**Integrating Bicycle & Pedestrian Topics into Transportation Courses**

**June 18-19, 2015**

ITS Lab, Suite 315 of Engineering Building
1930 SW 4th Ave.
Portland, OR 97201

**AGENDA**

**THURSDAY, JUNE 18** Breakfast, lunch and snacks will be provided.

8:00 am Check-in and Breakfast

8:30 am Introductions and Workshop Overview  
*(Chris Monsere/Jennifer Dill, Portland State University)*
Participants will each give a brief self-introduction, describing what you currently teach, challenges experienced in integrating bicycle and pedestrian topics into your courses, what you are hoping to gain from the workshop and how they plan to apply outcomes in your coursework next year.

9:15 am A Brief History of PSU Bicycling and Pedestrian Related Courses *(Chris Monsere/Jennifer Dill, Portland State University)*
How did we evolve our curriculum to include these courses? A quick review of the PSU’s history of planning and design for pedestrians, cyclists and city-university partnerships, and an interactive discussion of PSU’s current class on bicycle and pedestrian planning and its experiences in incorporating pedestrian and bicycle topics into planning methods courses.

9:40 am Active Transportation Planning Topics, Course and Module Development *(Dru Van Hengel, Nelson Nygaard)*
Participants will learn about the important elements of an active transportation course, teaching modules, and potential bicycle and pedestrian planning topics.

10:30 am Break

10:45 am Planning Course Curriculum Demonstration *(Dru Van Hengel, Nelson Nygaard)*
Participants will participate in an active hands-on exercise that will reinforce one of the topics discussed. The activity may include trip generation, routing exercise or use of gaming.

11:30 pm Lunch (provided). Get bike rentals.

12:30 pm Lessons from a Practicing Engineering Professional *(Peter Koonce, City of Portland)*
Traditional transportation principles for planning and engineering auto-oriented communities are not necessarily the best designs for active transportation. Learn how to reorient practices to design and engineer communities to be more friendly to active transportation.

2:15 pm Break. Prepare for field tour.
2:30 pm  Field Tour (on bicycle) (Peter Koonce, City of Portland)
Get out of the classroom and onto bikes to understand how the lessons you teach are implemented in the field. A field tour is a great way for participants to experience first-hand how the theoretical underpinnings of classroom teaching relates to the real-world. Many opportunities to take photos for your own lectures.

5:30 pm  Informal Social Hour

FRIDAY, JUNE 19

7:30 am  Breakfast (provided)

8:30 am  Bicycle and Pedestrian Planning Lab (Mike Rose and Nick Falbo, Alta Planning+Design)
Learn about PSU’s experiential planning course that allows participants to apply classroom learning and exposes participants to real-world design issues. Learn how to structure a lab, learn about sample projects, and lessons learned to better design an experiential course.

9:30 am  Bicycle and Pedestrian Traffic Monitoring (Krista Nordback, Portland State University)
Traffic monitoring programs are increasingly important for agencies to understand the active transportation needs of their communities. Learn about methods for factoring and estimating AADT, get an overview of counting technologies, and learn about data collection challenges.

10:00 am  Bicycle and Pedestrian Traffic Monitoring Field Exercise (Krista Nordback, Portland State University)
Participants will get a chance to participate in a traffic counting exercise that can be directly incorporated into your curriculum.

10:30 am  Break

10:45 am  Pedestrian and Bicycle Engineering Topics, Course and Module Development (Chris Monsere, Portland State University)
An overview presentation of the key topics and reference documents for developing a course in to cover bicycle and pedestrian engineering topics. As part of the session, we help participants identify resources for design guidance, highlighting resources for developing lectures, a sample reading list, sample homework, project assignments, and in class activities. Engineering topics covered may include shared use paths (elements of design and users and conflicts), design characteristics of the bicyclist, segment-level facilities, intersection facilities, traffic operations at signals, signing and marking, parking, and bicycle sharing.

12:00 pm  Lunch (provided)

1:00 pm  Plan Review Session of Active Transportation Corridor (Chris Monsere, Portland State University)
Participants will participate in a sample in-class activity to review and critique a set of plans modifying a street to accommodate bicycles (with heavy transit and vehicle use).
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<th>Time</th>
<th>Event</th>
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<tr>
<td>1:45 pm</td>
<td><strong>Pedestrian Environment Field Exercise (Chris Monsere, Portland State University)</strong>&lt;br&gt;A demonstration of a class exercise that includes a short walking tour around the PSU campus demonstrating a possible field exercise that includes measuring pedestrian facilities such as crosswalks and ramps. Many opportunities to take photos for your own lectures.</td>
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<td>2:30 pm</td>
<td>Break</td>
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<td>2:45 pm</td>
<td><strong>Workshop Summary and Wrap-Up (Chris Monsere/Jennifer Dill, Portland State University)</strong>&lt;br&gt;Participants will have an opportunity to discuss what you will take away from the workshop, how you plan to change curriculum, resources you will add or discontinue, and address any other remaining topics. Instructors will explain plans to follow up with participants in the coming year.</td>
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