

City of Peoria

Multi-Modal Transportation Plan

Bus Stop Practices in Other Communities



April 1, 2010

Nelson | Nygaard
consulting associates

In Association with:
Jacobs
Sherman Group, Inc.
Telvent

Overview



- ***Reviewed bus stop practices in five other Arizona Communities:***
 - Phoenix
 - Tucson
 - Mesa
 - Scottsdale
 - Tempe
- ***Purpose was to determine:***
 - How artwork is incorporated into bus stops in other communities.
 - To determine costs and maintenance experience.
 - To gain insights into how Peoria should incorporate artwork.

Types of Shelters

- ***Generally speaking, other communities use four different types of shelters:***
 - *Art bus shelters*
 - *Custom; for special types of service or locations*
 - *Developer installed shelters*
 - *Standard bus shelters; with and without advertising*

Art Bus Shelters: Phoenix

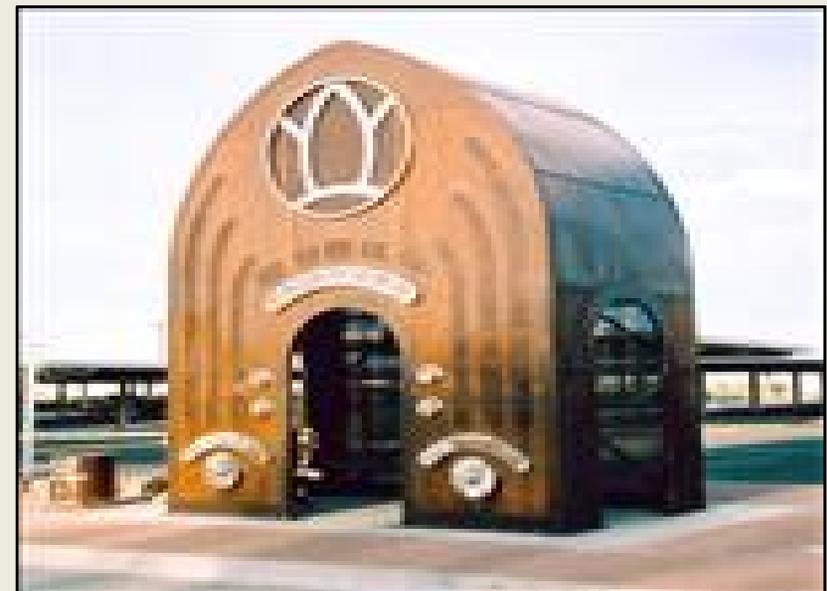
Places for People (on 35th Avenue)

- *Five rusted steel bus shelters and fifteen powder-coated benches*
- *Constructed: 2008*
- *Cost: \$300,000*
 - Included: Solar lighting.
 - Not included: footings, paving
 - Part of overall streetscape project
- *Artist: Mary Lucking*



Cricket Pavilion Area Shelter

- *Constructed: 2005*
- *Cost: \$34,000*
- *Artist: Joe Tyler*



Art Bus Shelters: Mesa

Rain Bus Shelter

- *Location: Mesa Arts Center*
- *Constructed: 2009*
- *Cost: \$300,000*
- *Part of LINK*
- *Artist: Laurie Lundquist*



Mesa Oasis

- *Victorian bird cage provided the inspiration for this 20-foot tall steel and copper structure.*
- *Constructed: 2004*
- *Cost: \$35,000*
- *Artist: Joe Tyler*



Art Bus Shelters: Scottsdale

Wavelength

- *Constructed: 2005*
- *Capital Cost: \$40,000*
- *Artist: Kevin S. Berry*



Scottsdale Healthcare Bus Shelter

- *Constructed: 2006*
- *Capital Cost: \$30,000*
- *Artist: Kevin S. Berry*



Art Bus Shelters: Tempe

Come Together

- *Location: Tempe High School*
- *Constructed: 1995*
- *Capital Cost: \$14,500*
- *Artist: Joe Tyler*



