MCDOT TIP

FY 2010/2011 Update

American Society of Highway Engineers

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Topics for today

- MCDOT Successes for FY 2010
- Structural change update
- Plans for FY 2011
- Initiatives underway
- Fiscal Stability as a goal

Award Winning Partnering

2009 Gavilan Peak
Construction Team

MCDOT Accomplishments FY-10

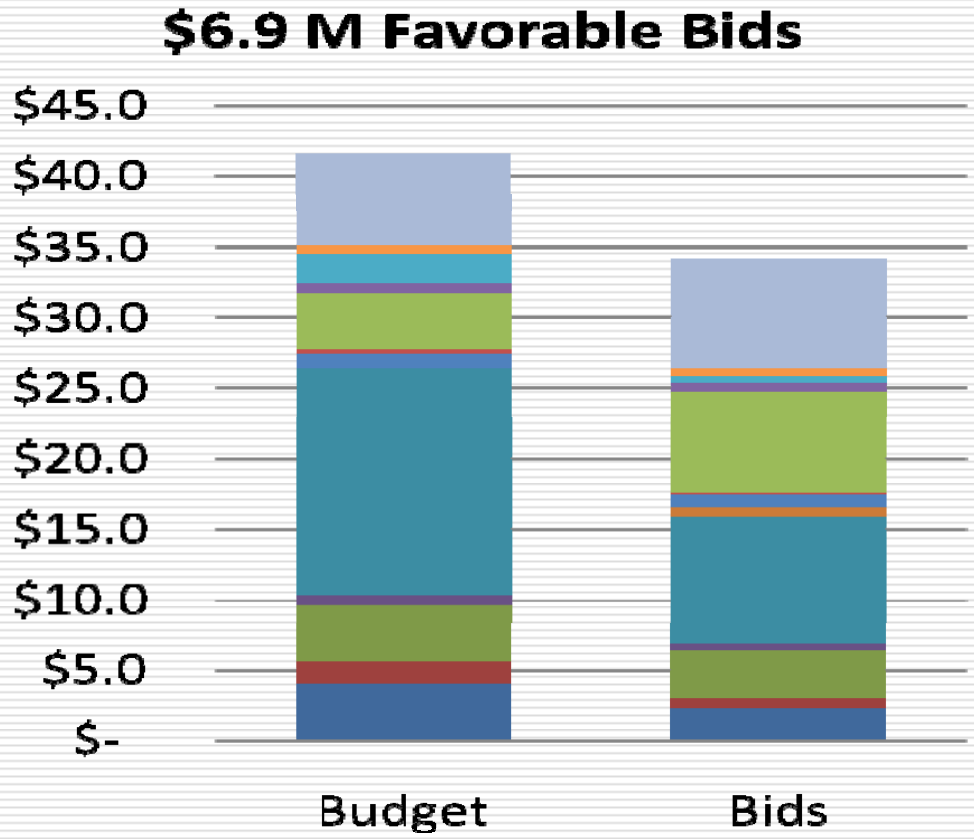
- On schedule to complete 13 of 18 Planned projects
- Will complete 23 total projects including 6 Accelerated projects
- Overlaid 253 lane miles of residential and arterial streets

MCDOT Accomplishments FY-10

- Recovered $1.5M in federal funds for Alma School Rd Bridge repair (5 yr effort)
- $750,000 funding for Bush Highway shoulder paving improvements (ARRA)
- Value Engineering: Northern Parkway, Deer Valley Agua Fria Crossing, Old U S 80 Bridge, and Riggs Rd Sonoqui Wash

