

ADOT Project Delivery Academy

District Operations

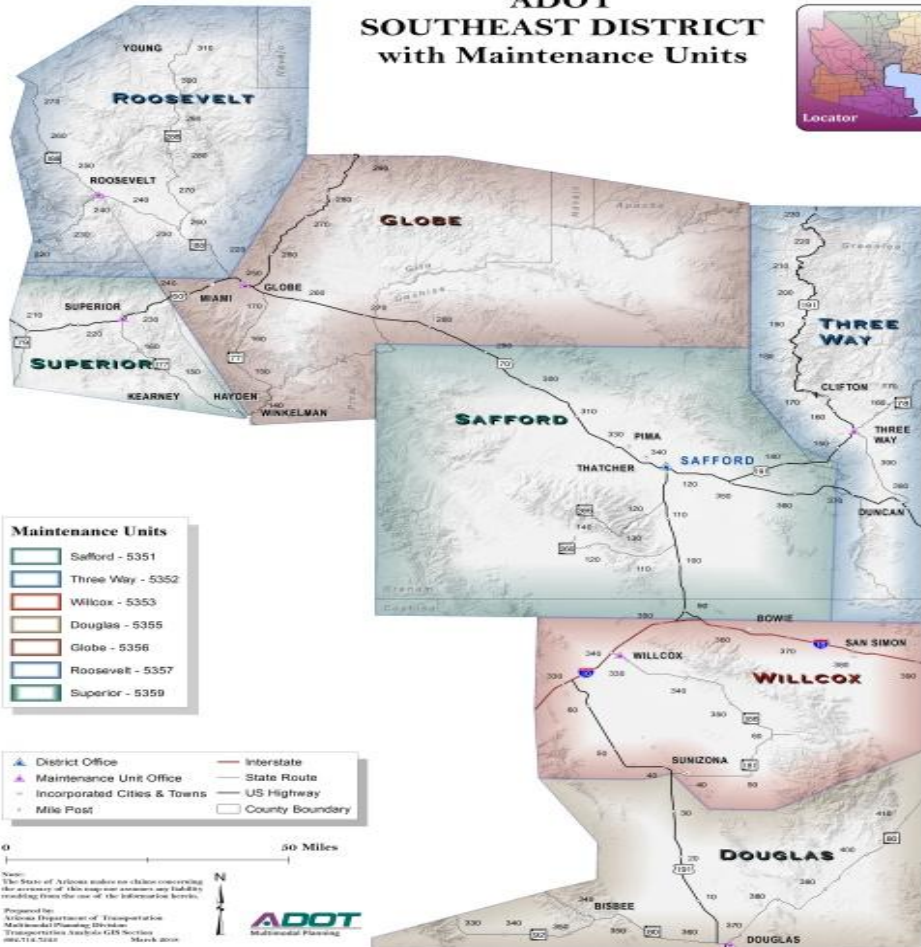
Considerations in Rural Districts

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Southeast District

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ADOT SOUTHEAST DISTRICT with Maintenance Units



Southeast District Overview

Considerations in Rural Districts

- ❑ Need to understand the area where the project is located and the unique challenges to be encountered.
- ❑ Project within a city or town? State highways are typically the main arterial in small cities and towns.
- ❑ Any known issues with soils, drainage, other infrastructure?
- ❑ How will traffic be managed (Usually only two lanes when outside of any city or town. Also could be in a mountainous area with little to no shoulders)
- ❑ Is the project on the state hwy system or is it a LPA project or both?

Considerations in Rural Districts

- Remember that no one knows the area where the project will take place better than the Maintenance unit who maintains it.
- They know what challenges there are with the soils, drainage, pavement, and other infrastructure.
- They also know the traffic very well.

Construction Considerations

- ❑ Items that can affect construction costs.
 - ❑ Mobilization - projects can be very remote
 - ❑ Meals and Lodging for contractor in remote areas.
 - ❑ Haul distance for materials to bring in and to remove.
 - ❑ Is there a material source and if so how far from the job site.
 - ❑ Where is the nearest plant to produce HMA or Concrete. Is a mobile plant needed?

Construction Considerations



☐ Items that can affect CE Costs

- ☐ There may be long-term per diem for inspectors
- ☐ Some projects may be several hours from the office. Travel time to and from job site. (Sometimes there are no accommodations for lodging (Could lead to OT)
- ☐ Construction offices often rely on consultants to fill resource needs.
- ☐ Need to understand CE costs for large vs small projects. One CE percentage does not work for all projects.
- ☐ Need to understand if the project has a lot of operations that will occur simultaneously over a large distance and whether there will be a significant amount of materials testing (Impacts the CE cost)

Maintenance & Operations Considerations

- ❑ There are probably many similarities between urban and rural maintenance and operations considerations.
- ❑ Need to make sure what is built can be maintained
 - ❑ Is there access to the infrastructure for maintenance - This is probably one of the biggest items that gets brought up often late in the development process.
 - ❑ Need to address if there will be any special maintenance requirements for a specialty item. Maintenance needs to know what they are being asked to maintain and if there are any special considerations.

