



A NORTH AMERICAN ROAD SAFETY PROFESSIONAL (RSP) CERTIFICATION

Paul Lorton, P.E.
State Safety Engineer
Bureau Chief, Safety Programs and Engineering
Illinois Department of Transportation

Outline

- Transportation Professional Certification Board (TPCB) Background
- Defining a Road Safety Professional (RSP)
- RSP Certification
 - Goals
 - Concept
 - Development Process
 - Level 1
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 - Current Status

Transportation Professional Certification Board (TPCB)

- Established in 1998 to provide the mechanism to create and administer professional certifications in transportation
- Michael Park, President, TPCB BOD
- Jeff Paniati, TPCB, Executive Director



TPCB

- Existing Certifications:
 - Professional Transportation Operations Engineer (PTOE)
 - Established in 1999; 3,200+ certificate holders
 - Enhanced the standing of those practicing in the traffic operations field
 - Professional Transportation Planner (PTP)
 - Established in 2007; 400+ certificate holders
 - Administered by Castle Worldwide, Inc. – a certification and licensure testing company



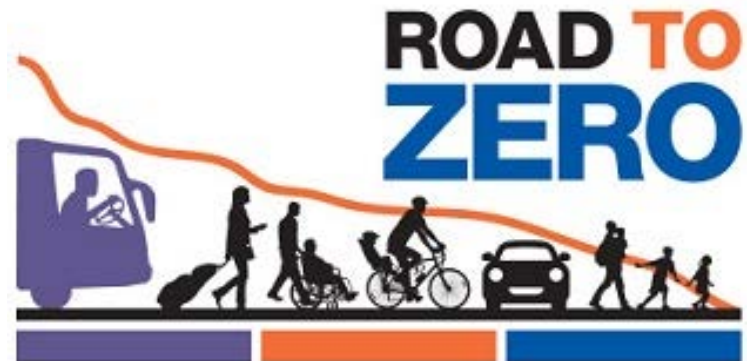
Road Safety Professional (RSP) Certification Development

The Institute of Transportation Engineers (ITE) and TPCB are now taking a similar leadership position in developing a new road safety professional (RSP) certification.

Road safety is practiced by many but often without a full understanding of the multidisciplinary nature of the field or the depth of knowledge needed to ensure a high level of proficiency in decisions that impact the traveling public's safety.

Road Safety Professional (RSP) Certification Development (cont.)

With the United Nations' *Decade of Action on Road Safety* and the emergence of *Toward Zero Deaths*, *Vision Zero*, and *Road to Zero* efforts, now is the time for action.



RSP Certification Development

A Collaborative Effort:

- US/Canada
- FHWA/Roadway Safety Foundation (RSF)/TPCB

RSP Certification Steering Committee:

- *AASHTO (Priscilla Tobias)*
- *GHSA*
- *ITE*
- *Education Community*
- *TRB*
- *AAA Foundation for Traffic Safety*
- *TAC*
- *CARSP*
- *Transport Canada*
- *CCMTA*

What do we mean?

A road safety professional...

- **Is a professional that during a typical work day makes decisions that directly or indirectly impact the future frequency and severity of traffic collisions and**
- **Knows how to explicitly consider it (and quantify, when possible) and reduce negative safety impacts**



RSP Certification Overarching Goal

Ensure that those charged with protecting the lives of the traveling public can:

- Demonstrate the requisite knowledge of road safety and
- Serve as a catalyst for greater attention to road safety in university curriculum and through continuing education

The Goals of an RSP Certification

- Recognize road safety as a profession
- Create incentive for academia to expand on road safety formal learning
- Identify core and advanced competencies
- Establish a recognized level of practice and knowledge

The Goals of an RSP Certification (cont.)

- Provides a mechanism for continuing education
- Provides a mechanism for professionals to gain road safety knowledge outside their main area of practice



The Concept – A Multidisciplinary Model

- **Business Model**
 - **Application**
 - Target Audience
 - Minimum combinations of education and experience
 - **Certification**
 - Testing required knowledge and competencies
 - **Credentialing**
 - **Recertification (every x years)**
 - Continuing education requirement

TPCB Path to Certification



Level I RSP

- Professionals involved in road safety, such as those involved in:
 - Planning, design, construction, maintenance, operation, or management of roadways
 - Motor vehicle safety
 - Policy making
 - Developing and implementing behavior programs
 - Enforcement and education of the users of these roadways
 - Emergency response, on-scene care, and collision/crash reconstruction

Level I RSP

- This certification would signify certificate-holder
 - Has a minimum number of years of experience
 - Has passed a comprehensive exam that demonstrates foundational knowledge of the multidisciplinary dimensions of road safety
 - Is maintaining and enhancing that safety knowledge through continuing education



Level 2 RSP

- Professionals whose **primary** focus is in the practice of the road safety profession.
- This exam will be aimed at transportation professionals responsible for developing and implementing engineering or behavioral programs aimed at reducing the number of fatalities and injuries due to road crashes.

Level 2 RSP

- This certification would signify certificate-holder
 - Has completed the requirements for Level 1
 - Has passed 2nd exam which demonstrates a deeper level of understanding and proficiency in the application of the science of road safety
 - Having mandatory core components and optional components depending on the focus of the individual's safety practice

The Development Process

- Finalize agreement between FHWA/RSF/TPCB
- RSP Steering Committee to:
 - *Create content outline*
 - *Establish the scope of professionals eligible for the certification*
 - *Identify subject-matter experts (SMEs)*
 - *Oversee the development/implementation process*
- Develop the exam following an industry-standard, structured, 9-step development process that typically takes 18 months (Castle and SMEs)
- Administer the RSP certification program. Once established, the RSP will be overseen by the TPCB Board and funded through exam and renewal fees

Current Status

- Formal proposal submitted to the Roadway Safety Foundation (RSF) to access the funding that FHWA has committed to support this effort
- For Level I RSP , the Steering Committee has:
 - Created content outline
 - Established the scope of professionals eligible for the certification
 - Identified SMEs
- Development of the Level I RSP is underway following an industry-standard, structured, 9-step development process

Current Status-Level I RSP

- Team of 13 SMEs that has an excellent mix of Federal/State/local/academia and private sector experience, including 5 members of the Steering Committee.
- SMEs will be working to fully delineate the competencies – domains, subdomains, tasks, knowledge and skills - for the minimally competent Level I RSP.
- The first exam is anticipated in **October 2018**

Current Status-Level 2 RSP

- Working on securing additional funding to support the development of the Level 2 RSP
- Development of Level 2 RSP is expected to start in early 2018 and be available in **2019**

For Illinois

- What does this possibly mean?
 - Incorporate RSP into IDOT job descriptions as “desirable” criteria
 - Require RSP for Consultant Prequalification in the Category of Safety



Questions?