriers' Average Financial Performance

| Operating Income  | \$343,988 |
|-------------------|-----------|
| Net Income        | \$361,758 |
| Operating Ratio   | 100.17    |
| Net Profit Margin | 3.98%     |
| Return on Equity  | 20.37%    |

Table 76: Heavy Equipment Carriers' Size and Operating Performance: Five Most Profitable Carriers

| Carrier        | Location    | Revenue      | Units in | Assets      | Tons    | <b>Ton-miles</b> |
|----------------|-------------|--------------|----------|-------------|---------|------------------|
|                |             |              | Fleet    |             | carried |                  |
| Swifty         | Seymour,    | \$3,729,649  | 24       | \$1,449,976 | N/A     | N/A              |
| Transportation | IN          |              |          |             |         |                  |
| Dawn           | Farmington, | \$11,900,088 | 207      | \$5,802,011 | 124,530 | N/A              |
| Trucking       | NM          |              |          |             |         |                  |
| Pelican        | Lafayette,  | \$3,870,603  | 44       | \$996,308   | 13,252  | N/A              |
| Transportation | LA          |              |          |             |         |                  |
| Pradon         | Odessa, TX  | \$7,214,488  | 176      | \$4,847,862 | N/A     | N/A              |
| Construction & |             |              |          |             |         |                  |
| Trucking       |             |              |          |             |         |                  |
| Robbins Motor  | Essington,  | \$25,221,865 | 483      | \$7,015,496 | N/A     | N/A              |
| Transportation | PA          |              |          |             |         |                  |

| Carrier        | Total<br>Ship-<br>ments | Average<br>Load<br>(Tons) | Average<br>Haul<br>(Miles) | Revenue<br>Per<br>Shipment | Revenue<br>Per Mile | Revenue<br>Per Ton | Revenue<br>Per Ton-<br>Mile |
|----------------|-------------------------|---------------------------|----------------------------|----------------------------|---------------------|--------------------|-----------------------------|
| Swifty         | N/A                     | N/A                       | N/A                        | N/A                        | \$1.83              | N/A                | N/A                         |
| Transportation | 14/11                   | 14/11                     | 14/11                      | 14/11                      | Ψ1.03               | 14/11              | 14/11                       |
| Dawn           | 7,938                   | N/A                       | N/A                        | N/A                        | \$3.99              | N/A                | N/A                         |
| Trucking       |                         |                           |                            |                            |                     |                    |                             |
| Pelican        | N/A                     | N/A                       | N/A                        | \$487.60                   | \$2.16              | \$31.08            | N/A                         |
| Transportation |                         |                           |                            |                            |                     |                    |                             |
| Pradon         | N/A                     | N/A                       | N/A                        | N/A                        | \$2.22              | \$544.41           | N/A                         |
| Construction   |                         |                           |                            |                            |                     |                    |                             |
| & Trucking     |                         |                           |                            |                            |                     |                    |                             |
| Robbins        | N/A                     | N/A                       | N/A                        | N/A                        | \$3.37              | N/A                | N/A                         |
| Motor          |                         |                           |                            |                            |                     |                    |                             |
| Transportation |                         |                           |                            |                            |                     |                    |                             |

# HEAVY EQUIPMENT CARRIERS

Table 76: Heavy Equipment Carriers' Size and Operating Performance: Five Most Profitable Carriers (Continued)

| Carrier        | % Trucks | % Tractors | % Trailers Owned | Outside Vehicle Maintenance |
|----------------|----------|------------|------------------|-----------------------------|
|                | Owned    | Owned      |                  | per Truck/Tractor           |
| Swifty         | N/A      | 100%       | 100%             | \$26,573                    |
| Transportation |          |            |                  |                             |
| Dawn Trucking  | 83%      | 92%        | 100%             | \$17,227                    |
| Pelican        | N/A      | 0%         | N/A              | N/A                         |
| Transportation |          |            |                  |                             |
| Pradon         | N/A      | 100%       | 100%             | \$15,411                    |
| Construction & |          |            |                  |                             |
| Trucking       |          |            |                  |                             |
| Robbins Motor  | N/A      | 100%       | 100%             | \$1,985                     |
| Transportation |          |            |                  |                             |

# HEAVY EQUIPMENT CARRIERS

Table 77--Heavy Equipment Carriers' Average Financial Performance: Five Most Profitable Carriers

| Carrier        | Operating   | Net         | Operating | Net Profit | Return on Equity |
|----------------|-------------|-------------|-----------|------------|------------------|
|                | Income      | Income      | Ratio     | Margin     |                  |
| Swifty         | \$1,042,796 | \$1,017,835 | 72.04     | 27.29%     | 120.24%          |
| Transportation |             |             |           |            |                  |
| Dawn           | \$1,143,241 | \$1,143,241 | 90.39     | 9.61%      | 41.68%           |
| Trucking       |             |             |           |            |                  |
| Pelican        | \$271,075   | \$175,244   | 93.00     | 4.53%      | 20.99%           |
| Transportation |             |             |           |            |                  |
| Pradon         | -\$355,054  | \$658,982   | 104.92    | 9.13%      | 17.12%           |
| Construction   |             |             |           |            |                  |
| & Trucking     |             |             |           |            |                  |
| Robbins        | \$683,009   | \$636,386   | 97.29     | 2.52%      | 15.26%           |
| Motor          |             |             |           |            |                  |
| Transportation |             |             |           |            |                  |

Table 78: Heavy Equipment Carriers' Size and Operating Performance: Five Largest Carriers

| Carrier        | Location     | Revenue      | Units in | Assets       | Tons      | Ton-miles  |
|----------------|--------------|--------------|----------|--------------|-----------|------------|
|                |              |              | Fleet    |              | carried   |            |
| Belger         | Kansas City, | \$28,692,593 | 465      | \$25,230,850 | N/A       | 2,342,909  |
| Cartage        | MO           |              |          |              |           |            |
| Service        |              |              |          |              |           |            |
| Ace-Doran      | Cincinnati,  | \$26,919,453 | 188      | \$8,270,912  | 1,194,707 | N/A        |
| Hauling &      | OH           |              |          |              |           |            |
| Rigging        |              |              |          |              |           |            |
| Robbins        | Essington,   | \$25,221,865 | 483      | \$7,015,496  | N/A       | N/A        |
| Motor          | PA           |              |          |              |           |            |
| Transportation |              |              |          |              |           |            |
| Keep on        | Rancho       | \$16,690,559 | 279      | \$6,959,154  | N/A       | 69,544,000 |
| Trucking Co.   | Cucamonga,   |              |          |              |           |            |
| _              | CA           |              |          |              |           |            |
| Davenport      | Rosharon,    | \$14,395,784 | 90       | \$14,526,727 | N/A       | N/A        |
| Mammoet        | TX           |              |          |              |           |            |
| Hvy            |              |              |          |              |           |            |
| Transportation |              |              |          |              |           |            |

| Carrier      | Total     | Average | Average | Revenue  | Revenue  | Revenue | Revenue  |
|--------------|-----------|---------|---------|----------|----------|---------|----------|
|              | Shipments | Load    | Haul    | Per      | Per Mile | Per Ton | Per Ton- |
|              |           | (Tons)  | (Miles) | Shipment |          |         | Mile     |
| Belger       | N/A       | 4.24    | N/A     | N/A      | N/A      | N/A     | \$12.25  |
| Cartage      |           |         |         |          |          |         |          |
| Service      |           |         |         |          |          |         |          |
| Ace-Doran    | 44,457    | N/A     | N/A     | \$605.52 | \$1.27   | \$22.53 | N/A      |
| Hauling &    |           |         |         |          |          |         |          |
| Rigging      |           |         |         |          |          |         |          |
| Robbins      | N/A       | N/A     | N/A     | N/A      | \$3.37   | N/A     | N/A      |
| Motor        |           |         |         |          |          |         |          |
| Transportn.  |           |         |         |          |          |         |          |
| Keep on      | N/A       | 13.46   | N/A     | N/A      | \$3.23   | N/A     | \$0.24   |
| Trucking Co. |           |         |         |          |          |         |          |
| Davenport    | N/A       | N/A     | N/A     | N/A      | N/A      | N/A     | N/A      |
| Mammoet      |           |         |         |          |          |         |          |
| Hvy          |           |         |         |          |          |         |          |
| Transportn.  |           |         |         |          |          |         |          |

Table 78: Heavy Equipment Carriers' Size and Operating Performance: Five Largest Carriers (Continued)

| Carrier        | % Trucks | %               | % Trailers | Outside Vehicle |
|----------------|----------|-----------------|------------|-----------------|
|                | Owned    | <b>Tractors</b> | Owned      | Maintenance per |
|                |          | Owned           |            | Truck/Tractor   |
| Belger Cartage | 100%     | 95%             | 100%       | \$2,071         |
| Service        |          |                 |            |                 |
| Ace-Doran      | 100%     | 100%            | 100%       | \$7,225         |
| Hauling &      |          |                 |            |                 |
| Rigging        |          |                 |            |                 |
| Robbins Motor  | N/A      | 100%            | 100%       | \$1,985         |
| Transportation |          |                 |            |                 |
| Keep on        | N/A      | 100%            | 100%       | \$2,681         |
| Trucking Co.   |          |                 |            |                 |
| Davenport      | N/A      | 55%             | 100%       | \$4,557         |
| Mammoet Hvy    |          |                 |            |                 |
| Transportation |          |                 |            |                 |

Table 79--Heavy Equipment Carriers' Average Financial Performance: Five Largest Carriers

| Carrier        | Operating   | Net         | Operating | Net Profit | Return on |
|----------------|-------------|-------------|-----------|------------|-----------|
|                | Income      | Income      | Ratio     | Margin     | Equity    |
| Belger Cartage | \$2,491,292 | \$1,119,816 | 91.32     | 3.90%      | 11.43%    |
| Service        |             |             |           |            |           |
| Ace-Doran      | \$333,271   | \$250,713   | 98.76     | 0.93%      | 4.37%     |
| Hauling &      |             |             |           |            |           |
| Rigging        |             |             |           |            |           |
| Robbins Motor  | \$683,009   | \$636,386   | 97.29     | 2.52%      | 15.26%    |
| Transportation |             |             |           |            |           |
| Keep on        | \$216,852   | \$65,461    | 98.70     | 0.39%      | 2.15%     |
| Trucking Co.   |             |             |           |            |           |
| Davenport      | \$1,050,660 | \$913,600   | 92.70     | 6.35%      | 12.89%    |
| Mammoet Hvy    |             |             |           |            |           |
| Transportation |             |             |           |            |           |

Table 80: Heavy Equipment Carriers' Size and Operating Performance: Five Smallest Carriers

| Carrier    | Location     | Revenue     | Units    | Assets       | Tons    | Ton-miles  |
|------------|--------------|-------------|----------|--------------|---------|------------|
|            |              |             | in Fleet |              | carried |            |
| Argee      | Audubon,     | \$2,879,797 | 89       | \$1,519,934  | N/A     | N/A        |
| Transport  | IA           |             |          |              |         |            |
| Terrell    | Mooresville, | \$3,077,043 | 78       | N/A          | N/A     | N/A        |
| (Dan),     | IN           |             |          |              |         |            |
| Trucking   |              |             |          |              |         |            |
| Wilhelm    | Portland,    | \$3,257,731 | 221      | \$13,132,228 | 39,844  | 8,469,711  |
| (Rudie)    | OR           |             |          |              |         |            |
| Warehouse  |              |             |          |              |         |            |
| Bragg      | Long         | \$3,278,270 | 264      | \$76,332,652 | 7,800   | N/A        |
| Investment | Beach, CA    |             |          |              |         |            |
| Co.        |              |             |          |              |         |            |
| Interstate | Portland,    | \$3,325,274 | 137      | \$2,939,584  | 79,923  | 14,570,596 |
| Heavy      | OR           |             |          |              |         |            |
| Hauling    |              |             |          |              |         |            |

| Carrier    | Total<br>Shipments | Average<br>Load | Average<br>Haul | Revenue<br>Per | Revenue<br>Per Mile | Revenue<br>Per Ton | Revenue<br>Per Ton- |
|------------|--------------------|-----------------|-----------------|----------------|---------------------|--------------------|---------------------|
|            | Simplification     | (Tons)          | (Miles)         | Shipment       | Ter wine            | Ter Ton            | Mile                |
| Argee      | 30                 | N/A             | N/A             | N/A            | \$0.19              | N/A                | N/A                 |
| Transport  |                    |                 |                 |                |                     |                    |                     |
| Terrell    | N/A                | N/A             | N/A             | N/A            | \$1.33              | N/A                | N/A                 |
| (Dan),     |                    |                 |                 |                |                     |                    |                     |
| Trucking   |                    |                 |                 |                |                     |                    |                     |
| Wilhelm    | N/A                | 14.88           | 213             | N/A            | \$5.72              | \$81.76            | \$0.38              |
| (Rudie)    |                    |                 |                 |                |                     |                    |                     |
| Warehouse  |                    |                 |                 |                |                     |                    |                     |
| Bragg      | 300                | N/A             | N/A             | N/A            | \$7.76              | \$420.29           | N/A                 |
| Investment |                    |                 |                 |                |                     |                    |                     |
| Co.        |                    |                 |                 |                |                     |                    |                     |
| Interstate | 3,447              | 21.17           | 182             | \$964.69       | \$4.83              | \$41.61            | \$0.23              |
| Heavy      |                    |                 |                 |                |                     |                    |                     |
| Hauling    |                    |                 |                 |                |                     |                    |                     |

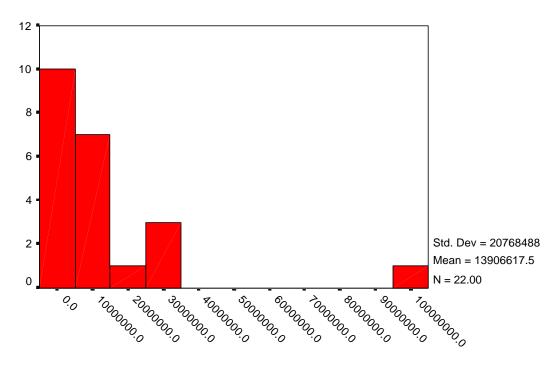
Table 80: Heavy Equipment Carriers' Size and Operating Performance: Five Smallest Carriers (Continued)

| Carrier        | % Trucks<br>Owned | % Tractors<br>Owned | % Trailers<br>Owned | Outside Vehicle<br>Maintenance per<br>Truck/Tractor |
|----------------|-------------------|---------------------|---------------------|---|
| Argee          | N/A               | 63%                 | 87%                 | \$7,976   |
| Transport      |                   |                     |                     |   |
| Terrell (Dan), | 100%              | 60%                 | 100%                | \$4,999   |
| Trucking       |                   |                     |                     |   |
| Wilhelm        | 100%              | 100%                | 100%                | \$4,092   |
| (Rudie)        |                   |                     |                     |   |
| Warehouse      |                   |                     |                     |   |
| Bragg          | 100%              | 100%                | 100%                | \$6,204   |
| Investment Co. |                   |                     |                     |   |
| Interstate     | 100%              | 100%                | 100%                | \$6,211   |
| Heavy Hauling  |                   |                     |                     |   |

