Contents

Introduction ................................................................. 4-5
Existing Urban Freeways With Established Aesthetic Themes ........ 6
New Freeway Segments & Other New State Highway Projects ......... 8-11

ADOT Standard Baseline Aesthetics

Even Vertical Rustication .............................................. 12-13
Random Vertical Rustication .......................................... 14-15
Saguaro Icon ................................................................. 16
Lizard Icon ................................................................. 17
Standard Aesthetic Patterns & Icon Examples ........................ 18-19
Baseline Barrier Pattern .............................................. 20-27
MSE Wall Panels .......................................................... 28-30
Pedestrian Fence Aesthetic Example .................................. 32
Concrete Masonry Unit Wall .......................................... 33
Baseline Aesthetic Examples ........................................... 34-35
Aesthetic baseline guidelines shall apply to all new State Highway system projects and freeway widening projects.

For all new highway segments and freeway expansion projects required aesthetics shall be identified during the development of the Design Concept Report (DCR). For projects where the original DCR may have been developed without consideration for aesthetics or a construction project where a DCR is not required, project aesthetic requirements shall be identified during Stage II (30%) development. Stage II (30%) development is also the time when the IGA/JPA will be developed and negotiated identifying any cost and maintenance responsibilities. Baseline aesthetics design, construction and maintenance shall be funded by ADOT.

These guidelines are intended to provide direction going forward as it relates to roadway aesthetics on new design/construction projects. They will provide common direction for aesthetic goals and standards. They are also intended to provide clarification and design direction for required aesthetic treatments for ADOT Project Management, Technical Design Teams, District Construction and Maintenance Groups, Project Design Consultants and Local Public Agencies.

Structures receiving aesthetic treatments may include, noise walls, retaining and free-standing walls, bridge structure components including piers, abutments, wing-walls, barrier and pedestrian fencing. Materials typically include Cast-In Place concrete structures, pre-cast MSE Panels, pre-cast concrete, concrete masonry Unit (CMU) construction, steel safety railings; pedestrian safety expanded metal fencing with metal/steel graphic panels.

Slope and embankment treatments within urban freeway areas shall include the placement of decorative homogenous 1-1/4” minus granite mulch which provides surface erosion stabilization and aesthetic continuity of the freeway corridor. A single color 3/4” screened or minus decomposed granite will be placed in cross street medians and right-of-way areas in which the local jurisdiction agrees to maintain.

Many existing highway/freeway segments have established aesthetic themes. Established existing freeway themes help guide designers/consultants streamline the development of aesthetic conceptual designs.

For new freeway segments, state highways and other new state road construction projects, aesthetics shall be based on neutral themes, context sensitive, non-distracting to the traveling public, while providing sense of place and continuity to a particular location. Aesthetics should relate culturally, historically or to the natural environment to the specific geographic area. Graphic symbolic designs and concepts shall be neutral themed with no written lettering or signage. Commercial, religious or political themes
are not allowed. No community developer or private entity logos or signage are to be used as aesthetics within ADOT’s right-of-way.

For in-house design projects ADOT Roadside Development will develop and prepare concepts, preliminary design plans and final stamped and sealed construction documents for project aesthetics.

For consultant designed projects ADOT Roadside Development will assist and provide direction and consult with the design consultant in the preparation of aesthetic concepts. Based upon the approval of the concepts by the Roadside Development Registered Landscape Architect, Project Management and the District the consultant will prepare the final aesthetic detail plans and stamp and seal the construction documents.

Aesthetic rustication is defined as any change in the pattern or texture of a concrete or masonry structure as compared to a standard smooth finish. For concrete structures, this can be done through the use of form-liners and the controlled placement of concrete. For masonry features-walls, this will be done through the use concrete masonry units (CMU) / Concrete block of various sizes and textures as well as placement. Rustication can protrude out or be recessed into the wall or structure. Rustication can occur on one side or both sides of a particular structure depending on its visibility and orientation to either the traveling public or from the view from the adjacent landowners.

