Transportation & Logistics



LINCOLN PARTNERSHIP FOR ECONOMIC DEVELOPMENT 1128 LINCOLN MALL, SUITE 100 LINCOLN, NE 68508 402.436.2350 WWW.SELECTLINCOLN.ORG A PROFILE OF LINCOLN'S TRANSPORTATION AND LOGISTICS INDUSTRY CLUSTER





A Bureau of Business Research Report From the University of Nebraska—Lincoln

A Profile of Lincoln's Transportation and Logistics Industry Cluster

Final Report, 2017

Prepared for the Lincoln Partnership for Economic Development

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July 27, 2017
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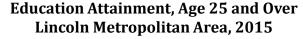
Introduction

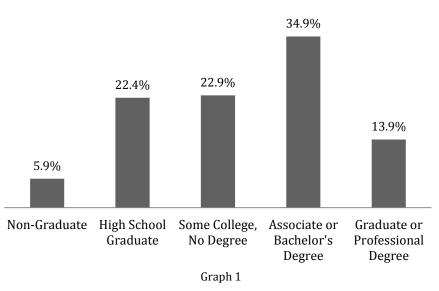
Lincoln, Nebraska's central location makes it an ideal transportation and logistics hub. Interstate-80, arguably the nation's busiest intercontinental highway, runs through Lincoln and stretches over 450 miles east to west from one end of the state to the other. Three significant north south highways bisect the state near Lincoln, connecting Lincoln to the NAFTA trade corridor. BNSF, a Class I rail system, has a large rail hub in Lincoln. The regional Lincoln Airport and Eppley Airfield in Omaha provide easy access to air freight services.

In addition to its central location, logistics management, warehousing, and transportation companies in Lincoln enjoy several other benefits: a highly educated workforce, low labor costs, low cost of living, low traffic congestion costs, a business-friendly climate, university transport and logistics research facilities, and the absence of inventory taxes.

Why Lincoln?

Lincoln, a Midwestern community of 330,000, is well positioned to cultivate this industry through its **highly educated** workforce¹, existing transportation-logistics presence, central location, extensive university research and outstanding quality of life.





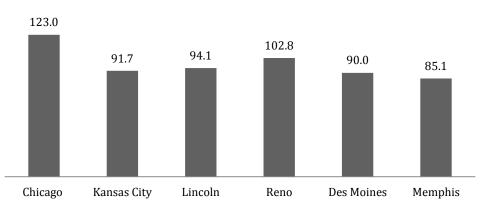
Lincoln offers the ambiance of a friendly small town and the amenities, attractions and entertainment opportunities of a major metropolitan area. Lincoln is both the **state capital and home to the flagship campus of the University of Nebraska**; as a result it provides a greater range of offerings than might be expected in a community of its size. Efficient transportation, a stable business environment, advanced health-care technology and an excellent educational system are just a few of the reasons why **Lincoln ranks highly in livability studies**. As described in the pages that follow, Lincoln is competitive with other transportation and logistics centers in terms of the combination of cost-of-living, wages, space costs, and other business costs. The University of Nebraska-Lincoln provides research services in areas such as supply chain management and transportation safety while colleges throughout the region graduate students in relevant majors for the transportation and logistics industry. Lincoln also has an established transportation and logistics cluster containing major establishments of leading national firms (BNSF, Crete Carrier) as well as many mid-sized and smaller firms.

 $^{^{\}rm 1}$ U.S. Census Bureau, 2015 American Community Survey (1-year Estimates), Table S1501.

Cost Comparisons

Lincoln's cost of living is competitive with other transportation and logistics centers nationwide.²

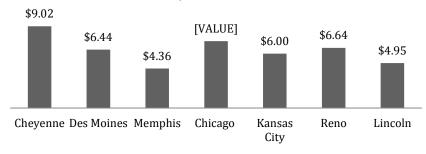
Cost of Living Composite Index, Q1 2017



Base = 100, National Average Graph 2

In addition to Lincoln's exceptional amenities and educated workforce, Lincoln has nearly the lowest industrial space costs among comparison metropolitan areas.³

Annual Rent per Square Foot: Industrial Property Asking Rent June 2016



Graph 3

Lincoln has somewhat higher wages for transportation and material moving workers relative to comparison metropolitan areas.⁴ Looking across all these measures, Lincoln is competitive in terms of the combination of amenities, cost of living and industrial space costs.