Waiting for a Date

- *Location: University Drive*
- *Constructed: 1995*
- *Cost: \$14,500*
- *Artist: Joe Tyler*



Art Bus Shelters: Tucson

Oak Flower Neighborhood Shelter

- *Steel bus shelter with solar-powered LED lighting*
- *Constructed: 2004*
- *Capital Cost: \$27,000*
- *Artist: Mary Lucking*



Arbor Depot

- *Location: Pima County Courthouse*
- *Constructed: 1998*
- *Capital Cost: \$17,000*
- *Artist: Joe Tyler*



Custom Bus Shelters: Phoenix

Rapid Bus

- *Number: 14*
- *Capital Cost: \$ 75,000 per shelter*
 - *Not including installation*
- *Maintenance Costs: \$153,000 per month for all shelters.*
 - *Includes Art Shelters for trash pick up and minor graffiti*



Central Avenue Streetscape

- *Number: 4 (were more, but most replaced by light rail stations)*
- *Constructed: Late 1980's*



Custom Bus Shelters: Mesa

Mesa's LINK Line

- *Constructed: 2007-2008*
- *Location: Main Street*
- *26 Custom BRT fiberglass shelters.*
- *Capital Costs: Varies \$80,000-\$100,000 per location.*
- *Valley Metro project turned over to Mesa*
- *Other: a tree planted at either end for shade.*



Main Street Streetscape

- *Constructed: 2000-2003*
- *Capital Cost: \$16,000*



Developer Bus Shelters: Phoenix

Mid-Rise Office

- *Location: 24th St. & Camelback Rd.*
- *Capital Cost: Developer*
- *Maintenance: City*



CVS Drug Store

- *Location: 16th St. & Camelback Rd.*
- *Capital Cost: Developer*
- *Maintenance: City*



Developer Bus Shelters: Scottsdale

Office Building

- *Location: Scottsdale Road.*
- *Capital Cost: Developer pays cost*
- *Maintenance: City*



Scottsdale Healthcare

- *Constructed: early 2000s*
- *Cost: \$30,000 by Developer*
- *Artist: Kevin S. Berry*
- *Maintenance: City*



Standard Bus Shelters: Phoenix

Standard shelters without advertising

- *Capital cost: \$5,000*
 - *Includes solar lights, bench and trash can.*
 - *Does not include installation.*
- *Maintenance Costs: Approximately \$100 per month per shelter.*
- *Number: 1,436*



Standard shelters with advertising

- *Installed and maintained by advertising company.*



Standard Bus Shelters: Mesa w/o Ads

- 219 total shelters.
- Capital Costs: \$25,000 for 2-bench model; \$15,000 for 1-bench model.
- Maintenance Costs: \$700 to \$900 per year per shelter.



Standard Bus Shelters: Scottsdale w/o Ads

Blue Canvas Bus Shelter

- *Over 20 years old*
- *Being discontinued*



Metal Roof Bus Shelter

- *Being used to replace older shelters*
- *Cost: \$24,000 installed*



Standard Bus Shelters: Tempe

- ***194 copper-roofed standard shelters without advertising***
- ***Capital Costs: \$ 8,200***
 - *Includes bench, flip bench, trash can, schedule, sign and bike hoop.*
 - *Does not include installation.*



