



Agile-like Methodology

A Unique Project at the Oregon
Department of Transportation

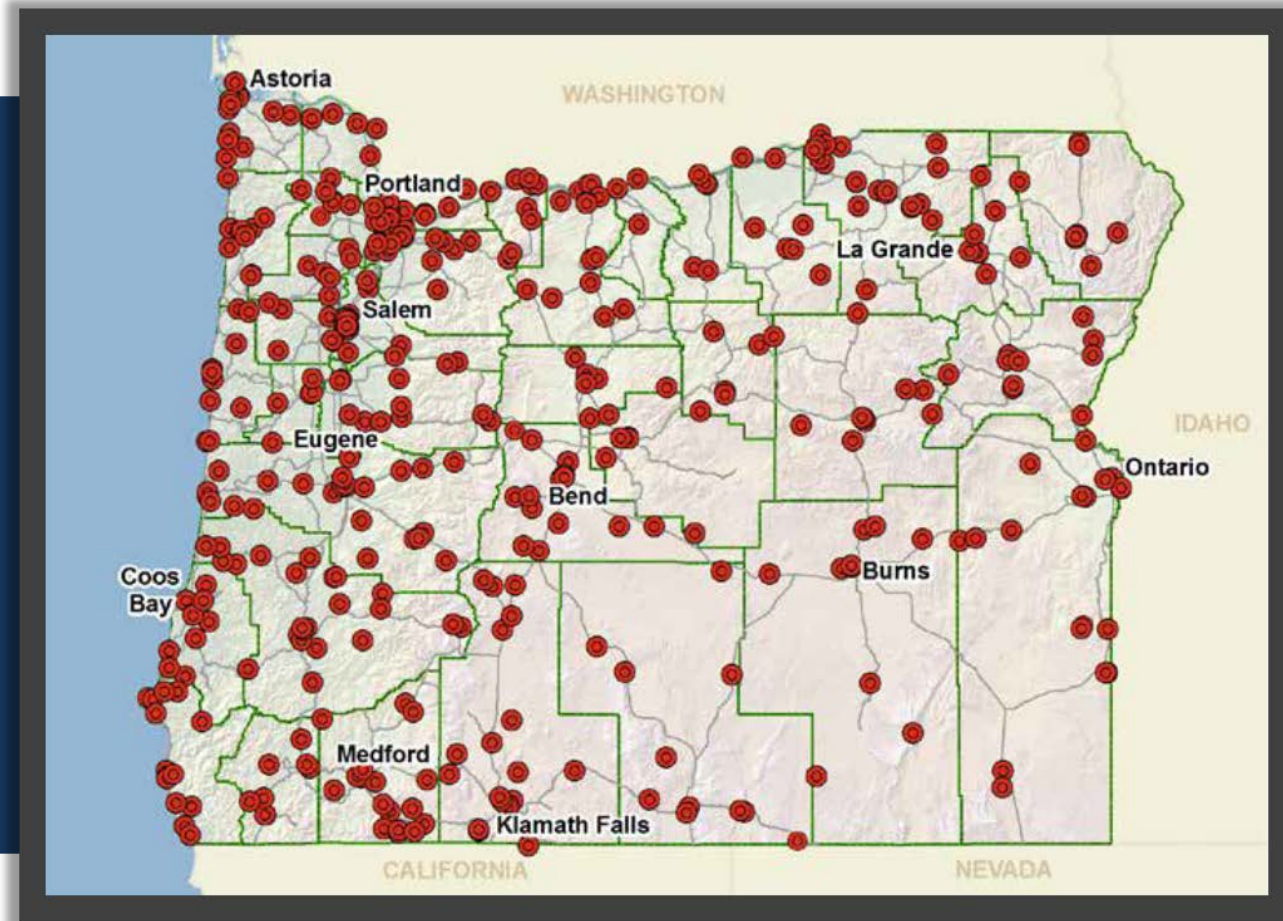
Northwest Transportation Conference

Presented by: Dick Upton, ODOT Engineering Automation Manager

March 2018



State Radio Project



State Radio Project

July, 1 2011.....June 30, 2017

164 Sites Built or Rebuilt
134 Microwave Installations
134 Network Installations
5,581 Hand-Held and Mobile Radios
22 Limited Service Consoles
67 Dispatch Consoles
184 System Monitors



\$175.1 million



Manifesto for Agile Software Development

We are uncovering better ways of developing software by doing it and helping others do it. Through this work we have come to value:

Individuals and interactions over processes and tools

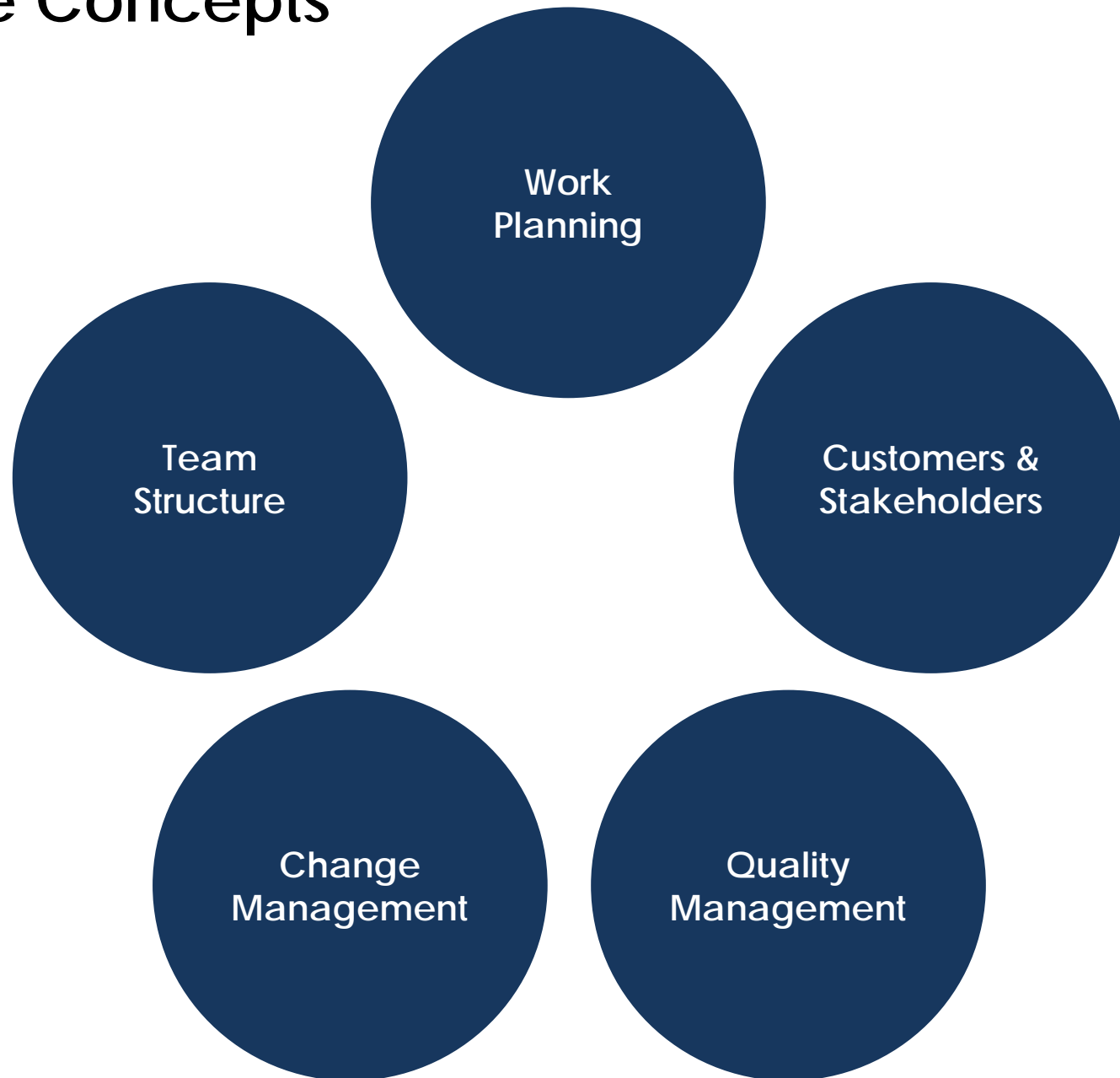
Working Software over comprehensive documentation