 $^{^2}$ Council for Community and Economic Research, "(previously Accra) Cost of Living Index 3Q 2016." Published Oct. 2016

³ LoopNet Real Estate Research, http://www.loopnet.com

⁴ U.S. Bureau of Labor Statistics, Occupation Employment Statistics, http://www.bls.gov/oes/, accessed Jul 7, 2017.

Relative Wages for Transportation and Material Moving Workers, 2016 100 103 100 103 102 91 91 91 Des Moines Cheyenne Kansas City Chicago Reno Memphis Lincoln

Base = 100, National Average Graph 4

We provide detailed salary information on several transportation-logistics occupations on the next page. Average unemployment insurance tax rate on taxable wages, average price for industrial gas per thousand cubic feet, industrial electric service typical industrial bill, and top state corporate income tax rate can be found on page 5. Lincoln is among the three lowest cost metro areas among comparison cities for average unemployment insurance tax rate, price for industrial gas, and typical industrial electric bill service rates.

Transportation and Logistics - Average Annual Salary, Lincoln MSA, Q1 2017								
	Annual Salary							
Occupation	Entry	Experienced	Median					
TOTAL ALL OCCUPATIONS	\$22,310	\$36,498	\$56,762					
			1 1					
MANAGEMENT OCCUPATIONS	\$52,468	\$85,843	\$126,177					
General and Operations Managers	\$51,853	\$86,055	\$134,429					
Transportation, Storage, and Distribution Managers	\$54,270	\$77,101	\$92,273					
		I	l I					
BUSINESS AND FINANCIAL OPERATIONS OCCUPATIONS	\$35,225	\$56,087	\$75,363					
Management Analysts	\$45,827	\$65,457	\$81,938					
Accountants and Auditors	\$41,353	\$56,665	\$75,287					
		I	l I					
ARCHITECTURE AND ENGINEERING OCCUPATIONS	\$42,967	\$66,441	\$84,871					
Architectural and Civil Drafters	\$38,627	\$48,124	\$53,628					
OFFICE AND ADMINISTRATIVE SUPPORT OCCUPATIONS	+00 ((0	+	+					
OFFICE AND ADMINISTRATIVE SUPPORT OCCUPATIONS	\$22,669	\$32,289	\$40,873					
Shipping, Receiving, and Traffic Clerks	\$27,294	\$34,664	\$39,737					
Customer Service Representatives	\$23,060	\$29,978	\$37,926					
Couriers and Messengers	\$20,361	\$23,346	\$29,065					
Stock Clerks and Order Fillers	\$20,678	\$23,607	\$28,124					
TRANSPORTATION AND MATERIAL MOVING OCCUPATIONS	#00 CDF	406.054	440 500					
	\$23,625	\$36,854	\$49,502					
First-Line Supervisors of Trans. & Material-Moving Machine & Vehicle Ops.	\$35,201	\$53,777	\$66,088					
Industrial Truck and Tractor Operators	\$27,464	\$37,490	\$44,176					
Light Truck or Delivery Services Drivers	\$21,033	\$28,691	\$38,561					
Laborers and Freight, Stock, and Material Movers, Hand	\$21,268	\$27,732	\$24,984					
INSTALLATION, MAINTENANCE, AND REPAIR OCCUPATIONS	¢20.217	¢44 ⊑16	¢[(07(
Bus and Truck Mechanics and Diesel Engine Specialists	\$29,317	\$44,516	\$56,076					
Source: Occupation Employment and Wage Rates, https://neworks.nebraska.gov/, accessed July	\$32,804	\$49,213	\$57,771					
Source: Occupation Employment and wage Rates, https://neworks.neoraska.gov/, accessed July 3, 2017								

