AASHTO TCEED
Joint Technical Committee for Electronic Engineering Data

Promoting Data Interchange Standards for Transportation
AASHTO TCEED

- Established by SCOH in October 2007
- Inaugural meeting April 2009

Goals and Objectives
- Develop, publish and maintain standards for sharing highway electronic engineering data
- Develop and publish guidance related to the sharing of engineering data
- Share practices
- Provide a forum for industry input and information exchange
- Promote TransXML
TCEED Members

- **Bridges/Structures**
  - Loren Risch, KDOT
  - Keith Fulton, WyDOT
  - George Conner, ALDOT
  - vacant

- **Design**
  - Michael Balbierer, DelDOT
  - Jeff Jasper, KTC
  - Kent Nicholson, Iowa DOT
  - Jesus Mora, CalTrans

- **Construction**
  - Victor Barbour, NCDOT
  - George Raymond, OKDOT
  - vacant
  - vacant

- **Info Systems**
  - George Kopp, MoDOT
  - Bret Blair, KTC
  - vacant
  - vacant
XML – A Brief Explanation

- eXtensible Markup Language

- Data that used to look like this...

  123456789SMITH  JOHN  03115716  KINGMAN  RD024616175276933
  019446301CIAMBOTTIBONITA04175316  KINGMAN  RD024616175276933
  126321091NEUMANN  LANCE  010162100CAMBRIDGEPDR021406173540167

- Now looks like this:

```xml
<Person>
  <SocialSecurityNumber> 123-45-6789 </SocialSecurityNumber>
  <Name>
    <LastName> SMITH </LastName>
    <FirstName> JOHN </FirstName>
  </Name>
  <DateOfBirth> 03/11/1957 </DateOfBirth>
  <TelephoneNumber> 617-527-6933 </TelephoneNumber>
</Person>
```
TransXML Project History

- Initiated by AASHTO’s Technical Applications and Architecture (TA&A) Task Force

Driving Forces:

- Support for data exchange standards within DOT community
- LandXML success – sharing of road design info
- AASHTOWare migrating to XML for data exchange in all products
- Desire to fill gaps in multiple fragmented XML efforts

NCHRP Project 20-64 created with a $500,000 budget

- Began work March 2004, completed in 2006

www.TransXML.org
Ballot Item 49 - Proposed Resolution Seeking:

- SCOBS agreement to support and endorse TransXML as the **basis** for **development** and **expansion** of future schemas

- SCOBS agreement to review the bridge and structure portion of proposed future schemas for **approval** and **adoption** as AASHTO standards
Closing Thoughts

- **Proposed Resolution Does NOT**
  - Ask SCOBS to adopt TransXML as the standard
  - Ask SCOBS to adopt any specific current XML schema
  - Ask SCOBS to rubber stamp any future schemas proposed as a standard

- **TCEED will develop standard schemas for AASHTO Standards**

- **Does SCOBS want to have a voice in the establishment of the bridge and structure schemas within those standards?**