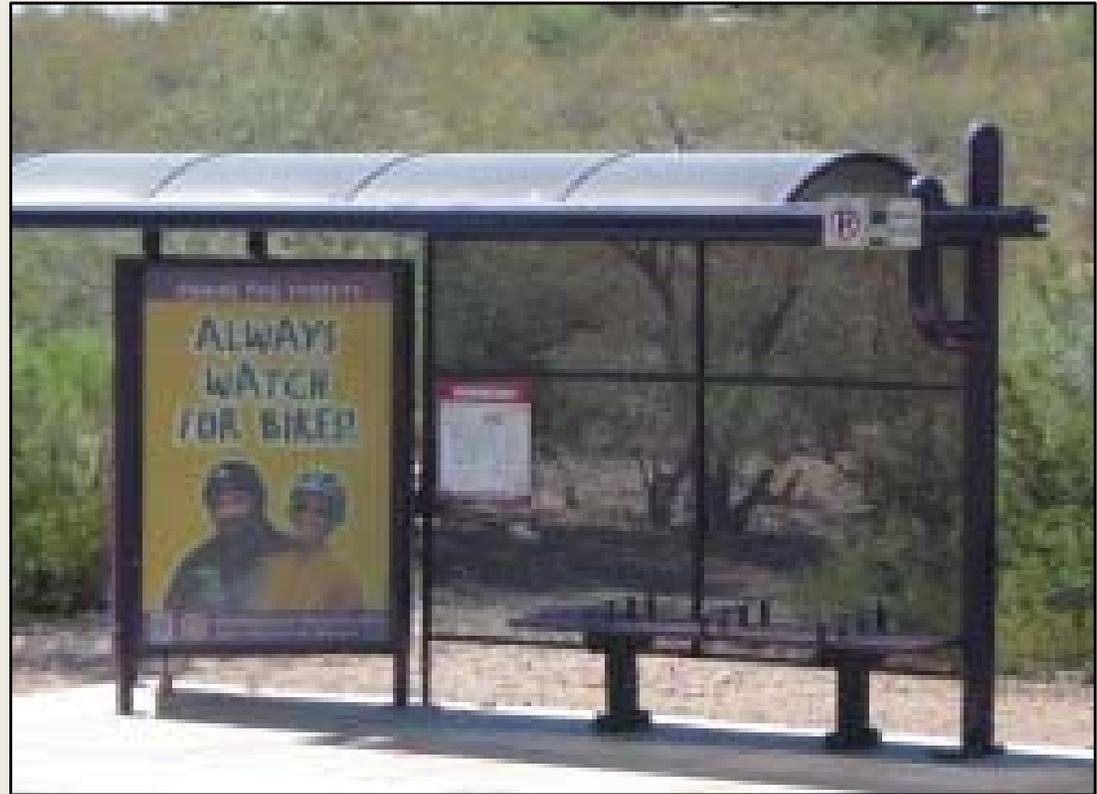
Standard Bus Shelters: Tucson w/o Ads

- *“Standard” bus shelters custom designed by architect in 1999.*
- *City likes them as they are solid, provide good sun and rain protection, and have held up through the years.*
- *Maintenance Costs: ATA, the advertising company, spends \$468,000 per year maintaining 370 shelters, 395 benches and 86 city owned shelters (\$550 per location).*



Standard Bus Shelters: Tucson w/Ads

- Advertising company (ADA) used a standard shelter and added a Saguaro to customize it for Tucson.
- Tucson also now starting to install these without advertising.
- Cost: \$8,200 without advertising.



Capital and Maintenance Costs

■ **Capital Costs:**

- Art Bus Shelters
 - \$20,000 - \$60,000
 - *\$40,000 is realistic cost for 2010.*
- Custom: \$75,000-\$100,000.
- Standard: \$5,000-\$24,000.

■ **Maintenance Costs:**

- Art Bus Shelters: \$700 to \$1,200 per year.
- Custom Bus Shelters: \$550 to \$1,200 per year.
- Standard: \$0 (with advertising) to \$900 per year.

Peoria Stop Types: Existing

- ***In Peoria, most bus stops are one of two types:***
 - **With Shelter:** Most Peoria bus stops provide the standard Phoenix advertising shelter.
 - All stops with shelters provide seating within the shelter, and have paved waiting areas.
 - Most have a bus stop sign and a trash can.
 - All also have advertising, either on one wall of the shelter or on a free standing triangular pylon.
 - **Without Shelter:** Stops without shelters often consist simply of a bus stop sign. A few also provide a bench.