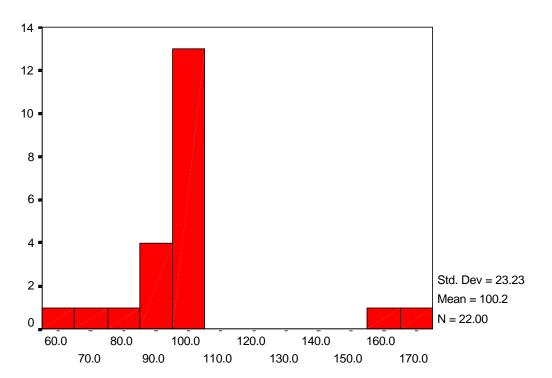
Table 81--Heavy Equipment Carriers' Average Financial Performance: Five Smallest Carriers

| Carrier    | Operating    | Net        | Operating | Net    | Return on Equity |
|------------|--------------|------------|-----------|--------|------------------|
|            | Income       | Income     | Ratio     | Profit |                  |
|            |              |            |           | Margin |                  |
| Argee      | \$79,375     | -\$206,934 | 97.24     | -7.19% | -26.50%          |
| Transport  |              |            |           |        |                  |
| Terrell    | -\$43,143    | -\$43,143  | 101.40    | -1.40% | N/A              |
| (Dan),     |              |            |           |        |                  |
| Trucking   |              |            |           |        |                  |
| Wilhelm    | -\$119,473   | \$476,046  | 103.67    | 14.61% | 4.16%            |
| (Rudie)    |              |            |           |        |                  |
| Warehouse  |              |            |           |        |                  |
| Bragg      | -\$2,299,091 | \$31,747   | 170.13    | 0.97%  | 0.08%            |
| Investment |              |            |           |        |                  |
| Co.        |              |            |           |        |                  |
| Interstate | -\$41,394    | \$3        | 101.24    | 0%     | 0%               |
| Heavy      |              |            |           |        |                  |
| Hauling    |              |            |           |        |                  |

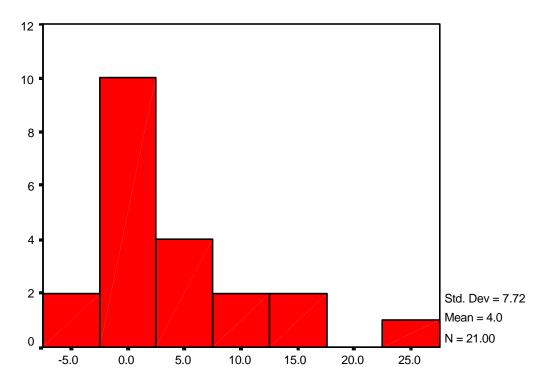
### **Summary Charts and Graphs for Heavy Equipment Carriers**



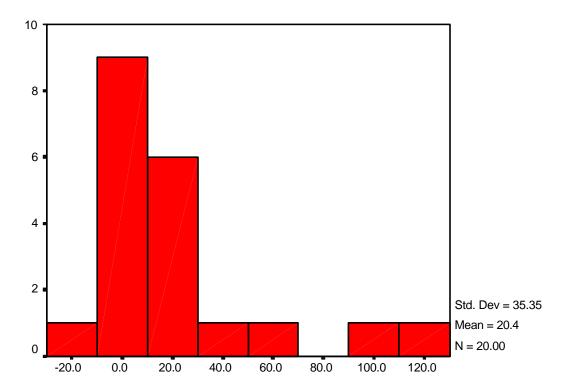
#### Revenue



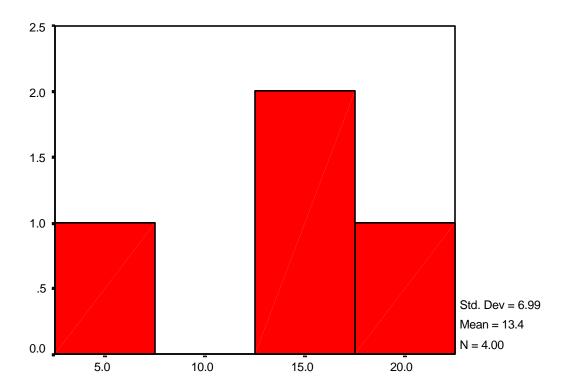
**Operating Ratio** 



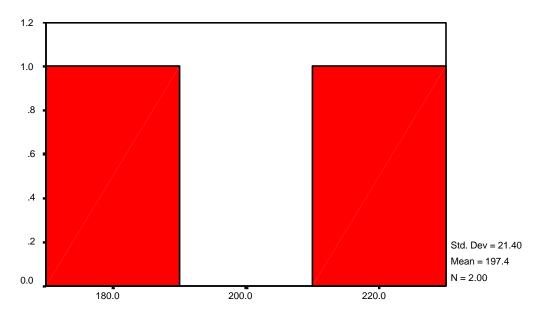
Net Profit Margin



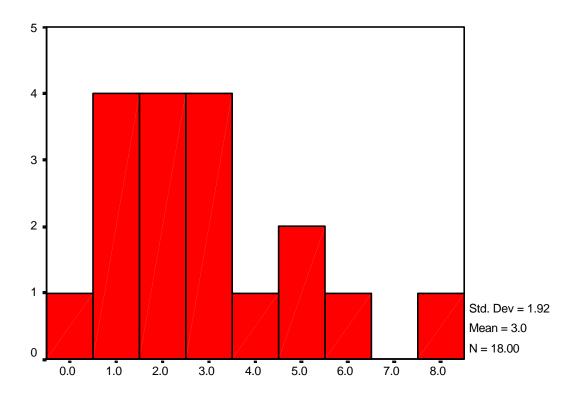
Return on Equity



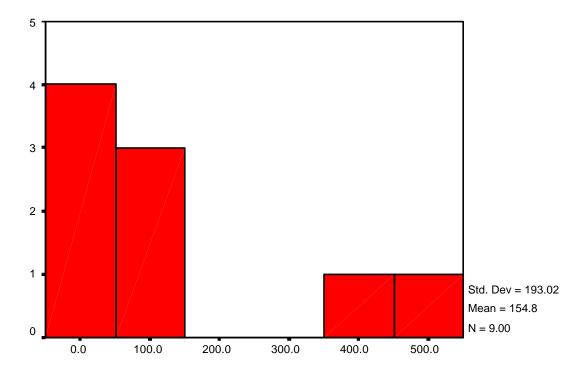
# Average Load (Tons)



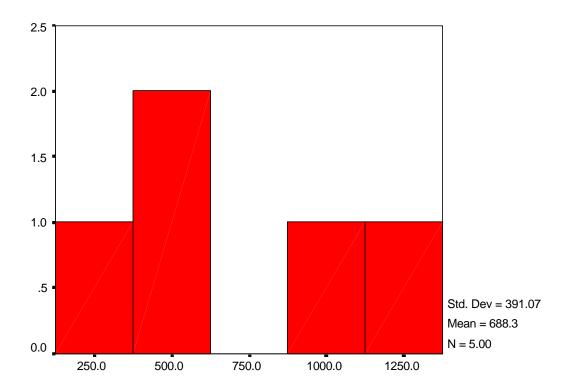
Average Haul (Miles)



# Revenue per Mile



Revenue per Ton



Revenue per Shipment

# **Summary Data for Heavy Equipment Carriers**

| Heavy Equipment Carriers                      |                     |             |            |            |                |
|---|---------------------|-------------|------------|------------|----------------|
| Descriptive Statistics                        |                     |             |            |            | T              |
|   | Number of Companies | Minimum     | Maximum    | Mean       | Std. Deviation |
| Financial Summary                             |                     |             |            |            |                |
| Revenue                                       | 22                  | 2,879,797   | 99,598,000 | 13,906,617 | 21,000,000     |
| Expenses                                      | 22                  | 2,686,853   | 98,303,000 | 13,519,402 | 20,000,000     |
| Operating Income                              | 21                  | (2,299,091) | 2,630,629  | 343,988    |                |
| Net Income                                    | 21                  | (535,242)   | 1,585,655  | 361,758    | 535,451        |
| Total Assets                                  | 20                  | 996,308     | 76,332,652 | 9,824,820  |                |
| Total Liabilities                             | 20                  | 161,339     | 36,523,974 | 4,723,204  | 8,317,163      |
| Total Equity                                  | 20                  | (530,242)   | 39,808,678 | 5,101,615  | 8,740,920      |
| Operating Ratio                               | 22                  | 61          | 170        | 100        | 23             |
| Net Profit Margin                             | 21                  | -7%         | 27%        | 4%         | 8%             |
| Return on Equity                              | 20                  | -27%        | 120%       | 20%        | 35%            |
| Individual Expense Items                      |                     |             |            |            |                |
| Drivers and Helpers Wages                     | 16                  | -           | 3,191,796  | 1,036,382  | 1,055,455      |
| Insurance                                     | 21                  | -           | 895,959    | 293,540    |                |
| Outside Vehicle Maintenance                   | 20                  | 58,289      | 1,515,959  | 430,888    | 419,423        |
| Purchased Transportation                      | 16                  | (191,467)   | 5,118,299  | 940,107    |                |
| Fleet Composition                             |                     |             |            |            |                |
| (Items as a percent of total)                 |                     |             |            |            |                |
| Trucks Owned                                  | 9                   | 83%         | 100%       | 98%        | 6%             |
| Trucks Leased                                 | 9                   | 0%          | 17%        | 2%         | 6%             |
| Tractors Owned                                | 21                  | 0%          | 100%       | 83%        | 31%            |
| Tractors Leased                               | 21                  | 0%          | 100%       | 17%        | 31%            |
| Trailers Owned                                | 20                  | 87%         | 100%       | 99%        | 3%             |
| Trailers Leased                               | 20                  | 0%          | 13%        | 1%         | 3%             |
| Operating Statistics                          |                     |             |            |            |                |
| Total Units in Fleet                          | 21                  | 24          | 483        | 181        | 124            |
| Total Highway Miles                           | 21                  | -           | 21,267,411 | 4,119,469  | 5,360,984      |
| Total Tons Carried                            | 13                  | -           | 1,517,850  | 240,325    |                |
| Total Ton-Miles                               | 12                  | -           | 69,544,000 | 7,910,601  |                |
| Total Shipments                               | 13                  | -           | 56,321     | 9,650      |                |
| Revenue per Mile                              | 18                  | \$0.19      | \$7.76     | \$2.97     |                |
| Revenue per Ton                               | 9                   | \$7.34      | \$544.41   | \$154.79   |                |
| Revenue per Shipment                          | 5                   | \$197.79    | \$1,185.90 | \$688.30   |                |
| Revenue per Ton-Mile                          | 4                   | \$0.23      | \$12.25    | \$3.27     | \$5.98         |
| Average Load (Tons)                           | 4                   | 4           | 21         | 13         | 7              |
| Average Haul (Miles)                          | 2                   | 182         | 213        | 197        | 21             |
| Outside Vehicle Maintenance per Truck/Tractor | 20                  | 1,575       | 34,913     | 10,086     | 9,293          |
| Valid N (listwise)                            | 1                   |             |            |            |                |

#### XIII. OTHER SMALL CARRIERS

#### Overview of Carriers

The Other Specialize Commodity segment includes carriers, which transport products not included in the other categories mentioned earlier. Some products which fit into this category include automobile haulers, livestock haulers and armored truck service. A total of 235 firms in the Other Specialized Commodities (Truckload) industry segment reported \$4.35 Billion in annual revenues for 1997 (Table 82). This segment includes firms handling a wide variety of different types of commodities in non-van trailers. Dividing this segment into three groups, based on total revenues, we find that the small-sized tier of the carriers generates \$318 Million in revenues. This subtotal accounts for 7.3% of the total revenues in the Other Specialized Commodities industry segment. The remainder of this section focuses on the small-sized Other Specialized Commodities firm tier.

The revenues for the five largest firms in this sub segment account for 8.7% of the sub segment's total revenue. The largest firm in this sub segment, Tripp Brothers Trucking, generated 1.8% of the segment's total revenue. The five largest firms in this industry sub segment account for 5.1% of the sub segment's total assets and 10.2% of the sub segment's total units in the fleet (Table 86).

The information summarized above suggests that there is a low level of concentration in this industry segment. Despite this high level of disaggregation, four of the five largest firms in the sub segment reported positive net incomes. The average net income among the five largest firms is \$101,000, resulting in an average net profit margin of 1.8% (Table 87). In contrast only one of the five smallest carriers in the sub segment reported positive net profit margins. This information is in line with the highly competitive conditions outlined above (Table 89).

Overall, the average net profit margin for firms in this sub segment was 3.3%. In addition, the average return on equity was 20.7% (Table 83). The five firms with the highest return on equity ratios had an average of 110.1% (Table 85). This indicates that these firms were about 5 times more effective in returning value to their shareholders with respect to the average firm in this industry sub segment. These firms are 1.3 times smaller than the five largest firms in the sub segment. Indeed, the total revenue of the 5 largest firms in the sub segment is \$27.6 Million (Table 86), while the total revenue of the 5 most profitable firms is \$21.2 Million (Table 84). Thus, carriers in this industry sub segment do not necessarily enjoy profitability advantages associated with the size of their operations.

Carriers in this sub segment handled on average 74,462 shipments and 230,700 tons of freight and produced 12.3 Million ton-miles on average. Their average load was13.8 tons and 20 firms reported an average length of haul of 344 miles (Tables 82 and 84). Four of the five largest carriers in the sub segment reported information about the amount of tons

produced. On average, these carriers generated more than 6 times the average number of tons carried in this industry sub segment (Table 84).

On average, carriers in this sub segment owned 83% of their trucks; 62% of their tractors; and 78% of their trailers (Table 82). Four of the five largest carriers in this sub segment reported tractor ownership information. Three of the four carriers owned a substantial portion of their tractors (between 73 and 100%). On the other hand, one carrier, Alpha Cargo Motor Express, owned none of its tractors (Table 86).

