

Expanding the TransportationWorkforce

City Engineers Association Conference
Thursday, January 27, 2022

Today's Agenda

LRRB Projects

- Expanding the Transportation Workforce
- Workforce Planning and Human Resource Development
 Strategies for Minnesota's Public Transportation Agencies

Additional Workforce-related Activities

- Local Agency Transportation Internship Program
- New: Civil Tech Certificate Program

Other Opportunities

- NEW trainings
- Technical instructors





ETW: Purpose

Help local agencies fill open positions!

Recruit, retrain, and retain in the short-term

Promote career opportunities in the long-term

ETW: Products

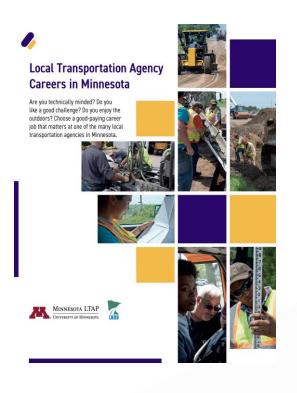
Career Brochure

Community Outreach and Communication Guide

Recruitment Toolkit

Training Roadmap for Civil Techs

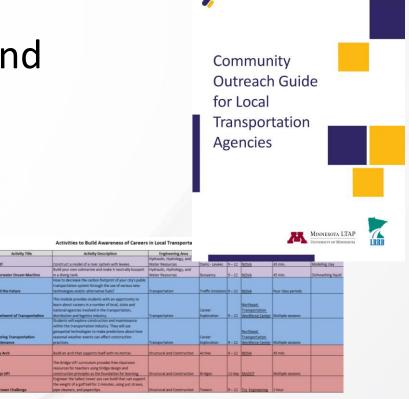
ETW: Career Brochure



- Build awareness
- Specific to transportation careers in local agencies
- Benefits of working for a local agency
- Profile different types of careers

ETW: Community Outreach Guide

- Support local agencies in community outreach around transportation careers
- Tools, tips, strategies
- Spreadsheet with LOTS of activity ideas



Expanded Become a Civil Engineer website

ETW: Recruitment Toolkit

- Broaden the reach and impact of job postings
- Sample job descriptions
- Tips for marketing through social media

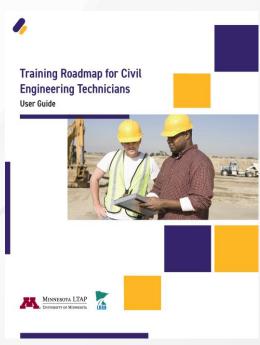
 Resources to connect with new audiences



ETW: Training Roadmap for Civil Technicians

Help Supervisors/employees identify and plan training needs

- Customizable spreadsheet
- Companion User Guide
 - Tips for supervisor/employees
 - OJT success factors
 - Local agency case studies

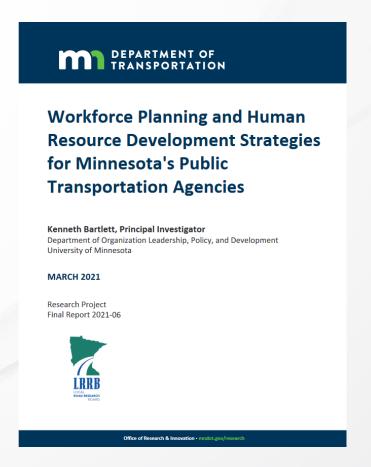


All materials are FREE

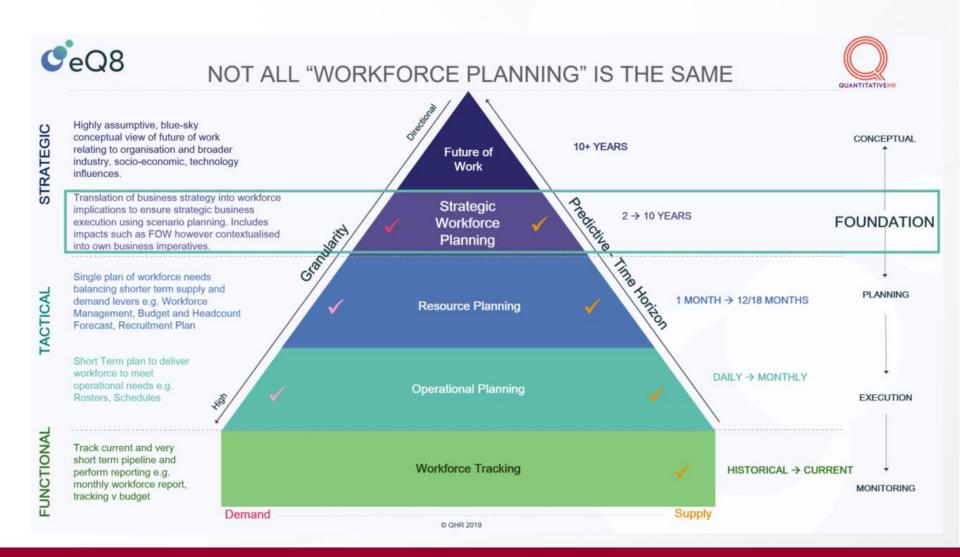
mnltap.umn.edu/workforce

Research Project: Workforce Planning for Public Agencies

- Explored causes for workforce shortage in MN public transportation industry
- Proposed human resource strategies



Strategic Workforce Planning



Recommendations



Capitalize on MnDOT strength with HR systems to other agencies* (where possible)



More awareness – marketing of career options to new populations of future workers



Realistic expectation for job description (clear and realistic expectations or job and skill requirements)



Minimize red tape when possible



Mentoring programs



Succession planning programs



Investment in development and implementation of knowledge management systems

Strategic Workforce Planning: Tips and Tools for Local Transportation Agencies



February 17 9:00-10:00am

Internship Program

mnltap.umn.edu/training/internship

- Job postings accepted through Feb 15
- Will begin marketing with students later this month
- Expanded marketing this year: technical and community colleges



Civil Tech Certificate Program

Level I Coming July 2022



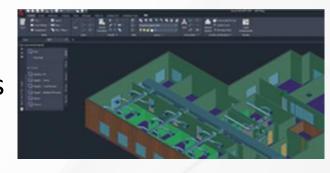
- Continue building career pathways
- Levels align with Civil Technician positions (skill requirements/responsibilities)
- Levels comprised of workshops/courses and certifications (MnDOT & Industry)

New Trainings

Roadway Design Using AutoCAD and Civil 3D

- AutoCAD Skills and Construction Concepts (instructor-led)
- Introduction to Roadway Design (selfpaced)
- Civil 3D Practical Application (instructorled)

Work- Zone Safety Orientation (self-paced)





Other Resources Available Today

PPE pocket guide

Mousetrap/OPERA posters

Stay Connected!

mnltap.umn.edu

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