

**Sonoran Boulevard  
Development Standards  
for  
Happy Valley Road**

**Supplement to the  
Street Classification Map**

**and the**

**Street Classification System General Policy Document  
and Technical Supplement**

**Adopted by City Council  
December 18, 1996**

**Prepared by:**

**Planning Department  
City of Phoenix**

# Sonoran Boulevard Development Standards for Happy Valley Road

Approved by City Council December 18, 1996

The Street Cross Section is Z.

The following standards were prepared as a guide for development both within and adjacent to the right-of-way for Happy Valley Road. These have been prepared in response to the designation of Happy Valley Road with the Sonoran Boulevard Overlay. The standards are to be used for any development that occurs adjacent to Happy Valley Road between 67th Avenue and the Happy Valley Road crossing of the CAP Aqueduct. All improvements must meet current City standards where applicable.

## *Street Lights*

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Style:	shoebox - existing lights will remain, new lights to be shoebox style
Color:	brown - powder coat paints
Height:	32 feet with short arm
Spacing:	average 200 - 220 feet and at intersections

## *Sidewalks*

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Material:	concrete
Color:	natural gray
Width:	minimum 6 feet where abutting curb
Configuration:	meandering, (where detached, must be a minimum of 8 feet from curb). Meandering shall have a minimum radius of 200 feet to avoid a curvy route.

### *Pedestrian Amenities*

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Exercise Stations:	where appropriate - private funding required
Character Features:	benches, natural seating, earth berms, boulders (boulders should not be located between street and sidewalk), benches at bus stops
Water Stations:	both for humans and horses - locate at bus stops
Trash Cans:	locate at bus stops

### *Curb*

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Configuration:	vertical or "wedge" curb necessary because of speeds and potential liability
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### *Walls*

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Material Options:	concrete block with stucco surface decorative block split face block (8" block) slump block, earth-tone brick
Color:	earthtone

### *Groundcover (non-living)*

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Material:	crushed decomposed granite
Color:	similar to soil color in area
Size:	½ inch minus

### *Landscape Materials*

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Right-of-Way:	American Desert natives - see attached list
Private Development:	All development along Happy Valley Road should use the plant list. Subdivision entrance landscaping should use same plant list. Subdivision entrances may be emphasized with a greater density of plant material as long as the sight triangle visibility is maintained.

### *Trails*

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Public:	build to City standards
Surface:	decomposed granite 1/4" minus
Width:	8 foot minimum, 10 foot desired
Maintenance:	City maintained - depends on location - accessibility a key factor

### *Signage*

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Monument Signs:	consistent with color, height and general context of the desert
Marquee Signs:	per City code, but colors should be earthtone
Street Signs:	use Sonoran Boulevard logo (needs to be designed)
Plant Signs:	target this project for nonprofit groups, adopt-a-street program, develop standards for placement and design
Designation Signs:	i.e. Arizona Scenic Highway signs, locate at the beginning, middle, and end

### *Right-of-Way*

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Public:	130 feet minimum 150 feet maximum wherever possible
Private:	10 foot easement wherever possible

### *Other*

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- Provide bus bays where needed.
- All utility lines should be underground.
- Preserve natural drainage where possible (bridge crossings, culvert crossings) maintain the natural wash corridor into the adjacent subdivisions
- Bike path striped on both sides of street

## AMERICAN SOUTHWEST DESERT PLANT LIST

Although this list is considered comprehensive, it is not exhaustive. It is anticipated that new plant materials will be added to the list as plants are introduced in the future. Interested persons are encouraged to suggest and/or propose plant materials to add to this list. Those will be reviewed by City staff and if determined appropriate, included in this list.

