

The ADOT logo is displayed in white, bold, sans-serif capital letters on a dark blue rectangular background. The background of the entire slide is a photograph of a two-lane asphalt road with yellow dashed center lines, receding into the distance. The road is flanked by snow-covered evergreen trees under a grey, overcast sky. A small yellow rectangular marker is visible on the center line in the middle ground.

ADOT

Project Delivery Academy

July 21, 2021

What does ADOT IDO do?

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

Fog (Preservation)

ADOT



Pump Stations



Potholes and Repair



Intro to Project Lifecycle

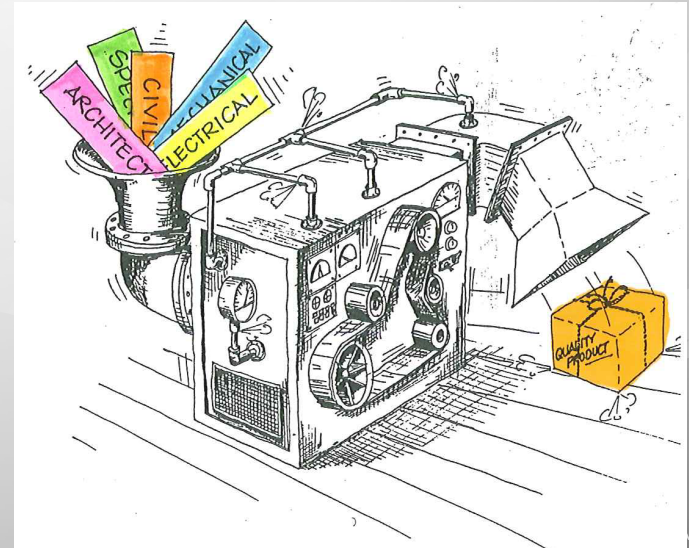


- **5-Year Construction Program vs CIP?**
- **Capital Improvement Plan** – Usually means investing in existing Assets
- **Wait What?** – New Tires on your car is a major investment (It is not maintenance)

Project Delivery Objectives

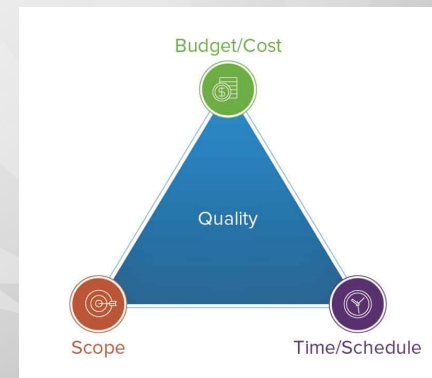
ADOT

- **20-30-30-20 Delivery** (No Hockey Sticks)
- **Quality Product** – Right Scope – On Time – On Budget
- **One ADOT** – making Sausage