Table 1

Selected Business Costs for Transportation and Logistics Industry									
(Three Lowest Cost Metro Areas Listed in Bold)									
	Average Unemployment Insurance Tax Rate on Taxable Wages	Right- to-	Avg. Price Industrial Gas/ Thousand Cubic Feet	Typical Industrial Bill, Service Rates in Effect, January 1, 2016 (City)		Top State Corporate Income[2]			
Metropolitan Area[1]	2015 (State Average)	Work State?	2015 (State Avg.)	75kW, 50mWh	1000kW, 400mWh	Tax Rate 2017			
Lincoln	1.26%	Yes	\$4.56	\$2,667	\$29,969	7.81%			
Chicago	3.38%	No	\$5.47	\$4,155	\$34,803	7.75%			
Des Moines	1.26%	Yes	\$5.28	\$3,081	\$23,013	12.00%			
Kansas City	2.00%	Yes	\$7.58	\$3,681	\$36,440	6.25%			
Cheyenne	1.46%	Yes	\$5.07	\$4,591	\$43,625	0.00%			
Memphis	1.25%	Yes	\$5.06	\$3,941	\$35,414	6.50%			
Reno	2.00%	Yes	\$8.07	\$3,728	\$30,993	0.00%			

^[1] For metropolitan areas located in multiple states (Chicago, Kansas City, and Memphis), the state averages from the state where the metropolitan areas' economic activity is concentrated are utilized (Illinois, Missouri, and Tennessee, respectively).

Sources:

A. U.S. Department of Labor Office of Unemployment Insurance Division of Fiscal and Actuarial Services (2016),

Significant Measures of State Unemployment Insurance Tax Systems, Average Tax Rate,

http://workforcesecurity.doleta.gov/unemploy/pdf/sigmeasuitaxsys15.pdf

B. National Right to Work Legal Defense Foundation, Right to Work States, http://www.nrtw.org/right-to-work-states

C. US Energy Information Administration, Natural Gas, for Average Industrial Price,

http://www.eia.gov/dnav/ng/ng_sum_lsum_a_EPG0_PIN_DMcf_a.htm

D. Lincoln Electric System, National Electric Rate Survey 2016, Average Price/KWH,

http://www.les.com/pdf/rates/rate-survey.pdf

E. Tax Foundation, 2017, Facts & Figures: How Does Your State Compare?,

https://files.taxfoundation.org/20170320110931/TF-Facts-Figures-2017-3-20-2017.pdf

Table 2

^[2] Tax may be eligible for use of credits earned in state incentive program. Nevada has a gross receipts tax rather than a corporate income tax

Education Resources

Lincoln's Transportation and Logistics sector benefits from the vast array of programs that support the development of a specialized workforce for this industry.

The University of Nebraska-Lincoln (UNL), Peru State, Concordia University, Southeast Community College, and Doane College all provide business management, administration, accounting and finance programs. In addition to which there are a number of programs and other institutions tailored to the needs of the transportation and logistics industry. These are listed in the tables below. While UNL is certainly the backbone of information technology research and education in Lincoln, there are many institutions that offer 2-year and 4-year degree programs in this field: Concordia College, Doane College, Kaplan University, Nebraska Institute of Technology, Nebraska Wesleyan University, Southeast Community College, and Union College. Lincoln is also home to numerous other private institutions that offer certification programs in IT, two of these are the New Horizons Computer Learning Center and Easel Solutions.

During the 2015-16 school year, the colleges and universities in Lincoln graduated approximately **1,050 students with bachelor's degrees** in majors related to this sector, another **620 with associate's degrees**, and **400 with post-graduate degrees**.

Concordia University	10	to wester	Som		Colleges Colleges				
Concordio University	Dlan Univities		S TREAM	1	nion Colles				
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\$			/ Ti.		Eges				
Bachelor's Degrees Awarded									
Admin. Assistant and Secretarial Science, General						45			45
Business Admin. and Management, General		83	10		48	141	16	234	532
Business/Commerce, General	35			47	52				134
International Business/Trade/Commerce				2			1	14	17
Civil Engineering, General								81	81
Civil Engineering Technology/Technician						9			9
Computer Engineering, General								49	49
Computer and Information Sciences, General	2	5	6		8	58	8	51	138
Drafting and Design Tech./Technician, General						15			15
Elec./Electronic/Communic. Eng. Tech./Technic.						68			68
Electrical and Electronics Engineering								67	67
Foreign languages, literatures, and linguistics		4		5			1	38	48
Logistics, Materials, and Supply Chain Management								26	26
International Relations and Affairs								29	29
Machine Tool Technology/Machinist						31			31
Management Information Systems, General		13							13
Mechanical Engineering								106	106
Truck and Bus Driver/Commercial Vehicle Operation						49 ^C			73
Welding Technology/Welder						30			30
Mechanic and Repair Technologies/Technicians									
Autobody/Collision and Repair Tech./Technician						17			17
Automobile/Automotive Mechanics Tech./Technician						61			61
Diesel Mechanics Tech./Technician						63			63
Heating/AC/Vent./Refrig Maint. Tech./Technician						17			17
Small Engine Mechanics and Repair Tech./Technician						17 ^C			21
Total	37	105	16	54	108	621	26	695	169
A: Associates Degrees; B: Associates and Bachelors Deg	rees; C	: Certifi	cate Pr	ogram					
Source: http://nces.ed.gov/collegenavigator/									