### TREES (Certain thorn-bearing trees should not be planted near sidewalks or trails.)

<i>Acacia berlandieri</i>	Guajillo Acacia
<i>Acacia farnesiana</i>	Sweet Acacia
<i>Acacia shaffneri</i>	Twisted Acacia
<i>Acacia stenophylla</i>	Shoestring Acacia
<i>Acacia willardiana</i>	Palo Blanco
<i>Bauhinia congesta</i>	Anacacho Orchid Tree
<i>Cercidium floridum</i>	Blue Palo Verde
<i>Cercidium microphyllum</i>	Foothill Palo Verde
<i>Cercidium praecox</i>	Palo Brea
<i>Chilopsis linearis</i>	Desert Willow
<i>Leucaena retusa</i>	Golden Ball Lead Tree
<i>Lysiloma candida</i>	Palo Blanco
<i>Lysiloma microphylla</i>	Desert Fern (var. <i>thornberi</i> )
<i>Olneya tesota</i>	Ironwood
<i>Pithecellobium flexicaule</i>	Texas Ebony
<i>Pithecellobium mexicanum</i>	Palo Chino
<i>Prosopis pubescens</i>	Screwbean Mesquite
<i>Prosopis torreyana</i>	Texas Mesquite
<i>Prosopis velutina</i>	Honey Mesquite ( <i>juliflora</i> )
<i>Sophora secundiflora</i>	Mescal Bean
<i>Ungnadia speciosa</i>	Mexican buckeye

### SHRUBS

<i>Acacia constricta</i>	White Thorn Acacia
<i>Acacia gratissima</i>	Bee Bush
<i>Acacia greggii</i>	Cat Claw Acacia
<i>Aloysia lyciodes</i>	Bee Bush
<i>Aloysia macrostachya</i>	Sweet Stem
<i>Ambrosia ambrosioides</i>	Canyon Ragweed
<i>Ambrosia deltoidea</i>	Triangle Leaf Bur Sage
<i>Anisacanthus andersonii</i>	Anderson's Honeysuckle
<i>Anisacanthus quadrifidus</i>	Flame Honeysuckle
<i>Anisacanthus thurberi</i>	Desert Honeysuckle

*Artemesia ludoviciana*  
*Asclepias subulata*  
*Atriplex canescens*  
*Atriplex hymenelytra*  
*Atriplex nummularia*  
*Baccharis sarothroides (male only)*  
*Berberis haematocarpa*  
*Buddleia marrubifolia*  
*Caesalpinia gilliesii*  
*Calliandra californica*  
*Calliandra eriophylla*  
*Calliandra peninsularis*  
*Canotia holacantha*  
*Cassia biflora*  
*Cassia wislizenii*  
*Celtis pallida*  
*Cordia boissieri*  
*Cordia parvifolia*  
*Dalea bicolor (var. argyrea)*  
*Dalea frutescens*  
*Dalea pulchra*  
*Dalea versicolor (var. sessilis)*  
*Dodonaea viscosa*  
*Encelia farinosa*  
*Ephedra nevadensis*  
*Ephedra trifurca*  
*Ericameria laricifolia*  
*Eriogonum fasciculatum*  
*Erythrina flabelliformis*  
*Euphorbia antisiphilitica*  
*Fouquieria splendens*  
*Gutierrezia microcephala*  
*Hyptis emoryi*  
*Justicia californica*  
*Justicia candidans*  
*Justicia sonorae*  
*Justicia spicigera*  
*Krameria Grayi*  
*Krameria parvifolia*  
*Larrea tridentata*  
*Leucophyllum candidum*  
*Leucophyllum frutescens*  
*Leucophyllum laevigatum*  
*Leucophyllum langmaniae*