Encroachment Permits

Need to understand the types of permits issued and how they could impact the development of a project. Access, and utilities are probably two that could impact the development of a project.

We are starting to allow broadband to be placed under the pavement longitudinally in areas where there is no room outside of the pavement.

Examples of Challenges

- Incident Response



Sometimes Incident Response Leads to an Emergency Project

TELEGRAPH FIRE



TELEGRAPH FIRE



SR88 Closure - DCR / EO



SR88 Closure - DCR / EO

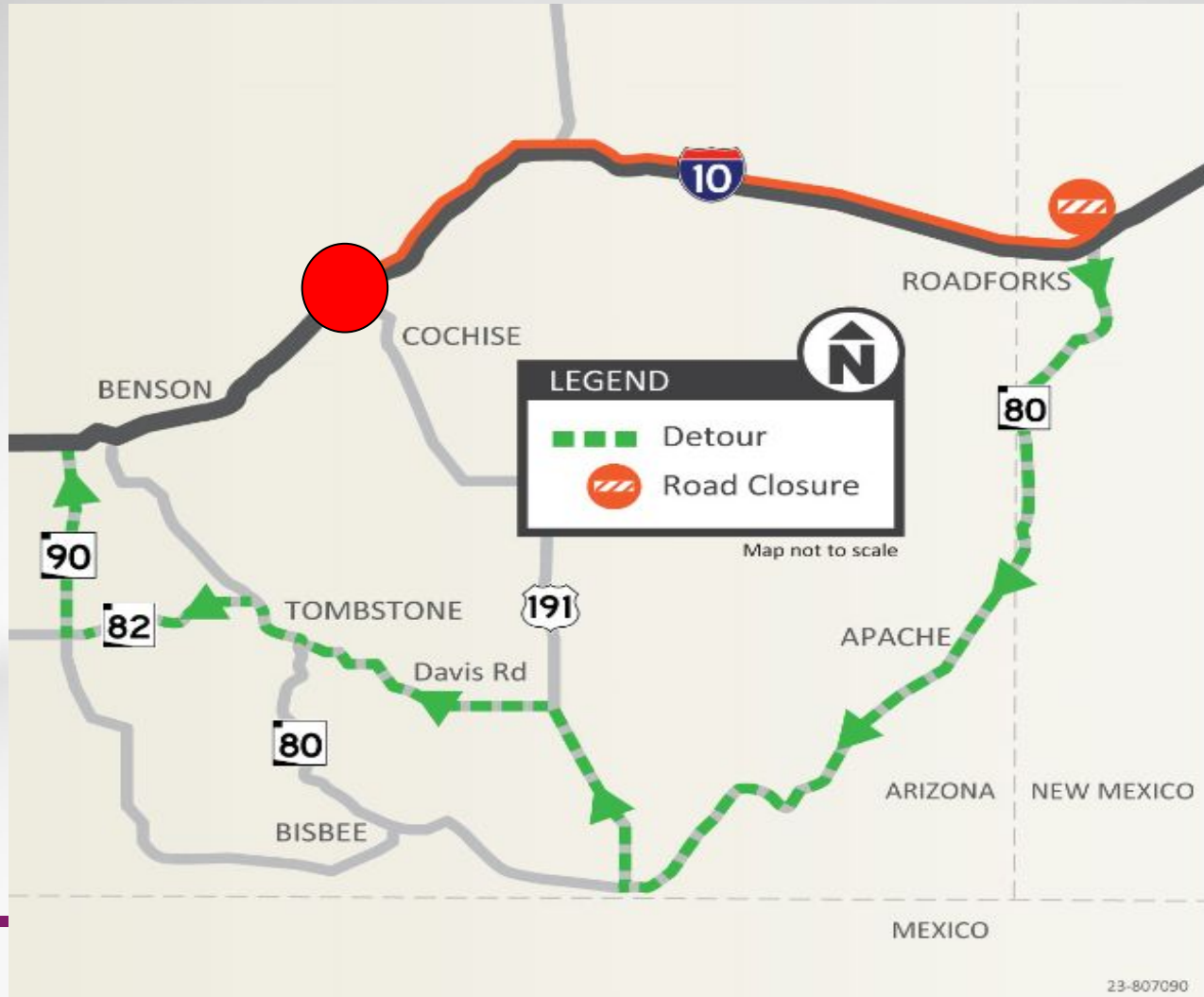


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165 mi
Detour

This won't
work for
extended
time =
Problem

Solving Problems



MIAMI FLOODING





Accommodating Oversize Loads





Questions?