These Guidelines shall become effective July 2021.
## Existing Urban Freeways With Established Aesthetic Themes

Arizona Department Of Transportation - State Highway System

### Freeway Widening/Expansions - Table 1

<table>
<thead>
<tr>
<th>STRUCTURE TYPE</th>
<th>BASELINE STANDARD</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Structure Aesthetics:</strong></td>
<td></td>
</tr>
<tr>
<td>Existing structures with aesthetics impacted by new construction - Original costs covered by ADOT.</td>
<td>Aesthetics partially disturbed, damaged or removed shall be replaced in-kind - new construction shall be painted to match - Costs covered by ADOT. No new aesthetics or graphic patterns - replacement of what was originally constructed.</td>
</tr>
<tr>
<td>Impacted Structures may include but not limited to: Barrier, Abutments, Wing-walls, Retaining walls, noise walls, slope paving, pedestrian fencing and safety railing.</td>
<td></td>
</tr>
<tr>
<td><strong>Landform Graphics</strong></td>
<td></td>
</tr>
<tr>
<td>Landform Graphics disturbed/ damaged by new construction shall be repaired if possible or be replaced in-kind if the remaining area is large enough to fit pattern - The graphic pattern can be re-sized to fit the remaining area. If the remaining area is too small the landform graphic shall be eliminated.</td>
<td>Replaced LFGs shall include Sub-surface Drain system.</td>
</tr>
<tr>
<td><strong>New Structures</strong></td>
<td></td>
</tr>
<tr>
<td>New wall construction necessary to replace walls removed to facilitate freeway widening.</td>
<td></td>
</tr>
<tr>
<td><strong>Retaining walls - Noise Walls</strong></td>
<td></td>
</tr>
<tr>
<td>Original aesthetics shall be replaced in-kind on the new walls - painted to match original.</td>
<td></td>
</tr>
</tbody>
</table>
## Roadway Elements - Table 2a

<table>
<thead>
<tr>
<th>ROADWAY ELEMENTS</th>
<th>BASELINE STANDARD</th>
<th>EXAMPLES</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Bridge Structure Components:</strong></td>
<td><strong>Even / Random Vertical Rustication with cap / Smooth wall with designated baseline Icon</strong>&lt;br&gt;Rustication can be placed vertically, horizontally or on a diagonal. 2” Max Rustication Reveal</td>
<td><strong>Illustration(s):</strong>&lt;br&gt;7b, 7c, 8a, 8b, 8d, 8f, 18, 19&lt;br&gt;&lt;br&gt;Painted one base color + One Accent color</td>
</tr>
<tr>
<td>Wing Walls</td>
<td><strong>Even / Random Vertical Rustication with cap / Smooth wall with designated baseline Icon</strong>&lt;br&gt;Rustication can be placed vertically, horizontally or on a diagonal. 2” Max Rustication Reveal</td>
<td>2, 7a, 8a, 8f</td>
</tr>
<tr>
<td>Abutments</td>
<td><strong>Even / Random Vertical Rustication with cap / Smooth wall with designated baseline Icon</strong>&lt;br&gt;Rustication can be placed vertically, horizontally or on a diagonal. 2” Max Rustication Reveal</td>
<td>2, 5, 6, 8c, 8e</td>
</tr>
<tr>
<td>Piers</td>
<td><strong>Vertical /Random Vertical Rustication or smooth concrete and Standard Icon</strong></td>
<td>21</td>
</tr>
<tr>
<td>Safety Railing</td>
<td><strong>3 -Rail - Painted one color - Base color or an accent color</strong></td>
<td></td>
</tr>
<tr>
<td>Pedestrian Safety Fence</td>
<td><strong>Standard Detail SD1.13- Typically Galvanized Expanded Metal Mesh with painted metal graphic - Freeway side of fence - Both sides of bridge</strong></td>
<td></td>
</tr>
</tbody>
</table>
## Roadway Elements - Table 2b

<table>
<thead>
<tr>
<th>ROADWAY ELEMENTS</th>
<th>BASELINE STANDARD</th>
<th>EXAMPLES</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bridge Structure Components:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Retaining or Sound Walls</td>
<td>Cast-In-Place Concrete Even Vertical/ Random Vertical Rustication with cap / Smooth wall with designated baseline Icon. Rustication can be placed vertically, horizontally or on a diagonal.  2” Max Reveal</td>
<td>Illustration(s): 1, 3, 4, 7d, 7e, 7f</td>
</tr>
<tr>
<td></td>
<td>Painted one base color + One Accent color</td>
<td></td>
</tr>
<tr>
<td>Concrete Masonry Unit Block Construction</td>
<td>Standard Block Dimensions Combination of Smooth Face, Fluted or Split Face Textures, Raked or Smooth Flush Joints. Standard patterns</td>
<td>22</td>
</tr>
<tr>
<td></td>
<td>Painted Base Color &amp; One Accent Color</td>
<td></td>
</tr>
<tr>
<td>MSE Panel - Vertical, Diagonal or Horizontal Rustication</td>
<td></td>
<td>17, 18</td>
</tr>
<tr>
<td>Smooth Panel or Combination</td>
<td></td>
<td>18</td>
</tr>
<tr>
<td>Single Design Pattern/ Graphic per Panel</td>
<td></td>
<td>19</td>
</tr>
<tr>
<td>Aesthetic Icons</td>
<td>Standard Repeatable Patterns:</td>
<td>Illustrations:  7-8</td>
</tr>
<tr>
<td>Reveal: 2” Max (Recessed) One Accent Color</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Hohokam Birds</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Hohokam Water Bird</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Saguaro</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Lizard</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Coiled Rattle Snake</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Scorpion</td>
<td></td>
</tr>
</tbody>
</table>
### New Freeway Segments & Other New State Highway Projects

