

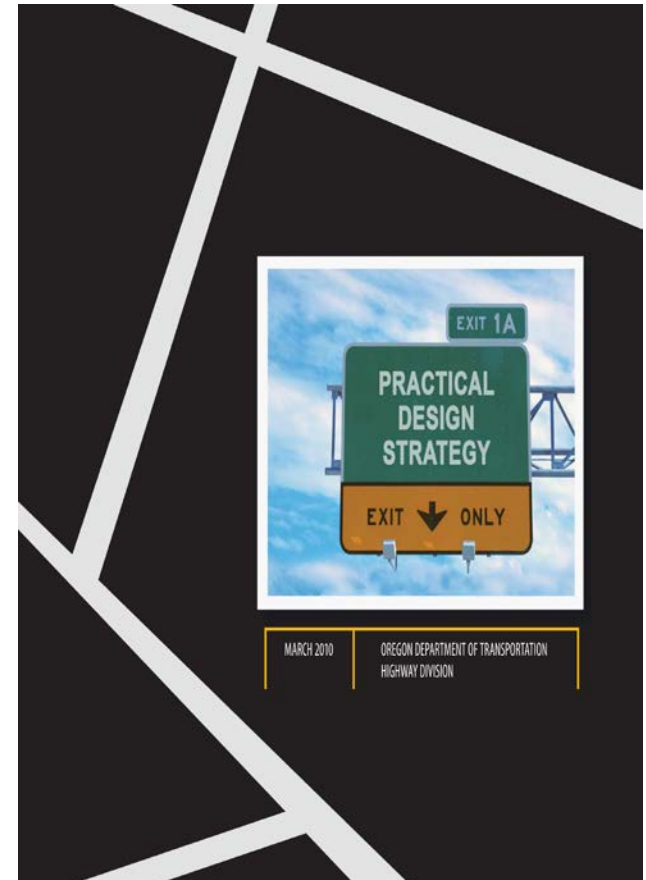


Technical Applications - Practical Design in ODOT

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ACEC/ODOT
6th Annual
Partnering
Conference

April 27, 2011





Technical Applications – Practical Design in ODOT

Today's Practical Design Panel:

Region 1: Andrew Johnson (R1 Major Projects Manager)

Region 2: Carol Cartwright (R2 Interim Technical Center Manager)

Region 3: James Burford (R3 Bridge and Roadway Engineering Manager)

Region 4: Jon Heacock (R4 Technical Center Manager) and **Ted Stewart** (Senior Transportation Engineer with David Evans and Associates)

Region 5: Tom Wallace (R5 Technical Center Roadway Manager)



Last Year – 2010 ACEC/ODOT

Cathy Nelson's presentation last year:

Why Practical Design?

- Recognize need to stretch scarce resources
- Comply with Legislation
- HB 2001 (JTA) required ODOT to implement Practical Design standards:

“incorporate maximum flexibility in application of standards that reduce the cost of project delivery while preserving and enhancing safety and mobility.”



Last Year – 2010 ACEC/ODOT

Cathy Nelson's presentation last year:

Goal #1

- Direct available dollars toward activities and projects that ***optimize the highway system*** as a whole

Goal #2

- Develop solutions to address the ***purpose and need*** identified for each project

Goal #3

- Design projects that ***make the system better, address changing needs, and/or maintain current functionality by meeting, but not necessarily exceeding, the defined project purpose and need and project goals.***



Implementing Practical Design: the Key Values



Safety

Corridor Context

Optimize the System

Public Support

Efficient Cost

- **Defining / Documenting / Delivering the “Right” Solution**
- **The Right Project, at the Right Time, the Right Cost, the Right Way**
- **The Project Charter**



Project Charters

With Practical Design, Project Teams need clarity in what they're being assigned to do, including the range of absolutes or flexibilities in meeting needs and expectations.

- Project Description-Purpose and need
- Project parameters
- Expected outcomes
- Roles & responsibilities & authorities
 - Project sponsors, team members, etc.