Table 3

Post Graduate Degrees (M.A. & Ph.D.) Awarded	Concordia University	Doane University	Kaplan University	Nebraska Wesleyan University	UNL	Total
Business Admin. and Management, General					89	89
Civil Engineering, General					33	33
Computer and Information Sciences, General			3		18	21
Electrical and Electronics Engineering					12	12
Foreign Languages, Lit., and Linguistics					9	9
Business Administration and Management	18	48	2	41	89	198
Mechanical Engineering					19	19
Statistics, General					16	16
Telecommunications Technology/Technician					2	2
Total	18	48	5	41	287	399

Research and Industry Services

The transportation and logistics industry also benefits from research programs at the **University of Nebraska-Lincoln** (UNL). UNL's extensive transportation and logistics research programs and infrastructure include:

UNL's Nebraska Transportation Center

Nebraska Transportation Center (NTC) The NTC is a University-based transportation center developed in a 2006 proposal in order to integrate all facets of UNL's transportation research, education and outreach to create a multi-disciplinary transportation program that could better address the research needs of the state of Nebraska, the region, and the United States. The Nebraska Department of Roads (NDOR) is a key supporter of the University of Nebraska's transportation research. The NTC's research concentrations at the NTC include: *Structural and Safety Engineering, Safety Education, Geotechnical Engineering, Public Administration and Finance, Health, Hydraulics & Fluid Mechanics Engineering, Technology Transfer, and Transportation Systems Engineering.*

For more information, see the source of this passage: http://ntc.unl.edu/programs.php.

Some of the research labs and facilities hosted by NTC include:

Mid-America Transportation Center

The purpose of the Mid-America Transportation Center (MATC) is to improve safety and minimize risk associated with increasing multi-modal freight movement on the U.S. surface transportation system. MATC is a consortium of seven universities within the region, and the University of Nebraska-Lincoln serves as the lead institution. MATC headquarters are located at the Nebraska Transportation Center at UNL campus.

For more information, see the source of this passage: http://matc.unl.edu/index.php

Transportation Systems Engineering (TSE) lab

UNL's Transportation Systems Engineering (TSE) lab conducts research on transportation systems, including all surface modes with an emphasis on roadway and railroad related operations. It is the primary conduit for research in the area of Transportation Systems Engineering in the State of Nebraska.

For more information, see: http://ntc.unl.edu/

Midwest Roadside Safety Facility (MwRSF)

The Midwest Roadside Safety Facility (MwRSF), part of the University of Nebraska-Lincoln, is a research organization that researches all aspects of highway design and safety. MwRSF's mission is to improve the safety of public roadways through the design and testing of roadside hardware.

For more information, see: http://engineering.unl.edu/specialty-units/mwrsf/

Jeffrey S. Raikes School of Computer Science and Management

An innovative integration of computer science and management education, including a 2-year applied software design studio. The Jeffrey S. Raikes School develops leaders for a technology driven world. It is the recognized leader in interdisciplinary computer science and business management education for high ability and highly motivated students. The Raikes School is unique in that it is the premier program bringing together the domain of computer science and information technology with business, thereby developing leaders and entrepreneurs for the increasingly information technology-driven business world.

The Design Studio is the capstone learning experience of the Jeffrey S. Raikes School. In Design Studio, student teams partner with sponsoring businesses and government agencies to develop real-world, software-based solutions meeting their client's needs. Students gain project management, teamwork, and leadership skills essential in today's professional world. Design Studio gives students and clients the ability to interact and create innovative software based solution, while benefiting from the support of Raikes School faculty and facilities.

For more information, see the source of this passage: http://raikes.unl.edu/

University of Nebraska-Lincoln College of Business (CB)

The College of Business is among the small percentage of the schools offering undergraduate or graduate programs in business administration that are accredited under the high standards set by the Association to Advance Collegiate Schools of Business (AACSB). The college fosters intellectual curiosity, business insight, and effective leadership through high quality instruction, research, and service to students, the citizens of Nebraska, and national and international communities.

