

## Upper Mississippi River - Illinois Waterway (UMR-IWW) System Navigation Study

## Waterway Traffic Forecasts for the Upper Mississippi River Basin

### Exhibit 17

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Exhibit 17  
Gross State Product: Missouri

| INDUSTRY                   | 1980   | 1982   | 1984   | 1986   | 1988   | 1990   | 1992   | 2000    | 2005    | 2010    | 2015    | 2025    | 2045    |
|----------------------------|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|---------|---------|---------|
| (Millions of 1987 Dollars) |        |        |        |        |        |        |        |         |         |         |         |         |         |
| All-Industry Total         | 72,993 | 72,023 | 81,443 | 86,583 | 90,543 | 92,168 | 93,597 | 111,272 | 121,730 | 131,750 | 140,818 | 157,124 | 205,091 |
| Farm                       | 1,338  | 1,567  | 1,252  | 1,555  | 1,361  | 1,469  | 1,794  | 1,869   | 2,063   | 2,229   | 2,358   | 2,555   | 3,135   |
| Mining                     | 246    | 266    | 303    | 346    | 346    | 374    | 377    | 405     | 437     | 465     | 490     | 528     | 644     |
| Construction               | 3,479  | 2,988  | 3,708  | 4,197  | 3,899  | 3,686  | 3,756  | 4,204   | 4,381   | 4,556   | 4,694   | 4,936   | 6,019   |
| Stone, Clay, Glass         | 494    | 323    | 520    | 507    | 467    | 472    | 434    | 466     | 483     | 503     | 524     | 569     | 730     |
| Primary Metals             | 642    | 491    | 500    | 516    | 566    | 512    | 504    | 594     | 601     | 611     | 623     | 652     | 804     |
| Fabricated Metals          | 940    | 905    | 1,135  | 1,236  | 1,249  | 1,502  | 1,424  | 1,621   | 1,698   | 1,780   | 1,861   | 2,027   | 2,608   |
| Paper and Allied Products  | 555    | 614    | 683    | 682    | 669    | 764    | 841    | 1,022   | 1,121   | 1,221   | 1,318   | 1,504   | 2,034   |
| Chemicals                  | 1,489  | 1,797  | 1,694  | 1,968  | 2,362  | 2,771  | 2,551  | 2,893   | 3,122   | 3,351   | 3,572   | 3,999   | 5,292   |
| Petroleum Products         | 51     | 42     | 42     | 72     | 65     | 63     | 66     | 76      | 82      | 88      | 94      | 105     | 139     |
| Other Manufacturing        | 11,053 | 10,876 | 13,457 | 13,559 | 14,579 | 14,210 | 13,515 | 16,123  | 17,382  | 18,581  | 19,689  | 21,712  | 28,001  |
| Railroad transportation    | 590    | 552    | 680    | 642    | 804    | 871    | 1,032  | 1,409   | 1,627   | 1,826   | 2,002   | 2,298   | 3,024   |
| Trucking and Warehousing   | 1,625  | 1,431  | 1,708  | 1,781  | 1,851  | 2,019  | 2,309  | 2,673   | 2,935   | 3,194   | 3,425   | 3,844   | 5,071   |
| Water transportation       | 164    | 169    | 220    | 170    | 141    | 106    | 82     | 58      | 54      | 52      | 50      | 48      | 53      |
| Pipelines                  | 92     | 107    | 107    | 74     | 75     | 56     | 60     | 67      | 66      | 65      | 65      | 65      | 75      |
| Trade, F.I.R.E., Services  | 35,850 | 36,022 | 40,563 | 43,644 | 44,935 | 45,402 | 46,941 | 57,237  | 63,324  | 69,129  | 74,341  | 83,599  | 109,961 |
| Government                 | 8,711  | 8,437  | 8,535  | 8,912  | 9,093  | 9,439  | 9,394  | 9,938   | 10,415  | 10,889  | 11,333  | 12,171  | 15,142  |