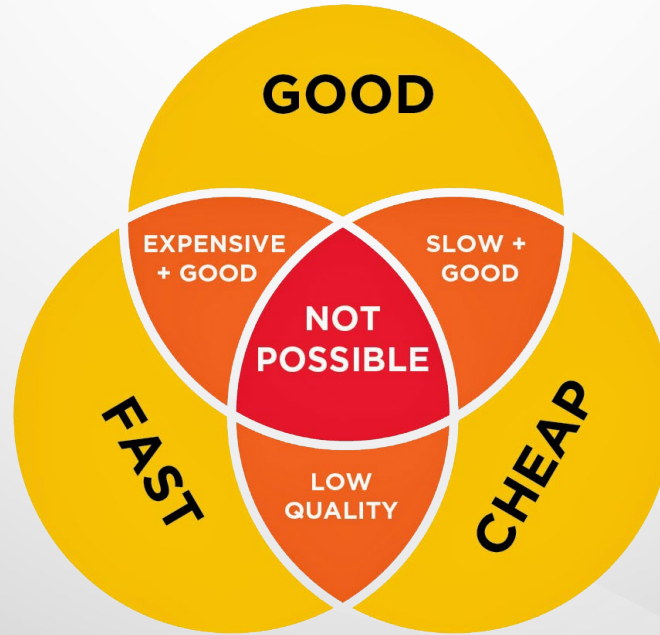


Project Delivery Objectives

- 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



- 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



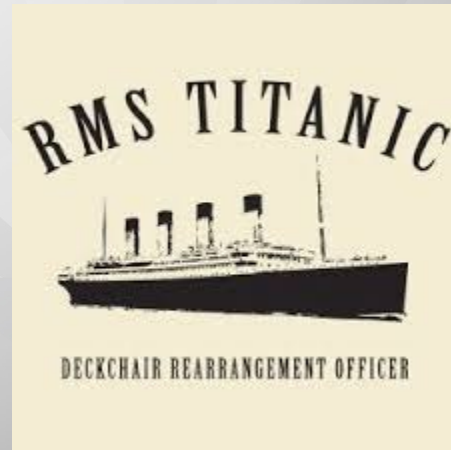
- Triple(SSB) vs Six Constraints?
- With Six Constraints, **Resources, Risk, and Quality** are also considered with SSB

Good Actions for Project Delivery

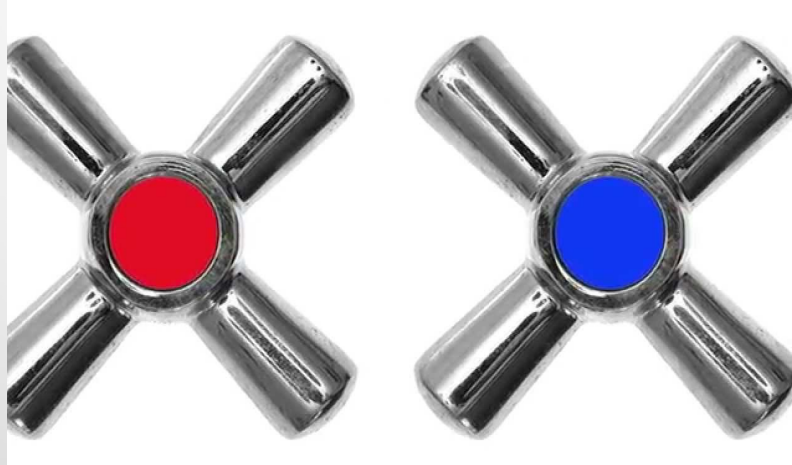
- **Act** knowing that your role is in developing and encouraging others to succeed by **doing the right tasks at the right time** (UPS-logistics) every day....every week... every month
- **Fall Forward Fast** – Make a mess, Break something occasionally, Challenge the Team (Conan O'Brien)
- **One ADOT**, Delivery means all must collaborate outside their lanes
- **It is commitment**, not authority, that produces results

Not so Good Actions for Project Delivery

- **Waiting for Direction or Acting as Conduit**
 - “Waiting for Management”
 - “Management said”
 - “I am waiting for 99% of data”
- **Over Analyzing or Analysis Paralysis**
 - Rearranging Deck Chair's on Titanic



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

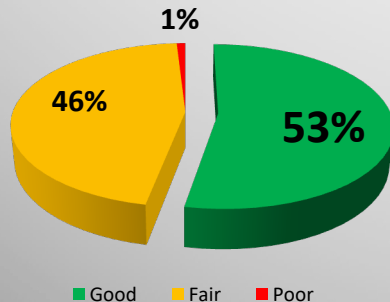
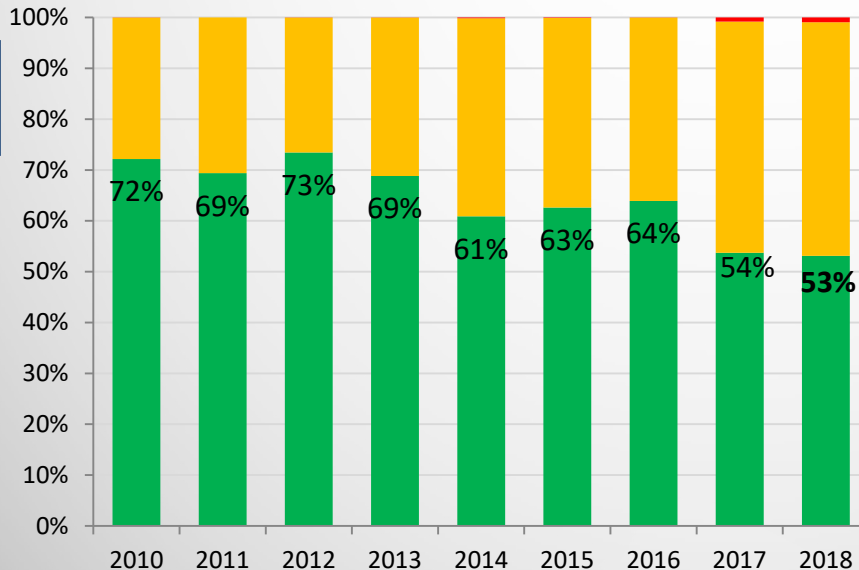


