

USACE and Landscape Architecture

EWN Workshop
25 July 2017

Kevin S. Holden, PLA

LA CoP Leader



US Army Corps of Engineers
BUILDING STRONG®



Rio Salado Environmental Restoration Project CONCEPT



Environmental / River Restoration



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Rio Salado Environmental Restoration Project CONCEPT



Aerial View of the Rio Salado Environmental Restoration Project

The Project covers a 5-mile stretch of the Salt River from 19th Avenue on the west and 24th Street on the east. Project features include:

- | | |
|--|--------------------------------------|
| 1. Waterfall of Recycled Rock that Supplies Wetlands | 11. Nature Center |
| 2. Central Avenue Gateway | 12. Mesquite Bosque Habitat |
| 3. Central Avenue Water Supply Reservoir | 13. Demonstration Wetlands |
| 4. Outdoor Classroom | 14. 7th Street Staging Area |
| 5. Bridge to Visitor Center and Habitat | 15. Low-Flow Channel |
| 6. 7th Avenue Staging Area | 16. Lower Sonoran Mesquite Habitat |
| 7. Saltbush Habitat | 17. Multiuse Trail |
| 8. Equestrian Staging Area | 18. 16th Street Staging Area |
| 9. Cottonwood-Willow Habitat | 19. Maintenance Road |
| 10. Gateway | 20. Lower Sonoran Palo Verde Habitat |

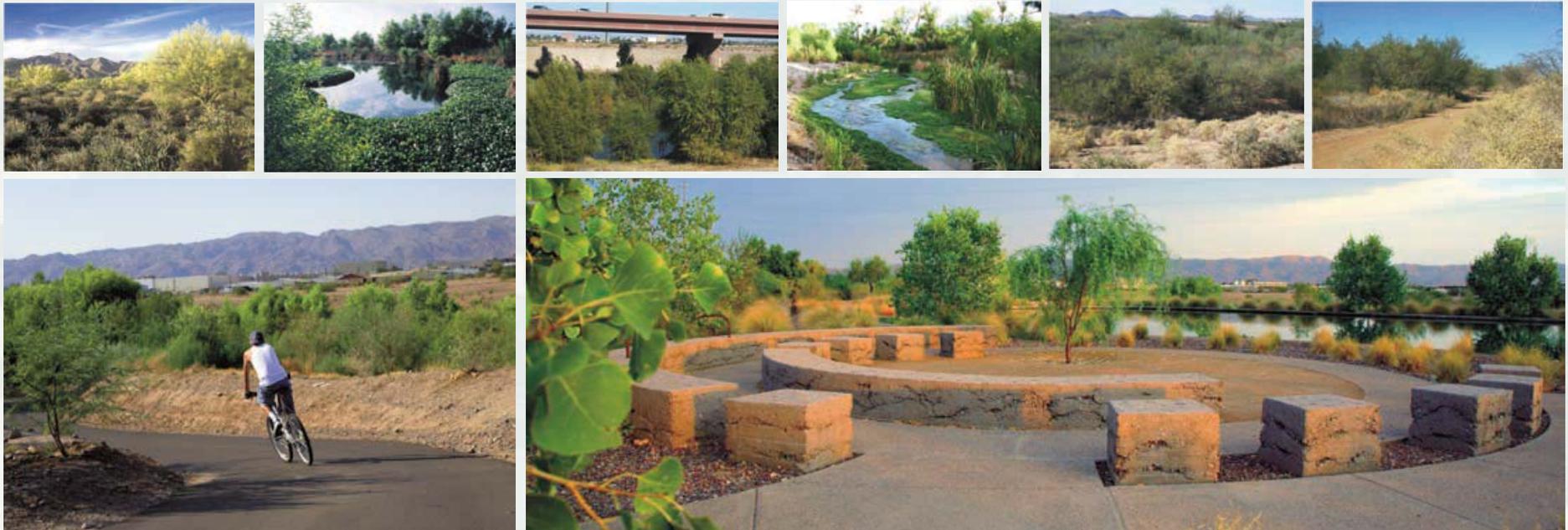
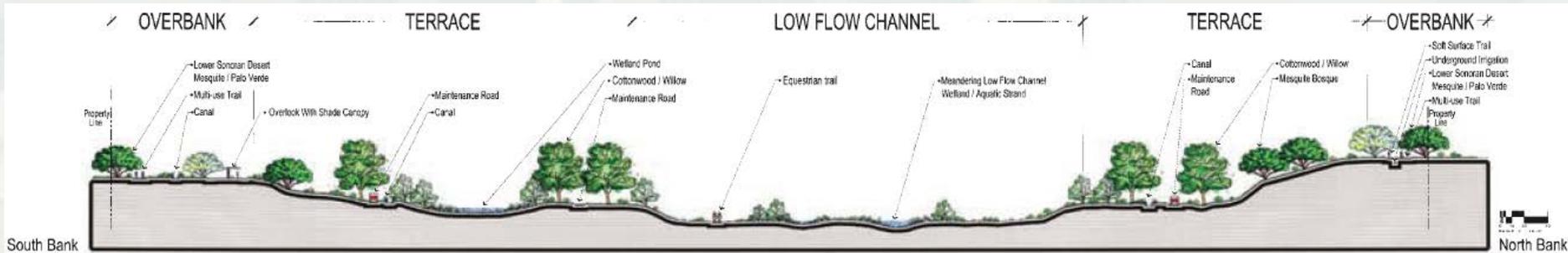