The CB is the second largest college on the University of Nebraska-Lincoln campus with approximately 4,000 students attending classes with 118 full-time equivalent faculty members. The undergraduate program offers ten majors; accounting, actuarial science, agribusiness, business administration, economics, finance, international business, management, marketing, and supply chain management. Masters and doctoral degrees are offered by the five departments; accounting, economics, finance, management and marketing.

The College retains close ties with professional and business leaders. Executives from all around the world come into the classrooms to speak to students and student organizations. Companies visit the college regularly to meet with faculty, attend job fairs, and forge closer ties with the College. Many student organizations are closely affiliated with professional and business organizations in the community. The College is also home to the Center for Entrepreneurship, which was named best in the nation by the U.S. Association for Small Business and Entrepreneurship.

For more information, see the source of this passage: http://cba.unl.edu/

College of Engineering

In 2009, the College of Engineering celebrated its 100th anniversary. As the only engineering college in Nebraska the UNL College of Engineering provides its students with professors with national and international expertise in their fields, the latest technology, quality facilities, a vast network of successful alumni and friends of the college, and caring staff.

The college is located in two cities (Lincoln and Omaha) on three campuses (City Campus in Lincoln, the East Campus in Lincoln) and currently has 13 departments. The undergraduate program offers majors in: Agricultural Engineering, Architectural Engineering, Biological Systems Engineering, Chemical Engineering, Civil Engineering, Computer Engineering (Lincoln and Omaha), Construction Management, Construction Engineering, Electrical Engineering, Electronics Engineering, Industrial Engineering, and Mechanical Engineering. The graduate program offers Master of Science Degrees in 11 areas including Industrial Management Systems Engineering and Telecommunications Engineering; Master of Engineering with concentrations in four areas; and PhDs with specializations in 12 areas including Chemical & Biomolecular Engineering and Materials Engineering.

The college is at the forefront of cutting edge engineering research and is strong and growing especially in the areas of nanotechnology, transportation, structures, computer and electronics engineering, and materials research. The college is adding emphasis on biomechanics, materials and medicine; renewable energy production, distribution and consumption; and cyber infrastructures. The college is home to the Nebraska Center for Materials and Nanoscience , and the Center for Nontraditional Manufacturing Research

For more information, see the source of this passage: http://engineering.unl.edu/

Department of Computer Science & Engineering

Graduates from this UNL department are highly capable, creative individuals whose skills allow them to work seamlessly across a broad spectrum of careers. The department conducts state-of-the-art research in software engineering, informatics, and systems. The faculty receives funding from a variety of sources including: National Science Foundation (NSF), U.S. Department of Agriculture, Army Research Office, Airforce Office of Scientific Research, NASA, National Institute of Health, Microsoft, and Intel.

The department also hosts a number of research labs and facilities that form an important hub for information-technology R&D in the state of Nebraska:

The Abacus Distributed Storage Lab, aims to design and develop distributed and parallel storage systems with high scalability, performance, reliability and availability.

The Constraint Systems Lab investigations cover both theoretic and practical aspects of Constraint Processing, a subarea of Artificial Intelligence. Constraint Processing provides powerful tools for modeling and solving effectively a wide variety of combinatorial problems spanning over Computer Science, Engineering, and Management.

Cyber-Physical Network, networks that are aware of, can adapt to, and change their environment. The focus areas are: cross-layer communications, real-time networking, underground sensor networks, mobile sensor networks, and cognitive radio networks.

For more information, see the source of this passage: http://cse.unl.edu/

Nebraska Innovation Campus (NIC)

Nebraska Innovation Campus (NIC) is a research campus designed to facilitate new and in-depth partnerships between the University of Nebraska-Lincoln (UNL) and private sector businesses. NIC is located adjacent to UNL, strategically providing access to research faculty, facilities and students. At full build-out, NIC will be a 2.2 million square foot campus with uniquely

designed buildings and amenities that encourage people to create and transform ideas into global innovation. NIC aspires to be the most sustainable research and technology campus in the U.S.