New Construction Highlights from FY 10

Favorable Bids – 13 Projects Advanced



Sun City Mill & Overlay Projects – 228 Lane Miles

Consists of Full Width Edge Milling & AR Overlay

MCDOT

Sun City Mill & Replace - $10.4M

- Contractors: Nesbitt & M.R. Tanner
- Bid:
  $3,392,808
  $7,133,000

Edge Milling Sun City

Gilbert Rd Low Flow Crossing

- Contractor: Norquay
- Bid: $767,895

Looking North

03/03/2010

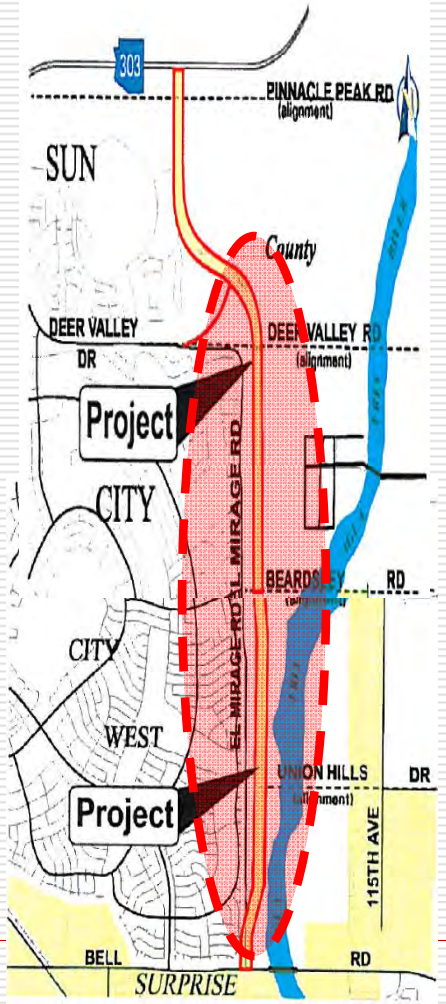
Signal projects

- Will Complete 10 Signal projects in FY 10
- Completed The Bell Road ITS Extension from 303 to Grand Avenue

El Mirage Phase B & C

- In progress
- Held up by weather
- Complete mid year FY 11

El Mirage Bell to Deer Valley



- Contractor: Markham
- Bid: $8,972,008
- Widen to 4 Lanes on new alignment
- Cost Savings: Replaced Bridges with Low Flow Crossings to reduce cost

MC 85 at Sarival Railroad Crossing

- Contractor: Nesbitt
- Bid: $2,212,514

Low Volume Roads

- 3.75 miles Paved
- 11 miles going to construction
- 8.5 miles scoped

Internet Connections

- Road Closures and Restrictions Map updated to show Construction, Incidents, and Flooding issues countywide
- Working on Signal timing details with Cities and updating them Valleywide in conjunction with RADS (Regional archived data server)
- Local access to cameras to allow other cities to view traffic cameras from other jurisdictions that may affect the operation of their roadways

Structural Change update

- MCDOT has successfully made the transition to a re-alignment which has saved considerable funds ($1.5 million/ Year)
- Projects are being delivered within a structured timeframe and within a planned budget
- MCDOT has set goals to establish a reputation as a professional, reliable and fiscally responsible agency that is a model for other government entities

Initiatives Underway

- Score boarding is now discussed at the Division Manager's meeting. Changes are underway now for next generation scoreboards for 2010
- Additional groups have joined the project Scoping, Design and Construction process including Traffic, Operations and The Engineering/Planning Division
- Project Scheduling will include bidding out projects early in the fiscal year to even out expenditures and level of effort through the year.

