



Project Delivery Academy

July 13, 2022

Project Delivery Academy

July 13, 2022

Module 1 Project Planning and Programming

What does ADOT IDO do?

- 28,000 Lane Miles
- 51 Maintenance Camps
- 7 Districts
- **Programs**, Designs, and Constructs
ADOT Statewide Projects
- Designs and Constructs MAG/PAG and
Local Projects

Fog (Preservation)

ADOT

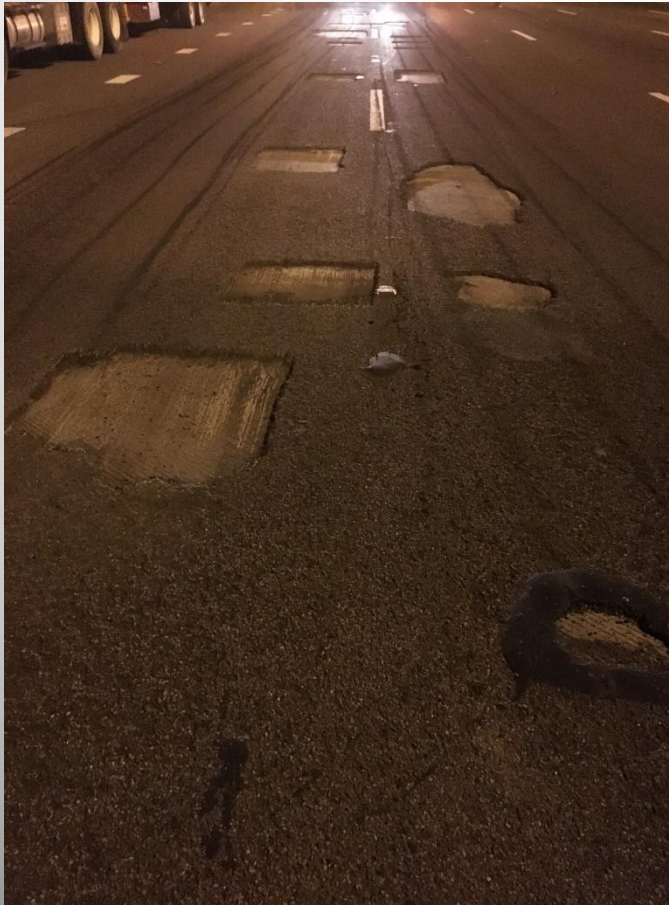


Pump Stations



Potholes and Repair

ADOT



Intro to Project Lifecycle

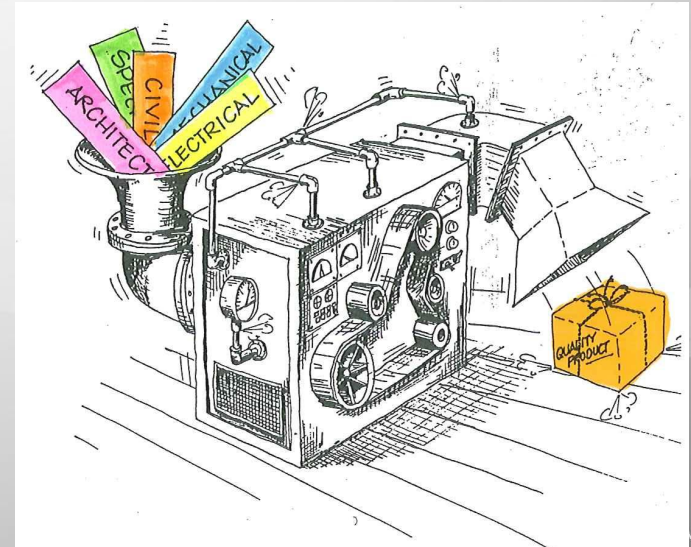


- **5-Year Construction Program vs CIP?**
- **Capital Improvement Plan** – Usually means investing in existing Assets
- **Wait What?** – New Tires on your car is a major investment (It is not maintenance)

Project Delivery Objectives

ADOT

- **20-30-30-20 Delivery** (No Hockey Sticks)
- **Quality Product** – Right Scope – On Time – On Budget
- **Act like the Owner (All)** making Sausage together



