PRELIMINARY HYDRAULIC SURVEY

MODULE 5 - KEVIN CARLASCIO, LSIT

Kevin Carlascio, LSIT



Survey Supervisor South Central Region, Project Development WSDOT

Current duties: Oversee and manage region survey needs, coordinate and support fish passage survey deliverables.

Background & Experience: During the past 14 years at the WSDOT Kevin has worked in design, construction, Computer Aided Engin-



eering and survey. Kevin has applied his background in emerging technologies to traditional highway infrastructure projects, emergency needs and state wide fish passage projects. Kevin has three years of experience in surveying and land development in the private sector, and 10 years in customer service. In June of this year, Kevin completed his 12th year as a adjunct instructor at Yakima Valley College, YVC. Under Kevin's direction, YVC began a Land Survey and Construction design program and will graduate it's first students this spring.

Education: YVC, June 2005, AS in Civil Engineering Technology

Personal interests: Kevin, his bride Stacy, and their 4 children live in Yakima. They love family time and relaxing by their pool in the Yakima heat.

11

Kevin Carlascio, LSIT



Preliminary Hydraulic Survey

This presentation will define the roles and expectations of the parties involved, challenges associated with data collection, the timeline of deliverables, and a general overview of WSDOTs role in the surveying process.



12



PRELIMINARY SURVEY COLLECTION

Kevin Carlascio, LSIT - Survey Supervisor

WSDOT South Central Region, Union Gap

Project Development Survey & Computer Aided Engineer (CAE)



Vision

Perseverance and allegiance to the law, land, customers and Washington travelers.

Seek, build and harbor team comradery. Encourage an innovative working environment with a foundation of trust, transparency and accountability. Reward dedication and hard work with recognition and peace.



Foster a culture of growing and developing talent, encourage and raise all who seek knowledge.

For if we pass our knowledge to the ones who share our vision our profession will live on and benefit generations to come.



₩SDO

What do we at WSDOT Survey?



Establish Geodetic Control

Proprietary project control

Secondary project control

Route monuments for R/W

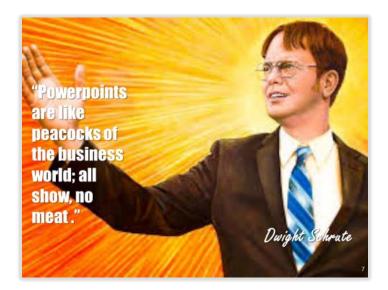
Cadastral ties & R/W

WSDOT









What will you gain by listening to this presentation?

General understanding of what we do and the product we provide

Challenges and delays

Timelines and deliverables

Goals and expectations

Our model to deliver the product to the customer

Common asked questions from our customers

®wsdot

PRELIMINARY SURVEY DATA,

IS NOT NESESSARY!

₩SDO1

IT JUST TAKES Too Long To GET THE DATA!

₩SDO'

WE NEVER GET

CONSISTANT DELIVERABLES!

®wsbot

IT IS JUST WAY TO



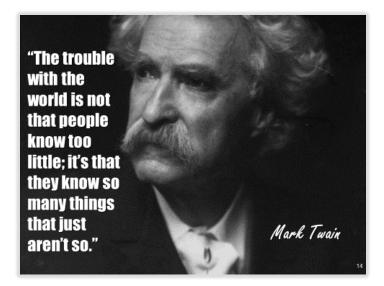
EXPENSIVE!

₩SDOT

LET'S JUST

USE LIDAR DATA!

®พรกดา



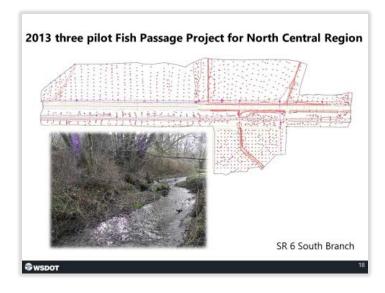
WELL, WHAT IS SO. CHEAP CANNED QUICK

NEVER A RECIPE FOR SUCCESS

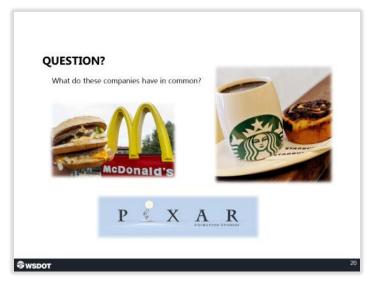
₩SDOT













How can we improve the next round of Fish Passage?