White Sage  
 Desert Milkweed  
 Fourwing Saltbush  
 Desert Holly  
 Old Man Saltbush  
 Desert Broom (male only)  
 Red Barberry  
 Woolly Butterfly Bush  
 Desert Bird of Paradise  
 Baja Red Fairy Duster  
 Fairy Duster  
 Baja Red Fairy Duster  
 Crucifixion Thorn  
 Twin Flower Cassia  
 Shrubby Cassia  
 Desert Hackberry  
 Anacahuita  
 Little Leaf Cordia  
 Silver Dalea  
 Black Dalea  
 Indigo Bush  
 Wislizenus Dalea  
 Hopbush (Green variety)  
 Brittlebush  
 Boundary Ephedra (var. *aspera*)  
 Mormon Tea  
 Turpentine Bush  
 Flattop Buckwheat  
 Southwest Coralbean  
 Candelilla  
 Ocotillo  
 Snakeweed  
 Desert Lavender  
 Chuparosa  
 Red Justicia  
 Palm Canyon Justicia  
 Mexican Honeysuckle  
 White Ratany  
 Ratany  
 Creosote Bush  
 Silver Sage  
 Texas Sage  
 Chihuahuan Sage  
 Sierra Madre Sage

*Leucophyllum pruinatum*  
*Leucophyllum revolutum*  
*Leucophyllum zygophyllum*  
*Lycium berlandieri*  
*Lycium ferromontii*  
*Mimosa biuncifera*  
*Mimosa dysocarpa*  
*Psilotrophe cooperii*  
*Rhus microphylla*  
*Rhus ovata*  
*Rhus trilobata*  
*Rhus virens*  
*Ruellia brittoniana*  
*Ruellia californica*  
*Ruellia peninsularis*  
*Salvia chamaedryoides*  
*Salvia clevelandii*  
*Salvia greggii*  
*Salvia leucophylla*  
*Salvia dorrii*  
*Tecoma Stans*  
*Trixis californica*  
*Vauquelinia corymbbosa*  
*Vauquelinia californica*  
*Viguiera deltoidea*  
*Zizphus obtusifolia (var. canescens)*

Fragrant Sage  
Blue Ranger  
Wolfberry  
Tomatillo  
Wait-a-Minute Bush  
Velvet Pod Mimosa  
Paper Flower  
Desert Sumac  
Sugarbush  
Skunkbush  
Evergreen Sumac  
Britton's Ruellia  
Ruellia  
Blue Sage  
Chapparal Sage  
Autumn Sage  
Mealy Cup Sage  
Desert Sage  
Willow-Leaf Groundsel  
Yellowbells  
Trixis  
Narrow-Leaf Rosewood  
Arizona Rosewood  
Golden Eye  
Greythorn

## GROUNDCOVERS

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*Atriplex semibaccata*  
*Baccharis (Centennial)*  
*Dalea Greggii*  
*Oenothera berlandieri*  
*Oenothera caespitosa*  
*Oenothera stubbei*  
*Verbena bipinnatifida*  
*Verbena goodingii*  
*Verbena tenera*

Saltbush  
Centennial Baccharis  
Indigo Bush  
Mexican Evening Primrose  
Trailing Evening Primrose  
Saltillo Primrose  
Verbena  
Gooding's Verbena  
Moss Verbena

## CACTI and SUCCULENTS

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This is a sample of cacti and succulents that may be appropriate for the area. Other may be appropriate based on similarity of height, context, texture, and color as well as suitability to the natural environment.

