



**NW Bethany Boulevard  
(NW Bronson Road to West Union Road)**

**Design 101 Public Workshop  
Agenda**

**August 5, 2010, 5:00 to 7:30 p.m.  
PCC Rock Creek, Bldg 7, Room 121**

- 5:00 p.m.      **Welcome and Opening Remarks (CPO7)**
- 5:05 p.m.      **Introduction (Matt Costigan, Washington County and Leslie Howell, Howell Consulting)**
- Introduce project team members
  - Review agenda: Purpose of tonight's meeting
  - Question for participants: What do you want to achieve by being here tonight?
- 5:15 p.m.      **Roadway Design Standards (Wayne Bauer, WHPacific)**
- Washington County Design standards
  - AASHTO Design requirements
  - Design Exceptions process
  - Engineering Terms and Definitions
- 5: 25 p.m.      **Roadway Horizontal Design Tools (Wayne Bauer and Ken Rehms, WHPacific)**
- Design lane width requirements (travel, turn and bike lanes, and sidewalks)
  - Design speeds: Posted versus design
  - Sidewalk locations: Curb tight/ planter strips
  - Medians/ median curbs/ access control
  - Utility locations
  - Retaining wall and sound wall locations
  - Turn lane/ storage requirements
  - Lane tapers: add versus drop
  - Clear zone requirements
  - Turn movements/mobility
- 5:50 p.m.      **Roadway profile design (Ken Rehms, WHPacific)**
- Sight distance requirements
  - Intersection and driveway grading
  - Vertical curve design
  - Retaining wall needs to minimize impacts

- 6:10 p.m.      **Other Design Considerations (Ken Rehms, WHPacific)**
- Utility impacts and relocation due to profile
  - Storm drainage system
  - Water quality system location and alternatives.
- 6:20 p.m.      **Roadway Design Requirements (Ken Rehms, WHPacific)**
- Existing Roadway Conditions**
- Review right-of-way and existing lanes
  - Review traffic information: existing and projected
- 6:30 p.m.      **Brainstorming Work Session (Wayne Bauer – Lead, WHPacific, All)**
- Break into 3 groups with one staff facilitator focusing on:
    - Bronson Intersection (south and north)
    - Oak Hills Drive Intersection (south and north)
    - West Union Drive Intersection and south
  - Sketch ideas for possible solutions using provided maps and basic design tools:
    - Aerial photo of entire project
    - Enlargement of three sections listed above
    - 11"x17" plans
    - Curve templates for 35 MPH design speeds
    - Transition templates for tapers
    - Typical 3-lane, 4-lane, 5-lane cross section templates
    - Pens, pencils, tracing paper, etc.
- 7:10 p.m.      **Group Summary and Discussion (Leslie Howell, Howell Consulting)**
- Each group to present their proposed solution ideas to the big group
  - Discussion
- 7:25 p.m.      **Closing Remarks (Matt Costigan, Washington County and Leslie Howell, Howell Consulting)**
- Next steps