Very Clear

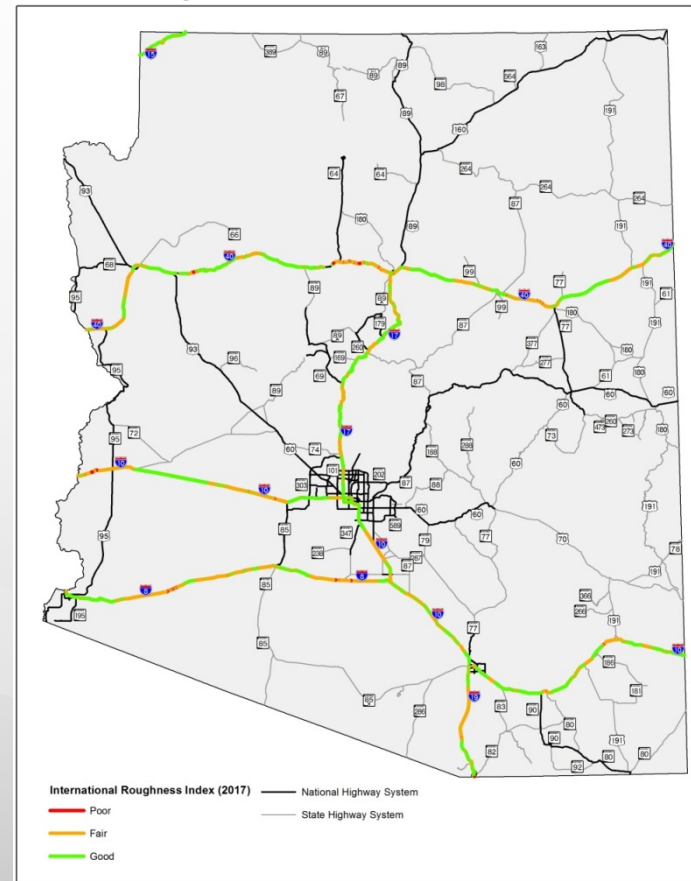
What data is conveyed ?