The five most profitable firms in the sub segment reported information about their tractor ownership. No firm owned 100% of its tractors, although two firms owned a substantial amount of their tractors (52 and 73%, respectively). On the other hand, the other three firms owned only up to 48% of their tractors. This suggests a mixed strategy with an emphasis on neither company drivers nor owner operators, with Alpha Cargo Motor Express being the exception with none of its tractors or trailers being company-owned (Table 84). There is no variation among the smallest companies in the sub segment in their vehicle ownership patterns. All the firms in this sub segment report total vehicle ownership (Table 88).

One important performance dimension in the transportation sector is firm operating ratio, which compares operating expenses to operating revenues. Among all firms in this sub segment, the average operating ratio is 96.8% (Table 83). Among the five most profitable firms in the sub segment (Table 85), based on return on equity, operating ratio ranged from a low of 78.1% (Best Way Transportation) to a high of 194.1% (Alpha Cargo Motor Express). On average, the five most profitable firms in the sub segment reported an operating ratio of 85.4%.

Among the five largest carriers (Table 87), the largest, Tripp Brothers Trucking, had an operating ratio of 82.6%, the lowest among all the largest firms in this sub segment. On average, the five largest firms in the sub segment reported an operating ratio of 95%. On the other hand, three of the five smallest carriers reporting operating ratios (Table 89) had operating ratios above 100. The other two firms had operating rations below 100. The firm with the lowest operating ratio, Musslewhite Trucking, had a ratio of 93.8 percent. On average, the five smallest firms in the sub segment reported an average operating ratio of 114.5%. The smallest firms in the small-sized segment of the Other Specialized Commodities industry seem to have poorer operating performance in comparison with the other firms in the industry.

Table 82--Other Specialized (Truckload) Small-Sized Carriers' Average Size and Operating Performance

|                        | Number of | Total         |
|------------------------|-----------|---------------|
|                        | Companies |               |
|                        | Reporting |               |
| Revenue                | 76        | \$318,128,966 |
| Units in Fleet         | 76        | 7,346         |
| Assets                 | 75        | \$162,536,033 |
| Tons Carried           | 50        | 11,534,123    |
| Ton-Miles              | 52        | 640,920,839   |
| Shipments              | 53        | 3,946,499     |
|                        |           | Average       |
| Size of Load (Tons)    | 21        | 13.80         |
| Length of Haul (Miles) | 20        | 344           |
|                        |           | Average       |
| Revenue Per Mile       | 60        | \$2.55        |
| Revenue Per Ton        | 39        | \$64.53       |
| Revenue Per Ton-Mile   | 20        | \$0.25        |
|                        |           | Average       |
| % of Trucks Owned      | 32        | 83%           |
| % of Tractors Owned    | 65        | 62%           |
| % of Trailers Owned    | 68        | 78%           |
| Outside Vehicle        | 63        | \$6,010       |
| Maintenance per        |           |               |
| Truck/Tractor          |           |               |

Table 83--Other Specialized (Truckload) Small-Sized Carriers' Average Financial Performance

| Operating Income  | \$180,620 |
|-------------------|-----------|
| Net Income        | \$108,598 |
| Operating Ratio   | 96.83     |
| Net Profit Margin | 3.26%     |
| Return on Equity  | 20.65%    |

Table 84--Other Specialized (Truckload) Small-Sized Carriers' Average Size and Operating Performance: Five Most Profitable Firms

| Carrier        | Location    | Revenue     | Units    | Assets      | Tons    | <b>Ton-miles</b> |
|----------------|-------------|-------------|----------|-------------|---------|------------------|
|                |             |             | in Fleet |             | carried |                  |
| Alpha Cargo    | Fort Worth, | \$5,589,731 | 96       | \$329,023   | 378,597 | 50,484,023       |
| Motor Express  | TX          |             |          |             |         |                  |
| D.W. Trucking  | Ellinwood,  | \$3,840,435 | 95       | \$3,822,632 | 191,100 | N/A              |
| _              | KS          |             |          |             |         |                  |
| West Express   | Owensboro,  | \$2,916,953 | 66       | \$907,472   | 240,000 | N/A              |
| Trucking Co.   | KY          |             |          |             |         |                  |
| Admiral        | Worland,    | \$4,468,951 | 99       | \$1,424,907 | 306,658 | N/A              |
| Transport      | WY          |             |          |             |         |                  |
| Corp.          |             |             |          |             |         |                  |
| Best Way       | Palmer, TX  | \$4,409,847 | 91       | \$874,856   | N/A     | N/A              |
| Transportation |             |             |          |             |         |                  |

| Carrier     | Total<br>Shipments | Average<br>Load | Average<br>Haul | Revenue<br>Per | Revenue<br>Per Mile | Revenue<br>Per Ton | Revenue<br>Per Ton- |
|-------------|--------------------|-----------------|-----------------|----------------|---------------------|--------------------|---------------------|
|             | Simplification     | (Tons)          | (Miles)         | Shipment       | Tel Mile            | Ter Ton            | Mile                |
| Alpha Cargo | 17,517             | 14.01           | 133             | \$319.10       | \$1.55              | \$14.76            | \$0.11              |
| Motor       |                    |                 |                 |                |                     |                    |                     |
| Express     |                    |                 |                 |                |                     |                    |                     |
| D.W.        | 7,644              | N/A             | N/A             | \$502.41       | \$1.32              | \$20.10            | N/A                 |
| Trucking    |                    |                 |                 |                |                     |                    |                     |
| West        | 5,621              | N/A             | N/A             | \$518.94       | \$1.41              | \$12.15            | N/A                 |
| Express     |                    |                 |                 |                |                     |                    |                     |
| Trucking    |                    |                 |                 |                |                     |                    |                     |
| Co.         |                    |                 |                 |                |                     |                    |                     |
| Admiral     | 10,336             | N/A             | N/A             | \$432.37       | \$1.69              | \$14.57            | N/A                 |
| Transport   |                    |                 |                 |                |                     |                    |                     |
| Corp.       |                    |                 |                 |                |                     |                    |                     |
| Best Way    | N/A                | N/A             | N/A             | N/A            | N/A                 | N/A                | N/A                 |
| Transportn. |                    |                 |                 |                |                     |                    |                     |

### OTHER SMALL CARRIERS

Table 84--Other Specialized (Truckload) Small-Sized Carriers' Average Size and Operating Performance: Five Most Profitable Firms (Continued)

| Carrier        | % Trucks<br>Owned | % Tractors<br>Owned | % Trailers<br>Owned | Outside Vehicle<br>Maintenance per<br>Truck/Tractor |
|----------------|-------------------|---------------------|---------------------|---|
| Alpha Cargo    | N/A               | 0%                  | 0%                  | N/A   |
| Motor Express  |                   |                     |                     |   |
| D.W. Trucking  | 0%                | 73%                 | 90%                 | \$1,765   |
| West Express   | N/A               | 52%                 | 65%                 | \$340   |
| Trucking Co.   |                   |                     |                     |   |
| Admiral        | N/A               | 48%                 | 96%                 | \$7,220   |
| Transport      |                   |                     |                     |   |
| Corp.          |                   |                     |                     |   |
| Best Way       | N/A               | 17%                 | 60%                 | \$12,296  |
| Transportation |                   |                     |                     |   |

Table 85--Other Specialized (Truckload) Small-Sized Carriers' Average Financial Performance: Five Most Profitable Carriers

| Carrier         | Operating | Net       | Operating | Net Profit | Return on |
|-----------------|-----------|-----------|-----------|------------|-----------|
|                 | Income    | Income    | Ratio     | Margin     | Equity    |
| Alpha Cargo     | \$331,079 | \$205,419 | 94.08     | 3.67%      | 269.38%   |
| Motor Express   |           |           |           |            |           |
| D.W. Trucking   | \$531,172 | \$479,035 | 86.17     | 12.47%     | 82.73%    |
| West Express    | \$355,459 | \$307,358 | 87.81     | 10.54%     | 72.32%    |
| Trucking Co.    |           |           |           |            |           |
| Admiral         | \$860,934 | \$853,151 | 80.74     | 19.09%     | 69.02%    |
| Transport Corp. |           |           |           |            |           |
| Best Way        | \$966,478 | \$448,122 | 78.08     | 10.16%     | 57.34%    |
| Transportation  |           |           |           |            |           |

Table 86--Other Specialized (Truckload) Small-Sized Carriers' Average Size and Operating Performance: Five Largest Carriers

| Carrier     | Location     | Revenue     | Units in | Assets      | Tons      | Ton-miles  |
|-------------|--------------|-------------|----------|-------------|-----------|------------|
|             |              |             | Fleet    |             | carried   |            |
| Tripp       | Missoula,    | \$5,593,547 | 98       | \$3,675,286 | 72,716    | N/A        |
| Brothers    | MT           |             |          |             |           |            |
| Trucking    |              |             |          |             |           |            |
| Alpha Cargo | Fort Worth,  | \$5,589,731 | 96       | \$329,023   | 378,597   | 50,484,023 |
| Motor       | TX           |             |          |             |           |            |
| Express     |              |             |          |             |           |            |
| Rollin      | Stockertown, | \$5,568,424 | 131      | \$2,173,888 | 388,596   | N/A        |
| Johnson     | PA           |             |          |             |           |            |
| Trucking    |              |             |          |             |           |            |
| Hoagland    | Modesto, CA  | \$5,448,972 | 360      | \$1,028,024 | N/A       | N/A        |
| Transport   |              |             |          |             |           |            |
| Svcs.       |              |             |          |             |           |            |
| N & N       | Belk, AL     | \$5,447,957 | 63       | \$1,107,691 | 4,987,276 | N/A        |
| Trucking    |              |             |          |             |           |            |

| Carrier     | Total     | Average | Average | Revenue    | Revenue  | Revenue | Revenue  |
|-------------|-----------|---------|---------|------------|----------|---------|----------|
|             | Shipments | Load    | Haul    | Per        | Per Mile | Per Ton | Per Ton- |
|             |           | (Tons)  | (Miles) | Shipment   |          |         | Mile     |
| Tripp       | 3,636     | N/A     | N/A     | \$1,538.38 | \$1.01   | \$76.92 | N/A      |
| Brothers    |           |         |         |            |          |         |          |
| Trucking    |           |         |         |            |          |         |          |
| Alpha Cargo | 17,517    | 14.01   | 133     | \$319.10   | \$1.55   | \$14.76 | \$0.11   |
| Motor       |           |         |         |            |          |         |          |
| Express     |           |         |         |            |          |         |          |
| Rollin      | 14,946    | N/A     | N/A     | \$372.57   | \$1.57   | \$14.33 | N/A      |
| Johnson     |           |         |         |            |          |         |          |
| Trucking    |           |         |         |            |          |         |          |
| Hoagland    | 21,762    | N/A     | N/A     | \$250.39   | \$1.88   | N/A     | N/A      |
| Transport   |           |         |         |            |          |         |          |
| Svcs.       |           |         |         |            |          |         |          |
| N & N       | 21,552    | N/A     | N/A     | \$252.78   | \$1.11   | \$1.09  | N/A      |
| Trucking    |           |         |         |            |          |         |          |

Table 86--Other Specialized (Truckload) Small-Sized Carriers' Average Size and Operating Performance: Five Largest Carriers (Continued)

| Carrier                      | % Trucks<br>Owned | % Tractors<br>Owned | % Trailers<br>Owned | Outside Vehicle<br>Maintenance per<br>Truck/Tractor |
|------------------------------|-------------------|---------------------|---------------------|---|
| Tripp Brothers Trucking      | N/A               | 100%                | 100%                | \$5,627   |
| Alpha Cargo<br>Motor Express | N/A               | 0%                  | 0%                  | N/A   |
| Rollin Johnson<br>Trucking   | N/A               | 87%                 | 99%                 | \$6,126   |
| Hoagland<br>Transport Svcs.  | 100%              | N/A                 | 100%                | \$193   |
| N & N<br>Trucking            | N/A               | 73%                 | 76%                 | \$3,109   |

Table 87--Other Specialized (Truckload) Small-Sized Carriers' Average Financial Performance: Five Largest Carriers

| Carrier                    | Operating Income | Net<br>Income | Operating<br>Ratio | Net<br>Profit | Return on<br>Equity |
|----------------------------|------------------|---------------|--------------------|---------------|---------------------|
|                            | Hicome           | Hicome        | Kauo               | Margin        | Equity              |
| Tripp Brothers<br>Trucking | \$971,613        | \$270,361     | 82.63              | 4.83%         | 49.61%              |
| Alpha Cargo                | \$331,079        | \$205,419     | 94.08              | 3.67%         | 269.38%             |
| Motor Express              |                  |               |                    |               |                     |
| Rollin Johnson             | \$127,219        | \$69,774      | 97.72              | 1.25%         | 9.38%               |
| Trucking                   |                  |               |                    |               |                     |
| Hoagland                   | -\$25,037        | \$8,383       | 100.46             | 0.15%         | 0.88%               |
| Transport Svcs.            |                  |               |                    |               |                     |
| N & N                      | \$2,198          | -\$48,836     | 99.96              | -0.90%        | N/A                 |
| Trucking                   |                  |               |                    |               |                     |

Table 88--Other Specialized (Truckload) Small-Sized Carriers' Average Size and Operating Performance: Five Smallest Carriers

| Carrier        | Location   | Revenue     | Units in | Assets      | Tons    | Ton-miles |
|----------------|------------|-------------|----------|-------------|---------|-----------|
|                |            |             | Fleet    |             | carried |           |
| McWaters       | Cleveland, | \$703,632   | 8        | \$268,027   | 51,935  | N/A       |
| Trucking       | TX         |             |          |             |         |           |
| Musslewhite    | Levelland, | \$1,742,226 | 110      | \$4,316,548 | 18,100  | 2,901,000 |
| Trucking       | TX         |             |          |             |         |           |
| Coolidge       | Houston,   | \$2,173,927 | 50       | \$1,488,919 | 36,000  | N/A       |
| Grain &        | TX         |             |          |             |         |           |
| Produce        |            |             |          |             |         |           |
| Asphalt        | Tucson, AZ | \$2,743,686 | 69       | \$698,880   | 63,914  | 7,460,369 |
| Products       |            |             |          |             |         |           |
| Transportation |            |             |          |             |         |           |
| Dillard        | Byron, CA  | \$2,869,799 | 43       | \$668,229   | N/A     | N/A       |
| Trucking       | -          |             |          |             |         |           |

| Carrier        | Total     | Average | Average | Revenue    | Revenue  | Revenue | Revenue  |
|----------------|-----------|---------|---------|------------|----------|---------|----------|
|                | Shipments | Load    | Haul    | Per        | Per Mile | Per Ton | Per Ton- |
|                |           | (Tons)  | (Miles) | Shipment   |          |         | Mile     |
| McWaters       | 2,350     | N/A     | N/A     | \$299.42   | \$1.99   | \$13.55 | N/A      |
| Trucking       |           |         |         |            |          |         |          |
| Musslewhite    | 1,300     | 2.54    | 160     | \$1,340.17 | \$1.53   | \$96.26 | \$0.60   |
| Trucking       |           |         |         |            |          |         |          |
| Coolidge       | 800       | N/A     | N/A     | N/A        | \$0.91   | \$60.39 | N/A      |
| Grain &        |           |         |         |            |          |         |          |
| Produce        |           |         |         |            |          |         |          |
| Asphalt        | 3,364     | 9.96    | 117     | \$815.60   | \$3.66   | \$42.93 | \$0.37   |
| Products       |           |         |         |            |          |         |          |
| Transportation |           |         |         |            |          |         |          |
| Dillard        | N/A       | N/A     | N/A     | N/A        | \$3.66   | N/A     | N/A      |
| Trucking       |           |         |         |            |          |         |          |