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TEAM

- Design Firm: CH2M HILL, Tempe, Arizona
- Design District: USACE, Los Angeles District
- Owner: City of Phoenix, Arizona
- Design Subconsultants:
 - ▶ J2 Engineering and Environmental Design, LLC
 - ▶ Ten Eyck Landscape Architects
 - ▶ Wass Gerke and Associates
 - ▶ Hoque and Associates
 - ▶ Aqua Engineering, Inc.
 - ▶ Forman Architects
- Construction Contractor: Stronghold Engineering, Inc.



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FUNDING

- Cost-Share
- 65% Federal / 35% Local (bond issue)

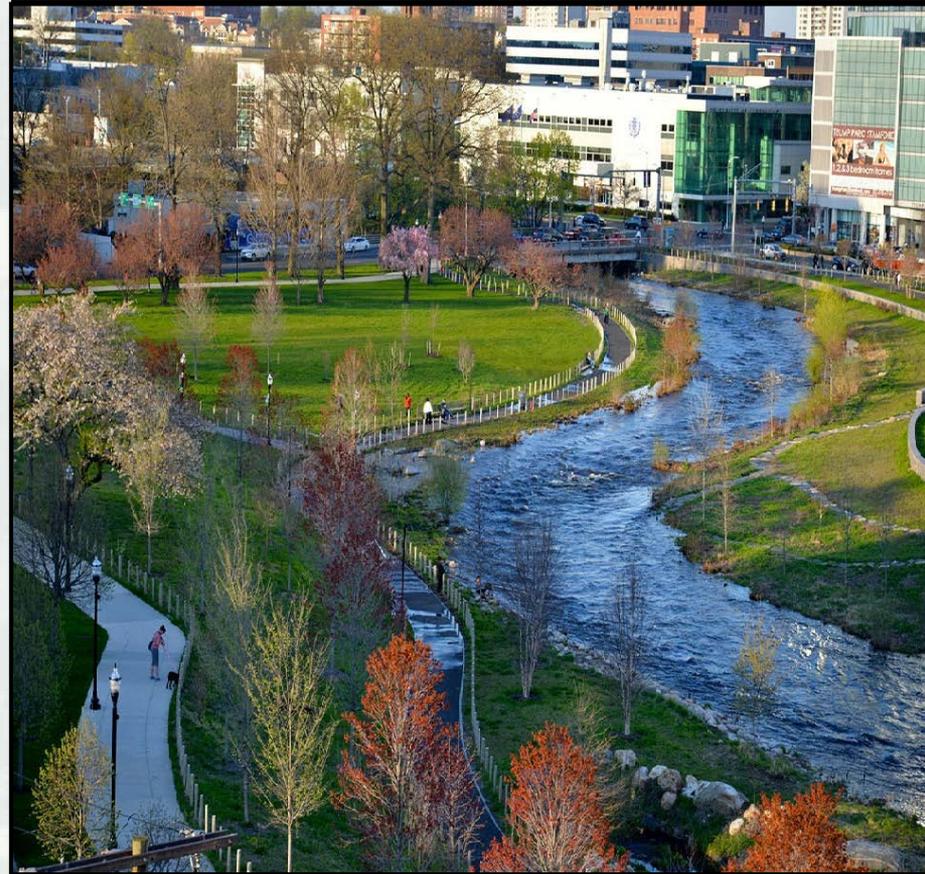


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Engineering versus LA