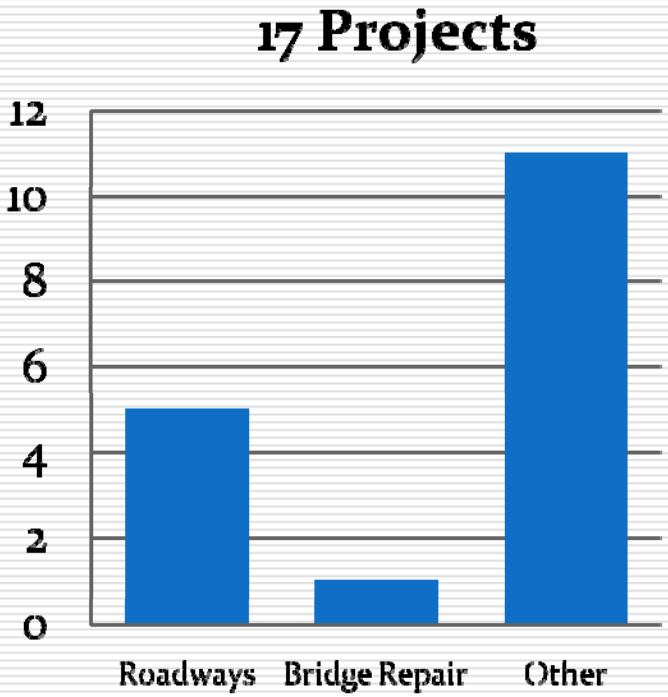
Fiscal Responsibility

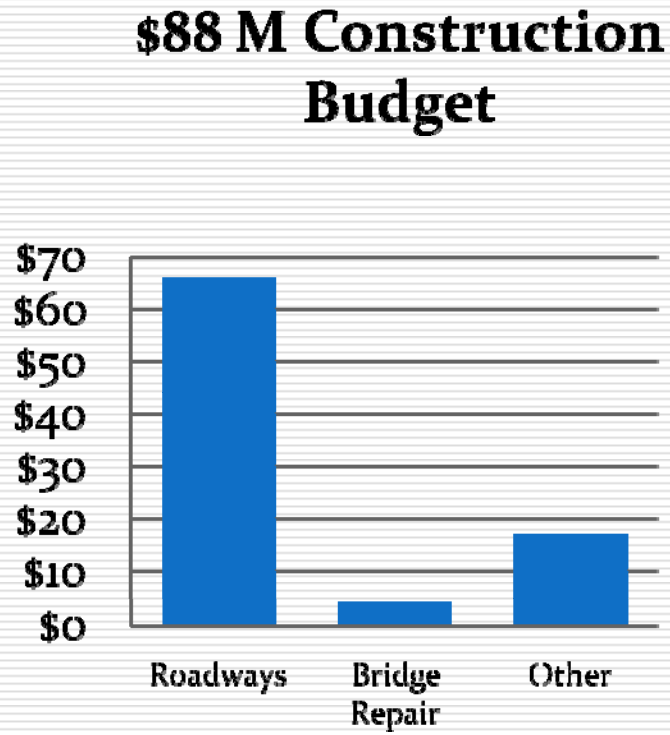
- MCDOT has a budget team that has accomplished numerous reductions in operating costs.
- The reductions in staff and furloughs seen in other agencies, have been avoided, due to this team's efforts
- Projects are being planned, scoped, designed and constructed in a systematic way that leads to good fiscal control
- MCDOT has maintained solvency in a critical budgetary time

Plans for 2011

- MCDOT has a program fully defined and will execute it this year
- This program includes Scoping, Design and Construction related projects both in-house and consultant designed.
- MCDOT expects to include Operations projects in this scheduling process to insure cross-division continuity of project delivery