Talk to our customers

Analyze our process

Develop new procedures

Train our workforce



Be open to change

Be Consistent!

®wsdo'

How can we be more consistent?

- 1. Each project location has been prioritized and grouped accordingly.
- 2. One Survey Supervisor overseeing dates and deliverables.
- 3. Brake the entire Survey process up into phases.

Phase 1 - Establish Control

Phase 2 – Topography Collection





Final Hydraulic Design (FHD) or Plans, Specials & Estimate (PSE)

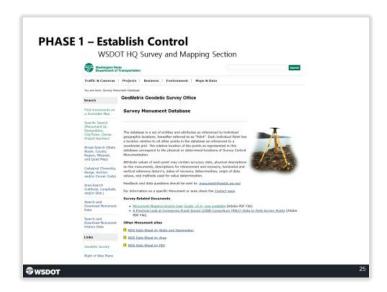
₩SDOT

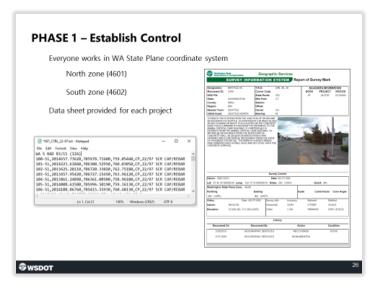
PHASE 1 – Establish Control WSDOT HQ Survey and Mapping Section