For more information about NIC visit: http://innovate.unl.edu/

Lincoln's Transportation and Logistics Sector

Lincoln's Transportation and Logistics sector comprises a broad range of companies. Lincoln and nearby Omaha are the headquarters for some of the most prominent and largest transportation and logistics companies in the world, including Crete Carrier Corp., Union Pacific Railroad, and Werner Enterprises. Lincoln is also home to a major facility of Burlington Northern Santa Fe Railroad. In addition, Lincoln has a foreign trade zone (FTZ No. 59/Lincoln – Contact – Pat Haverty: 402-436-2379). Further, Nebraska does not have an inventory tax, an advantageous feature for distribution centers and warehousing operations. There are multiple cold storage facilities and several other warehouse facilities in Lincoln and surrounding areas.

There are dozens of transportation and logistics firms, or support firms, located in Lincoln. A listing of most firms is provided below

Above Par Transportation Inc.

A C K Express

A Miracle Trucking Inc.

Abe Express

ABF Freight System Inc.

Agway Trucking
Advantage Trucking
Alan L. Hill Trucking
American Courier Corp
American Trucking
American Van Lines

Amtrak

Arbor Transportation Arrowhead Trucking A & S Transport Inc.

B & R Refrigerated Transport

Baloo Trucking Inc.

Beatrice Motor Freight Inc.

Beeson Trucking Co.
BMS Logistics
BNSF Railway
Brown Transfer Co.
Busch Trucking Inc.
Cades Trucking
C & R Transfer Inc.
Central Transport Inc.
City Wide Delivery
Contract Load Carriers

Cook Trucking

Crete Carrier Corporation

D & G Trucking

Dahlsten Truck Line Inc.
Dean Burling Mobile
Deluxe Transportation Inc.
Deshon Trucking Inc.
Duncan Aviation
Dusty Trucking LLC
E & E Trucking

Eagle Delivery Service Inc.

Espace Route F1 Express Inc.

Fast Fuel Transport Services Inc.

Fast Mike's Hauling Fat Cat Trucking First Choice Roll-Offs FedEx Freight G & J Enterprises Geweke Transport Inc.

Gies Trucking Gm Transport Inc. Gns Transfer Co LLC

Greyhound Package Express

GVG Trucking LLC H & S Auto Service

Harbor Freight Tools Usa Inc.

Heavy Company Hollis Trucking

Industrial Transport Inc. JB Hunt Transport Jerry Frye Company Johnsrud Transport Inc.

Just Durr

Kenneth Felsing Inc. K-Jam Trucking, Inc.

Krasser Inc.

Left Lane Express, Inc. LeRoy E. Hiskey Trucking Co.

Li'l Truckers LLC Lincoln Bumper Co. Lincoln Carriers LLC Lincoln Trucking

Lonnie Noble Trucking Inc.

Lucky 7 Express Mark Services Inc. M & M Midwest Hauling

M A W Logistics Magee Trucking Inc. Mark Services Inc.

Marv Grant Trucking Masters Transportation Midlands Trucking Midwest Transfer LLC Mills Transfer Inc. Mundt Trucking Inc.

Nationwide Auto Transport

Navistar Transport

Nebraska Bulk Transports Inc.

Nebraska Transport Co.

Nebraska Trucking Association Inc.

NSG Transport Inc.
Pat Groeling Enterprises
Pawnee Transfer Incorporated

Pj Rowe Trucking Premier Logistics

Reliant Transportation Inc. Retzlaff Brothers Inc. Richard Reiber Trucking

Riggs Trucking
RMF Solutions
Rrp transportation
Russ Huls Trucking
RW Trucking

Saia Motor Freight Line, Inc.

Salem Trucking Co.

Salmon Co.

Samuelson Trucking

Schulz Transportation Service Inc.

Scott Parks Trucking

Select Transportation Services LLC

Shaffer Trucking Inc.

Skyway Transportation Inc.

Stampede 4 U LLC

Stanford Madlock Trucking Inc. Steven Kamp Logistics, Inc. Stewart Transportation Service Studebaker Enterprises Inc.

Sue Trucking Co Inc. Tenderfoot Trucking Co Terry Construction

Thomas Buchwald Trucking

Tos Wall Systems Tran Trucking Transport Plus Inc.

Transportation Claims Inc.

Triple M Trucking

Truckitco Tvb Storage

Two Carat Trucking, Inc.

U. S. Xpress, Inc.
United Transport Inc.
Universal Transit
V & Y Express Inc.
Yasco Trucking