Arizona Department Of Transportation - State Highway System

#### Roadway Elements - Table 2c

<table>
<thead>
<tr>
<th>ROADWAY ELEMENTS</th>
<th>BASELINE STANDARD</th>
<th>EXAMPLES</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Bridge Structure Components:</strong></td>
<td></td>
<td>Illustration(s):</td>
</tr>
<tr>
<td>Concrete Barrier</td>
<td>Standard Repeatable Patterns:</td>
<td>8e, 8f, 9-16</td>
</tr>
<tr>
<td>Smooth Barrier finish with Rustication Reveal: 2” Max (Extruded or Recessed)</td>
<td>Water Waves Ribbon Pattern</td>
<td>9</td>
</tr>
<tr>
<td>One Base Color - One Accent Color</td>
<td>Hohokam Water Waves Pattern</td>
<td>14</td>
</tr>
<tr>
<td></td>
<td>Maze Pattern</td>
<td>8f, 15, 16</td>
</tr>
<tr>
<td></td>
<td>Saguaro Thorn</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Mountain Pattern</td>
<td>8e, 12</td>
</tr>
<tr>
<td><strong>Cross-Street Median Treatments</strong></td>
<td>Decomposed Granite/ Granite Mulch</td>
<td></td>
</tr>
<tr>
<td><strong>Roundabout Traffic Island</strong></td>
<td>Decomposed Granite/ Granite Mulch</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Single Gradation - One Color</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Landscape/ Irrigation may be if included as part of a larger project with landscape and irrigation</td>
<td></td>
</tr>
</tbody>
</table>
### Roadway Elements - Table 2d

<table>
<thead>
<tr>
<th>ROADWAY ELEMENTS</th>
<th>BASELINE STANDARD</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Paint Colors:</strong></td>
<td><strong>Base Colors:</strong></td>
</tr>
<tr>
<td></td>
<td>ADOT Tan</td>
</tr>
<tr>
<td></td>
<td>Koala Bear</td>
</tr>
<tr>
<td></td>
<td>Black Walnut</td>
</tr>
<tr>
<td></td>
<td>Chestnut</td>
</tr>
<tr>
<td><strong>Accents:</strong></td>
<td></td>
</tr>
<tr>
<td>Mayan Brick</td>
<td></td>
</tr>
<tr>
<td>Roasted Pepper</td>
<td></td>
</tr>
<tr>
<td>Deuce</td>
<td></td>
</tr>
<tr>
<td>Eggplant</td>
<td></td>
</tr>
<tr>
<td>Black Deco</td>
<td></td>
</tr>
<tr>
<td>Arizona White</td>
<td></td>
</tr>
</tbody>
</table>
Even Vertical Rustication

Typically used on sound barrier walls, retaining walls, bridge abutment walls, wing walls, piers, and MSE panels.

Treatment Details

| Reveal:          | 2" max. (extruded or recessed) |
| Coping:         | yes, per design finish (see below) |
| Paint:          | 1 base color |
| DG:             | n/a |
| Terminus:       | aesthetics extend to a coordinated end |
| Other:          | none |

Illustration 1

Section Detail

Freestanding Wall
Even Vertical Rustication

Typically used on sound barrier walls, retaining walls, bridge abutment walls, wing walls, piers, and MSE panels.

Treatment Details
- **Reveal**: 2" max. (extruded or recessed)
- **Coping**: yes, per design finish (see below)
- **Paint**: 1 base color
- **DG**: n/a
- **Terminus**: aesthetics extend to a coordinated end
- **Other**: none

Illustration 2

Section Detail

Piers & Abutment
Random Vertical Rustication

Typically used on sound barrier walls, retaining walls, bridge abutment walls, wing walls, piers, and MSE panels.

