Strategic Resources Access Road Network: Grain Freight Transportation Study

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Objectives of Grain Freight Survey

• Collect information on the changing grain freight industry.
  - Shipping Information by Mode & Season
  - Storage Information
  - Handling Information

• Compare Elevator Characteristics
  - Number of Licensed Warehouses
  - Number of Elevators
  - Capacities
  - Grain Movement Characteristics by Mode & Season
1994 Survey

• 71 Public Grain Warehouse Owners
  → 64 responses

• 470 Surveys Distributed
  → 410 responses

• Total grain storage capacity of public grain warehouses is 186,324,700 bushels
  → Grain storage Capacity of 410 respondents is 154,523,000 bushels (accounts for 83% of storage capacity)
2002 Survey

• 50 Public Grain Warehouse Owners
  47 Responses

• 383 Elevators surveyed
  364 responses

• Total Grain Storage Capacity of Public Warehouses is 166,419,700 bushels
  Grain storage Capacity of 364 respondents is 147,826,000 bushels. (accounts for 89% of storage capacity).
Changes in Survey Population

• Number of licensed grain warehouses shrank by 21 firms in 2002

• Number of elevators decreased by 87 in 2002 survey

• Volume of Total Storage Capacity shrank by 19,905,700
## Modes Used to Ship Wheat and Barley

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<tbody>
<tr>
<td>Truck to Other Houses</td>
<td>12.5</td>
<td>14.9</td>
<td>14.5</td>
<td>13.3</td>
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<td>Truck to Final Market</td>
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<td>19.6</td>
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<td>Truck-Barge</td>
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<td>44.8</td>
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<td>Rail-Barge (Only 2002)</td>
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<td>5.2</td>
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<td>Single-Car Rail</td>
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<td>3-Car Rail</td>
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<td>25/26-Car Rail</td>
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Conclusions

• Elevators
  - Overall Numbers have decreased
  - Capacities have increased

• Drawing Capacity
  - Consolidation has led to greater drawing power, more tran-shipments

• Receiving and Shipping
  - Relatively similar seasonal shipping patterns
  - Modal shift from truck-barge to rail-barge