UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

SCHEDULE 14A

Proxy Statement Pursuant to Section 14(a) of the Securities Exchange Act of 1934

Filed by the Registrant x Filed by a Party other than the Registrant o

Check the appropriate box:

- o Preliminary Proxy Statement
- o Confidential, for Use of the Commission Only (as permitted by Rule 14a-6(e)(2))
- x Definitive Proxy Statement
- o Definitive Additional Materials
- o Soliciting Material under §240.14a-12

KNIGHT TRANSPORTATION, INC.

(Name of Registrant as Specified In Its Charter)

N/A

(Name of Person(s) Filing Proxy Statement, if other than the Registrant)

Payment of Filing Fee (Check the appropriate box):

- x No fee required
- o Fee computed on table below per Exchange Act Rules 14a-6(i)(4) and 0-11.
 - (1)Title of each class of securities to N/A which transaction applies:
 - (2) Aggregate number of securities to which transaction applies:
 - (3)Per unit price or other underlying value of transaction computed pursuant to Exchange Act Rule 0-11 (set forth the amount on which the filing fee is calculated and state how it was determined): N/A
 - (4)Proposed maximum aggregate value of transaction:
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- o Fee paid previously with preliminary materials.
- Ocheck box if any part of the fee is offset as provided by Exchange Act Rule 0-11(a)(2) and identify the filing for which the offsetting fee was paid previously. Identify the previous filing by registration statement number, or the Form or Schedule and the date of its filing.

(1) Amount previously paid: N/A

(2)Form, Schedule or Registration

Statement No.: N/A
(3)Filing Party: N/A
(4)Date Filed: N/A

KNIGHT TRANSPORTATION, INC.

5601 West Buckeye Road Phoenix, Arizona 85043

NOTICE OF ANNUAL MEETING OF SHAREHOLDERS TO BE HELD ON MAY 24, 2006

To our Shareholders:

You are cordially invited to attend the 2006 Annual Meeting of Shareholders (the "Annual Meeting") of KNIGHT TRANSPORTATION, INC. (the "Company") to be held at 8:30 A.M., Phoenix time, on May 24, 2006, at the Arizona Biltmore, 2400 East Missouri, Phoenix, Arizona 85016. The purposes of the Annual Meeting are to:

- 1. Elect three Class II Directors, each director to serve a term of three years, and one Class I Director to serve a term of two years;
- 2. Ratify the appointment of Deloitte & Touche LLP as the Company's independent registered public accounting firm for fiscal year 2006; and
 - 3. Transact such other business as may properly come before the Annual Meeting.

The Board of Directors has fixed the close of business on April 6, 2006, as the record date for determining those shareholders who are entitled to receive notice of and vote at the Annual Meeting or any adjournment of that meeting. Shares of Knight Common Stock can be voted at the Annual Meeting only if the holder is present at the Annual Meeting in person or by valid proxy. A copy of the Company's 2005 Annual Report to Shareholders, which includes audited consolidated financial statements, is enclosed.

YOUR VOTE IS IMPORTANT. TO ENSURE YOUR REPRESENTATION AT THE ANNUAL MEETING, YOU ARE REQUESTED TO PROMPTLY DATE, SIGN, AND RETURN THE ACCOMPANYING PROXY IN THE ENCLOSED ENVELOPE.

By Order of the Board of Directors,

Timothy M. Kohl Secretary

Phoenix, Arizona April 14, 2006

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KNIGHT TRANSPORTATION, INC.

5601 West Buckeye Road Phoenix, Arizona 85043

PROXY STATEMENT FOR ANNUAL MEETING OF SHAREHOLDERS TO BE HELD ON MAY 24, 2006

GENERAL INFORMATION

This Proxy Statement is furnished in connection with the solicitation of proxies from the shareholders of Knight Transportation, Inc. to be voted at the Annual Meeting of Shareholders (the "Annual Meeting") to be held on May 24, 2006. **THE ENCLOSED PROXY IS SOLICITED BY THE BOARD OF DIRECTORS OF THE COMPANY.** If not otherwise specified, all proxies received pursuant to this solicitation will be voted (i) FOR the director nominees named herein; (ii) FOR ratification of the appointment of Deloitte & Touche LLP as the Company's independent registered public accounting firm for fiscal year 2006; and (iii) with respect to any other matters properly brought before the Annual Meeting, in accordance with the recommendations of the Board of Directors, or, if no recommendations are given, in accordance with the judgment of the proxy holders.