Treatment Details
- **Reveal:** 2" max. (extruded or recessed)
- **Coping:** yes, per design finish (see below)
- **Paint:** 1 base color
- **DG:** n/a
- **Terminus:** aesthetics extend to a coordinated end
- **Other:** none

Illustration 3

Section Detail

Sound Barrier/ Freestanding Wall
Random Vertical Rustication

Typically used on sound barrier walls, retaining walls, bridge abutment walls, wing walls, piers, and MSE panels.

Treatment Details

- **Reveal:** 2” max. (extruded or recessed)
- **Coping:** yes, per design finish (see below)
- **Paint:** 1 base color
- **DG:** n/a
- **Terminus:** aesthetics extend to a coordinated end
- **Other:** none

**Illustration 4**

![Section Detail](image)

![Sound Barrier Wall](image)
Saguaro Icon
Typically used on piers, sound barrier walls, retaining walls, wing walls, and abutment walls.

Treatment Details

*Reveal:* 2" max. (extruded or recessed)
*Coping:* n/a
*Paint:* 1 base color, 1 accent color
*DG:* n/a
*Terminus:* aesthetics extend to a coordinated end
*Other:* none

[Diagram of Saguaro Icon]

Illustration 5

Section Detail

Elevation

Pier
Lizard Icon

Typically used on piers, sound barrier walls, retaining walls, wing walls, and abutment walls.

Treatment Details

- **Reveal**: 2” max. (extruded or recessed)
- **Coping**: n/a
- **Paint**: 1 base color, 1 accent color
- **DG**: n/a
- **Terminus**: aesthetics extend to a coordinated end
- **Other**: none

**Illustration 6**

[Images of Rustication Detail, Elevation, Column Section, Pier]
Standard Aesthetic Patterns & Icon Examples

Typically used on sound barrier walls, retaining walls, abutment walls, wing walls, piers, light-weight panel walls, and landforms.

Illustration 7

a. Hohokam Birds Icon
b. Hohokam Horned Lizard Icon
c. Hohokam Water Bird Icon
d. Hohokam Tortoise Icon
e. Hohokam Kokopelli Icon
f. Hohokam Scorpion Icon
Standard Aesthetic Patterns & Icon Examples

Typically used on sound barrier walls, retaining walls, abutment walls, wing walls, piers, lightweight panel walls, and landforms.

Illustration 8

a. Hohokam Snakes Icon
b. Hohokam Turtle Icon
c. Abstract Horse Pattern
d. Hohokam Butterfly Icon
e. Mountain Barrier Pattern & Saguaro Icon
f. Maze Barrier Pattern & Kokopellies Icon
Baseline Barrier Pattern

Typically used on bridge barriers and piers.

Treatment Details

- **Reveal:** 2" max. (extruded or recessed)
- **Coping:** n/a
- **Paint:** 1 base color, 1 accent color
- **DG:** n/a
- **Terminus:** aesthetics extend to a coordinated end
- **Other:** none

Illustration 9

Section Detail

Elevation

Water Waves Ribbon Pattern
Baseline Barrier Pattern

Typically used on bridge barriers, wing walls, and piers.

Treatment Details

- **Reveal:** 2" max. (extruded or recessed)
- **Coping:** n/a
- **Paint:** 1 base color, 1 accent color
- **DG:** n/a
- **Terminus:** aesthetics extend to a coordinated end
- **Other:** none

Illustration 10

Section Detail

Elevation

Abstract Horse Pattern
Baseline Barrier Pattern
Typically used on bridge barriers and piers.

Treatment Details
- **Reveal:** 2" max. (extruded or recessed)
- **Coping:** n/a
- **Paint:** 1 base color, 1 accent color
- **DG:** n/a
- **Terminus:** aesthetics extend to a coordinated end
- **Other:** none

Illustration 11

Section Detail

Elevation

Pueblo Deco Pattern
Baseline Barrier Pattern

Typically used on bridge barriers and piers.

Treatment Details

- **Reveal:** 2" max. (extruded or recessed)
- **Coping:** n/a
- **Paint:** 1 base color, 1 accent color
- **DG:** n/a
- **Terminus:** aesthetics extend to a coordinated end
- **Other:** none

Illustration 12

Section Detail

Mountains Pattern

Elevation
Baseline Barrier Pattern

Typically used on bridge barriers and piers.

