# 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





### Open Edge Treatment Options

The following treatments, uses and streets are acceptable "Open Edge Treatments". Approved open edge treatments which are open spaces such as public/private open space, parks, patios, retention, etc., shall count both as open edge treatment and as part of a development's required open space, per the zoning district, where the open edge treatment is on private land within a public easement. Where an open edge treatment is constructed by a developer on adjacent public land, it shall count as open edge treatment only. Each municipality may consider more restricted design guidelines but no less than the requirements herein.

#### Paseo

A paseo is a public access way (shared use path or sidewalk) which shall be placed along or perpendicular to the El Rio Open Space to provide connectivity and public access between the open space and adjacent development. (Exhibit E-XX) The maximum distance between paseos connecting back into the adjacent development is: Adjacent developed use: 500°

- Shared Parking: 600'
- Public School: ¼ mile maximum but must have one connection to river
- Single loaded road: 500°
- = Parkway: ¼ mile

#### Performance standards which define quantity and quality of the edge.

**Edge Treatment Requirements** 

#### Open Edge Treatment

A minimum of 60% of the edge is required to be open edge treatment. (See Table A). In all cases the 60% edge should be functionally open.

### Table A: Open Edge Treatment Performance Requirements

#### Minimum 30% (at the open edge)

Single loaded public street or single loaded private street with public access easement (non-gated)

Public park

Municipal facilities such as fre station, police station, community center, or library are required to "front" onto the river with storage and parking placed away from the river

Private undisturbed open space

Private improved open space

#### Maximum 70% (at the open edge)

Shared parking as approved by the City

Public street T-intersection

Public street cul-de-sac

Retention or detention basin graded to blend

Single loaded gated private street

Gated private street cul-de-sac

Gated private street T-intersection

### CORNESSES TREASURED Public school Creative option Parkway

Private Open Space

### Examples of Edge Condition Treatment With Levee

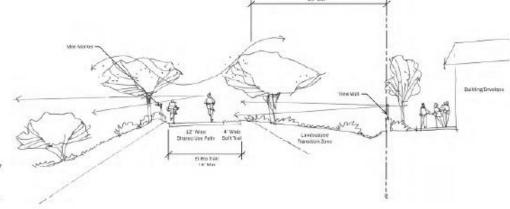
# Development adjacent to trail:

- Landscaped setback
- Common trail standards



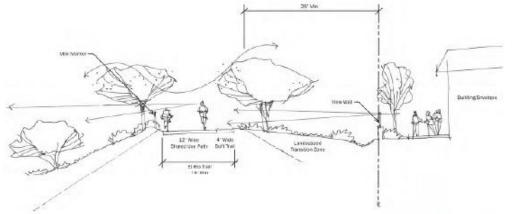
#### Edge Condition Levee with Greater than 1'-0" Grade Difference

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" landscape 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 B 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

Avondole

### **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

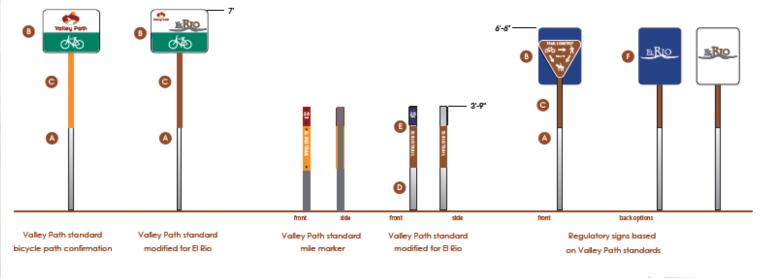
Bicycle Path Confirmation

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.

Mile Marker

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

- 2" square unfinished aluminum tubing (if installed in river bottom, flexible post such as "carsonite" to be used to mitigate flood damage.)
- standard aluminum ponel with reflective vinyls and graphicsmechanically attached to aluminum tubing, back of panel is painted white.
- 2" wide applied reflective vinyl strip
- 3" square galvanized steel tube
- painted aluminum panels with reflective white vinyl text mechanically attached to steel tube.
- standard aluminun backer panel with reflective vinyl and graphics.





# Example of Project Identity Signs

### **Project Identity Signs:**

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

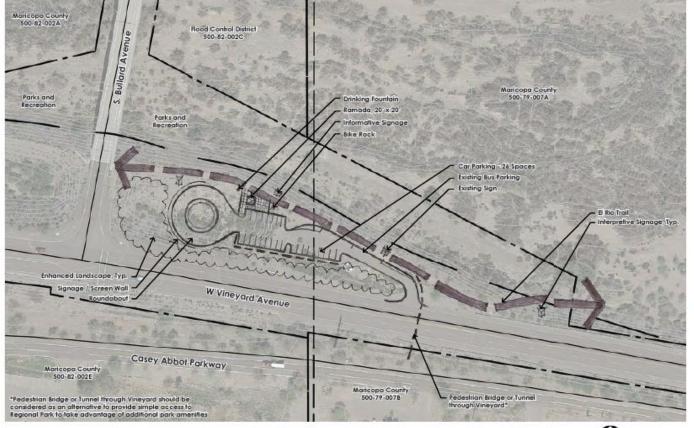


## Goodyear Pilot Project

### 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"









Pilot Projects



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# QUESTIONS?

City Council Presentation
July 13, 2015