

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

Waterway Traffic Forecasts for the Upper Mississippi River Basin

Exhibit 16

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Exhibit 16
Gross State Product: Minnesota

INDUSTRY	1980	1982	1984	1986	1988	1990	1992	2000	2005	2010	2015	2025	2045
(Millions of 1987 Dollars)													
All-Industry Total	66,269	66,789	74,581	78,565	83,984	88,504	92,925	112,165	123,312	133,789	143,248	160,178	209,327
Farm	2,488	2,776	2,614	2,815	1,975	2,984	2,833	2,710	3,154	3,532	3,826	4,256	5,303
Mining	415	476	514	402	462	706	802	1,004	1,096	1,184	1,262	1,403	1,838
Construction	3,402	2,565	3,165	3,620	3,610	3,676	3,808	4,216	4,404	4,584	4,727	4,978	6,076
Stone, Clay, Glass	370	335	442	384	442	440	462	521	544	569	596	650	842
Primary Metals	240	202	232	266	239	226	270	316	323	331	339	358	445
Fabricated Metals	1,261	1,210	1,444	1,497	1,665	1,739	1,648	1,858	1,926	2,001	2,078	2,240	2,847
Paper and Allied Products	1,527	1,878	2,012	2,730	2,848	2,910	2,991	3,638	3,978	4,322	4,655	5,296	7,140
Chemicals	313	357	422	537	564	622	704	848	941	1,033	1,122	1,292	1,767
Petroleum Products	193	277	382	212	449	481	546	684	766	845	921	1,066	1,476
Other Manufacturing	8,695	8,760	10,341	10,698	13,126	13,195	13,655	18,071	20,032	21,849	23,509	26,514	35,021
Railroad transportation	504	442	499	482	559	588	639	863	972	1,070	1,154	1,292	1,652
Trucking and Warehousing	1,098	980	1,204	1,195	1,214	1,331	1,428	1,649	1,785	1,917	2,032	2,243	2,915
Water transportation	80	66	70	59	74	52	45	41	40	40	40	41	48
Pipelines	46	48	51	56	79	68	73	84	86	88	90	95	117
Trade, F.I.R.E., Services	33,442	34,168	38,142	40,431	42,440	44,288	47,387	58,009	64,152	69,916	75,104	84,311	110,580
Government	7,795	7,844	8,103	8,382	8,611	9,183	9,319	9,961	10,467	10,950	11,399	12,231	15,212
Other	4,401	4,407	4,945	4,800	5,627	6,016	6,314	7,693	8,647	9,557	10,394	11,912	16,048
(Percent of Total GSP)													
Farm	3.75%	4.16%	3.50%	3.58%	2.35%	3.37%	3.05%	2.42%	2.56%	2.64%	2.67%	2.66%	2.53%
Mining	0.63%	0.71%	0.69%	0.51%	0.55%	0.80%	0.86%	0.90%	0.89%	0.89%	0.88%	0.88%	0.88%
Construction	5.13%	3.84%	4.24%	4.61%	4.30%	4.15%	4.10%	3.76%	3.57%	3.43%	3.30%	3.11%	2.90%
Stone, Clay, Glass	0.56%	0.50%	0.59%	0.49%	0.53%	0.50%	0.50%	0.46%	0.44%	0.43%	0.42%	0.41%	0.40%
Primary Metals	0.36%	0.30%	0.31%	0.34%	0.29%	0.26%	0.29%	0.28%	0.26%	0.25%	0.24%	0.22%	0.21%
Fabricated Metals	1.90%	1.81%	1.94%	1.91%	1.98%	1.96%	1.77%	1.66%	1.56%	1.50%	1.45%	1.40%	1.36%
Paper and Allied Products	2.30%	2.81%	2.70%	3.47%	3.39%	3.29%	3.22%	3.24%	3.23%	3.23%	3.25%	3.31%	3.41%
Chemicals	0.47%	0.53%	0.57%	0.68%	0.67%	0.70%	0.76%	0.76%	0.76%	0.77%	0.78%	0.81%	0.84%
Petroleum Products	0.29%	0.41%	0.51%	0.27%	0.53%	0.54%	0.59%	0.61%	0.62%	0.63%	0.64%	0.67%	0.71%
Other Manufacturing	13.12%	13.12%	13.87%	13.62%	15.63%	14.91%	14.70%	16.11%	16.24%	16.33%	16.41%	16.55%	16.73%
Railroad transportation	0.76%	0.66%	0.67%	0.61%	0.67%	0.66%	0.69%	0.77%	0.79%	0.80%	0.81%	0.81%	0.79%
Trucking and Warehousing	1.66%	1.47%	1.61%	1.52%	1.45%	1.50%	1.54%	1.47%	1.45%	1.43%	1.42%	1.40%	1.39%
Water transportation	0.12%	0.10%	0.09%	0.08%	0.09%	0.06%	0.05%	0.04%	0.03%	0.03%	0.03%	0.03%	0.02%
Pipelines	0.07%	0.07%	0.07%	0.07%	0.09%	0.08%	0.08%	0.08%	0.07%	0.07%	0.06%	0.06%	0.06%
Trade, F.I.R.E., Services	50.46%	51.16%	51.14%	51.46%	50.53%	50.04%	50.99%	51.72%	52.02%	52.26%	52.43%	52.64%	52.83%
Government	11.76%	11.74%	10.86%	10.67%	10.25%	10.38%	10.03%	8.88%	8.49%	8.18%	7.96%	7.64%	7.27%
Other	6.64%	6.60%	6.63%	6.11%	6.70%	6.80%	6.80%	6.86%	7.01%	7.14%	7.26%	7.44%	7.67%

Source: BEA Regional Projections to 2045, 1995

http://www.mvr.usace.army.mil/pdw/nav_study/econ_reports/watfor/ex16.htm

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End of Exhibit 16 - Waterway Traffic Forecasts

Converted to HTML, 4 Sept. 1997, Brendan Belby, CEMVR - PD-W, (309) 794-5343

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