DESIGNING IN CONTEXT OF COMPLETE STREETS

INTRODUCTION
Module 1
INSTRUCTORS

- Peter Eun
  - FHWA Resource Center Safety & Design TST
  - peter.eun@dot.gov

- Margaret Kupilins, PE
  - VHB
  - mkupilins@vhb.com

- Steve Ratke, PE
  - FHWA TX Division
  - Stephen.ratke@dot.gov
Please tell us:

- Your Name
- Organization
- In one sentence (no run on) state what you want to get out of this class.
“It is not the answer that enlightens, but the question.”

– Eugene Ionesco

“A wise man can learn more from a foolish question than a fool can learn from a wise answer.”

– Bruce Lee

“It is better to debate a question without settling it than to settling a question without debating it.”

– Joseph Joubert
A QUICK REVIEW
A Complete Street is safe, comfortable & convenient for travel via automobile, foot, bicycle, & transit
COMPLETE STREETS POLICIES PROVIDE FOR ALL USERS
WHAT IS A COMPLETE STREETS POLICY?

Ensures that the entire right-of-way is designed for all users
WHAT IS A COMPLETE STREETS POLICY?

Make the needs of all users the default:

- No need to prove ped, bike and transit facilities are needed
- Rather, it’s assumed they're needed unless proven otherwise
To shift transportation investments
Create better streets opportunistically
- Planning
- Construction
- Operations, and
- Maintenance activities
AN IDEAL COMPLETE STREETS POLICY

1) Sets a vision
2) Includes all users and modes
3) All projects and phases
4) Clear, accountable exceptions
5) Connected network
6) Other Jurisdictions, involved in the process
7) Inclusive design guidelines - flexible
8) Is context-sensitive
9) Sets performance measures
10) Includes implementation steps
One size doesn’t fit all:

- Complete Streets doesn’t mean every street has sidewalks, bike lanes and transit

There is no magic formula
THE MANY TYPES OF COMPLETE STREETS

Shoulders on Rural Roads
THE MANY TYPES OF COMPLETE STREETS

A Slow-Speed Shared Street
Neighborhood Commercial with Mid-Block Crossing
THE MANY TYPES OF COMPLETE STREETS

High Density Neighborhood with Mid-Block
THE MANY TYPES OF COMPLETE STREETS

Historic Main Street
THE MANY TYPES OF COMPLETE STREETS

Transit Route on an Urban Arterial
THE MANY TYPES OF COMPLETE STREET

High Density Neighborhood with One-way Protected Bike Lane, Parking and Sidewalk
A Two-Way Protected Bike Lane through Downtown
THE MANY TYPES OF COMPLETE STREETS

A Natural Drainage System as Part of a Complete Street
QUESTIONS
GROUP EXERCISE PART 1

Group 1 - Commerce
Group 2 - Commerce
Group 3 - Malone
Group 4 - SH199 150’
Group 5 - SH199 120’
Group 6 - SH199 120’
GROUP EXERCISE 20 MINUTES

- Provided
  - Existing information packet
  - Streetmix Cross Section
- Do a Street View drive through
- What additional information would you like?
- Discuss initial Complete Streets Design
- Use Streetmix for initial design concepts
- Write down assumptions made