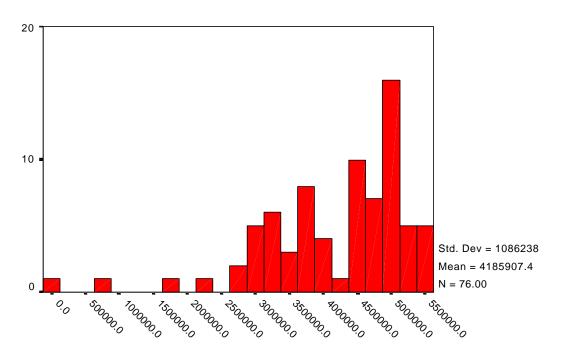
Table 88--Other Specialized (Truckload) Small-Sized Carriers' Average Size and Operating Performance: Five Smallest Carriers (Continued)

| Carrier                               | % Trucks<br>Owned | % Tractors Owned | % Trailers<br>Owned | Outside Vehicle<br>Maintenance per<br>Truck/Tractor |
|---------------------------------------|-------------------|------------------|---------------------|---|
| McWaters<br>Trucking                  | 100%              | N/A              | 100%                | \$26,782  |
| Musslewhite<br>Trucking               | 100%              | N/A              | 100%                | \$866   |
| Coolidge<br>Grain &<br>Produce        | N/A               | 100%             | 100%                | \$2,899   |
| Asphalt<br>Products<br>Transportation | 100%              | 100%             | 100%                | \$1,056   |
| Dillard<br>Trucking                   | 100%              | 100%             | 100%                | \$11,116  |

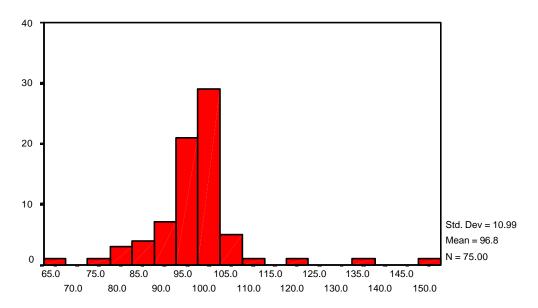
Table 89--Other Specialized (Truckload) Small-Sized Carriers' Average Financial Performance: Five Smallest Carriers

| Carrier        | Operating  | Net Income   | Operating | Net    | Return on |
|----------------|------------|--------------|-----------|--------|-----------|
|                | Income     |              | Ratio     | Profit | Equity    |
|                |            |              |           | Margin |           |
| McWaters       | -\$368,152 | -\$1,703,050 | 152.32    | N/A    | N/A       |
| Trucking       |            |              |           |        |           |
| Musslewhite    | \$108,176  | \$678,362    | 93.79     | 38.94% | 16.02%    |
| Trucking       |            |              |           |        |           |
| Coolidge Grain | -\$405,675 | -\$48,305    | 118.66    | -2.22% | -3.53%    |
| & Produce      |            |              |           |        |           |
| Asphalt        | \$45,027   | -\$103,380   | 98.36     | -3.77% | -30.04%   |
| Products       |            |              |           |        |           |
| Transportation |            |              |           |        |           |
| Dillard        | -\$266,244 | -\$120,009   | 109.28    | -4.18% | -38.92%   |
| Trucking       |            |              |           |        |           |

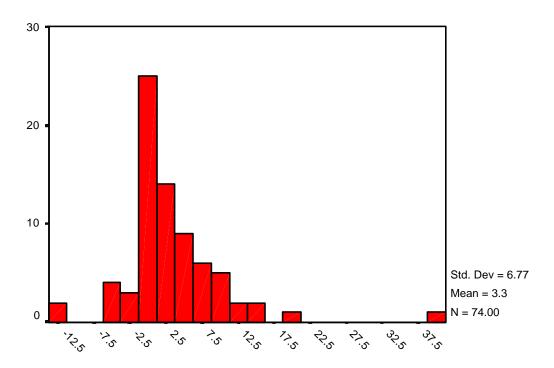
# **Summary Charts and Graphs for Other Small Carriers**



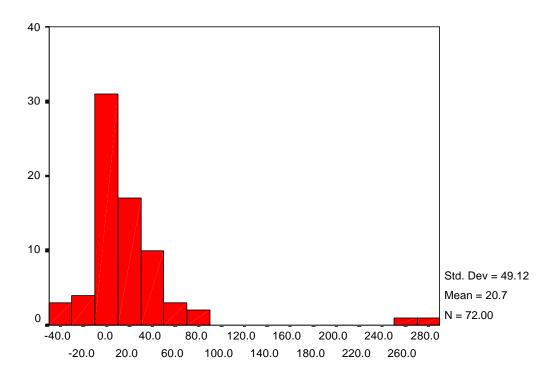
### Revenue



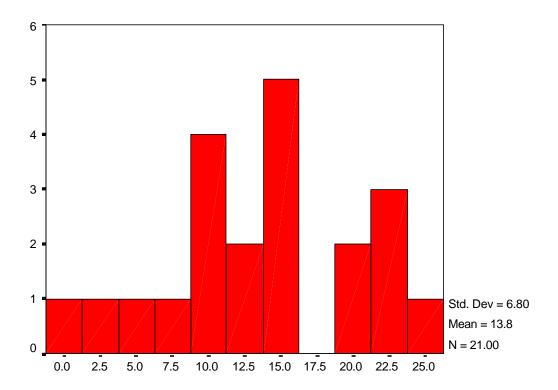
Operating Ratio



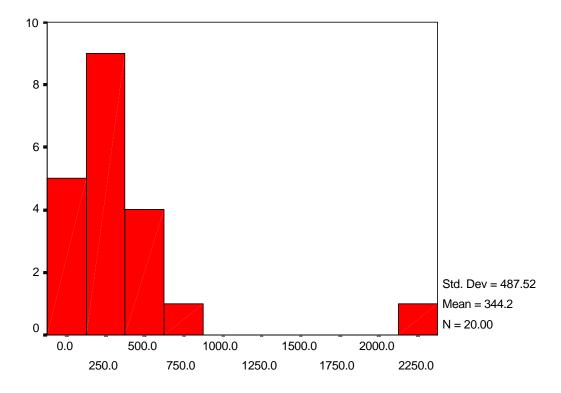
Net Profit Margin



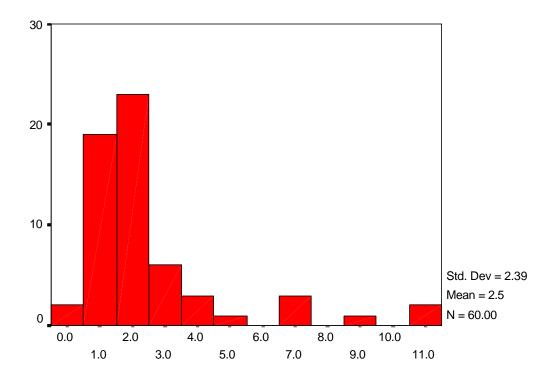
Return on Equity



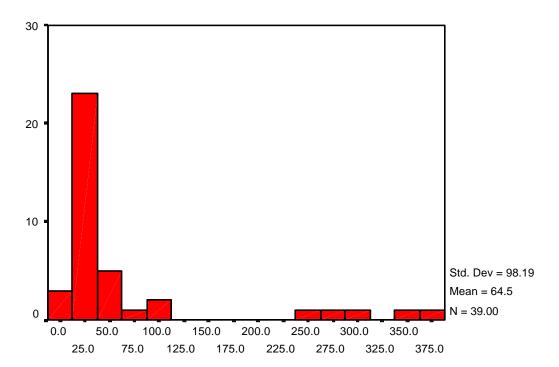
# Average Load (Tons)



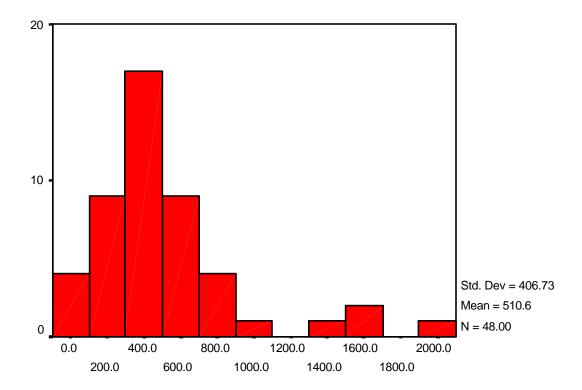
Average Haul (Miles)



# Revenue per Mile



Revenue per Ton



Revenue per Shipment

# **Summary Data for Other Small Carriers**

| Other Small Carriers                          |                     |             |             |            |                |
|---|---------------------|-------------|-------------|------------|----------------|
| Descriptive Statistics                        | 1                   | <u>'</u>    |             |            |                |
|   | Number of Companies | Minimum     | Maximum     | Mean       | Std. Deviation |
| Financial Summary                             |                     |             |             |            |                |
| Revenue                                       | 76                  | 34,902      | 5,593,547   | 4,185,907  | 1,086,238      |
| Expenses                                      | 76                  | -           | 5,474,009   | 4,005,300  | 1,023,246      |
| Operating Income                              | 76                  | (973,699)   | 1,638,670   | 180,620    | · ·            |
| Net Income                                    | 76                  | (1,703,050) | 853,151     | 108,598    | 319,459        |
| Total Assets                                  | 75                  | 147,627     | 22,701,420  | 2,167,147  | 2,853,048      |
| Total Liabilities                             | 75                  | 12,600      | 19,754,040  | 1,076,416  | 2,401,053      |
| Total Equity                                  | 75                  | (2,975,206) | 7,723,342   | 1,090,718  | 1,494,430      |
| Operating Ratio                               | 75                  | 67          | 152         | 97         | 11             |
| Net Profit Margin                             | 74                  | -12%        | 39%         | 3%         | 7%             |
| Return on Equity                              | 72                  | -39%        | 282%        | 21%        | 49%            |
| Individual Expense Items                      |                     |             |             |            |                |
| Drivers and Helpers Wages                     | 76                  | -           | 61,846,553  | 1,505,107  | 7,042,965      |
| Insurance                                     | 73                  | 18,303      | 529,559     | 168,903    | 111,583        |
| Outside Vehicle Maintenance                   | 65                  | (1,853)     | 792,772     | 176,517    | 178,482        |
| Purchased Transportation                      | 76                  | -           | 5,034,044   | 732,391    | 959,340        |
| Fleet Composition                             |                     |             |             |            |                |
| (Items as a percent of total)                 |                     |             |             |            |                |
| Trucks Owned                                  | 32                  | 0%          | 100%        | 83%        | 36%            |
| Trucks Leased                                 | 31                  | 0%          | 100%        | 14%        | 33%            |
| Tractors Owned                                | 65                  | 0%          | 100%        | 62%        | 42%            |
| Tractors Leased                               | 65                  | 0%          | 100%        | 38%        | 42%            |
| Trailers Owned                                | 68                  | 0%          | 100%        | 78%        | 36%            |
| Trailers Leased                               | 68                  | 0%          | 100%        | 22%        | 36%            |
| Operating Statistics                          |                     |             |             |            |                |
| Total Units in Fleet                          | 76                  | -           | 438         | 97         | 68             |
| Total Highway Miles                           | 69                  | -           | 170,189,000 | 4,455,073  | 20,292,058     |
| Total Tons Carried                            | 50                  | -           | 4,987,276   | 230,682    | 698,270        |
| Total Ton-Miles                               | 52                  | -           | 95,375,750  | 12,325,401 | 21,449,129     |
| Total Shipments                               | 53                  | -           | 2,500,000   | 74,462     | 356,683        |
| Revenue per Mile                              | 60                  | \$0.02      | \$11.45     | \$2.55     |                |
| Revenue per Ton                               | 39                  | \$1.09      | \$379.22    | \$64.53    | \$98.19        |
| Revenue per Shipment                          | 48                  | \$2.05      | \$2,000.31  | \$510.64   | \$406.73       |
| Revenue per Ton-Mile                          | 20                  | \$0.05      | \$1.14      | \$0.25     | \$0.26         |
| Average Load (Tons)                           | 21                  | 1           | 25          | 14         |                |
| Average Haul (Miles)                          | 20                  | 20          | 2,257       | 344        | 488            |
| Outside Vehicle Maintenance per Truck/Tractor | 63                  | (39)        | 26,782      | 6,010      | 6,176          |
| Valid N (listwise)                            | 3                   |             |             |            |                |

#### XIV. OTHER MEDIUM SIZED CARRIERS

#### Overview of Carriers

A total of 235 firms in the Other Specialized Commodities (Truckload) industry segment reported \$4.35 Billion in annual revenues for 1997 (Table 90). This segment includes firms handling a wide variety of different types of commodities in non-van trailers. Dividing this segment into three groups, based on total revenues, we find that the middle third of the carriers generates \$638 Million in revenues. This subtotal accounts for 14.7% of the total revenues in the Other Specialized Commodities industry segment. The remainder of this section focuses on the medium-sized Other Specialized Commodities firm tier.

The revenues for the five largest firms in this sub segment account for 8.2% of the sub segment's total revenue. The largest firm in this sub segment, Rex "N" Don Van Lines, generated 1.7% of the segment's total revenue. The five largest firms in this industry sub segment account for 1.9% of the sub segment's total assets and 12.3% of the total units in the segment's fleet (Table 94).

The information summarized above suggests that there is a low level of concentration in this industry segment. In fact, across all firms in this sub segment, annual revenues varied from a minimum of \$5.7 Million to \$10.9 Million. Despite this high level of disaggregation, the five largest firms in the sub segment reported positive net incomes. The average net income among these four firms is \$359,823, resulting in an average net profit margin of 3.4% (Table 95). In addition, the five smallest carriers in the sub segment reported positive net profit margins. The highest profit margin among the five smallest firms in the sub segment was 6.28% (Table 97).

