

# *Project Delivery Academy*

Jan 11, 2023

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

# Road Closure Assistance

**ADOT**



**Semi Crash – Jan 8, 2023**

US 191 near Clifton

Lengthy Road Closure

Load: Ammonium Nitrate

ANFO used for blasting  
(mining)

ADOT is **not** Incident  
Command (Media thinks  
we are)

# Fog (Preservation)

**ADOT**



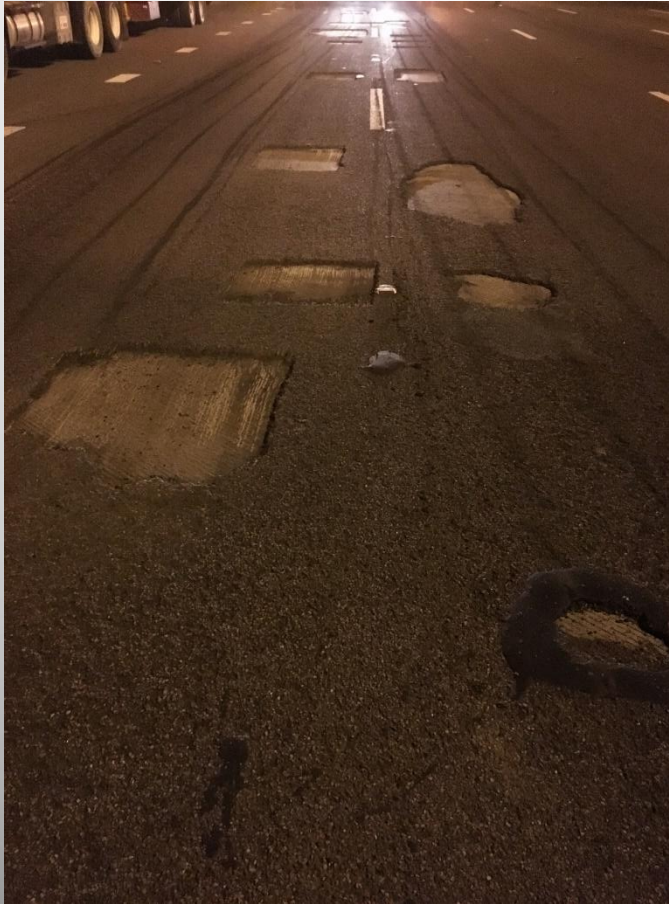
# Pump Stations

**ADOT**



# Potholes and Repair

**ADOT**



# Intro to Project Lifecycle

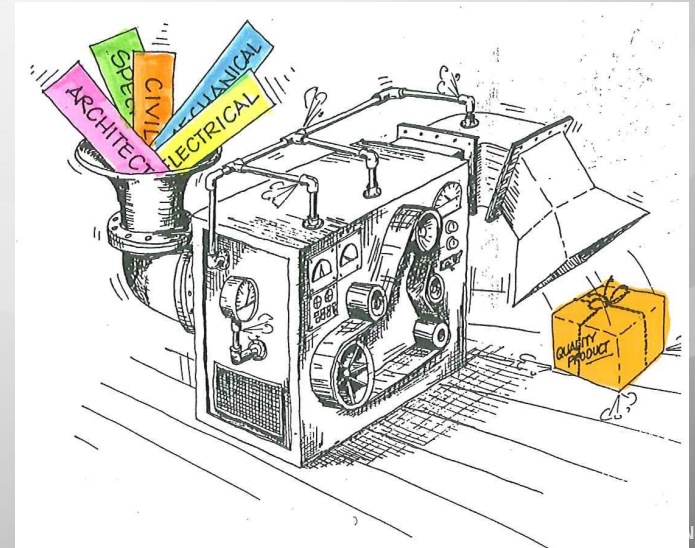
**ADOT**

- **5-Year Construction Program is a CIP**
- **Capital Improvement Plan** – Usually means **investing in existing** assets and **some** new assets.
- **Maintenance** vs 5-year Program confusion
- **Wait What? – New Tires** on your car is a **major investment** (It is not maintenance), Rotating your tires and changing your oil is 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





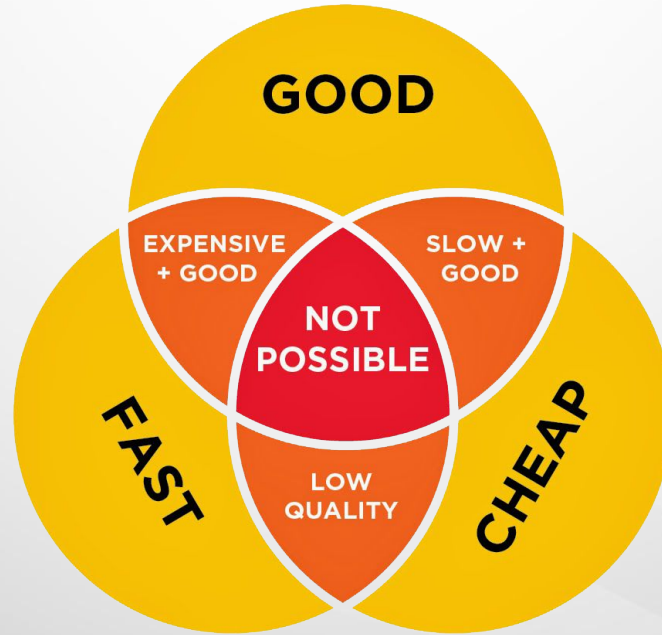
# Project Delivery Objectives

- 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

# 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 the only exception

# 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

**ADOT**

**Minimize Email**

**Communicate Clearly**

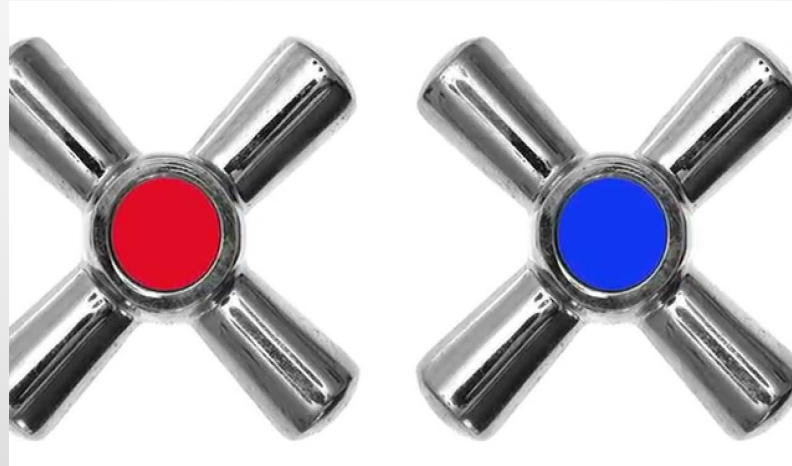
**Year of Expenditure (YOE)**

**Parametric Estimates (with Inflation)**



# Communicate Clearly

**ADOT**



## Hot & Cold

Red is Hot – Blue is Cold

# Communicate Clearly



## Parents of Teenager

Max RPM is 2500 – Max Speed is 65 MPH

# Communicate Clearly

**ADOT**



## Simple Message

Banger Beam (Steel) have been used here in Arizona



# Clear Communication

ADOT



## Very Clear

What data is conveyed ?

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

# What is Ahead?

**ADOT**

- 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 **on semi hold**

# Project Delivery Academy

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