Anticipated FY 2011 Construction

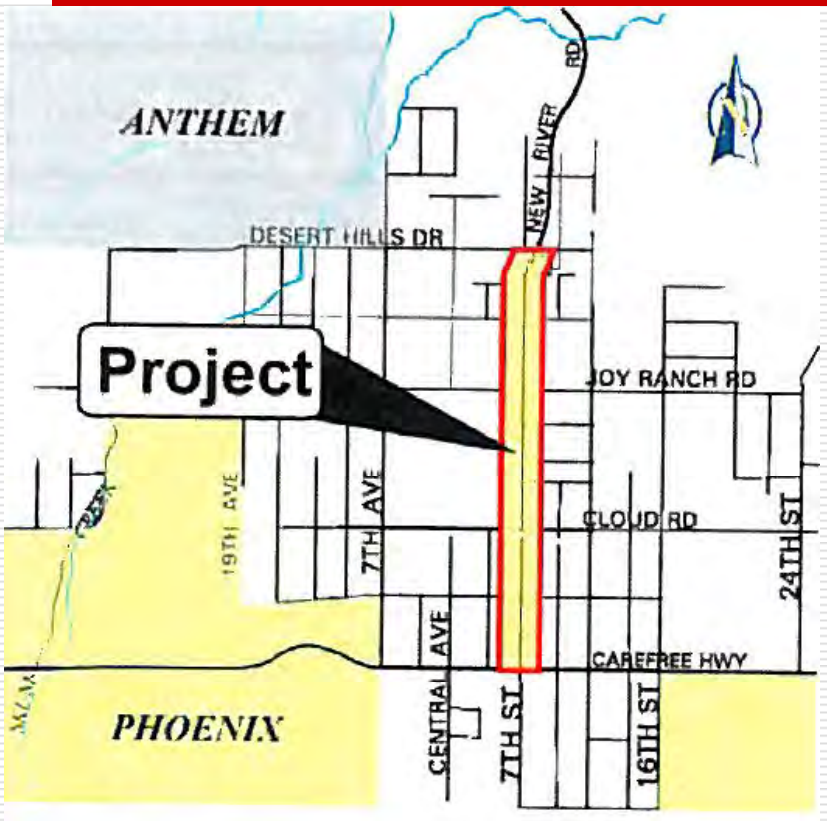




ARRA Projects

- $5,900,000 Original allotment from MAG
- $518,000 additional from MAG with Ft McDowell Yavapai Nation
- Bid March 24th

7th St Carefree Hwy to Desert Hills



- Scoping recommended phasing project into two phases
- Phase I: Left and right lanes, drainage and safety improvements
- Bid April 28th
- Construction cost $3M
- Phase II: A full seven lane arterial will be done 2020 to 2025 or later based on traffic demand

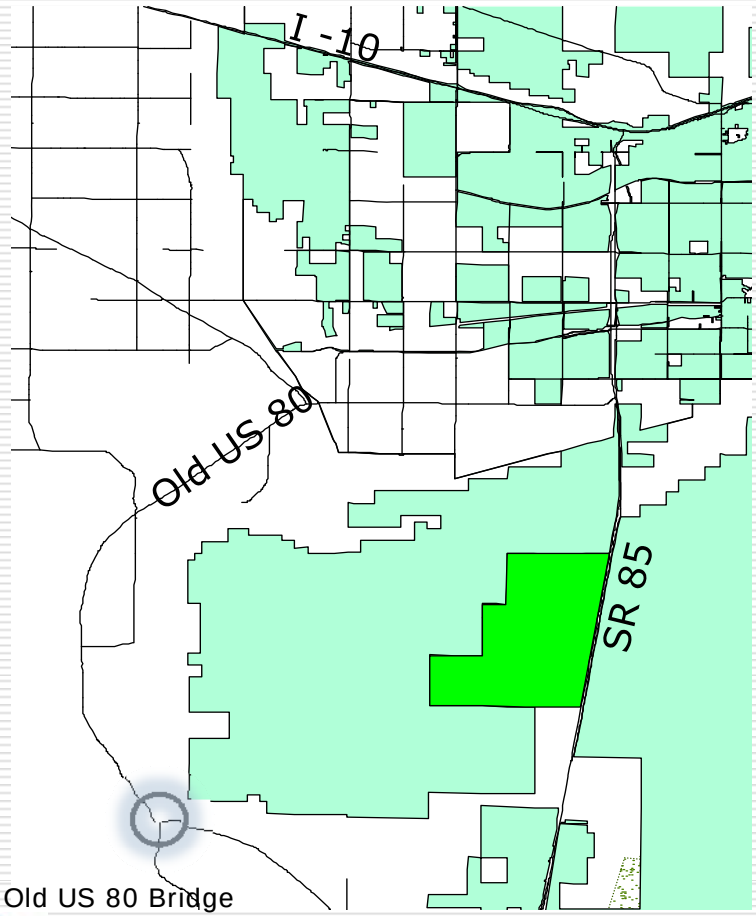
District 3

Northern Parkway Phase 1 – Sarival to Dysart

- 1st Phase of 12.5 mile project
- Partners: Glendale, Peoria, & El Mirage
- Bid Range $40-50M
- Bid: Spring 2011