Overall, the average net profit margin for firms in this sub segment was 2.9%. In addition, the average return on equity was 19.9% (Table 91). The five firms with the highest return on equity ratios had an average of 117.7% (Table 93). This indicates that these firms were almost 6 times more effective in returning value to their shareholders with respect to the average firm in this industry sub segment. These firms are 1.14 times smaller than the five largest firms in the sub segment. Indeed, the total revenue of the 5 largest firms in the sub segment is \$52.6 Million (Table 94), while the total revenue of the 5 most profitable firms is \$46.2 Million (Table 92). Thus, carriers in this industry sub segment do not necessarily enjoy profitability advantages associated with the size of their operations.

Carriers in this sub segment handled on average 23,143 shipments and 539,186 tons of freight and produced 25 Million ton-miles on average. Their average load was 14 tons and 20 firms reported an average length of haul of 251 miles (Tables 90 and 91). Among the five largest carriers in the sub segment, Summers, generated approximately 2.5 times the average ton-miles carried by firms in the sub segment.

On average, carriers in this sub segment owned 87% of their trucks; 56% of their tractors; and 73% of their trailers (Table 90). Four of the five largest carriers in this sub segment reported tractor ownership information. Three carriers, Rex "N" Don Van Lines, Coin Depot Corporation, and Summers, owned 100% of their tractors, while another carrier, Thom's Transport, owned 65% of its tractors (Table 94). Thus, it appears that large firms in this sub segment have a heavy reliance on their own tractors.

Four of the five most profitable firms in the sub segment varied widely in their tractor ownership patterns. Two firms owned 100% of their tractors (Plainfield Trucking and J&S), while a third firm, Baker Truck Lines, owned 83% of its tractors. In contrast, Packard Truck Lines, owned none of its tractors. This suggests that a wide variety of tractor ownership strategies are being employed successfully in this sub segment. (Table 92). Furthermore, there is variation among four of the five smallest companies in the sub segment in their truck-tractor ownership patterns. Two of the four smallest firms in the sub segment reporting tractor ownership relied on 80% or more of their own company drivers. A third firm, Leoni Motor Express, relied on 64% of their own tractors. In contrast, Dennis Truck Lines owned none of its tractors (Table 96).

One important performance dimension in the transportation sector is firm operating ratio, which compares operating expenses to operating revenues. Among all firms in this sub segment, the average operating ratio is 96% (Table 91). Among the five most profitable firms in the sub segment (Table 93), based on return on equity, operating ratio ranged from a low of 81.9% (J&S) to a high of 97.8% (American Motor Line). Among the five largest carriers (Table 95), the largest, Rex "N" Don Van Lines, had an operating ratio of 97.8%. Among this group of carriers, the one with the lowest operating ratio (Coin Depot Corporation) had a ratio of 76.2%. The five smallest carriers in the sub segment (Table 97) had operating ratios below 100% and the firm with the lowest operating ratio had a ratio of 81.6% (Leoni Motor Express). Clearly, firms in this sub segment of other specialized commodities had a strong operating performance regardless of their operating size.

Table 90--Other Specialized (Truckload) Medium-Sized Carriers' Average Size and Operating Performance

|                        | Number of | Total         |
|------------------------|-----------|---------------|
|                        | Companies |               |
|                        | Reporting |               |
| Revenue                | 82        | \$638,069,008 |
| Units in Fleet         | 78        | 13,442        |
| Assets                 | 81        | \$248,544,549 |
| Tons Carried           | 49        | 26,420,126    |
| Ton-Miles              | 58        | 1,450,876,016 |
| Shipments              | 50        | 1,157,135     |
|                        |           | Average       |
| Size of Load (Tons)    | 21        | 13.92         |
| Length of Haul (Miles) | 20        | 251           |
|                        |           | Average       |
| Revenue Per Mile       | 66        | \$1.84        |
| Revenue Per Ton        | 44        | \$24.74       |
| Revenue Per Ton-Mile   | 22        | \$0.22        |
|                        |           | Average       |
| % of Trucks Owned      | 21        | 87%           |
| % of Tractors Owned    | 72        | 56%           |
| % of Trailers Owned    | 69        | 73%           |
| Outside Vehicle        | 67        | \$6,358       |
| Maintenance per        |           |               |
| Truck/Tractor          |           |               |

Table 91--Other Specialized (Truckload) Medium-Sized Carriers' Average Financial Performance

| Operating Income  | \$327,288 |
|-------------------|-----------|
| Net Income        | \$233,830 |
| Operating Ratio   | 95.95     |
| Net Profit Margin | 2.86%     |
| Return on Equity  | 19.87%    |

Table 92--Other Specialized (Truckload) Medium-Sized Carriers' Average Size and Operating Performance: Five Most Profitable Carriers

| Carrier       | Location    | Revenue     | Units in | Assets      | Tons    | Ton-miles  |
|---------------|-------------|-------------|----------|-------------|---------|------------|
|               |             |             | Fleet    |             | carried |            |
| Plainfield    | Plainfield, | \$9,641,597 | 468      | \$2,379,607 | 719,393 | 89,907,523 |
| Trucking      | WI          |             |          |             |         |            |
| Packard Truck | Harvey,     | \$8,287,735 | 157      | \$1,421,538 | 123,530 | N/A        |
| Lines         | LA          |             |          |             |         |            |
| American      | Wayne, MI   | \$9,820,357 | N/A      | \$823,074   | N/A     | N/A        |
| Motor Line    |             |             |          |             |         |            |
| Baker Truck   | Lewiston,   | \$9,845,715 | 209      | \$5,025,751 | 606,480 | 81,875,696 |
| Lines         | ID          |             |          |             |         |            |
| J & S         | Indianola,  | \$8,559,167 | 156      | \$2,628,877 | N/A     | N/A        |
|               | PA          |             |          |             |         |            |

| Carrier     | Total     | Average | Average | Revenue  | Revenue  | Revenue | Revenue  |
|-------------|-----------|---------|---------|----------|----------|---------|----------|
|             | Shipments | Load    | Haul    | Per      | Per Mile | Per Ton | Per Ton- |
|             |           | (Tons)  | (Miles) | Shipment |          |         | Mile     |
| Plainfield  | 31,973    | 12.70   | 125     | \$301.55 | \$1.36   | \$13.40 | \$0.11   |
| Trucking    |           |         |         |          |          |         |          |
| Packard     | 15,600    | N/A     | N/A     | \$531.27 | \$1.58   | \$67.09 | N/A      |
| Truck Lines |           |         |         |          |          |         |          |
| American    | N/A       | N/A     | N/A     | N/A      | N/A      | N/A     | N/A      |
| Motor Line  |           |         |         |          |          |         |          |
| Baker Truck | 21,660    | 14.00   | 135     | \$454.56 | \$1.68   | \$16.23 | \$0.12   |
| Lines       |           |         |         |          |          |         |          |
| J & S       | N/A       | N/A     | N/A     | N/A      | \$5.79   | N/A     | N/A      |

### OTHER MEDIUM SIZED CARRIERS

Table 92--Other Specialized (Truckload) Medium-Sized Carriers' Average Size and Operating Performance: Five Most Profitable Carriers (Continued)

| Carrier       | % Trucks | %               | % Trailers | Outside Vehicle |
|---------------|----------|-----------------|------------|-----------------|
|               | Owned    | <b>Tractors</b> | Owned      | Maintenance per |
|               |          | Owned           |            | Truck/Tractor   |
| Plainfield    | N/A      | 100%            | 100%       | \$11,603        |
| Trucking      |          |                 |            |                 |
| Packard Truck | N/A      | 0%              | 0%         | \$184           |
| Lines         |          |                 |            |                 |
| American      | N/A      | N/A             | N/A        | N/A             |
| Motor Line    |          |                 |            |                 |
| Baker Truck   | N/A      | 83%             | 100%       | \$11,351        |
| Lines         |          |                 |            |                 |
| J&S           | N/A      | 100%            | 100%       | \$5,858         |

Table 93--Other Specialized (Truckload) Medium-Sized Carriers' Average Financial Performance: Five Most Profitable Carriers

| Carrier       | Operating Income | Net Income  | Operating<br>Ratio | Net<br>Profit | Return on<br>Equity |
|---------------|------------------|-------------|--------------------|---------------|---------------------|
|               |                  |             |                    | Margin        |                     |
| Plainfield    | \$670,882        | \$578,038   | 93.04              | 6.00%         | 182.31%             |
| Trucking      | ŕ                | ·           |                    |               |                     |
| Packard Truck | \$694,323        | \$657,051   | 91.62              | 7.93%         | 129.37%             |
| Lines         | ŕ                | ŕ           |                    |               |                     |
| American      | \$219,539        | \$201,524   | 97.76              | 2.05%         | 104.82%             |
| Motor Line    |                  |             |                    |               |                     |
| Baker Truck   | \$1,517,325      | \$1,467,020 | 84.59              | 14.90%        | 100.86%             |
| Lines         |                  |             |                    |               |                     |
| J&S           | \$1,546,699      | \$1,166,906 | 81.93              | 13.63%        | 71.50%              |

Table 94--Other Specialized (Truckload) Medium-Sized Carriers' Average Size and Operating Performance: Five Largest Carriers

| Carrier       | Location    | Revenue      | Units | Assets       | Tons    | Ton-miles  |
|---------------|-------------|--------------|-------|--------------|---------|------------|
|               |             |              | in    |              | carried |            |
|               |             |              | Fleet |              |         |            |
| Rex "N" Don   | Charleston, | \$10,856,667 | N/A   | \$2,638,159  | N/A     | N/A        |
| Van Lines     | IL          |              |       |              |         |            |
| Anderson      | Anderson,   | \$10,637,579 | N/A   | \$4,360,054  | N/A     | N/A        |
| Armored Car   | SC          |              |       |              |         |            |
| Service       |             |              |       |              |         |            |
| Coin Depot    | Elizabeth,  | \$10,479,408 | 70    | \$13,622,119 | N/A     | N/A        |
| Corp.         | NJ          |              |       |              |         |            |
| Summers       | Ephrata,    | \$10,409,947 | 272   | \$5,990,194  | N/A     | 61,529,439 |
| (Lester R.)   | PA          |              |       |              |         |            |
| Thom's        | Blackshear, | \$10,252,189 | 274   | \$3,995,909  | N/A     | N/A        |
| Transport Co. | GA          |              |       |              |         |            |

| Carrier     | Total     | Average | Average | Revenue         | Revenue  | Revenue | Revenue  |
|-------------|-----------|---------|---------|-----------------|----------|---------|----------|
|             | Shipments | Load    | Haul    | Per             | Per Mile | Per Ton | Per Ton- |
|             |           | (Tons)  | (Miles) | <b>Shipment</b> |          |         | Mile     |
| Rex "N"     | N/A       | N/A     | N/A     | N/A             | N/A      | N/A     | N/A      |
| Don Van     |           |         |         |                 |          |         |          |
| Lines       |           |         |         |                 |          |         |          |
| Anderson    | N/A       | N/A     | N/A     | N/A             | \$1.09   | N/A     | N/A      |
| Armored     |           |         |         |                 |          |         |          |
| Car Service |           |         |         |                 |          |         |          |
| Coin Depot  | N/A       | N/A     | N/A     | N/A             | \$6.95   | N/A     | N/A      |
| Corp.       |           |         |         |                 |          |         |          |
| Summers     | 31,850    | 11.49   | N/A     | \$326.84        | \$1.94   | N/A     | \$0.17   |
| (Lester R.) |           |         |         |                 |          |         |          |
| Thom's      | N/A       | N/A     | N/A     | N/A             | \$1.06   | N/A     | N/A      |
| Transport   |           |         |         |                 |          |         |          |
| Co.         |           |         |         |                 |          |         |          |

Table 94--Other Specialized (Truckload) Medium-Sized Carriers' Average Size and Operating Performance: Five Largest Carriers (Continued)

| Carrier       | % Trucks | %               | % Trailers | Outside Vehicle |
|---------------|----------|-----------------|------------|-----------------|
|               | Owned    | <b>Tractors</b> | Owned      | Maintenance per |
|               |          | Owned           |            | Truck/Tractor   |
| Rex "N" Don   | N/A      | 100%            | N/A        | \$7,155         |
| Van Lines     |          |                 |            |                 |
| Anderson      | N/A      | N/A             | N/A        | N/A             |
| Armored Car   |          |                 |            |                 |
| Service       |          |                 |            |                 |
| Coin Depot    | 100%     | 100%            | 100%       | \$316           |
| Corp.         |          |                 |            |                 |
| Summers       | N/A      | 100%            | 100%       | \$2,469         |
| (Lester R.)   |          |                 |            |                 |
| Thom's        | N/A      | 65%             | 98%        | N/A             |
| Transport Co. |          |                 |            |                 |

Table 95--Other Specialized (Truckload) Medium-Sized Carriers' Average Financial Performance: Five Largest Carriers

| Carrier       | Operating<br>Income | Net<br>Income | Operating<br>Ratio | Net<br>Profit | Return on<br>Equity |
|---------------|---------------------|---------------|--------------------|---------------|---------------------|
|               | Hicolife            | income        | Nauo               | Margin        | Equity              |
| Rex "N" Don   | \$236,722           | \$265,946     | 97.82              | 2.45%         | 13.80%              |
| Van Lines     |                     |               |                    |               |                     |
| Anderson      | \$618,805           | \$183,836     | 94.18              | 1.73%         | 7.67%               |
| Armored Car   |                     |               |                    |               |                     |
| Service       |                     |               |                    |               |                     |
| Coin Depot    | \$2,488,611         | \$680,468     | 76.25              | 6.49%         | 9.31%               |
| Corp.         |                     |               |                    |               |                     |
| Summers       | \$893,568           | \$480,286     | 91.42              | 4.61%         | 16.91%              |
| (Lester R.)   |                     |               |                    |               |                     |
| Thom's        | \$422,325           | \$188,583     | 95.88              | 1.84%         | 45.09%              |
| Transport Co. |                     |               |                    |               |                     |