### *Agave* spp. - Sample Listing

*Agave colorata*

*Agave parryi*

*Agave victoriae-reginae*

*Agave vilmoriniana*

*Agave murpheyi*

### *Aloe* spp. - Sample Listing

*Aloe barbadensis*

*Aloe ferox*

*Aloe saponaria*

*Aloe mariothii*

*Aloe striata*

### *Cactaceae* - Sample Listing

*Carnegiea gigantea*

*Dasyliirion acrotriche*

*Dasyliirion wheeleri*

*Echinocereus fasciculatus*

*Echinocereus grusonii*

*Ferocactus acanthodes*

*Ferocactus wislizenii*

*Hesperaloe funifera*

*Hesperaloe parviflora*

*Lophocereus schottii*

*Mamillaria microcarpa*

*Nolina mataeensis*

*Nolina microcarpa*

*Opuntia acanthocarpa*

*Opuntia basilaris*

*Opuntia bigelovii*

*Opuntia engelmannii*

*Opuntia fulgida*

*Opuntia leptocaulis*

*Opuntia violacea*

*Pachycereus marginatus*

*Stenocereus thurberi*

Mescal Ceniza

Parry's Agave

Royal Agave

Octopus Agave

Murphy's Agave

Medicinal Aloe

Tree Aloe

Tiger Aloe

Tree Aloe

Coral Aloe

Saguaro

Green Desert Spoon

Sotol, Desert Spoon

Hedgehog Cactus

Golden Barrel

Compass Barrel

Fishhook Barrel

Red Hesperaloe

Senita

Fishhook Pincushion

Tree Bear Grass

Bear Grass

Buckhorn Cholla

Beavertail Prickly Pear

Teddy Bear Cholla

Engelmann's Prickly Pear

Chain Fruit Cholla

Desert Christmas Cholla

Purple Prickly Pear

Mexican Organ Pipe

Arizona Organ Pipe



*Yucca baccata*  
*Yucca brevifolia*  
*Yucca elata*  
*Yucca rigida*  
*Yucca rostrata*

Banana Yucca  
Joshua Tree  
Soaptree Yucca  
Blue Yucca  
Beaked Yucca

## ANNUAL WILDFLOWERS

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*Argemone pleiacantha*  
*Eschscholzia mexicana*  
*Gaillardia pulchella*  
*Kallstroemia grandiflora*  
*Layia platyglossa*  
*Lesquerella gordonii*  
*Lupinus arizonicus*  
*Lupinus sparsiflorus*  
*Orthocarpus purpuracens*  
*Pectis papposa*  
*Phaecelia campaularia*  
*Plantago insularis*  
*Salvia Columbariae*

Prickly Poppy  
Mexican Gold Poppy  
Firewheel  
Arizona Poppy  
Tidy Tips  
Yellow Blanket  
Arizona Lupine  
Desert Lupine  
Owl's Clover  
Chinch Weed  
California Blue Bell  
Indian Wheat  
Chia

## PERENNIAL WILDFLOWERS

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*Allionia incarnata*  
*Argemone platyceras*  
*Baileya multiradiata*  
*Delphinium amabile*  
*Dichelostemma pulchellum*  
*Dyssodia pentachaeta*  
*Erigeron divergens*  
*Lotus rigidus*  
*Melampodium leucanthum*  
*Penstemon baccharifolius*  
*Penstemon barbatus*  
*Penstemon eatonii*  
*Penstemon palmeri*  
*Penstemon parryii*  
*Penstemon spectabilis*  
*Penstemon superbus*  
*Ratibia columnaris*  
*Senna covesii* (*Cassia*)

Trailing Windmills  
Prickly Poppy  
Desert Marigold  
Larkspur  
Bluesticks  
Dyssodia  
Spreading Fleabane  
Desert Rock Pea  
Blackfoot Daisy  
Rock Penstemon  
Scarlet Penstemon  
Firecracker Penstemon  
Palmer's Penstemon  
Parry's Penstemon  
Royal Penstemon  
Superb Penstemon  
Mexican Hat, Coneflower  
Desert Senna

*Sphaeralcea ambigua*  
*Tagetes lemonii*  
*Zinnia acerosa*  
*Zinnia grandiflora*

Globe-Mallow  
Mount Lemon Marigold  
Desert Zinnia  
Rocky Mountain Zinnia

## GRASSES

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*Aristida purpurea*  
*Hilaria rigida*  
*Muhlenbergia dumosa*  
*Muhlenbergia porteri*  
*Muhlenbergia rigens*  
*Trichachne californica*

Purple Three-Awn  
Big Galeta  
Giant Muhly  
Bush Muhly  
Deer Grass  
Cotton-Top

## VINES

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*Antigonon leptopus*  
*Caellaeum macroptera*  
*Clematis drummondii*  
*Maurandya antirrhiniflora*  
*Merremia aurea*

Coral Vine  
Yellow Orchid Vine  
Virgin's Bower  
Snapdragon Vine  
Yucca