City of Tempe Transit Shelter

Design Considerations

- Scalable
- Easily Constructed
- Modular Components
- Options for AM/PM
- Vertical Panels
- Maximizing Shade
- Heat-Reduction
- Recyclability
- Life Cycle
- Striking Form / Colors
- Fits Within Tempe Vision
- Unique
- Sustainable
- Safety
- Clear Sight Lines
- Lighting
- Accessibility
- Maintainable
- Vertical Panels
- Vandal Resistant
- Readily Available Materials
- Flexible
- Visually Interesting

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Potential Materials

- Corian Panels
- Architectural Mesh
- Cement Panels
- Architectural Color Mesh
- Gabion Basket w/ Glass Mulch
- Perforated Corrugated Panels
- Patterned Metal Panels
- Perforated Panels
- Bar Grating
- Vine Screen
Potential Materials

- Patterned Metal Panels
- Fabric Panels
- Solar Panels
- Solid HDPE Panels
- 3form Panel
- Blue Lithocrete
- Lit Acrylic Panel
- Sandblasted Lettering
- Heavy Sandblast Finish
- Painted Steel I Beams
- Painted Steel Pipes
A Few Ideas We’ve Heard

- Misters
- Drinking Fountains
- Plants / Trees
- Live Info / Tech

Research - What We’ve Learned

- Phoenix Tested a Transit Shelter With Misters, Challenges With the System Required Extensive Maintenance & Costs Were High
- Access to Water
- Long Term Maintenance
- Power Source Req’d if Chilled
- Access to Water
- Setting Up An Irrigation System
- Long Term Maintenance
- Need for Additional Power Source
- Access to Internet for Real Time Updates
- Requires Coordination With Metro Data System
Concept A

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Concept A - Materials

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TyLin | J2 Design

- Perforated Frames
- Architectural Mesh
- Painted T Beam posts
- Lit Acrylic sign
- Cast Concrete Seating
- Blue Lithocrete
- Heavy Sandblast
Concept B - Materials

- Vine Screen
- Perforated Corrugated Panels
- Painted I-Beam Posts
- Lit Acrylic Infill
- Tempe "Logos" Panel

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Concept D
Concept D - Materials

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Concept E - Materials

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Concept F

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Concept F - Materials

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Solid HDPE Panels
Architectural Mesh
Painted Round Pipes
Sandblasted Lettering

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Roof Materials

Concept G - Materials

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Concept H
Concept H - Materials

Blue Lithocrete
Heavy Sandblast

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Concept I - Materials

- Cast in Place Concrete
- 3 Form Panels
- Solid HDPE Panel
- Blue Lithocrete
- Heavy Sandblast