

First Amendment to Intergovernmental Agreement El Rio Watercourse Implementation and Management Plan

- IGA executed in December 2013
- Participants include:
 - Maricopa County Planning and Development
 - Maricopa County Flood Control District
 - City of Avondale
 - City of Buckeye
 - City of Goodyear
- Consultant hired in October 2014
- Project initiated in November 2014

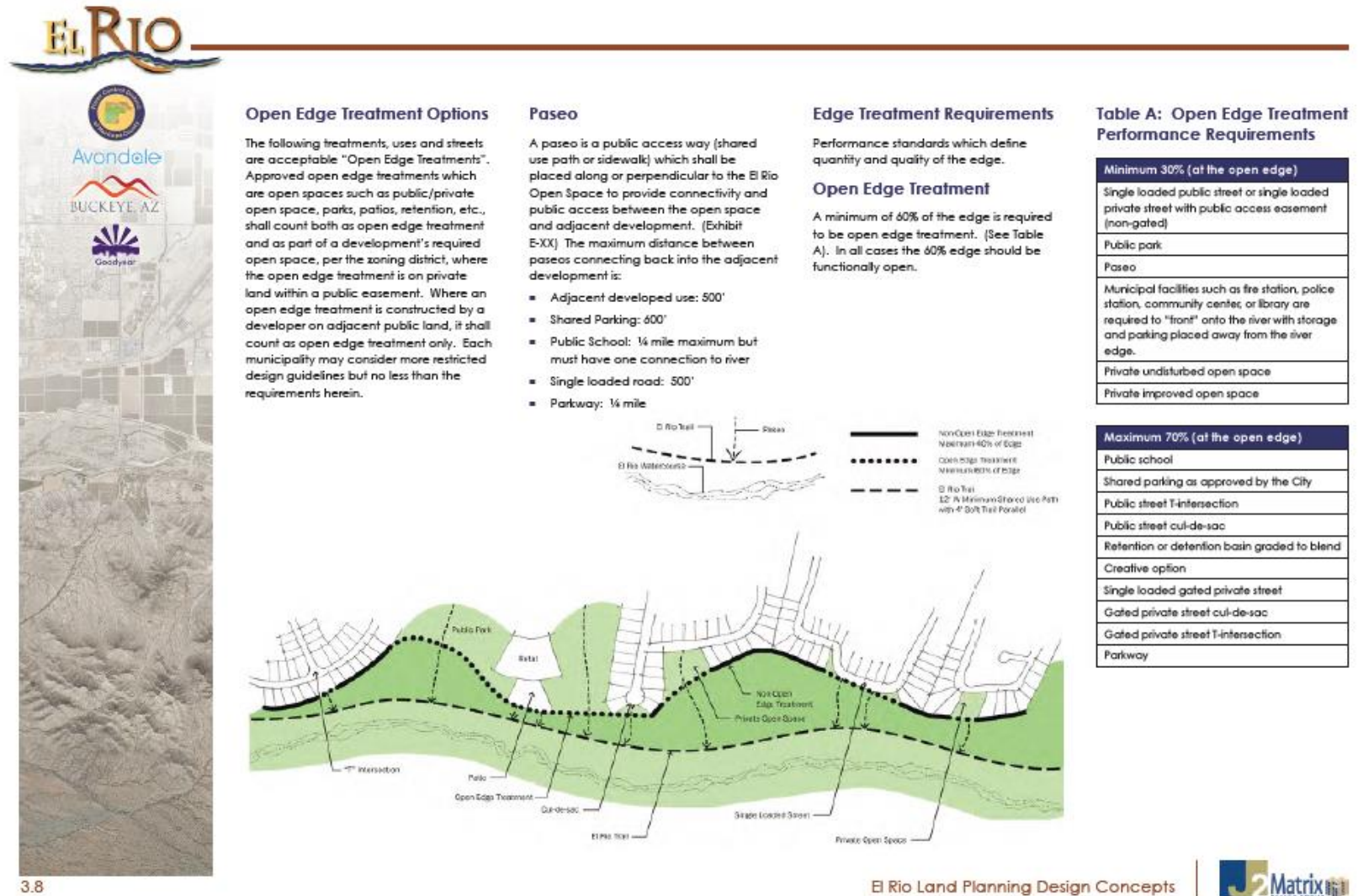
First Amendment to Intergovernmental Agreement El Rio Watercourse Implementation and Management Plan