Table 96--Other Specialized (Truckload) Medium-Sized Carriers' Average Size and Operating Performance: Five Smallest Carriers

| Carrier      | Location       | Revenue     | Units | Assets      | Tons    | <b>Ton-miles</b> |
|--------------|----------------|-------------|-------|-------------|---------|------------------|
|              |                |             | in    |             | carried |                  |
|              |                |             | Fleet |             |         |                  |
| Dennis Truck | Vidalia, GA    | \$5,709,808 | 150   | \$1,483,587 | 429,949 | N/A              |
| Lines        |                |             |       |             |         |                  |
| Cowley       | Elizabethtown, | \$5,713,748 | 177   | \$1,766,393 | 700,000 | N/A              |
|              | KY             |             |       |             |         |                  |
| Echo         | Benson, AZ     | \$5,722,221 | 42    | \$2,242,014 | N/A     | N/A              |
| Trucking     |                |             |       |             |         |                  |
| Company      |                |             |       |             |         |                  |
| Leoni Motor  | Chicago        | \$5,748,380 | 115   | \$1,055,727 | 212,588 | N/A              |
| Express      | Heights, IL    |             |       |             |         |                  |
| Rouse Motor  | Canaan, NY     | \$5,762,619 | 101   | \$1,783,137 | 310,000 | N/A              |
| Express      |                |             |       |             |         |                  |

| Carrier     | Total     | Average | Average | Revenue  | Revenue  | Revenue | Revenue  |
|-------------|-----------|---------|---------|----------|----------|---------|----------|
|             | Shipments | Load    | Haul    | Per      | Per Mile | Per Ton | Per Ton- |
|             |           | (Tons)  | (Miles) | Shipment |          |         | Mile     |
| Dennis      | N/A       | N/A     | N/A     | N/A      | \$1.08   | \$13.28 | N/A      |
| Truck Lines |           |         |         |          |          |         |          |
| Cowley      | 24,836    | N/A     | N/A     | \$230.06 | \$0.97   | \$8.16  | N/A      |
| Echo        | N/A       | N/A     | N/A     | N/A      | \$1.53   | N/A     | N/A      |
| Trucking    |           |         |         |          |          |         |          |
| Company     |           |         |         |          |          |         |          |
| Leoni Motor | 19,780    | N/A     | N/A     | \$290.62 | \$3.25   | \$27.04 | N/A      |
| Express     |           |         |         |          |          |         |          |
| Rouse       | 12,400    | N/A     | N/A     | \$464.73 | \$1.65   | \$18.59 | N/A      |
| Motor       |           |         |         |          |          |         |          |
| Express     |           |         |         |          |          |         |          |

### OTHER MEDIUM SIZED CARRIERS

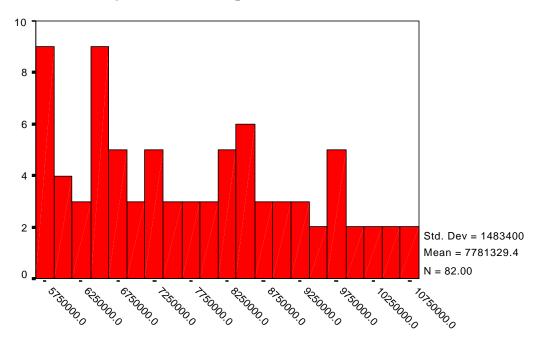
Table 96--Other Specialized (Truckload) Medium-Sized Carriers' Average Size and Operating Performance: Five Smallest Carriers (Continued)

| Carrier                     | % Trucks<br>Owned | % Tractors<br>Owned | % Trailers<br>Owned | Outside Vehicle<br>Maintenance per<br>Truck/Tractor |
|-----------------------------|-------------------|---------------------|---------------------|---|
| Dennis<br>Truck Lines       | N/A               | 0%                  | 0%                  | N/A   |
| Cowley                      | 100%              | 80%                 | 100%                | \$10,236  |
| Echo<br>Trucking<br>Company | 100%              | N/A                 | N/A                 | N/A   |
| Leoni Motor<br>Express      | 100%              | 64%                 | 100%                | \$2,010   |
| Rouse<br>Motor<br>Express   | N/A               | 97%                 | 69%                 | \$755   |

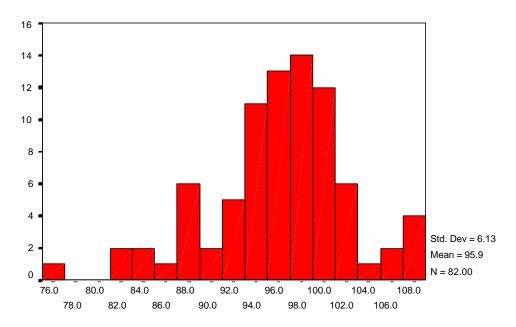
Table 97--Other Specialized (Truckload) Medium-Sized Carriers' Average Financial Performance: Five Smallest Carriers

| Carrier     | Operating   | Net       | Operating | Net Profit | Return on |
|-------------|-------------|-----------|-----------|------------|-----------|
|             | Income      | Income    | Ratio     | Margin     | Equity    |
| Dennis      | \$115,083   | \$39,460  | 97.98     | 0.69%      | 3.14%     |
| Truck Lines |             |           |           |            |           |
| Cowley      | \$399,539   | \$359,103 | 93.01     | 6.28%      | 23.10%    |
| Echo        | \$21,868    | \$38,575  | 99.62     | 0.67%      | 2.30%     |
| Trucking    |             |           |           |            |           |
| Company     |             |           |           |            |           |
| Leoni Motor | \$1,058,281 | \$107,113 | 81.59     | 1.86%      | N/A       |
| Express     |             |           |           |            |           |
| Rouse       | \$233,040   | \$77,424  | 95.96     | 1.34%      | 28.04%    |
| Motor       |             |           |           |            |           |
| Express     |             |           |           |            |           |

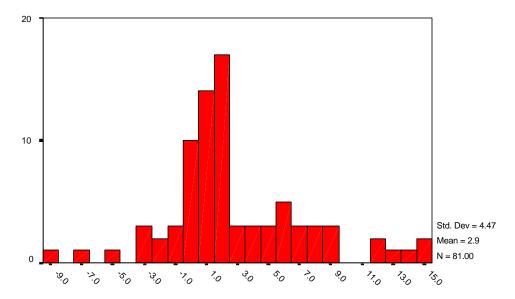
# **Summary Charts and Graphs for Other Medium Sized Carriers**



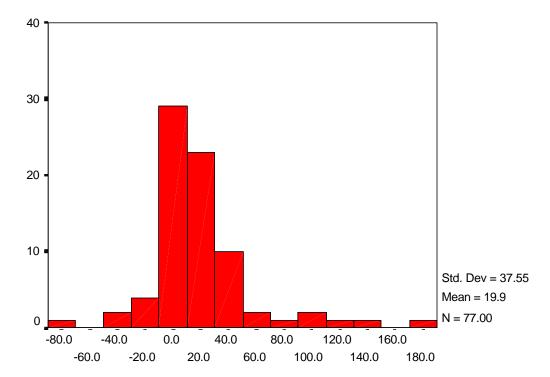
### Revenue



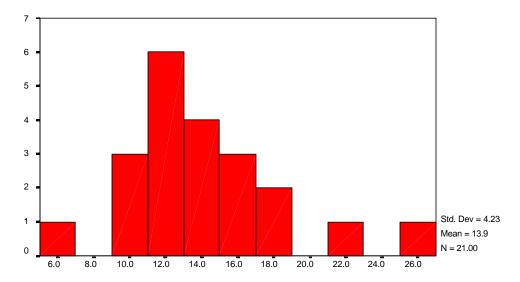
Operating Ratio



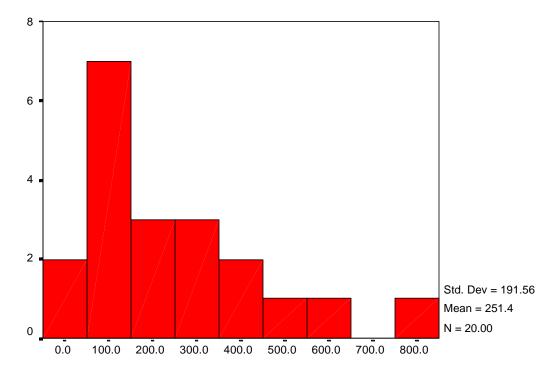
Net Profit Margin



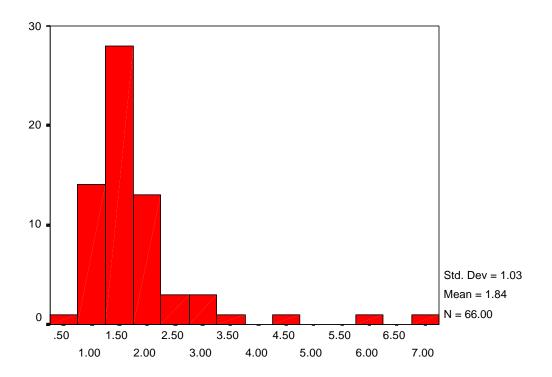
Return on Equity



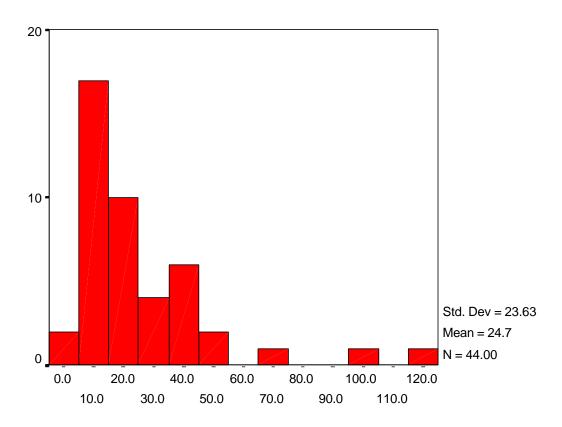
Average Load (Tons)



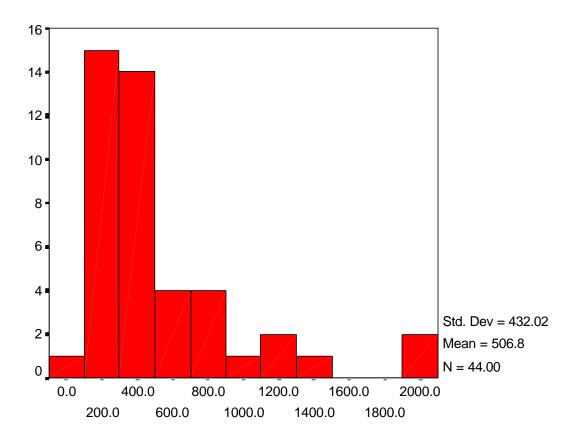
Average Haul (Miles)



Revenue per Mile



Revenue per Ton



Revenue per Shipment

# **Summary Data for Other Medium-Sized Carriers**

| Other Mid-Size Carriers                       |                     |           |             |            |                |
|---|---------------------|-----------|-------------|------------|----------------|
| Descriptive Statistics                        |                     |           |             |            |                |
|   | Number of Companies | Minimum   | Maximum     | Mean       | Std. Deviation |
| Financial Summary                             |                     |           |             |            |                |
| Revenue                                       | 82                  | 5,709,808 | 10,856,667  | 7,781,329  | 1,483,400      |
| Expenses                                      | 82                  | 4,690,099 | 10,619,945  | 7,454,041  | 1,437,756      |
| Operating Income                              | 82                  | (809,633) | 2,488,611   | 327,288    | ·              |
| Net Income                                    | 81                  | (798,784) | 1,467,020   | 233,830    | 372,105        |
| Total Assets                                  | 81                  | 509,201   | 13,622,119  | 3,068,451  | 2,179,363      |
| Total Liabilities                             | 81                  | (358,860) | 6,561,489   | 1,512,144  |                |
| Total Equity                                  | 80                  | (983,846) | 7,311,759   | 1,533,502  | 1,600,416      |
| Operating Ratio                               | 82                  | 76        | 109         | 96         | 6              |
| Net Profit Margin                             | 81                  | 9%        | 15%         | 3%         | 4%             |
| Return on Equity                              | 77                  | 79%       | 182%        | 20%        | 38%            |
| Individual Expense Items                      |                     |           |             |            |                |
| Drivers and Helpers Wages                     | 79                  | -         | 3,614,851   | 1,242,556  | 993,952        |
| Insurance                                     | 80                  | 19,785    | 1,022,283   | 242,708    | 157,895        |
| Outside Vehicle Maintenance                   | 71                  | -         | 1,055,915   | 268,701    | 272,951        |
| Purchased Transportation                      | 79                  | -         | 8,376,311   | 1,799,970  | 1,983,970      |
| Fleet Composition                             |                     |           |             |            |                |
| (Items as a percent of total)                 |                     |           |             |            |                |
| Trucks Owned                                  | 21                  | 0%        | 100%        | 87%        | 28%            |
| Trucks Leased                                 | 21                  | 0%        | 100%        | 13%        | 28%            |
| Tractors Owned                                | 72                  | 0%        | 100%        | 56%        | 41%            |
| Tractors Leased                               | 72                  | 0%        | 100%        | 44%        | 41%            |
| Trailers Owned                                | 69                  | 0%        | 100%        | 73%        | 39%            |
| Trailers Leased                               | 69                  | 0%        | 100%        | 27%        | 39%            |
| Operating Statistics                          |                     |           |             |            |                |
| Total Units in Fleet                          | 78                  | -         | 756         | 172        | 123            |
| Total Highway Miles                           | 75                  | -         | 11,190,088  | 4,360,987  | 2,458,299      |
| Total Tons Carried                            | 49                  | -         | 2,500,000   | 539,186    | 539,849        |
| Total Ton-Miles                               | 58                  | -         | 123,427,081 | 25,015,104 |                |
| Total Shipments                               | 50                  | -         | 90,909      | 23,143     | 21,106         |
| Revenue per Mile                              | 66                  | \$0.72    | \$6.95      | \$1.84     |                |
| Revenue per Ton                               | 44                  | \$2.40    | \$121.33    | \$24.74    |                |
| Revenue per Shipment                          | 44                  | \$65.91   | \$1,923.86  | \$506.80   | \$432.02       |
| Revenue per Ton-Mile                          | 22                  | \$0.07    | \$1.91      | \$0.22     | \$0.38         |
| Average Load (Tons)                           | 20                  | 38        | 780         | 251        | 192            |
| Average Haul (Miles)                          | 21                  | 6         | 25          | 14         | 4              |
| Outside Vehicle Maintenance per Truck/Tractor | 67                  | -         | 65,442      | 6,358      | 9,520          |
| Valid N (listwise)                            | 2                   |           |             |            |                |

#### XV. OTHER LARGE CARRIERS

#### Overview of Carriers

A total of 235 firms in the Other Specialized Commodities (Truckload) industry segment reported \$4.35 Billion in annual revenues for 1997 (Table 98). This segment includes firms handling a wide variety of different types of commodities in non-van trailers. Dividing this segment into three groups, based on total revenues, we find that the largest third of the carriers generates \$3.39 Billion in revenues. This subtotal accounts for 77.9% of the total revenues in the Other Specialized Commodities industry segment. The remainder of this section focuses on the largest Other Specialized Commodities firm tier.