Customer Collaboration over contract negotiation

Responding to change over following a plan



Agile Concepts



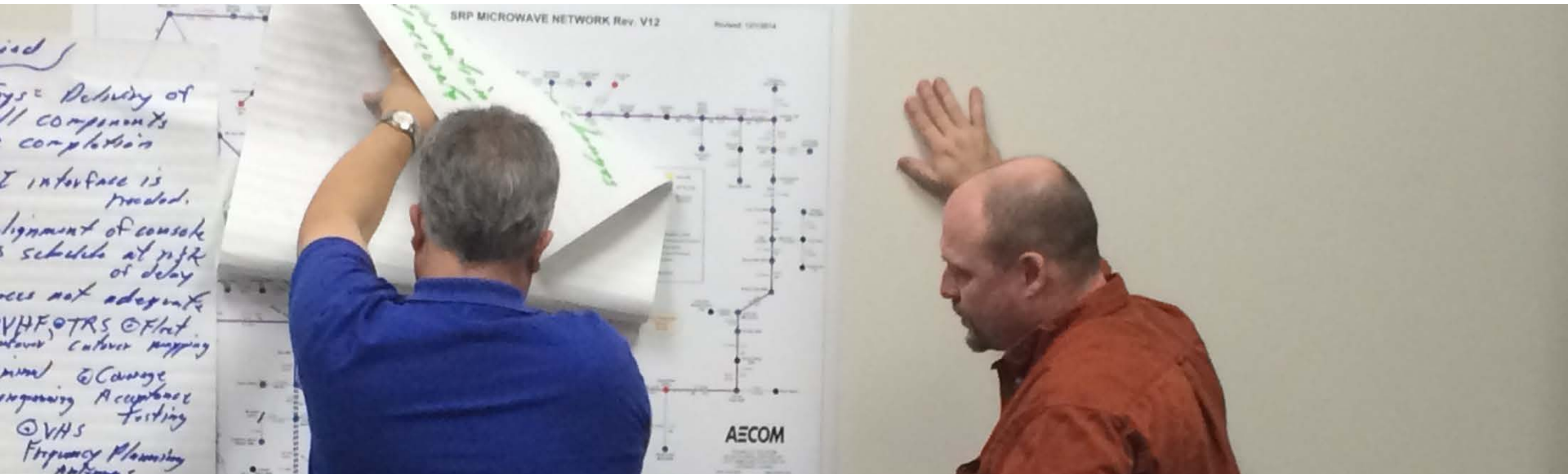
Work Planning

High-Level
Plan

Detail as
Needed

Collaborative

Apply
Learning





Team Structure

Outcome
Driven

Context
Conscious

Collaborative
in Nature

Self-Directed



Customers & Stakeholders


Who's the
Customer

Integrated &
Collaborative

Continuous
& Active

Quality





**MAJOR PROJECTS BRANCH
CONTRACT CHANGE ORDER**

PROJECT NAME State Radio Project	DATE 07
SITE NAME Swan Lake Point	CONTRACTOR PROJECT MANAGER Cody Hunter
CONTRACTOR NAME Day Wireless Systems	SJM (CONSULTANT) NAME Shawn Hankins
CONTRACTOR MAILING ADDRESS, CITY, STATE, ZIP 4700 International Way, Milwaukie, OR 97222	SJM MAILING ADDRESS, CITY, STATE, ZIP 2600 State St., Bldg E, Salem, OR

This contract is hereby modified as follows (description and location of work covered by):
This CCO is install a custom ice bridge and installation of 100 amp breaker in main break panel, bypassing the sub panel and the main room panel.

Specifications and provisions: The work to be done under this order is to be performed with the terms for the above contract, except as modified as follows:
Adding:



Oregon

Kate Brown, Governor

Department of Transportation
Major Projects Section – State Radio Project
3210 Del Webb Ave NE Suite 110
Salem, Oregon 97301
Main Line: (503) 934-6946
Fax: (503) 986-4469

SRP CMR: 2015xxx

MEMORANDUM

DATE: July 23, 2015

TO: Site Review Committee

FROM: Jim Crawford/Myrna Curzon

RE: Site(s): Swan Lake Point

Requested Action
This CMR requests the following changes:

Change Management

High-Level
Plan

Relish
Discovery

Context
Context

Document



Quality Management

Integrated
Everywhere

Context
Defined

Custom
Approach

Document





Work
Planning

Team
Structure

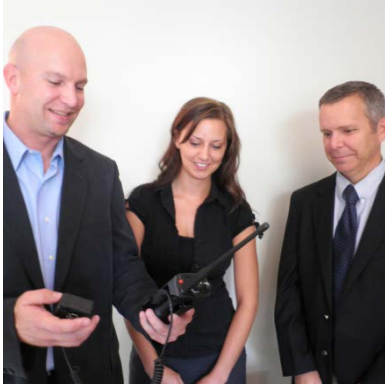
Customers &
Stakeholders

Change
Management

Quality
Management



Factors for Success



- ✓ High-Level Planning – Outcome Driven
- ✓ Comprehensive Team – Context Focus
- ✓ Integrated Stakeholders – Active & Collaborative
- ✓ Change Management – Relish Discovery
- ✓ Quality Everywhere – In Context / Custom Approach