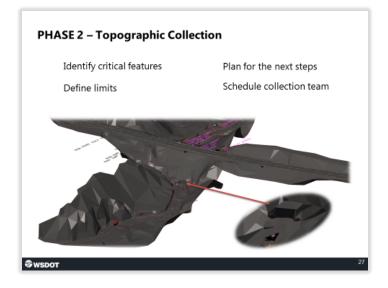


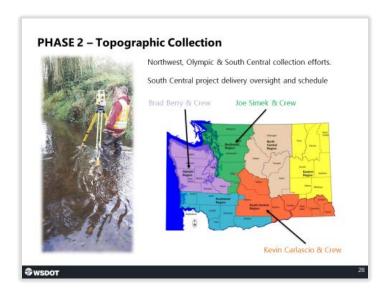
® wspot

Do	W 7	1
υa	V	Т

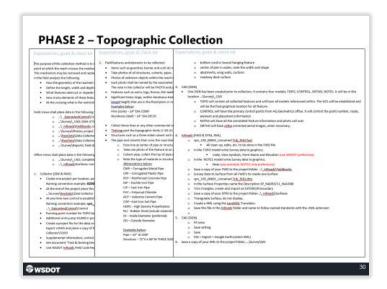


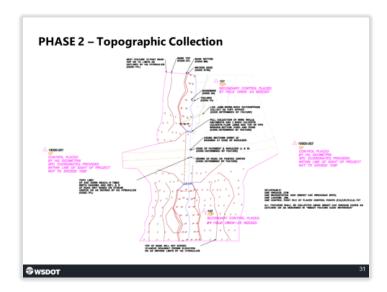


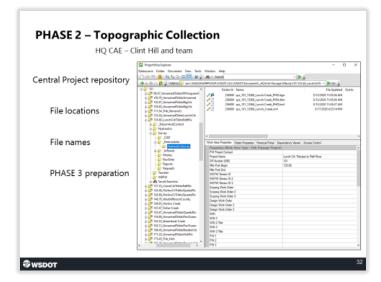




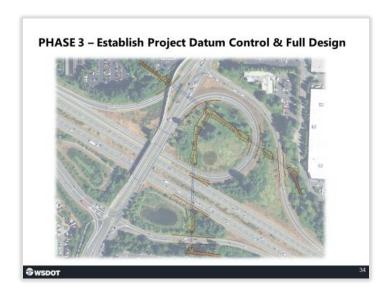


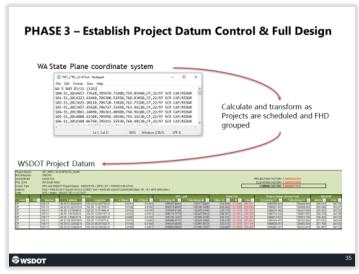


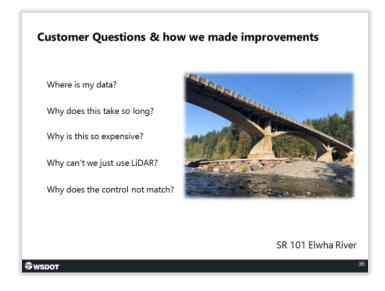


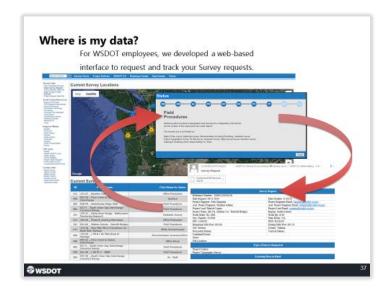


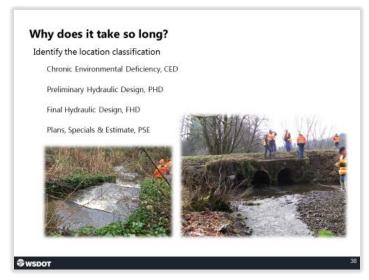






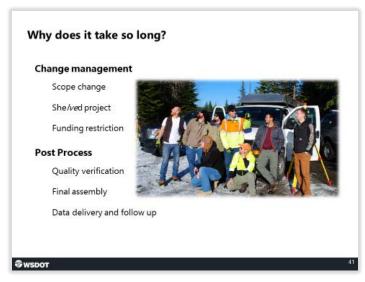




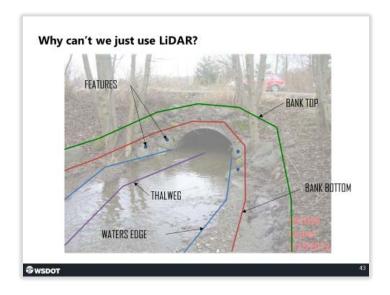


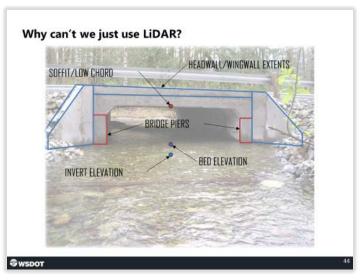


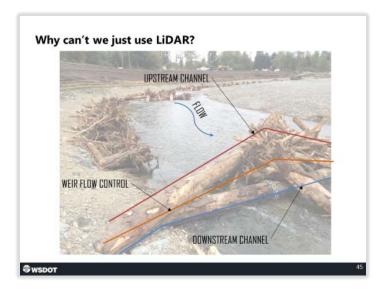


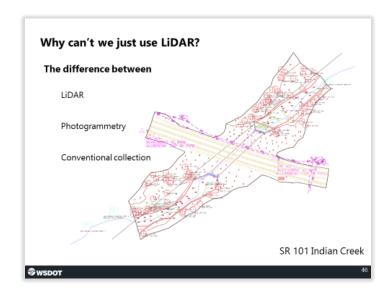


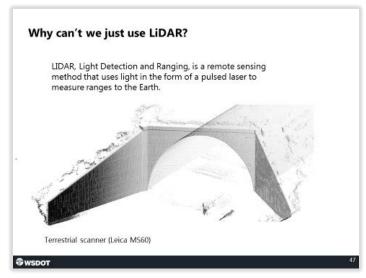




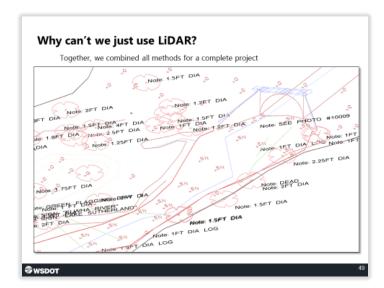


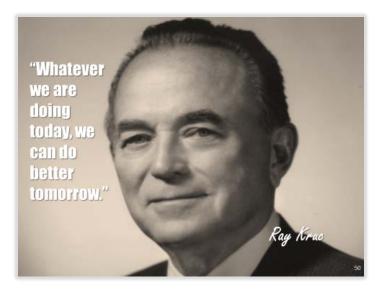












PRELIMINARY SURVEY DATA, \[\sum_S \int \text{ESESSARY!} \] Plan Organize Communicate Collect Deliver