It’s just a bus – right?
Real-time Passenger Information System – interface to CAD/AVL system

On-board antenna/GPS – interface to CAD/AVL system

Passenger entrance and exits – human factors and ADA analysis

Bus driver, new training and skills to operate technology – organizational change needed

On-board fare collection – interface to fare payment system

Bus maintenance – consideration of asset management and risk-based maintenance

Passenger with smart phone – interface to agency data

Physical interface with station design and architecture

Automatic passenger counting system – provides data to planning stakeholders
Planning, designing or implementing complex systems?

Integrating new technology and software with legacy systems?

Working on projects that involve multiple engineering disciplines?

Managing multiple, sometime conflicting, stakeholder expectations?

Delivering projects that involve organizational change or business process re-engineering?
The Transportation Working Group

Mission statement
To promote the development and tailored application of Systems Engineering best practices to ground transportation systems: with emphasis on roadways, rail, bus and metro

Established in 2006
Over 250 members in 10 countries

Members include
- Federal/national governments
- Public agencies
- Suppliers
- Consultants
- Academia
The Transportation Working Group

*Webinars* – every 3-4 months

*Newsletters* – next one this Spring

*SE guides* – 101 on your seats, 102 due out this summer
The Transportation Working Group

14 case studies – could you share your story?

TWG LinkedIn – join the community

TWG website – new website on its way
Introducing... *Systems Engineering*

- A process
- A philosophy
A process

A philosophy