District 4

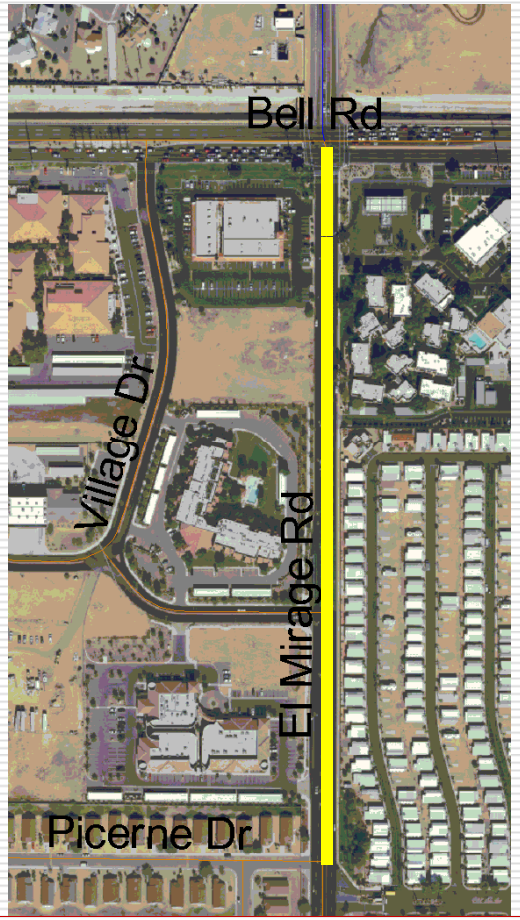
Old U.S. 80 Bridge At-Grade Crossing



Old US 80 Bridge

- Repair Historic Bridge
- Environmental concerns
- By-pass Road
- Value Engineering Study reduced repair costs
- Estimated repair cost $5M
- Bid Fall FY 2011

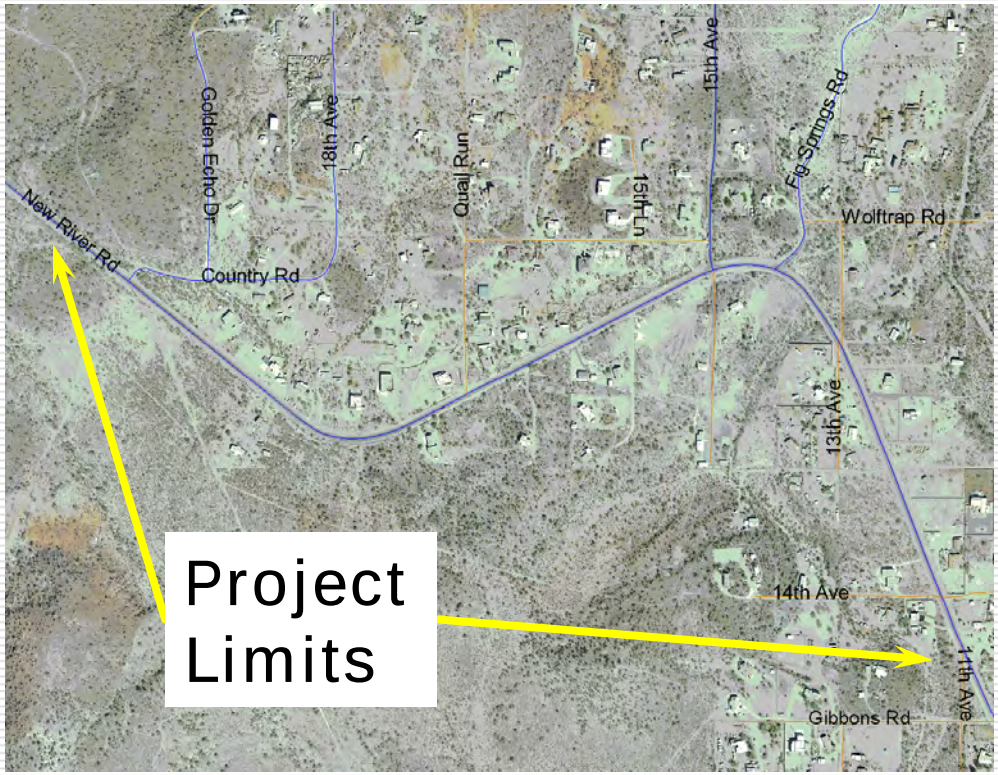
El Mirage Picerne to Bell



- Northern 0.3 mile of a larger El Mirage project from Northern to Bell
- Eligible for MAG ALCP funds
- Estimated cost TBD
- Bid Late FY 2011