This Proxy Statement, the proxy card, and our Annual Report were first mailed on or about April 14, 2006, to shareholders of record at the close of business on April 6, 2006 (the "Record Date").

The terms "we," "our," "us," or the "Company" refer to Knight Transportation, Inc. and its subsidiaries.

Voting Rights

Only holders of record of our Common Stock, par value \$0.01 per share ("Common Stock"), at the close of business on the Record Date are entitled to vote at the Annual Meeting, either in person or by valid proxy. Except in the election of directors, shareholders are entitled to one vote for each share held of record on each matter of business to be considered at the Annual Meeting. In the election of directors, cumulative voting is required by law. *See* "Required Vote; Cumulative Voting." As of the Record Date, there were issued and outstanding approximately 85,811,556 shares of our Common Stock, entitled to cast an aggregate 85,811,566 votes on all matters subject to a vote at the Annual Meeting, other than in the election of directors, where the shares are entitled to an aggregate 343,246,224 votes in the election of directors; 257,434,668 in the election of Class II directors and 85,811,566 in the election of the Class I director. Votes cast at the Annual Meeting will be tabulated by the Inspector of Elections and the results of all items voted upon will be announced at the Annual Meeting.

Quorum Requirement

In order to transact business at the Annual Meeting, a quorum must be present. A quorum is present if a majority of the issued and outstanding shares of Common Stock as of the Record Date are represented at the Annual Meeting in person or by proxy. Shares that are entitled to vote but that are not voted at the direction of the holder (called "abstentions") and shares that are not voted by a broker or other record holder due to the absence of instructions from the beneficial owner (called "broker non-votes") will be counted for the purpose of determining whether a quorum is present.

Required Vote; Cumulative Voting

Election of Directors. Directors are elected by plurality of the votes cast, which means that the director nominees receiving the highest number of votes for their election will be elected as directors. Abstentions and broker non-votes are not counted as votes for the election of any director nominee. Under the Constitution of the State of Arizona, as well as Section 10-728 of the Arizona Revised Statutes, shareholders have cumulative voting rights in electing directors of an Arizona corporation. Cumulative voting means that each shareholder, when electing directors, has the right to cast as many votes in the aggregate as he, she, or it has voting shares multiplied by the number of directors to be elected. For example, this year three Class II directors and one Class I director will be elected. If a shareholder has 100 shares of Common Stock, the shareholder is entitled to cast a total of 400 votes (300 votes in the election of the Class II directors, and 100 votes in the election of the Class I director). Therefore, in the election of Class II directors, the shareholder may cast 300 votes for a single director nominee or distribute those votes among the Class II director nominees as the shareholder determines.

Other Matters. Approval of the other matters submitted to shareholders for consideration and action at the Annual Meeting requires that the number of votes cast for the matter exceeds the number of votes cast against the matter. Abstentions and broker non-votes will be disregarded in determining whether a matter has been approved. In other words, abstentions and broker non-votes will be counted neither as votes for nor as votes against a matter.

Right to Attend Annual Meeting; Revocation of Proxy

Returning a proxy card now will not interfere with your right to attend the Annual Meeting or to vote your shares personally at the Annual Meeting, if you wish to do so. Shareholders who execute and return proxies may revoke them at any time before they are exercised by giving written notice to the Secretary of the Company at our address, by executing a subsequent proxy and delivering it to the Secretary of the Company, or by attending the Annual Meeting and voting in person.

Costs of Solicitation

We will bear the cost of solicitation of proxies, which we expect to be nominal and will include reimbursements for the charges and expenses of brokerage firms and others for forwarding solicitation material to beneficial owners of our outstanding Common Stock. Proxies will be solicited by mail and may be solicited personally by directors, officers, or our employees, who will not receive any additional compensation for any such services.

