



## NCHRP 20-24(95) | Ensuring Essential Capability for the Future Transportation Agency | Resources

### NCHRP/TCRP Reports

NCHRP Report 829- Leadership Guide for Strategic Information Management for State Departments of Transportation  
<http://www.trb.org/Main/Blurbs/174182.aspx>

NCHRP Report 813- A Guide to Agency-Wide Knowledge Management for State Departments of Transportation  
<http://www.trb.org/Publications/Blurbs/173082.aspx>

NCHRP Report 693- Attracting, Recruiting, and Retaining Skilled Staff for Transportation System Operation and Management  
<http://www.trb.org/Publications/Blurbs/166342.aspx>

TCRP Report 162- Building a Sustainable Workforce in the Public Transportation Industry: A Systems Approach  
[http://www.tcrponline.org/PDFDocuments/tcrp\\_rpt\\_162.pdf](http://www.tcrponline.org/PDFDocuments/tcrp_rpt_162.pdf)

### Active Research

NCHRP 20-113A - Support for TRB Symposium on Transformational Technologies Affecting Transportation

Washington State Department of Transportation Knowledge Management

NCHRP 20-05/Topic 47-04 - Leveraging Technology for Transportation Agency Workforce Development and Training

NCHRP Project 20-104 - Capturing and Learning Essential Consultant-Developed Knowledge with Departments of Transportation

TCRP F-24 - Overcoming Barriers to Implementing Best and Innovative Training Practices for Public Transportation's Frontline Workforce

TCRP F-23 - Knowledge Management Resource to Support Strategic Workforce Development for Transit Agencies

NEXTRANS Purdue University - Region V Transportation Workforce Assessment and Summit

CSU Long Beach, National Center for Sustainable Transportation - Impact of Legislative Mandates on Transportation Workforce Capacity

### Foresight: NCHRP Report 750 Series: Informing Transportation's Future

**Volume 1:** Economic Changes Driving Future Freight Transportation (2014)

<http://www.trb.org/main/blurbs/168694.aspx>

**Volume 2:** Climate Change and the Highway System – Impacts and Adaptation Approaches (2014)

<http://www.trb.org/Main/Blurbs/169781.aspx>

**Volume 3:** Expediting Future Technologies for Enhancing Transportation System Performance (2014)

<http://www.trb.org/Main/Blurbs/170083.aspx>

**Volume 4:** Sustainability as an Organizing Principle for Transportation Agencies (2014)

<http://www.trb.org/Main/Blurbs/170762.aspx>

**Volume 5:** Preparing State Transportation Agencies for an Uncertain Energy Future (2014)

<http://www.trb.org/Main/Blurbs/170763.aspx>

**Volume 6:** The Effects of Socio-Demographics on Future Travel Demand (2014)

<http://www.trb.org/Main/Blurbs/171200.aspx>





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### Other Resources

ENO Center for Transportation- “Adopting and Adapting: States and Automated Vehicle Policy” (2017)  
<https://www.enotrans.org/etl-material/adopting-adapting-states-automated-vehicles/>

Desouza, Kevin C., Dawson, Gregory S., and Santiago, Bryce A- “Disrupting Work and Workers in the Age of Cognitive Computing Systems,” Brookings Institution Blog, April 26, 2017  
<https://www.brookings.edu/blog/techtank/2017/04/26/disrupting-work-and-workers-in-the-age-of-cognitive-computing-systems/>

Deloitte Consulting, LLP- Peter Viechnicki- “Understanding Millennials in Government: Debunking Myths about our Youngest Public Servants” (2016)  
[https://www2.deloitte.com/content/dam/Deloitte/pa/Documents/human-capital/201603\\_Pa\\_Millennials-in-govt.pdf](https://www2.deloitte.com/content/dam/Deloitte/pa/Documents/human-capital/201603_Pa_Millennials-in-govt.pdf)

MAASTO – “Workforce Diversity ‘Best Practices’” (2016)  
<http://www.maasto.net/documents/MAASTO-Workforce-Diversity.pdf>

Leonard, Kenneth M., Smith, Egan, and Gay, Kevin – “Developing the Workforce for a Connected Vehicle Future: USDOT’s Intelligent Transportation Systems Training Opportunities for Today and Tomorrow” (2016)  
<https://trid.trb.org/view.aspx?id=1426252>

Georgia Tech Research Corporation and Georgia DOT – “STEM and Our Future Transportation Leaders” (2016)  
[http://g92018.eos-intl.net/eLibSQL14\\_G92018\\_Documents/14-08.pdf](http://g92018.eos-intl.net/eLibSQL14_G92018_Documents/14-08.pdf)

NCHRP 20-24(99) – “CEO Peer Exchange on Agency Management and Emerging Issues” (2015)  
<http://apps.trb.org/cmsfeed/TRBNetProjectDisplay.asp?ProjectID=3816>

American Public Transit Association- “Creating Sustainable Human Capital Investment” (2012)  
<http://www.apta.com/resources/workforce/Documents/Creating-Sustainable-Human-Capital-Investment.pdf>

Public Technology Institute- Alan Shark- “Seven Trends that will Transform Local Government through Technology” (2012) <http://www.pti.org/library/7techtrends.asp>

Perkins, Dr. Robert A. and Dr. F. Lawrence Bennett- “Knowledge Transfer Needs and Methods.” Prepared for the Alaska University Transportation Center and the Alaska Department of Transportation (2012)  
<http://ine.uaf.edu/autc/files/2013/07/510009.Perkins.-FINAL.pdf>

California Department of Transportation- “Knowledge Transfer Guidebook”  
[http://www.dot.ca.gov/docs/ct\\_knowledge\\_transfer\\_guidebook.pdf](http://www.dot.ca.gov/docs/ct_knowledge_transfer_guidebook.pdf)

ADP Research Institute- “Employee Satisfaction vs. Employee Engagement: Are They the Same Thing?”  
<https://www.adp.com/~media/RI/whitepapers/Employee%20Engagement%20vs%20Employee%20Satisfaction%20White%20Paper.ashx>

### Infographics

State and Local Workforce- <http://slge.org/wp-content/uploads/2017/03/CSLGE-WorkForceTrendsfinal.pdf>

Succession Planning- <http://slge.org/wp-content/uploads/2016/10/Infographic-Succession-Planning-in-State-and-Local-Government.pdf>