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

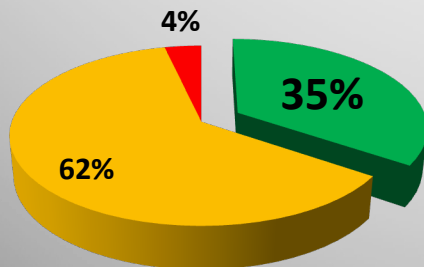
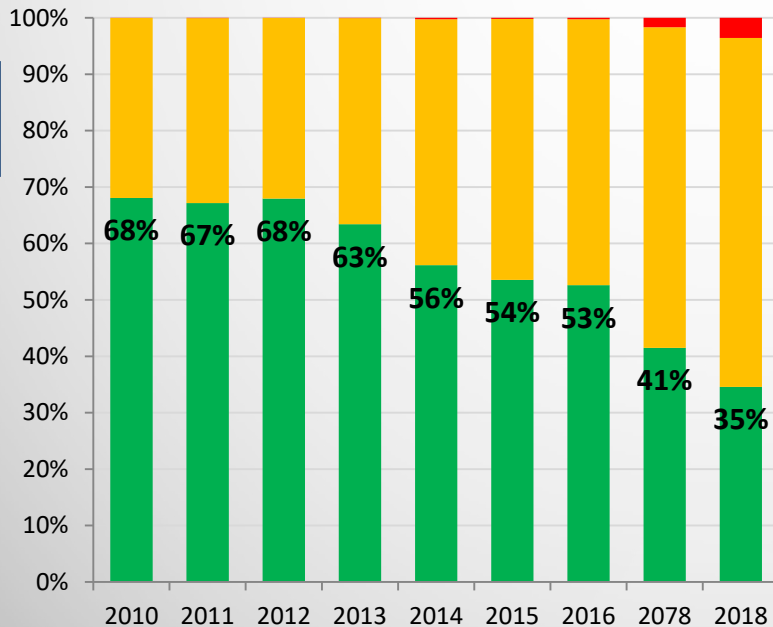
Pavement Condition: Interstates



53% Good



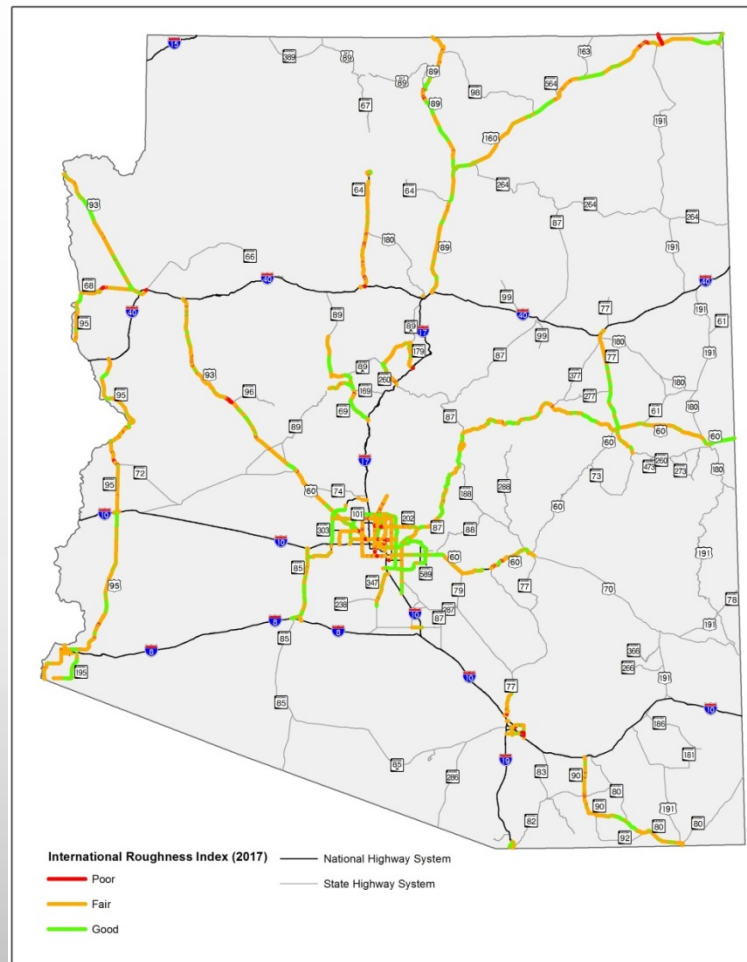
Pavement Condition: NHS



Good Fair Poor



35% Good



10,000 Miles Per Years

1991

#46

1991	\$95
2018	\$28

Disruption in Revenue

ADOT



ARIZONA DEPARTMENT OF TRANSPORTATION

What is Ahead?

- 1. Kaizenovations** – Continuous Improvement at Amazon Speed
- 2. Standardize 25-35-25-15** Project Delivery
- 3. MaLD** – Model as Legal Document (No more Plans) for 3-D projects
- 4. Back to the Future** – Right size project plans especially Pavement Rehab (CIP) projects

Project Delivery Academy

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