University Transportation Centers & Libraries

Partnerships for Knowledge Network Development

Jason Bittner, Deputy Director
National Center for Freight & Infrastructure Research and Education
University of Wisconsin
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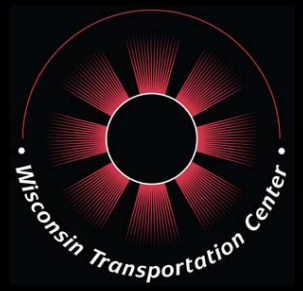
Presentation Highlights

- Overview of UTC Program
- Statistics
  - Trends in transportation information services
- Knowledge Economy
- Role of Training and Education
- UTCs and DOT Library Cooperation
- Opportunities & Next Steps

UTC Program

- 60 Centers
  - 10 regional,10 national, 10 Tier I
  - 22 Tier II
  - 8 Title III
- Research, Education, Training
- Diversity in Themes, Expertise, and Knowledge Needs



UTC Program

- Funding
  - $1:$1 Match
- Reporting Requirements
  - Published on Center's website in full text
  - Notify the Transportation Research Board (TRB) of the URL of the full text report so that the report may be indexed and abstracted in TRB's Transportation Research Information System (TRIS).
  - Transmit each report electronically to the National Transportation Library at librarian@bts.gov.
  - Distribute a total of 5 printed copies
    - Northwestern & UC Berkeley
    - NTIS
    - TRB
    - Volpe

Statistics from TR News

- Changing Nature of Transportation Information
- Journals
  - Engineers read fewer articles but spend more time reading each
  - 57 percent rely on University Library Collections
  - 22 percent noted ILL usage

Engineers & Scholarly Journals, *TR News,* July-August 2007

Statistics from TR News, cont

- Gauging Value
  - Current Awareness only 6.5%, 25% ORNL researchers
- Online vs Print
  - 80% read in print subscriptions
  - Less than ¼ of electronic articles were read online

Engineers & Scholarly Journals, *TR News,* July-August 2007

Knowledge Economy

- The number of people in the market economy doubled overnight
  - developing countries recognize the importance of world-class education
  - emulating the U.S. research university model
  - All will have access to the world's accumulated knowledge through the Internet
- Our present educational approach is not meeting the needs of today's students or our economy
  - Even if it were meeting those needs, it is not sustainable

Knowledge Economy

- Wisconsin Way
  - High Salary / Tech Economy
- CoE 2010
  - Technology acceleration and the fusion of disciplines
  - Global competition that transforms the educational landscape
  - Shifts in funding for sustaining public higher education

The engineer of 2020 will "**aspire** to have the

- **ingenuity** of Lillian Gilbreth,
- **problem-solving** skills of Gordon Moore,
- **scientific insight** of Albert Einstein,
- **creativity** of Pablo Picasso,
- **determination** of the Wright brothers,
- **leadership abilities** of Bill Gates,
- **conscience** of Eleanor Roosevelt,
- **vision** of Martin Luther King**, and**
- **curiosity and wonder** of [a child]."