The revenues for the five largest firms in this sub segment account for 35.6% of the sub segment's total revenue. The largest firm in this sub segment, Trism, generated 9.1% of the segment's total revenue. Four of the five largest firms in this industry sub segment account for 33.6% of the sub segment's total assets and 25.8% of the total units in the segment's fleet (Table 101).

The information summarized above suggests that there is a low level of dominance by the largest carriers in this industry sub segment. However, three of the five largest firms experienced positive profit margins with the largest of the three firms having a net income gain of \$11.1 Million, resulting in a net profit margin of 3.8% (Table 103). In addition, all of the five smallest carriers in the sub segment reported positive net profit margins. The highest profit margin among the five smallest firms in the sub segment was 7.6% (Table 105).

Overall, the average net profit margin for firms in this sub segment was 3.7%. In addition, the average return on equity was 24.1% (Table 99). The five firms with the highest return on equity ratios had an average of 99.1% (Table 101). This indicates that these firms were more than 4 times more effective in returning value to their shareholders with respect to the average firm in the industry. Furthermore, these firms are almost 14 times smaller than the five largest firms in the industry. Indeed, the total revenue of the 5 largest firms in the sub segment is \$1.2 Billion (Table 102), while the total revenue of the 5 most profitable firms is \$88.7 Million (Table 100). Thus, carriers in this industry sub segment do not necessarily enjoy profitability advantages associated with the size of their operations.

Carriers in this sub segment handled on average 19,071 shipments and 333,485 tons of freight and produced 208 Million ton-miles on average. Their average load was11.5 tons. Only 14 firms in the sub segment reported an average length of haul of 330 miles (Tables 98 and 99). Among the five largest carriers, Trism, generated approximately seven times the average ton-miles carried by firms in the sub segment (Table 100).

On average, carriers in this sub segment owned 60% of their trucks; 52% of their tractors; and 91% of their trailers (Table 98). Four of the five largest carriers in this sub segment reported tractor ownership information. Two carriers, Allied Systems and Cassens

#### OTHER LARGE CARRIERS

Transport, owned 100% of their tractors, while one other carrier, Trism, owned 53% of its tractors. In contrast, Customized Transportation, owned 2% of its tractors (Table 102).

Based on reported information by four of the five most profitable firms in the sub segment, there is almost exclusively company ownership of equipment. The only deviation from this pattern is Trailer Transit, who owns none of its tractors. This suggests that an all company driver strategy could be a key factor in devising a profitable business approach (Table 100). In contrast, there is variation in tractor ownership patterns among the five smallest companies in the sub segment. Two of these carriers (Forbes Transfer Co. and Clark Transfer) own all of their tractors, while two other own a significant portion. Indeed, Jones Feed & Grain owns 69% and Campbell & Associates owns 48%. In contrast, Roeder Cartage Company owns none of its tractors (Table 104).

One important performance dimension in the transportation sector is firm operating ratio, which compares operating expenses to operating revenues. Among all firms in this sub segment, the average operating ratio is 94.8% (Table 99). Among the five most profitable firms in the sub segment (Table 101), based on return on equity, operating ratio ranged from a low of 84.7% (Hodges Trucking) to a high of 98.3% (Armored Motor Service of America). Among the five largest carriers (Table 103), the largest, Trism, had an operating ratio of 97.8%. Among this group of carriers, the one with the lowest operating ratio (Allied Systems) had a ratio of 94.4%. Among the five smallest carriers (Table 105), all had operating ratios below 100% and the firm with the lowest operating ratio had a ratio of 93.8%. It appears that the largest firms in this sub segment have a somewhat poorer performance than the smallest carriers in the sub segment.

Table 98--Other Specialized (Truckload) Large Carriers' Average Size and Operating Performance

|                        | Number of Companies | Total           |
|------------------------|---------------------|-----------------|
|                        | Reporting           |                 |
| Revenue                | 77                  | \$3,387,804,017 |
| Units in Fleet         | 75                  | 45,694          |
| Assets                 | 75                  | \$1,471,968,903 |
| Tons Carried           | 64                  | 21,343,087      |
| Ton-Miles              | 57                  | 11,900,337,669  |
| Shipments              | 58                  | 1,106,175       |
|                        |                     | Average         |
| Size of Load (Tons)    | 40                  | 11.48           |
| Length of Haul (Miles) | 14                  | 330             |
|                        |                     | Average         |
| Revenue Per Mile       | 65                  | \$2.15          |
| Revenue Per Ton        | 16                  | \$58.85         |
| Revenue Per Ton-Mile   | 40                  | \$0.97          |
|                        |                     | Average         |
| % of Trucks Owned      | 31                  | 60%             |
| % of Tractors Owned    | 62                  | 52%             |
| % of Trailers Owned    | 62                  | 91%             |
| Outside Vehicle        | 70                  | \$2,444         |
| Maintenance per        |                     |                 |
| Truck/Tractor          |                     |                 |

Table 99--Other Specialized (Truckload) Large Carriers' Average Financial Performance

| Operating Income  | \$1,892,045 |
|-------------------|-------------|
| Net Income        | \$1,085,540 |
| Operating Ratio   | 94.78       |
| Net Profit Margin | 3.68%       |
| Return on Equity  | 24.11%      |

Table 100--Other Specialized (Truckload) Large Carriers' Average Size and Operating Performance: Five Most Profitable Carriers

| Carrier         | Location   | Revenue      | Units | Assets       | Tons    | Ton-miles   |
|-----------------|------------|--------------|-------|--------------|---------|-------------|
|                 |            |              | in    |              | carried |             |
|                 |            |              | Fleet |              |         |             |
| Hodges          | Oklahoma   | \$12,212,621 | 272   | \$6,267,518  | N/A     | N/A         |
| Trucking        | City, OK   |              |       |              |         |             |
| Boyle (T.F.)    | Billerica, | \$14,502,361 | 308   | \$5,651,313  | N/A     | 29,828,520  |
| Trptn.          | MA         |              |       |              |         |             |
| Trailer Transit | Porter, IN | \$27,128,667 | 232   | \$4,436,272  | N/A     | 318,603,690 |
| Tonyan Bros.    | McHenry,   | \$15,045,290 | 9     | \$3,650,196  | N/A     | N/A         |
|                 | IL         |              |       |              |         |             |
| Armored         | Rochester, | \$19,822,149 | 306   | \$15,459,143 | N/A     | N/A         |
| Motor Svc. Of   | NY         |              |       |              |         |             |
| America         |            |              |       |              |         |             |

| Carrier         | Total     | Average | Average | Revenue  | Revenue  | Revenue | Revenue  |
|-----------------|-----------|---------|---------|----------|----------|---------|----------|
|                 | Shipments | Load    | Haul    | Per      | Per Mile | Per Ton | Per Ton- |
|                 |           | (Tons)  | (Miles) | Shipment |          |         | Mile     |
| Hodges          | N/A       | N/A     | N/A     | N/A      | N/A      | N/A     | N/A      |
| Trucking        |           |         |         |          |          |         |          |
| Boyle (T.F.)    | N/A       | 4.67    | N/A     | N/A      | \$2.27   | N/A     | \$0.49   |
| Transportn.     |           |         |         |          |          |         |          |
| Trailer Transit | N/A       | 12.30   | N/A     | N/A      | \$1.05   | N/A     | \$0.09   |
| Tonyan Bros.    | N/A       | N/A     | N/A     | N/A      | \$3.70   | N/A     | N/A      |
| Armored         | N/A       | N/A     | N/A     | N/A      | \$7.65   | N/A     | N/A      |
| Motor Svc. Of   |           |         |         |          |          |         |          |
| America         |           |         |         |          |          |         |          |

# OTHER LARGE CARRIERS

Table 100--Other Specialized (Truckload) Large Carriers' Average Size and Operating Performance: Five Most Profitable Carriers (Continued)

| Carrier                  | % Trucks<br>Owned | % Tractors Owned | % Trailers<br>Owned | Outside Vehicle<br>Maintenance per<br>Truck/Tractor |
|--------------------------|-------------------|------------------|---------------------|---|
| Hodges<br>Trucking       | N/A               | 100%             | 100%                | N/A   |
| Boyle (T.F.) Trptn.      | 100%              | 100%             | 100%                | \$1,967   |
| Trailer Transit          | N/A               | 0%               | N/A                 | N/A   |
| Tonyan Bros.             | N/A               | 100%             | N/A                 | \$882   |
| Armored                  | 100%              | N/A              | 100%                | N/A   |
| Motor Svc. Of<br>America |                   |                  |                     |   |

#### OTHER LARGE CARRIERS

Table 101--Other Specialized (Truckload) Large Carriers' Average Financial Performance: Five Most Profitable Carriers

| Carrier         | Operating   | Net Income  | Operating | Net Profit | Return on |
|-----------------|-------------|-------------|-----------|------------|-----------|
|                 | Income      |             | Ratio     | Margin     | Equity    |
| Hodges          | \$1,866,255 | \$859,689   | 84.72     | 7.04%      | 130.63%   |
| Trucking        |             |             |           |            |           |
| Boyle (T.F.)    | \$1,850,873 | \$2,079,562 | 87.24     | 14.34%     | 101.33%   |
| Trptn.          |             |             |           |            |           |
| Trailer Transit | \$2,688,882 | \$2,667,953 | 90.09     | 9.83%      | 96.80%    |
| Tonyan Bros.    | \$475,695   | \$359,652   | 96.84     | 2.39%      | 90.98%    |
| Armored         | \$344,340   | \$2,811,562 | 98.26     | 14.18%     | 75.71%    |
| Motor Svc. Of   |             |             |           |            |           |
| America         |             |             |           |            |           |

Table 102--Other Specialized (Truckload) Large Carriers' Average Size and Operating Performance: Five Largest Carriers

| Carrier     | Location      | Revenue       | Units | Assets        | Tons    | Ton-miles  |
|-------------|---------------|---------------|-------|---------------|---------|------------|
|             |               |               | in    |               | carried | (in        |
|             |               |               | Fleet |               |         | thousands) |
| Trism       | Kennesaw,     | \$309,880,265 | 6,697 | \$218,824,918 | N/A     | 1,437,800  |
|             | GA            |               |       |               |         |            |
| Customized  | Jacksonville, | \$296,172,450 | 1,315 | \$113,023,697 | N/A     | N/A        |
| Transportn. | FL            |               |       |               |         |            |
| Allied      | Decatur, GA   | \$256,900,471 | 2,583 | \$119,693,118 | N/A     | 521,429    |
| Systems     |               |               |       |               |         |            |
| Cassens     | Edwardsville, | \$176,211,766 | 1,189 | \$43,121,157  | N/A     | 132,590    |
| Transport   | IL            |               |       |               |         |            |
| Anderson    | Saint Cloud,  | \$165,812,000 | N/A   | N/A           | N/A     | N/A        |
| Trucking    | MN            |               |       |               |         |            |
| Service     |               |               |       |               |         |            |

| Carrier        | Total     | Average | Average | Revenue  | Revenue  | Revenue | Revenue  |
|----------------|-----------|---------|---------|----------|----------|---------|----------|
|                | Shipments | Load    | Haul    | Per      | Per Mile | Per Ton | Per Ton- |
|                |           | (Tons)  | (Miles) | Shipment |          |         | Mile     |
| Trism          | N/A       | 7.58    | N/A     | N/A      | \$1.63   | N/A     | \$0.22   |
| Customized     | N/A       | N/A     | N/A     | N/A      | \$5.22   | N/A     | N/A      |
| Transportation |           |         |         |          |          |         |          |
| Allied         | N/A       | 6.42    | N/A     | N/A      | \$3.16   | N/A     | \$0.49   |
| Systems        |           |         |         |          |          |         |          |
| Cassens        | N/A       | 1.84    | N/A     | N/A      | \$2.44   | N/A     | \$1.33   |
| Transport      |           |         |         |          |          |         |          |
| Anderson       | N/A       | N/A     | N/A     | N/A      | N/A      | N/A     | N/A      |
| Trucking       |           |         |         |          |          |         |          |
| Service        |           |         |         |          |          |         |          |

## OTHER LARGE CARRIERS

Table 102--Other Specialized (Truckload) Large Carriers' Average Size and Operating Performance: Five Largest Carriers (Continued)

| Carrier           | % Trucks | %               | % Trailers | Outside Vehicle |
|-------------------|----------|-----------------|------------|-----------------|
|                   | Owned    | <b>Tractors</b> | Owned      | Maintenance per |
|                   |          | Owned           |            | Truck/Tractor   |
| Trism             | N/A      | 53%             | 100%       | N/A             |
| Customized        | 0%       | 2%              | N/A        | \$8,085         |
| Transportation    |          |                 |            |                 |
| Allied Systems    | N/A      | 100%            | 100%       | \$4,814         |
| Cassens Transport | N/A      | 100%            | 100%       | \$5,719         |
| Anderson          | N/A      | N/A             | N/A        | N/A             |
| Trucking Service  |          |                 |            |                 |

Table 103--Other Specialized (Truckload) Large Carriers' Average Financial Performance: Five Largest Carriers

| Carrier        | Operating    | Net Income   | Operating | Net    | Return on |
|----------------|--------------|--------------|-----------|--------|-----------|
|                | Income       |              | Ratio     | Profit | Equity    |
|                |              |              |           | Margin |           |
| Trism          | \$6,915,167  | -\$5,605,023 | 97.77     | -1.81% | -24.22%   |
| Customized     | \$14,605,342 | \$11,131,827 | 95.07     | 3.76%  | 27.85%    |
| Transportation |              |              |           |        |           |
| Allied         | \$14,304,080 | \$6,292,498  | 94.43     | 2.45%  | 10.43%    |
| Systems        |              |              |           |        |           |
| Cassens        | -\$1,088,791 | \$276,126    | 100.62    | 0.16%  | 3.65%     |
| Transport      |              |              |           |        |           |
| Anderson       | N/A          | N/A          | 97.00     | N/A    | N/A       |
| Trucking       |              |              |           |        |           |
| Service        |              |              |           |        |           |

Table 104--Other Specialized (Truckload) Large Carriers' Average Size and Operating Performance: Five Smallest Carriers