- IGA expired June 30, 2015 – To be extended to June 30, 2016
- New projected completion date November 2015
- Purpose of project is to develop design guidelines for development adjacent to Gila River
- Study area extends from confluence with Agua Fria River to SR85
- Includes trail standards, development standards and signage standards
- Also includes conceptual site plan for a pilot project in each city

Examples of Open Edge Condition Treatment

Access to trail at:

- Public open spaces
- Common areas
- Street frontages
- End of cul-de-sacs



Examples of Edge Condition Treatment With Levee

Development adjacent to trail:

- Landscaped setback
- Common trail standards



Avondale

BUCKEYE, AZ

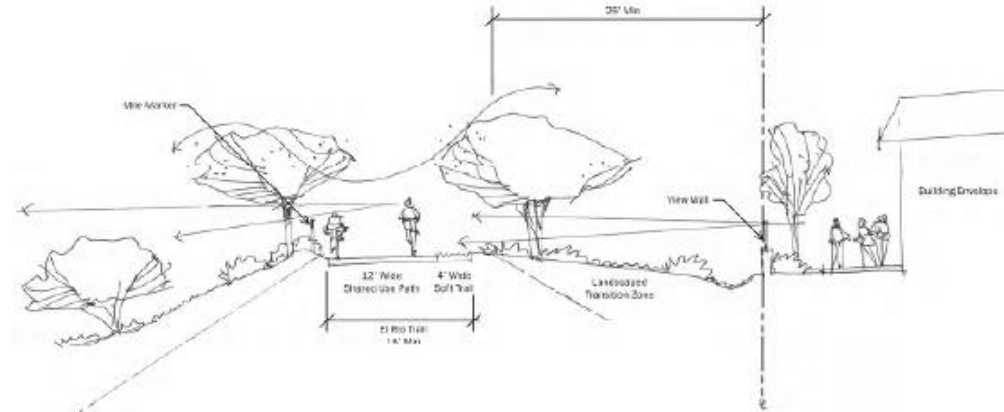


Goodyear

3.10

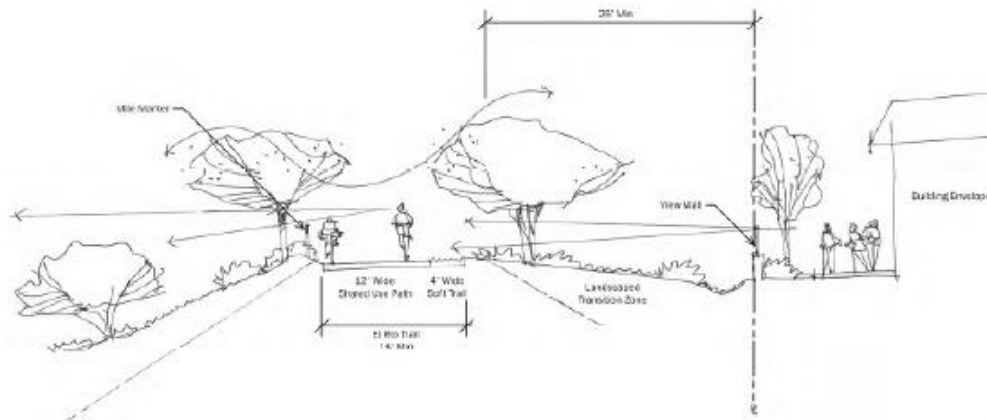
Edge Condition Levee with Greater than 1'-0" Grade Difference

In instances where the edge occurs adjacent to a structural levee the El Rio trail is programmed to be 12'-0" of shared use path, with a 4'-0" adjacent soft surface trail as show in exhibit E-3. This treatment applies only when the grade differential between the El Rio Trail elevation is greater (higher) than the surrounding development. The recommendation of these guidelines is that there should be a 25'-0" landscaped setback from the El Rio trail edge to any proposed development. This area allows the municipality to work hand in hand with the surrounding development to create an agreement on the landscape treatment and maintenance of this area. The 25'-0" landscape zone allows for a grade transition from development landscape to the more native and desert ecosystem planting design that is to be associated with the El Rio trail system.