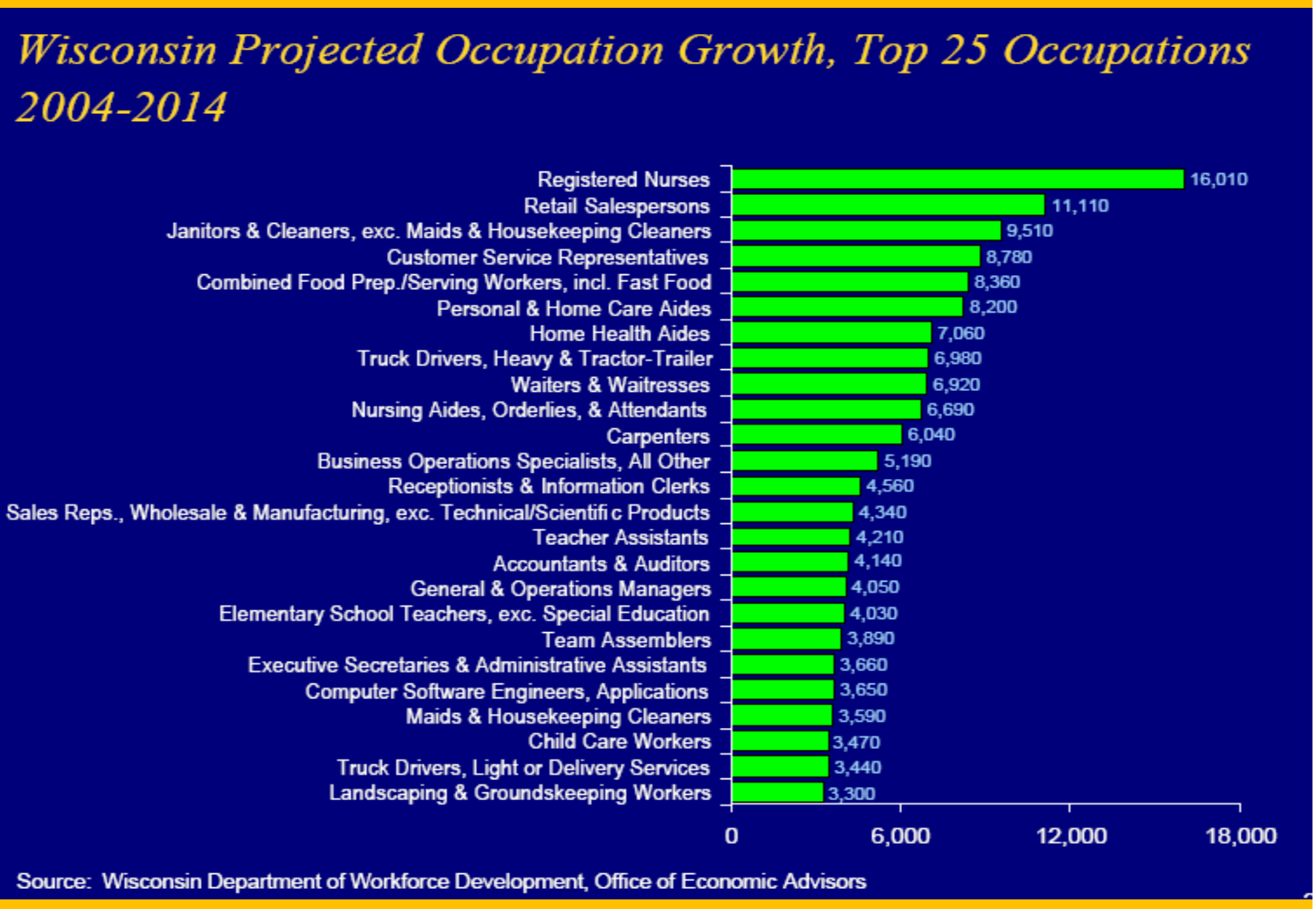
Midwest Regional University Transportation Center

National Center for Freight & Infrastructure Research & Education

CFIRE

Wisconsin Transportation Center

Wisconsin's Challenge



Role of Training and Education

- Wisconsin Way
  - 1% increase in Bachelor's Degree
  - Bachelor's degree earns an average of $51,554 a year compared to HS degree who earn an average of $28,654 a year.
  - Every 1% increase in the number of people with bachelor degrees increases taxable revenue by $256M

Current Examples of Partnerships

- CTRE / IA DOT
- CTS / MN DOT
- UW-Madison / WisDOT
- LSU / LA DOT

Opportunities

- Strong National Leadership
  - NTL
  - Turner Fairbank
- Matching Funding
- Tacit Knowledge
- Databases
  - Access & Integration
  - Data (not publications)
- Newsletters

Mantra

- What you permit, you promote
- What you allow, you encourage
- What you condone, you own

Will Rogers

- We can't all be heroes because somebody has to sit on the curb and clap as they go by