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| Carrier      | Location     | Revenue      | Units    | Assets      | Tons    | Ton-miles   |
|--------------|--------------|--------------|----------|-------------|---------|-------------|
|              |              |              | in Fleet |             | carried |             |
| Forbes       | Wilson, NC   | \$11,275,730 | 245      | \$6,715,537 | 566,717 | 136,705,225 |
| Transfer Co. |              |              |          |             |         |             |
| Jones Feed   | Cumming,     | \$11,319,341 | 387      | \$3,455,127 | N/A     | N/A         |
| & Grain      | GA           |              |          |             |         |             |
| Campbell &   | Industry, CA | \$11,353,802 | 318      | \$2,802,197 | N/A     | N/A         |
| Assoc.       |              |              |          |             |         |             |
| Roeder       | Lima, OH     | \$11,412,889 | 287      | \$1,559,175 | N/A     | N/A         |
| Cartage Co.  |              |              |          |             |         |             |
| Clark        | Harrisburg,  | \$11,530,247 | 170      | \$2,512,061 | N/A     | N/A         |
| Transfer     | PA           |              |          |             |         |             |

| Carrier      | Total     | Average | Average | Revenue  | Revenue  | Revenue | Revenue  |
|--------------|-----------|---------|---------|----------|----------|---------|----------|
|              | Shipments | Load    | Haul    | Per      | Per Mile | Per Ton | Per Ton- |
|              |           | (Tons)  | (Miles) | Shipment |          |         | Mile     |
| Forbes       | 26,925    | 14.96   | 241     | \$418.78 | \$1.23   | \$19.90 | \$0.08   |
| Transfer Co. |           |         |         |          |          |         |          |
| Jones Feed   | N/A       | N/A     | N/A     | N/A      | N/A      | N/A     | N/A      |
| & Grain      |           |         |         |          |          |         |          |
| Campbell &   | N/A       | N/A     | N/A     | N/A      | N/A      | N/A     | N/A      |
| Assoc.       |           |         |         |          |          |         |          |
| Roeder       | N/A       | N/A     | N/A     | N/A      | N/A      | N/A     | N/A      |
| Cartage Co.  |           |         |         |          |          |         |          |
| Clark        | N/A       | N/A     | N/A     | N/A      | \$3.00   | N/A     | N/A      |
| Transfer     |           |         |         |          |          |         |          |

## OTHER LARGE CARRIERS

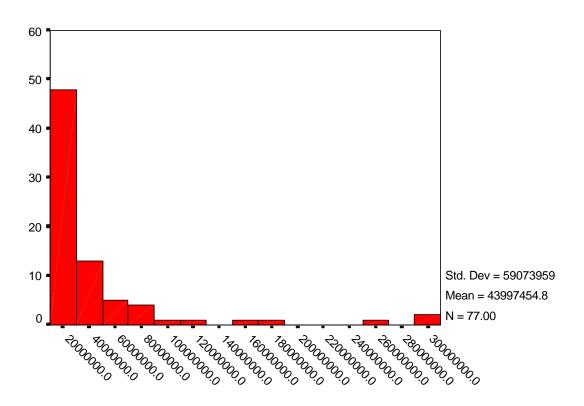
Table 104--Other Specialized (Truckload) Large Carriers' Average Size and Operating Performance: Five Smallest Carriers (Continued)

| Carrier      | % Trucks<br>Owned | % Tractors<br>Owned | % Trailers<br>Owned | Outside Vehicle<br>Maintenance per<br>Truck/Tractor |
|--------------|-------------------|---------------------|---------------------|---|
| Forbes       | N/A               | 100%                | 100%                | \$747   |
| Transfer Co. |                   |                     |                     | ·   |
| Jones Feed   | N/A               | 69%                 | 10%                 | \$701   |
| & Grain      |                   |                     |                     |   |
| Campbell &   | N/A               | 48%                 | 18%                 | N/A   |
| Assoc.       |                   |                     |                     |   |
| Roeder       | N/A               | 0%                  | 0%                  | \$14,177  |
| Cartage Co.  |                   |                     |                     |   |
| Clark        | N/A               | 100%                | 100%                | \$2,280   |
| Transfer     |                   |                     |                     |   |

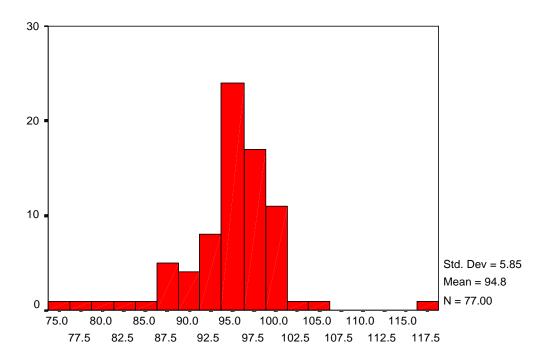
Table 105--Other Specialized (Truckload) Large Carriers' Average Financial Performance: Five Smallest Carriers

| Carrier      | Operating | Net       | Operating | Net Profit | Return on |
|--------------|-----------|-----------|-----------|------------|-----------|
|              | Income    | Income    | Ratio     | Margin     | Equity    |
| Forbes       | \$656,457 | \$817,986 | 94.18     | 7.25%      | 15.24%    |
| Transfer Co. |           |           |           |            |           |
| Jones Feed   | \$512,712 | \$860,335 | 95.47     | 7.60%      | 35.58%    |
| & Grain      |           |           |           |            |           |
| Campbell &   | \$706,562 | \$711,553 | 93.78     | 6.27%      | 47.34%    |
| Assoc.       |           |           |           |            |           |
| Roeder       | \$572,520 | \$33,172  | 94.98     | 0.29%      | 5.41%     |
| Cartage Co.  |           |           |           |            |           |
| Clark        | \$430,596 | \$419,426 | 96.27     | 3.64%      | 48.75%    |
| Transfer     |           |           |           |            |           |

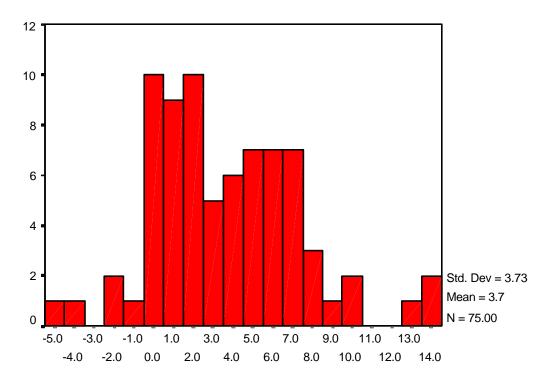
# **Summary Charts and Graphs for Other Large Carriers**



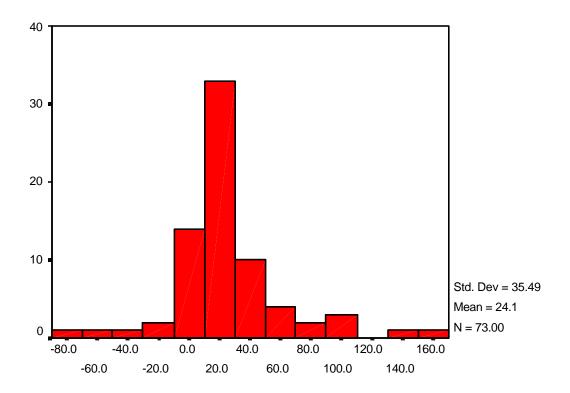
Revenue



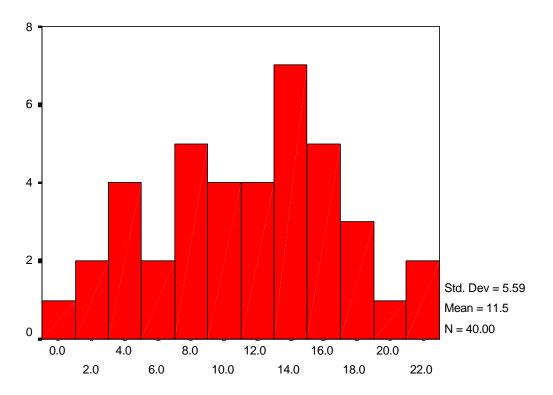
#### **Operating Ratio**



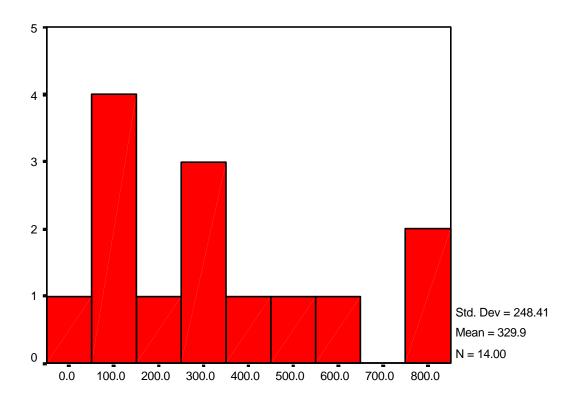
Net Profit Margin



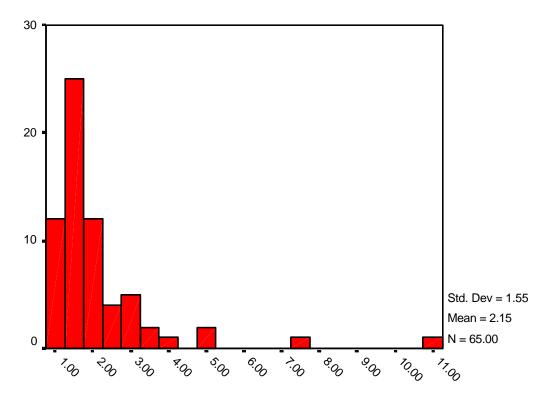
# Return on Equity



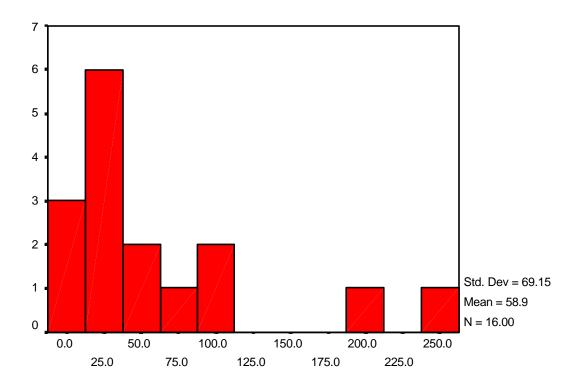
Average Load (Tons)



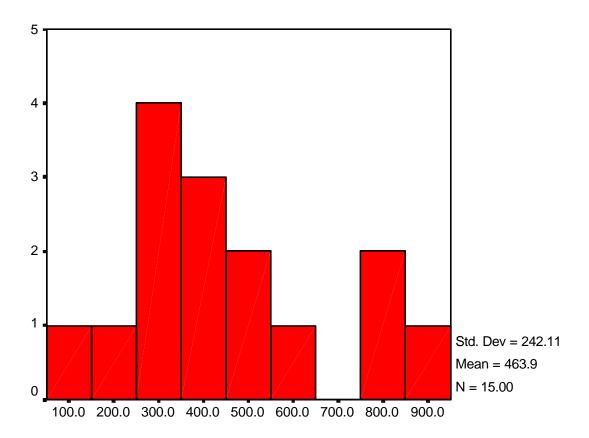
# Average Haul (Miles)



Revenue per Mile



Revenue per Ton



Revenue per Shipment

# **Summary Data for Other Large Carriers**

| Other Large Carriers                          |                     |             |               |             |                |
|---|---------------------|-------------|---------------|-------------|----------------|
| Descriptive Statistics                        | ı                   |             |               |             | L              |
| ·   | Number of Companies | Minimum     | Maximum       | Mean        | Std. Deviation |
| Financial Summary                             |                     |             |               |             |                |
| Revenue                                       | 77                  | 11,275,730  | 309,880,265   | 43,997,455  | 59,073,959     |
| Expenses                                      | 77                  | 9,066,109   | 302,965,098   | 42,007,696  | 56,988,792     |
| Operating Income                              | 75                  | (2,083,186) | 14,605,342    | 1,892,045   | 2,877,037      |
| Net Income                                    | 75                  | (5,605,023) | 11,131,827    | 1,085,540   | 1,836,240      |
| Total Assets                                  | 75                  | 958,979     | 218,824,918   | 19,626,252  | 34,663,486     |
| Total Liabilities                             | 75                  | (1,899,564) | 195,679,905   | 12,942,931  | 28,648,958     |
| Total Equity                                  | 75                  | (2,869,057) | 60,339,529    | 6,683,321   | 9,727,969      |
| Operating Ratio                               | 77                  | 75          | 117           | 95          | 6              |
| Net Profit Margin                             | 75                  | -5%         | 14%           | 4%          | 4%             |
| Return on Equity                              | 73                  | -82%        | 155%          | 24%         | 35%            |
| Individual Expense Items                      |                     |             |               |             |                |
| Drivers and Helpers Wages                     | 20                  | -           | 6,042,942     | 1,997,438   | 1,852,388      |
| Insurance                                     | 74                  | -           | 12,187,101    | 1,308,876   | 2,132,620      |
| Outside Vehicle Maintenance                   | 71                  | -           | 6,433,749     | 544,719     | 1,169,665      |
| Purchased Transportation                      | 20                  | -           | 14,295,135    | 3,482,694   | 4,626,900      |
| Fleet Composition                             |                     |             |               |             |                |
| (Items as a percent of total)                 |                     |             |               |             |                |
| Trucks Owned                                  | 31                  | 0%          | 100%          | 60%         | 47%            |
| Trucks Leased                                 | 31                  | 0%          | 100%          | 40%         | 47%            |
| Tractors Owned                                | 62                  | 0%          | 100%          | 52%         | 43%            |
| Tractors Leased                               | 62                  | 0%          | 100%          | 48%         | 43%            |
| Trailers Owned                                | 62                  | 0%          | 100%          | 91%         | 28%            |
| Trailers Leased                               | 62                  | 0%          | 100%          | 9%          | 28%            |
| Operating Statistics                          |                     |             |               |             |                |
| Total Units in Fleet                          | 75                  | -           | 6,697         | 609         | 867            |
| Total Highway Miles                           | 71                  | -           | 189,696,383   | 21,728,253  | 28,185,203     |
| Total Tons Carried                            | 64                  | -           | 9,599,512     | 333,486     | 1,300,053      |
| Total Ton-Miles                               | 57                  | -           | 1,476,448,102 | 208,777,854 |                |
| Total Shipments                               | 58                  | -           | 369,212       | 19,072      | 53,490         |
| Revenue per Mile                              | 65                  | \$1.05      | \$10.77       | \$2.15      |                |
| Revenue per Ton                               | 16                  | \$6.12      | \$247.24      | \$58.85     |                |
| Revenue per Shipment                          | 15                  | \$88.44     | \$915.09      | \$463.95    | ·              |
| Revenue per Ton-Mile                          | 40                  | \$0.06      | \$29.13       | \$0.97      | \$4.57         |
| Average Load (Tons)                           | 40                  | 0           | 22            | 11          | 6              |
| Average Haul (Miles)                          | 14                  | 30          | 778           | 330         |                |
| Outside Vehicle Maintenance per Truck/Tractor | 70                  | -           | 15,255        | 2,444       | 3,592          |
| Valid N (listwise)                            | -                   |             |               |             |                |