Practical Design - Progress

April 2010 – Direction to begin applying Practical Design concepts to projects

May 2010 – ODOT's Practical Design website implemented.

http://www.oregon.gov/ODOT>HWY>TECHSERV/practical_design.shtml

Practical Design Strategy document

May through October 2010 – 475 ODOT technical and professional employees trained in practical design



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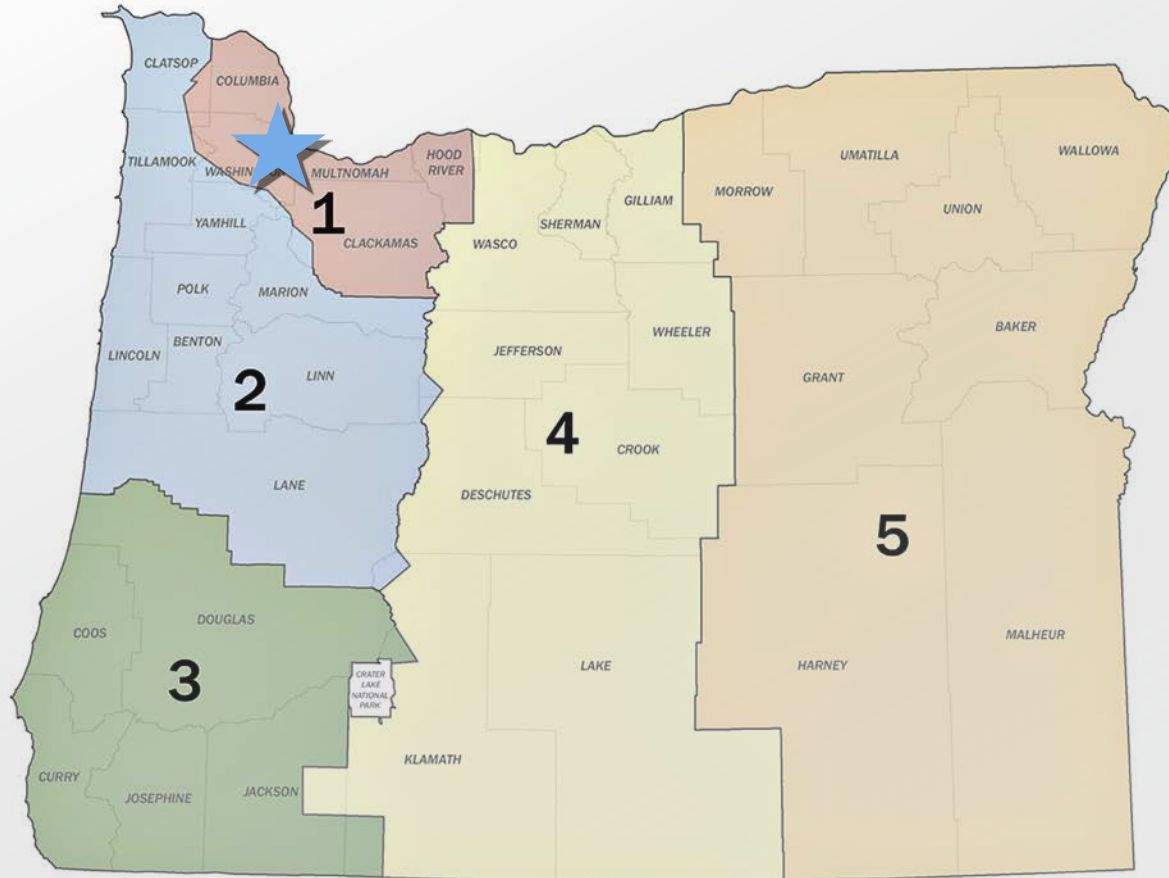
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Region 1 : US 26 Glencoe Rd

By: Andrew Johnson
Region 1 Major Projects