Annual Report

The information included in this Proxy Statement should be reviewed in conjunction with the Consolidated Financial Statements, Notes to Consolidated Financial Statements, Reports of our Independent Registered Public Accounting Firm, and other information included in our 2005 Annual Report to Shareholders that was mailed on or about April 14, 2006, together with this Notice of Annual Meeting and Proxy Statement, to all shareholders of record as of the Record Date.

How to Read this Proxy Statement

This Proxy Statement contains the proposals to be considered by shareholders at the Annual Meeting, as well as important information concerning, among other things: our management and our Board of Directors; executive compensation; transactions between the Company and our officers, directors, and affiliates; the stock ownership of management and other large shareholders; the services provided to us by and fees of Deloitte & Touche LLP, our independent registered public accounting firm; and instructions for shareholders who want to make proposals at the 2007 Annual Meeting of Shareholders. *Each shareholder should read this information before completing and*

returning the enclosed proxy card.

PROPOSAL NO. 1. - ELECTION OF DIRECTORS

Our Board of Directors presently consists of nine members. The directors are divided into three classes, with each class serving a three-year term. The shareholders elect approximately one-third of the Board of Directors each year. Three Class II directors and one Class I director will be elected at the Annual Meeting.

Upon the recommendation of the Nominating and Corporate Governance Committee, the Board of Directors has nominated Gary J. Knight, G.D. Madden, and Kathryn L. Munro for election as Class II directors and Richard J. Lehmann for election as a Class I director, at the Annual Meeting.

Each Class II director nominee will be elected to serve until the 2009 Annual Meeting of Shareholders or until his or her successor shall have been duly elected and qualified or his or her resignation or removal, whichever occurs first. Each of the Class II director nominees has consented to serve a three year term.

On February 8, 2006, upon the recommendation of the Nominating and Corporate Governance Committee, the Board of Directors appointed Mr. Lehmann to fill a vacancy created by the resignation of Timothy M. Kohl, who resigned as a Class I director on February 8, 2006. Although the term of our Class I directors does not expire until the 2008 Annual Meeting of Shareholders, Arizona law provides that the term of a director appointed to fill a vacancy expires at the next shareholders' meeting at which directors are elected. As a result, Mr. Lehmann is standing for election as a Class I director at the Annual Meeting and will be elected to serve until the 2008 Annual Meeting of Shareholders or until his successor shall have been duly elected and qualified or his resignation or removal, whichever occurs first. Mr. Lehmann has consented to serve a two year term.

If any of the nominees named above should become unavailable to serve as a director, the Board of Directors may designate a substitute nominee. In that case, the proxy holders will vote for the substitute nominee designated by the Board.

Class II Director Nominees

Information concerning the nominees standing for election as Class II directors follows:

Gary J. Knight, 54

Director Since 1990

Gary J. Knight has served as the Vice Chairman of our Board of Directors since January 2004. Mr. Knight served as our President from 1993 to January 2004, and has been an officer and director of the Company since 1990. From 1975 until 1990, Mr. Knight was employed by Swift Transportation Co., Inc. ("Swift"), a long-haul truckload carrier, where he was an Executive Vice President.

G.D. Madden, 66 Director Since 1997

G.D. Madden has served as a director of the Company since January 1997. Since 1996, Mr. Madden has been President of Madden Partners, a consulting firm he founded, which specializes in transportation technology and strategic issues. Prior to founding Madden Partners, he was President and Chief Executive Officer of Innovative Computing Corporation, a subsidiary of Westinghouse Electric Corporation. Mr. Madden founded Innovative Computing Corporation ("ICC"), a privately held company, which grew to be the largest supplier of fully integrated management information systems to the trucking industry. Mr. Madden sold ICC to Westinghouse in 1990 and continued to serve as its President and Chief Executive Officer until 1996.