| Other                      | 5,677  | 5,436  | 6,338  | 6,723  | 8,082  | 8,454  | 8,519  | 10,619  | 11,940  | 13,209  | 14,379  | 16,512  | 22,359  |
| (Percent of Total GSP)     |        |        |        |        |        |        |        |         |         |         |         |         |         |
| Farm                       | 1.83%  | 2.18%  | 1.54%  | 1.80%  | 1.50%  | 1.59%  | 1.92%  | 1.68%   | 1.69%   | 1.69%   | 1.67%   | 1.63%   | 1.53%   |
| Mining                     | 0.34%  | 0.37%  | 0.37%  | 0.40%  | 0.38%  | 0.41%  | 0.40%  | 0.36%   | 0.36%   | 0.35%   | 0.35%   | 0.34%   | 0.31%   |
| Construction               | 4.77%  | 4.15%  | 4.55%  | 4.85%  | 4.31%  | 4.00%  | 4.01%  | 3.78%   | 3.60%   | 3.46%   | 3.33%   | 3.14%   | 2.93%   |
| Stone, Clay, Glass         | 0.68%  | 0.45%  | 0.64%  | 0.59%  | 0.52%  | 0.51%  | 0.46%  | 0.42%   | 0.40%   | 0.38%   | 0.37%   | 0.36%   | 0.36%   |
| Primary Metals             | 0.88%  | 0.68%  | 0.61%  | 0.60%  | 0.63   | 0.56%  | 0.54%  | 0.53%   | 0.49%   | 0.46%   | 0.44%   | 0.41%   | 0.39%   |
| Fabricated Metals          | 1.29%  | 1.26%  | 1.39%  | 1.43%  | 1.38%  | 1.63%  | 1.52%  | 1.46%   | 1.39%   | 1.35%   | 1.32%   | 1.29%   | 1.27%   |
| Paper and Allied Products  | 0.76%  | 0.85%  | 0.84%  | 0.79%  | 0.74%  | 0.83%  | 0.90%  | 0.92%   | 0.92%   | 0.93%   | 0.94%   | 0.96%   | 0.99%   |
| Chemicals                  | 2.04%  | 2.50%  | 2.08%  | 2.27%  | 2.61%  | 3.01%  | 2.73%  | 2.60%   | 2.56%   | 2.54%   | 2.54%   | 2.55%   | 2.58%   |
| Petroleum Products         | 0.07%  | 0.06%  | 0.05%  | 0.08%  | 0.07%  | 0.07%  | 0.07%  | 0.07%   | 0.07%   | 0.07%   | 0.07%   | 0.07%   | 0.07%   |
| Other Manufacturing        | 15.14% | 15.10% | 16.52% | 15.66% | 16.10% | 15.42% | 14.44% | 14.49%  | 14.28%  | 14.10%  | 13.98%  | 13.82%  | 13.65%  |
| Railroad transportation    | 0.81%  | 0.77%  | 0.84%  | 0.74%  | 0.89%  | 0.95%  | 1.10%  | 1.27%   | 1.34%   | 1.39%   | 1.42%   | 1.46%   | 1.47%   |
| Trucking and Warehousing   | 2.23%  | 1.99%  | 2.10%  | 2.06%  | 2.04%  | 2.19%  | 2.47%  | 2.40%   | 2.41%   | 2.42%   | 2.43%   | 2.45%   | 2.47%   |
| Water transportation       | 0.22%  | 0.23%  | 0.27%  | 0.20%  | 0.16%  | 0.12%  | 0.09%  | 0.05%   | 0.04%   | 0.04%   | 0.04%   | 0.03%   | 0.03%   |
| Pipelines                  | 0.13%  | 0.15%  | 0.13%  | 0.08%  | 0.08%  | 0.06%  | 0.06%  | 0.06%   | 0.05%   | 0.05%   | 0.05%   | 0.04%   | 0.04%   |
| Trade, F.I.R.E., Services  | 49.11% | 50.01% | 49.81% | 50.41% | 49.63% | 49.26% | 50.15% | 51.44%  | 52.02%  | 52.47%  | 52.79%  | 53.21%  | 53.62%  |
| Government                 | 11.93% | 11.71% | 10.48% | 10.29% | 10.04% | 10.24% | 10.04% | 8.93%   | 8.56%   | 8.27%   | 8.05%   | 7.75%   | 7.38%   |
| Other                      | 7.78%  | 7.55%  | 7.78%  | 7.76%  | 8.93%  | 9.17%  | 9.10%  | 9.54%   | 9.81%   | 10.03%  | 10.21%  | 10.51%  | 10.90%  |

Source: BEA Regional Projections to 2045, 1995

[http://www.mvr.usace.army.mil/pdw/nav\\_study/econ\\_reports/watfor/ex17.htm](http://www.mvr.usace.army.mil/pdw/nav_study/econ_reports/watfor/ex17.htm)

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