Mill River – Without LA



Mill River – With LA



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Rio Salado Environmental Restoration Project

METHODOLOGY



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Rio Salado Environmental Restoration Project IMPLEMENTATION



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Rio Salado Environmental Restoration Project MANAGEMENT



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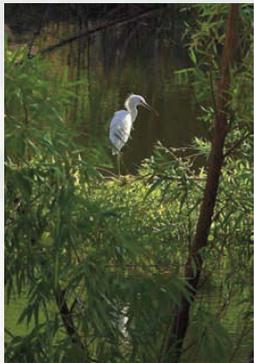
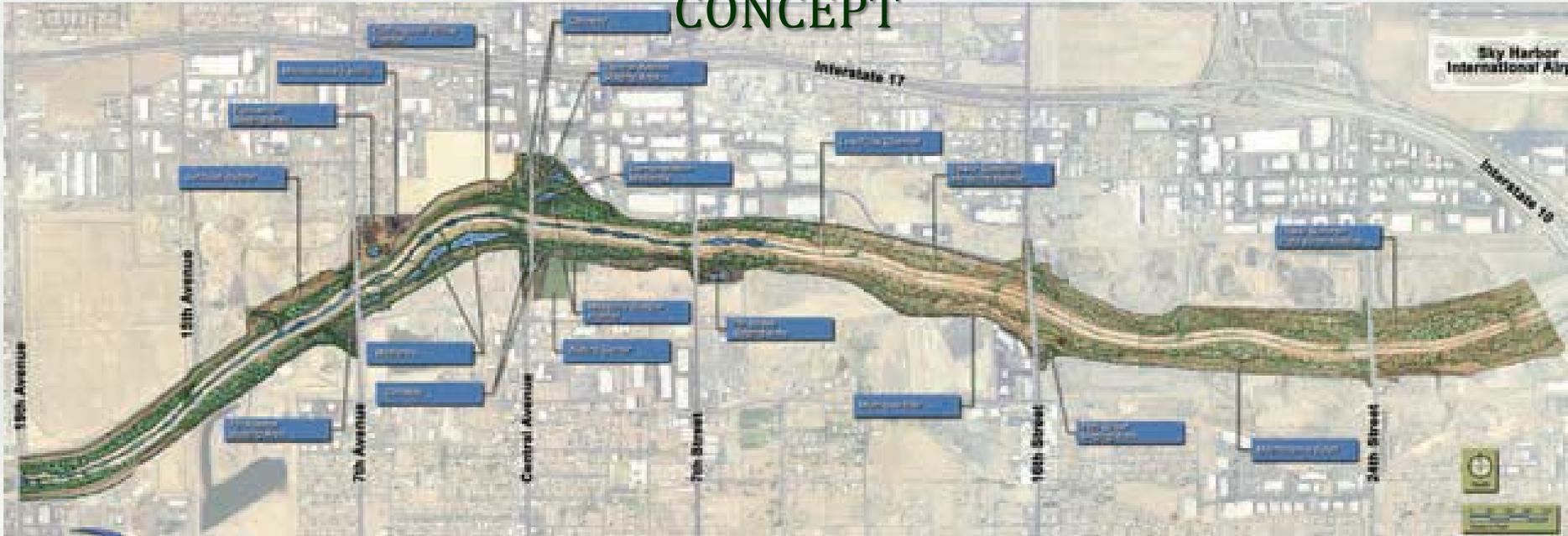
Rio Salado Environmental Restoration Project

OUTCOMES/IMPACTS



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