Kathryn L. Munro, 57

Director Since 2005

Kathryn L. Munro has served as a director of the Company since April 2005. She is a principal of BridgeWest, LLC, a private equity investment company specializing in wireless technology companies. Ms. Munro was the Chairperson of BridgeWest from February 1999 until July 2003. From 1996 to 1998, Ms. Munro served as Chief Executive Officer of Bank of America's Southwest Banking Group and was President of Bank of America Arizona from 1994 to 1996. Ms. Munro has served on the boards of directors of Flow International Corporation, a Seattle-based manufacturer of industrial tools, since 1996; Pinnacle West Capital Corporation, the holding company of Arizona Public Service and Pinnacle West Energy, since 2000; and Capitol Bancorp Limited, a Michigan-based multi-bank holding company, since 2002.

Class I Director Nominee

Information concerning the nominee standing for election as a Class I director follows:

Richard J. Lehmann, 62

Director Since 2006

Richard J. Lehmann was appointed to the Board of Directors in February 2006. Mr. Lehmann serves as the founding principal of The Biltmore Bank of Arizona and is Chairman of Bank Capital Corporation, the holding company for the Bank. Until December 31, 1999, Mr. Lehmann served as Vice Chairman of Bank One, when it acquired FCNBC, creating the fifth largest bank in the United States, with responsibility for all consumer banking and credit card operations. Mr. Lehman's previous positions include Chairman and Chief Executive Officer of Valley National Bank. Prior to that, Mr. Lehmann spent 20 years with Citigroup in various positions, including 10 years in the International Division, with more than three years as a Senior Corporate Officer in Europe, the Middle East, and Africa. Mr. Lehmann also serves on the Board of Trustees at Thunderbird, The Garvin School of International Management and e-Funds Corporation and is active in various civic matters.

THE BOARD OF DIRECTORS UNANIMOUSLY RECOMMENDS A VOTE "FOR" EACH OF THE DIRECTOR NOMINEES.

CONTINUING DIRECTORS

Class I Directors

Certain information regarding our current Class I directors who were elected in 2005 for terms expiring at our 2008 Annual Meeting of Shareholders follows:

Donald A. Bliss, 73

Director Since 1995

Donald A. Bliss has served as a director of the Company since February 1995. Until his retirement in December 1994, Mr. Bliss was a Vice President and Chief Executive Officer of U.S. West Communications, a U.S. West company. Mr. Bliss also is a director of the Western and Southern Life Insurance Company, Continental General Insurance Company, the Biltmore Bank of Arizona, and Vodavi Technology, Inc. Mr. Bliss served as Chairman of the Western Region Advisory Board of AON Risk Services of Arizona, Inc. from October 2001 to February 2005.

Mark Scudder, 43

Director Since 1999

Mark Scudder has served as a director of the Company since November 1999. Mr. Scudder is a principal of Scudder Law Firm, P.C., L.L.O. ("Scudder Law Firm"), in Lincoln, Nebraska, and has been involved in the private practice of law since 1988. Mr. Scudder is also a member of the board of directors of Covenant Transport, Inc., a publicly held, long-haul trucking company, and Genesee & Wyoming Inc., a publicly held, international, short-line railroad.

Class III Directors

Certain information regarding our current Class III directors who were elected in 2004 for terms expiring at our 2007 Annual Meeting of Shareholders follows:

Kevin P. Knight, 49

Director Since 1990

Kevin P. Knight has served as our Chairman of the Board since May 1999 and has served as our Chief Executive Officer since 1993. He has been an officer and director of the Company since 1990. From 1975 to 1984 and again from 1986 to 1990, Mr. Knight was employed by Swift, where he served as Executive Vice President and President of Cooper Motor Lines, Inc., a Swift subsidiary. Mr. Knight serves on the Board of Directors of Universal Technical Institute, Inc., a provider of post-secondary education. Mr. Knight also serves on the Board of Directors and Executive Committee of the American Trucking Association.