Edge Condition Levee with Less than 1'-0" Grade Difference


In instances where the edge occurs adjacent to a structural levee the El Rio trail is programmed to be 12'-0" of shared use path, with a 4'-0" adjacent soft surface trail as show in exhibit E-4. This treatment applies only when the grade differential between the El Rio Trail elevation is within 1'-0" of the the surrounding development. The recommendation of these guidelines is that there should be a minimum of 15'-0" to 25'-0" setback from the El Rio trail edge to any proposed development. This area allows the municipality to work hand in hand with the surrounding development to create an agreement on the landscape treatment and maintenance of this area. The 6'-0" landscape zone allows for a grade transition from development landscape to the more native and desert ecosystem planting design that is to be associated with the El Rio trail system.



Example of Navigation Signs

Navigation Signs:

- Identifies routes
- Provides directions
- Consistent with MAG standards
- Incorporates project and community names



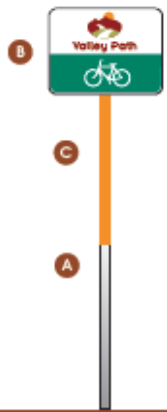
Signage - Navigation & Regulatory Elements

The following 2 descriptions are taken from valley path guidelines, modified as appropriate

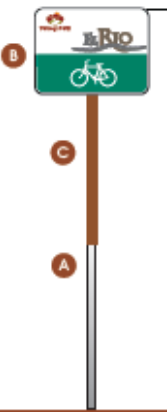
Bicycle Path Confirmation
This is a path confirmation sign and should be located at points along the bicycle path to assure cyclists they are on the correct route. This is a MUTCD-compliant sign type, using MUTCD approved typefaces, arrows and icons.

Regulatory
These signs supply the framework for information regulating behavior expectations. They can be standards (stop, yield, merge, etc.) as well as any specific directives particular to El Rio - i.e. "please stay on path"


Mile Marker
This is an informational sign for all path users and may be located at 1/4 mile increments each trail.




Valley Path standard bicycle path confirmation



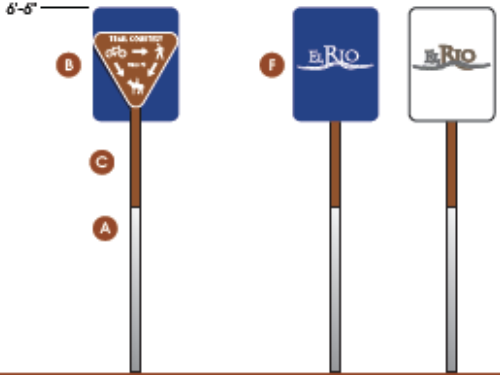
Valley Path standard modified for El Rio



Valley Path standard mile marker



Valley Path standard modified for El Rio



Regulatory signs based on Valley Path standards

A 2" square unfinished aluminum tubing (if installed in river bottom, flexible post such as "carsonite" to be used to mitigate flood damage)

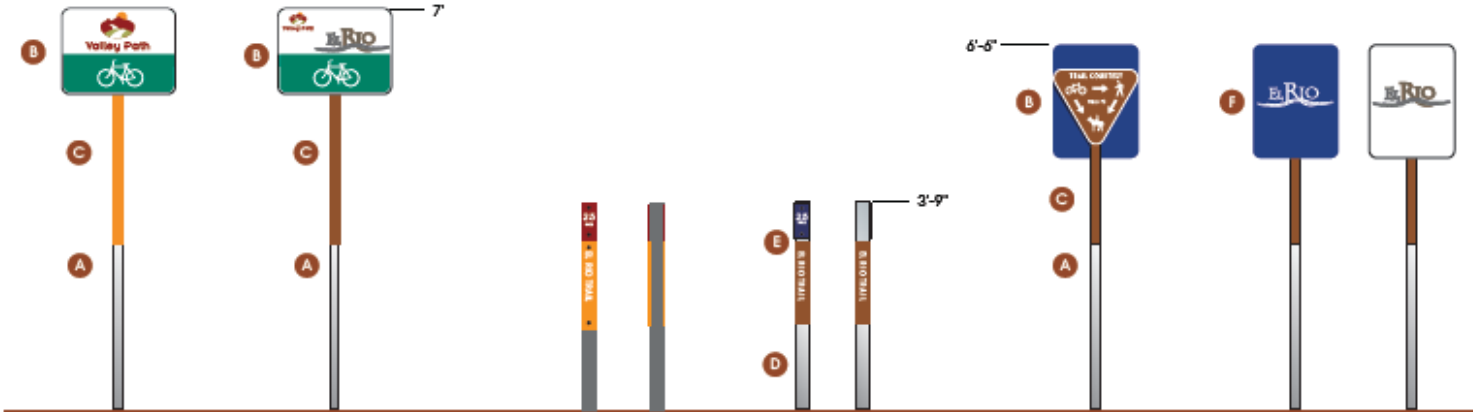
B standard aluminum panel with reflective vinyls and graphics - mechanically attached to aluminum tubing. back of panel is painted white.

