

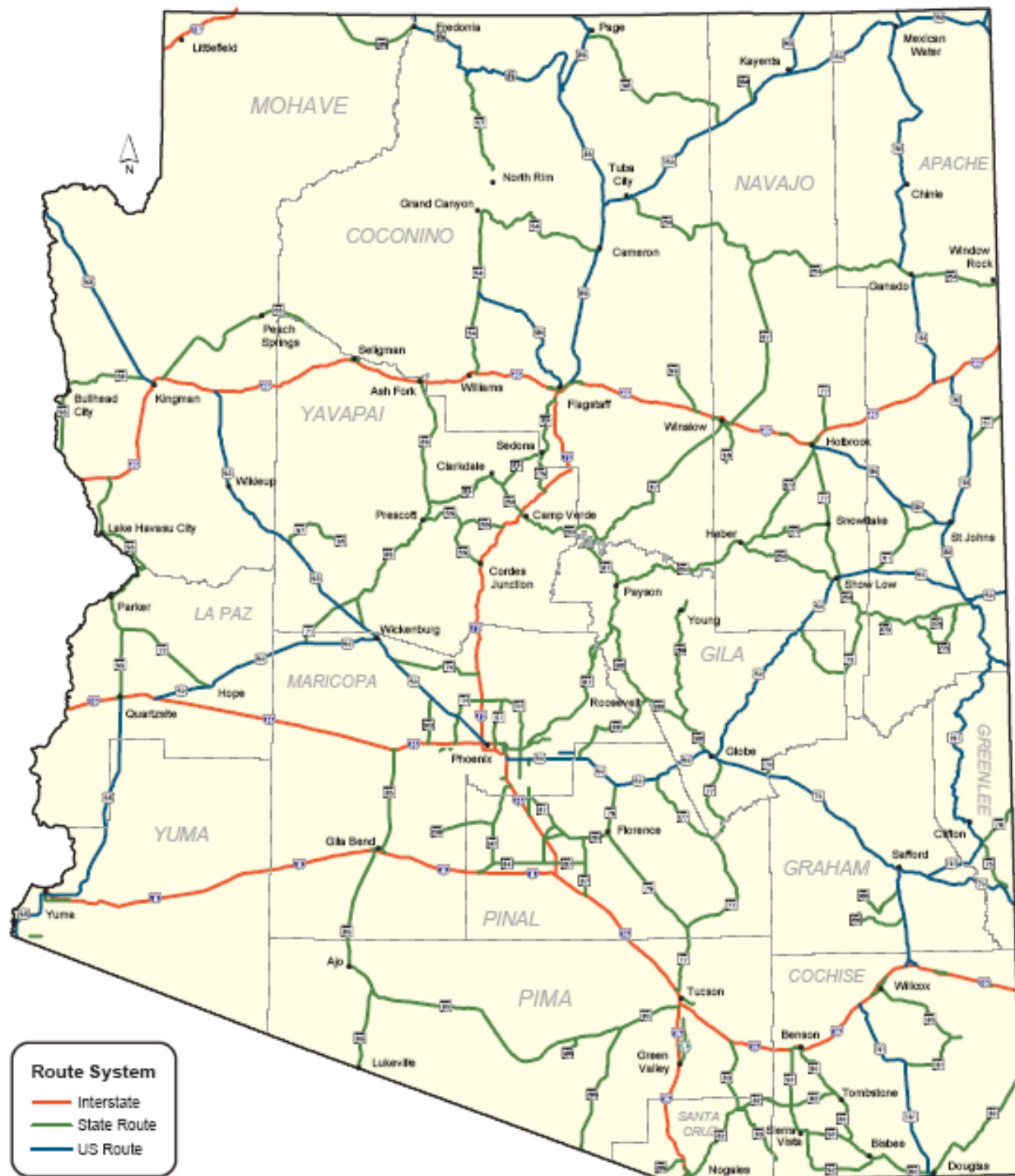
In-Place Recycling Activities in Arizona

Western States Regional In-Place Recycling Conference

September 11 - 13
Ontario, California

Paul T. Burch, P.E.
Chief Pavement Design Engineer
Arizona Department of Transportation





ADOT Demographics

- Approximately 20,835 travel lane miles.
- Approximately 28,400 maintenance lane miles (includes shoulders).
- Approximately 4,100 FTE's (1,300 MVD)
- FY 2012 ~ 100 construction projects let
- ~ 750 Million dollars
- FY 12 \$120 M for pavement preservation
- FY 12 \$15 M for minor pavement preservation and preventive surface treatment projects

Experience with In-Place Recycling



Recent Recycling Projects:

SR 95 [CIR]
MP 132 - 141

SR 72 [CIR]:
MP 13.2 - 14.5

US 60 [CIR]:
MP 49.56 - 62.50

SR 347 [HIP]:
MP 173.96 - 184.25

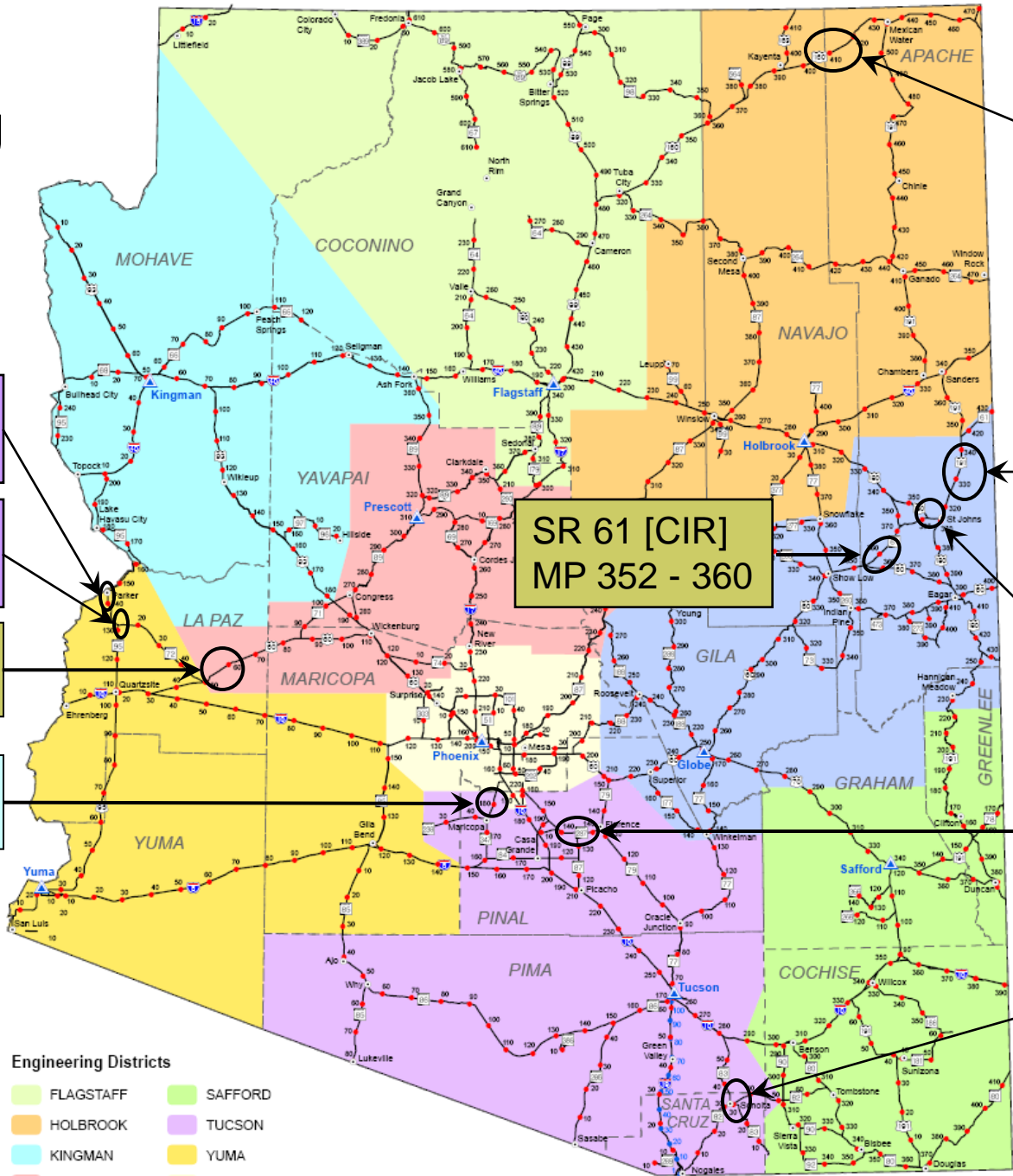
US 160 [CIR]:
MP 402.00-416.00

US 191 [HIP]:
MP 327.95-338.00

US 180 [HIP]
MP 347.00-358.20

SR 287 [HIP]:
MP 135.3-142.6

SR 83 [HIP]:
MP 31.64-43.50

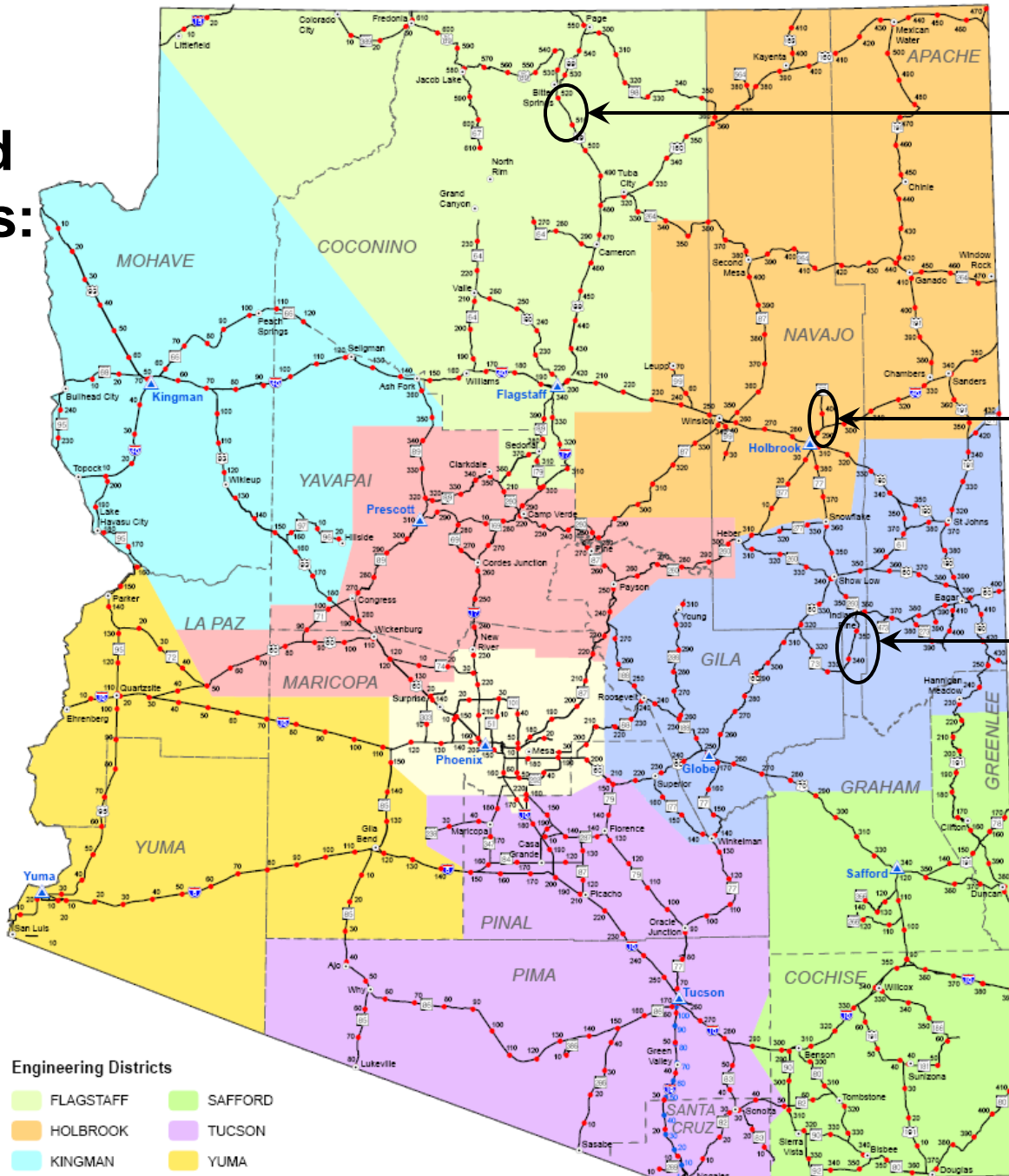


SR 61 [CIR]
MP 352 - 360

- Engineering Districts
- FLAGSTAFF
 - HOLBROOK
 - KINGMAN
 - PRESCOTT
 - GLOBE
 - SAFFORD
 - TUCSON
 - YUMA
 - PHOENIX MAINTENANCE



Current or Planned Projects:



US 89 [CIR]
MP 510.0 – 517.4

SR 77 [CIR]
MP 395.4 – 408.9

SR 73 [HIR]
MP 342 - 350

- Engineering Districts
- | | |
|-----------|---------------------|
| FLAGSTAFF | SAFFORD |
| HOLBROOK | TUCSON |
| KINGMAN | YUMA |
| PRESCOTT | PHOENIX MAINTENANCE |
| GLOBE | |



Five Year Recap

- CIR (six projects) ~ 1 Million SY
 - Project Costs ~ \$12.4 Million
- HIR (five projects) ~ 1.1 Million SY
 - Project Costs ~ \$15.3 Million

Why We Are Using In-Place Recycling

- Remoteness of projects
- Availability of aggregates
- Long hauls for hot mix
- The need to do more with less \$\$\$\$

Utilizing More In-Place Recycling

- ❑ Need the right project
- ❑ Previous experiences
- ❑ Turnover / new employees / education
- ❑ Establishing statewide contracts for in-place recycling
- ❑ Incorporating End-Product specifications to recycling projects

ARIZONA FACT



▣ State Mammal



▣ Ringtailed Cat



Thank You