Treatment Details

- **Reveal**: 2" max. (extruded or recessed)
- **Coping**: n/a
- **Paint**: 1 base color, 1 accent color
- **DG**: n/a
- **Terminus**: aesthetics extend to a coordinated end
- **Other**: none

*Illustration 13*

*Image Source: Google 2021*
Baseline Barrier Pattern

Typically used on bridge barriers, wing walls, and piers.

Treatment Details

- **Reveal:** 2" max. (extruded or recessed)
- **Coping:** n/a
- **Paint:** 1 base color, 1 accent color
- **DG:** n/a
- **Terminus:** aesthetics extend to a coordinated end
- **Other:** none

**Illustration 14**

Hohokam Water Waves Pattern
Baseline Barrier Pattern

Typically used on sound barrier walls, retaining walls, and wing walls.

Treatment Details

- **Reveal**: 2" max. (extruded or recessed)
- **Coping**: yes, per design finish (see below)
- **Paint**: 1 base color, 1 accent color
- **DG**: n/a
- **Terminus**: aesthetics extend to a coordinated end
- **Other**: none

Illustration 15
Baseline Barrier Pattern

Typically used on bridge barriers, wing walls, and piers.

Treatment Details

- **Reveal:** 2" max. (extruded or recessed)
- **Coping:** n/a
- **Paint:** 1 base color, 1 accent color
- **DG:** n/a
- **Terminus:** aesthetics extend to a coordinated end
- **Other:** none

**Illustration 16**

Rustication Detail  
Elevation Detail

Hohokam Maze Pattern
MSE Wall Panel

Typically used on wing walls, abutment walls, and retaining walls.

Treatment Details

- **Reveal**: 2" max. (extruded or recessed)
- **Coping**: per design finish
- **Paint**: 1 base color, 2 accent colors
- **DG**: n/a
- **Terminus**: aesthetics extend 2ft. below grade
- **Other**: can be used horizontally, vertically or diagonally, 5ft square panels

**Illustration 17**

Panel Sections

Panel Elevation

Panels with Diagonal Rustication Pattern
MSE Wall Panel

Typically used on wing walls, abutment walls, and retaining walls.

Treatment Details

- **Reveal:** 2" max. (extruded or recessed)
- **Coping:** per design finish
- **Paint:** 1 base color, 2 accent colors
- **DG:** n/a
- **Terminus:** aesthetics extend 2ft. below grade
- **Other:** 5ft square panels

**Illustration 18**

Panels on Wing Wall with Random Vertical Rustication Pattern
MSE Wall Panel

Typically used on wing walls, abutment walls, and retaining walls.

Treatment Details

- **Reveal:** 2" max. (extruded or recessed)
- **Coping:** per design finish
- **Paint:** 1 base color, 2 accent colors
- **DG:** n/a
- **Terminus:** aesthetics extend 2ft. below grade
- **Other:** 5ft high by 10ft long panels

Illustration 19

Panels on Retaining Wall & Wing Wall with Maze Rustication Pattern
(This page intentionally left blank.)
Pedestrian Fence Aesthetic Example

Typically used on pedestrian fencing at overhead bridges.

### Treatment Details

- **Reveal:** n/a
- **Coping:** n/a
- **Paint:** 1 base color
- **DG:** n/a
- **Terminus:** aesthetics extend to a coordinated end
- **Other:** expanded metal mesh, painted steel panels per design

### Illustration 21

**Section Detail**

**Elevation**

Pedestrian Fence
Concrete Masonry Unit Wall

Typically used on sound barrier walls, freestanding walls, and mechanical facilities.

Treatment Details

- **Reveal:** 2" max. (extruded or recessed)
- **Coping:** per design finish
- **Paint:** 1 base color
- **Terminus:** aesthetics extend 2ft. below grade and to a coordinated end
- **Other:** standard block dimensions, combination of smooth face, fluted or split face textures, raked or smooth flush joints

**Illustration 22**

Even Vertical Flutted Pattern
Baseline Aesthetic Example
Combination of baseline rustication aesthetics.

Random Vertical Rustication with Cap
Smooth Cast-In-Place Concrete with Icon
Barrier Pattern

Random Vertical Rustication with Coiled Rattle Snake Icon & Maze Barrier Pattern
Baseline Aesthetic Example
Combination of baseline rustication aesthetics.

Random Vertical Rustication on Retaining Wall
Smooth Cast-In-Place Concrete with Icon
Barrier Pattern
Random Vertical Rustication on Bridge Abutment

Random Vertical Rustication with Kokopelli Icon & Maze Barrier Pattern