C 2" wide applied reflective vinyl strip

D 3" square galvanized steel tube


E painted aluminum panels with reflective white vinyl text mechanically attached to steel tube.

F standard aluminum backer panel with reflective vinyl and graphics.



3.x 4.16.15

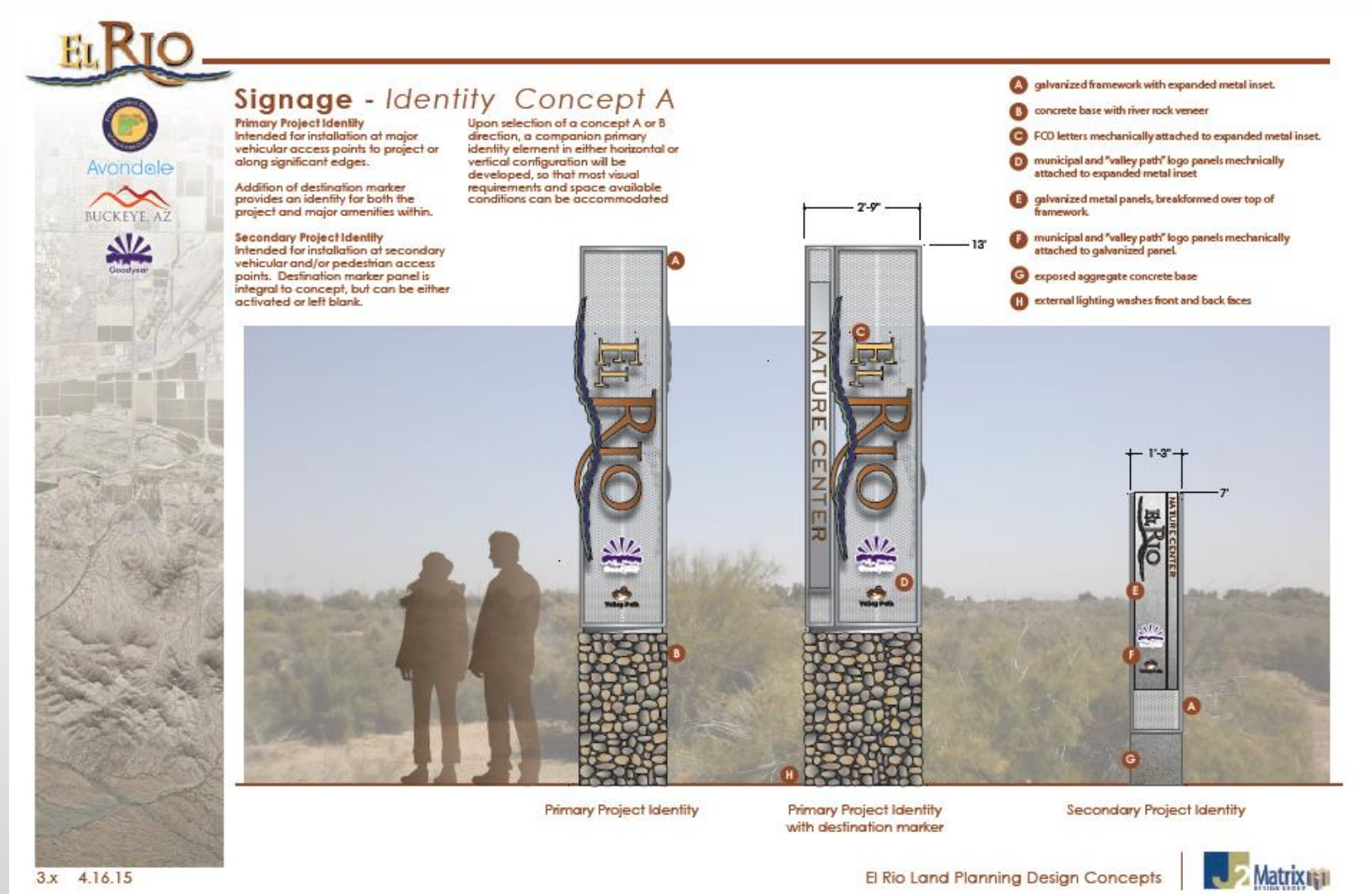
El Rio Land Planning Design Concepts



Example of Project Identity Signs

Project Identity Signs:

- Identifies project
- Unique to community
- Suggested materials and design



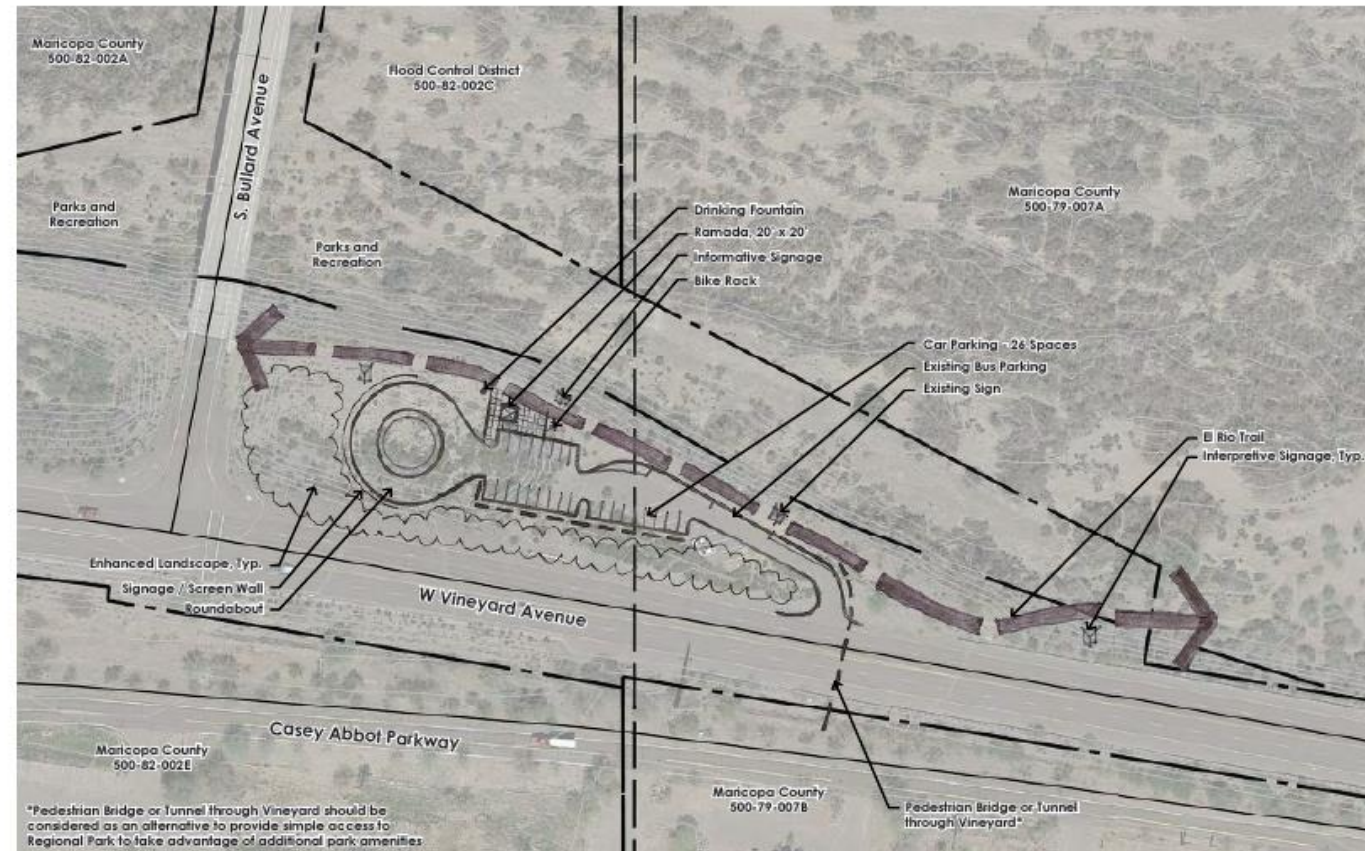
Goodyear Pilot Project

8

Pilot Project:

- Location identified in Parks Master Plan
- Origin/destination point along Maricopa Trail
- Builds upon County existing project
- Provides access to future trails along river

Goodyear - Preferred Concept, "Light Footprint"



First Amendment to Intergovernmental Agreement El Rio Watercourse Implementation and Management Plan

QUESTIONS?

City Council Presentation
July 13, 2015