Randy Knight, 57

Director Since 1989

Randy Knight has been a director of the Company since its inception in 1989. Mr. Knight served as an officer of the Company from 1989 until July 31, 1999, when he resigned as an officer of the Company. Mr. Knight served as Chairman of the Board from 1993 to July 1999. From 1985 to June 2004, Mr. Knight held a significant ownership interest in and served as Chairman of Total Warehousing, Inc. ("Total Warehousing"), a commercial warehousing and local transportation business located in Phoenix, Arizona. Mr. Knight sold his interest in Total Warehousing to a third party in June 2004. Mr. Knight was employed by Swift or related companies from 1969 to 1985, where he was a Vice President. Mr. Knight also is a director of the Biltmore Bank of Arizona.

Michael Garnreiter, 54

Director Since 2003

Michael Garnreiter became a director of the Company in September 2003. Since April 2002, Mr. Garnreiter has served as the Executive Vice President, Treasurer, and Chief Financial Officer of Main Street Restaurant Group, Inc. ("Main Street"), a publicly held restaurant operating company. Prior to joining Main Street, Mr. Garnreiter served as a general partner of Arthur Andersen LLP ("Arthur Andersen"). Mr. Garnreiter began his career with Arthur Andersen in 1974 after graduating with a Bachelor of Science degree in accounting from California State University at Long Beach. In 1986, he became the managing partner of Arthur Andersen's Tucson, Arizona office. Mr. Garnreiter is a Certified Public Accountant in California and Arizona.

Kevin Knight and Keith Knight, an executive officer of the Company, are brothers and are cousins of Randy Knight and Gary Knight, who also are brothers.

CORPORATE GOVERNANCE

Applicable Corporate Governance Requirements

Our Common Stock has been listed on the New York Stock Exchange (the "NYSE") since December 30, 2004, and therefore we are subject to the listing standards, including standards relating to corporate governance, embodied in applicable rules of the NYSE. Prior to listing on the NYSE, our Common Stock was listed on the Nasdaq National Market and we were subject to the listing standards, including standards related to corporate governance, embodied in applicable rules of the National Association of Securities Dealers, Inc. (the "NASD").

Corporate Governance Guidelines

Our Board of Directors has adopted corporate governance guidelines to further its goal of providing effective governance of the Company's business and affairs for the long-term benefit of our shareholders. A copy of the corporate governance guidelines is available free of charge on our corporate website at http://www.knighttrans.com/shareholders/corpgov/govguide.cfm, and is available in print to any shareholder who requests it. The Nominating and Corporate Governance Committee is responsible for periodically reviewing the corporate governance guidelines and recommending changes as appropriate to ensure the effective functioning of our Board of Directors and high quality corporate governance.

Code of Ethics

The Board of Directors has adopted a Code of Ethical Conduct that applies to all directors, officers, and employees of the Company. In addition, the Company maintains a Policy Governing Responsibilities of Financial Managers and Senior Officers (the "Financial Responsibilities Policy") that applies to our senior executive officers (Executive Vice President or above), Chief Financial Officer, Chief Accounting Officer, Controller, and any other employees who are responsible for the management of the Company's funds or for the operation and maintenance of the Company's financial accounting and reporting system. The Code of Ethical Conduct and Financial Responsibilities Policy include provisions applicable to the Company's principal executive officer, principal financial officer, principal accounting officer or controller, or persons performing similar functions, which constitute a "code of ethics" within the meaning of Item 406(b) of Regulation S-K. Copies of the Code of Ethical Conduct and Financial Responsibilities Policy are available free of charge on our website at http://www.knighttrans.com/shareholders/corpgov/CodeEthicalConduct.cfm and http://www.knighttrans.com/shareholders/corpgov/FinancialManagers.cfm, and are available in print to any shareholder who requests them.

The Board of Directors and Its Committees

Board of Directors

Meetings of the Board of Directors. During the year ended December 31, 2005, our Board of Directors met on four regularly scheduled occasions and held two special meetings. Each of the directors attended 75% or more of the meetings of the Board of Directors and the meetings held by all of the committees of the Board on which he or she served. In addition, the Company encourages its directors to attend its Annual Meetings of Shareholders. All nine of the Company's then-current directors attended the 2005 Annual Meeting of Shareholders.