District 4

New River Road – S Curve



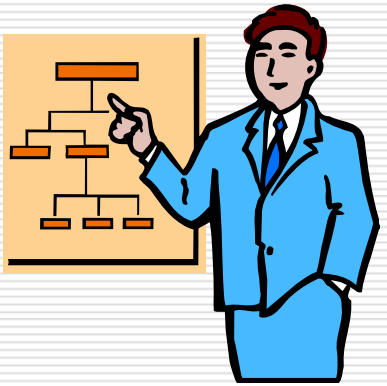
- Safety project
- 1.72 miles (just East of 11th Avenue to just West of County Road)
- Realigns Current Road
- Estimated cost $9.5M
- Bid Late FY 2011

District 3

FY 2012 – 2015 Outlook

- Fewer Projects
  - Larger Projects
  - MAG Regional Plan Projects coming up
  - Drop in Traffic Warrants
- Increase in Construction Funding
  - $110M MAG Funding for Regional Plan Projects
- Increase in Schedule Risk
  - Decrease in MAG Regional Sales Tax Revenues (More?)
  - Need for Partnership Formation
  - Environmental Clearance

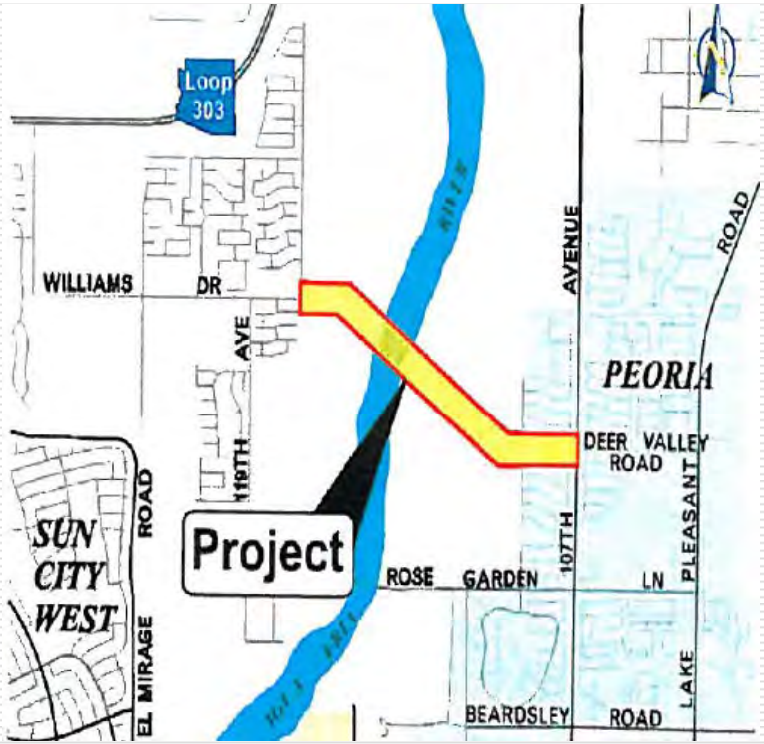
Questions ?



FY 2011 Design

Project No	Project Name	FY11
T195	Northern Ave Pkwy: Sarival to Dysart	3,200,000
T339	Gilbert Rd Bridge	1,500,000
T004	Warranted Traffic Improvements	1,000,000
T112	MC85: 107th Ave to 91st Ave	1,000,000
T248	Deer Valley: El Mirage to Lk P	1,000,000
T113	MC85: 91st Ave to 75th Ave	650,000
T341	El Mirage Picerne to Bell	500,000
T344	El Mirage Northern to Olive	500,000
T312	New River Rd: S Curve to Fig Springs	450,000
T176	Low Volume Roads Program	270,000

Deer Valley



- Will connect Williams Drive to Deer Valley via Low Flow Crossing
- Issues include grade control structure and state land purchase
- Estimated cost $18M

District 4