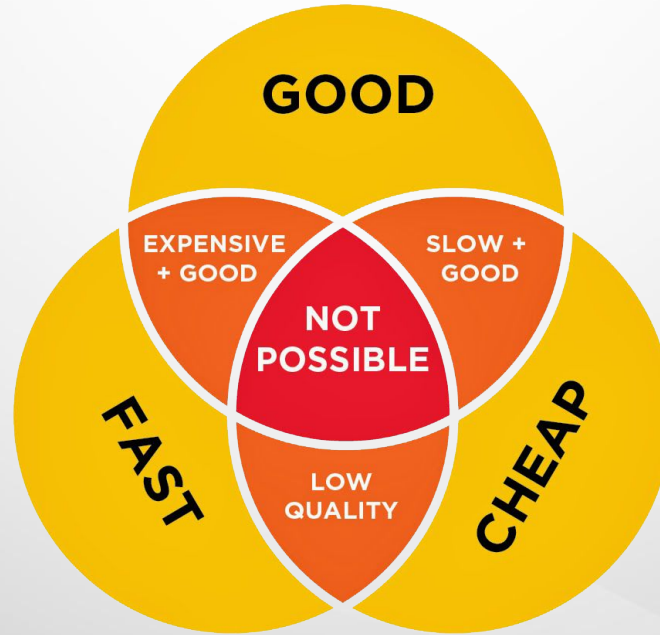
Project Delivery Objectives

- What is SSB?
- Does SSB really work?
- SSB is sometimes called the **“Triple Constraint”**
- What usually happens when Scope increases? (Schedule and Budget get whacked)



Project Delivery Objectives

ADOT



- Another way to look at Project Delivery
- **In-N-Out Burger** may be counter to last one

Project Delivery Objectives

ADOT

WE OFFER 3 KINDS OF SERVICES
GOOD-CHEAP-FAST
BUT YOU CAN PICK ONLY TWO

GOOD & CHEAP WON'T BE **FAST**

FAST & GOOD WON'T BE **CHEAP**

CHEAP & FAST WON'T BE **GOOD**

- Again- another way to look at Project Delivery
- In-N-Out Burger may be counter to last one

Project Delivery Objectives



- Triple(SSB) vs Six Constraints?
- With Six Constraints, **Resources, Risk, and Quality** are also considered with SSB

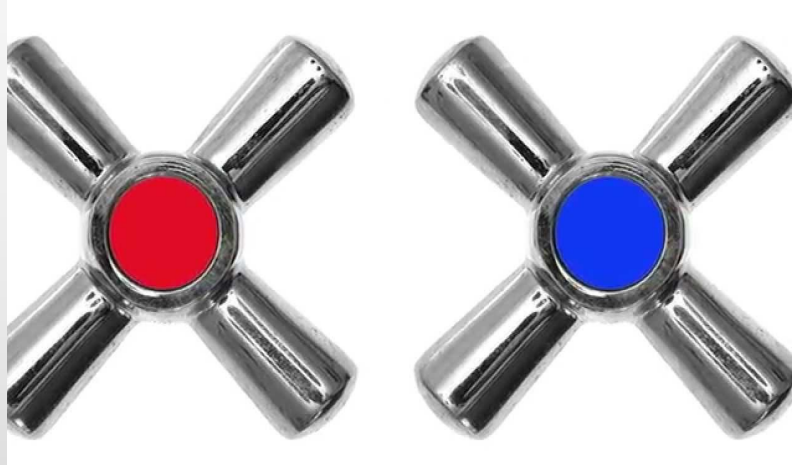
Keys to Successful Project Delivery

Minimize Email

Communicate Clearly

YOE Real Parametric Estimate

Communicate Clearly



Hot & Cold

Red is Hot – Blue is Cold

Communicate Clearly



Parents of Teenager

Max RPM is 2500 – Max Speed is 65 MPH

Communicate Clearly



Simple Message

Banger Beam (Steel) have been used here in Arizona

Clear Communication



Very Clear

What data is conveyed ?

1. All pressures good (green)
2. Actual pressure
3. Location (Left Front, Right Rear, etc)

State Revenue Stream (HURF) 10,000 Miles Per Year

1991

#46

1991	\$95
2022	\$28

Disruption in Revenue

ADOT



ARIZONA DEPARTMENT OF TRANSPORTATION

What is Ahead?

- 1. Digital Delivery 2025** – Model as Legal Document
(No more Plans) for 3-D projects
- 2. Emphasis on Local Project Delivery** 20-30-30-20
- 3. Back to the Future** – Right size project plans
especially Pavement Rehab (CIP) projects
- 4. HB2858** – Significant one year legislative appropriation
for transportation

Project Delivery Academy

Steve Boschen

Director

Infrastructure Development and Operations (IDO) Division