Peoria Stop Types: Proposed

- ***Develop a hierarchy of stops based on location and ridership:***

Short-Term

- **Signature Stops** in key high visibility locations where design is particularly important and/or can contribute to the vitality and character of the area.
- **Standard Art Stops** in prominent locations that would be smaller scale stops with artwork built into the design of the stop.
- **Regular Stops** that would provide a basic set of amenities, including shelters. Artwork could be incorporated into the design of the standard shelter.
- **Low Volume Stops** that serve few riders and that would have limited facilities.

Mid to Long-Term

- **Transit Centers** that handle high volumes of passengers would include similar elements as Signature Stops, plus additional passenger amenities.
- **HCT Stops** that would be specially designed “stations” similar to those constructed for other Valley high capacity transit services.

Peoria Stop Types: Proposed

- Proposed hierarchy and associated facilities and amenities:

| | Transit Centers | HCT Stops | Signature Art Stops | Standard Art Stops | Regular Stops | Low Volume Stops |
|--------------------------|-----------------|-----------|---------------------|--------------------|---------------|------------------|
| Station/Stop Signage | √ | √ | √ | √ | √ | √ |
| Lighting | √ | √ | √ | √ | √ | √ |
| Seating | √ | √ | √ | √ | √ | √ |
| Paved/Accessible Area | √ | √ | √ | √ | √ | √ |
| Standard Shelter w/o Art | | | | | √ | |
| Standard Shelter w/ Art | | | | √ | | |
| Custom Shelter(s) w/ Art | √ | √ | √ | | | |
| Bike rack | √ | √ | √ | √ | √ | |
| Route Map(s) | √ | √ | √ | √ | √ | |
| Trash Can | √ | √ | √ | √ | √ | |
| Transit system map | √ | √ | √ | | | |
| Schedule information | √ | √ | √ | | | |
| Real-time schedule info | √ | √ | | | | |
| Ticket vending machines | √ | √ | | | | |
| Unique design | √ | √ | | | | |
| Landscaping | √ | √ | | | | |
| Public art | √ | √ | | | | |
| Passenger drop-off area | √ | Possible | | | | |
| Local area info/maps | √ | Possible | | | | |
| Enclosed waiting area | Possible | | | | | |
| Restrooms | Possible | | | | | |

Selection of Peoria Art Stop Locations

Develop stakeholder group to work with city to identify and prioritize locations:

1. Develop Stakeholder Group:

- 2 to 3 artists from the local community who have previously developed art bus stops in Arizona.
- Members of the Peoria Arts Commission who have an interest in evaluating various bus stops in Peoria for art bus shelters.
- Interested members of other commissions and boards.
 - *(For example: Economic Development Advisory Board, Central Peoria Revitalization Plan Advisory Committee, Historic Preservation Commission, Peoria Sports Complex Area Urban Design Plan Project Advisory Committee, Parks and Recreation Commission, etc.).*
- Interested Peoria citizens.



Proposed Peoria Art Bus Stop Process

2. City staff works with stakeholder group to develop selection criteria for Art Bus Stops. For example:

- **Transit Centers/High Ridership Stops** such as the Old Town Transit Center.
- **Major Entry Points**, such as Peoria Ave at 67th Ave and Peoria Ave at 99th Ave.
- **Cultural Activity Areas** such as the Peoria Sports Complex, the Peoria Center for the Performing Arts, and Rio Vista Park.
- **Major Shopping Destinations.**
- **Historic Areas/Buildings** such as Old Town and Peoria High School.
- **Schools.**
- **Medical Centers such as the Peoria Regional Medical Center.**

3. City staff works with stakeholder group to select specific locations for Art Bus Stops.

- Apply selection criteria to identify specific locations.
- City staff and stakeholder group prioritizes locations.

