

ARTICLE 8. THOROUGHFARES

8.1 GENERAL DESCRIPTION

The urban landscape is characterized by a set of interdependent elements that create a sense of place. These include Thoroughfare type, Building type, Frontage type, and the form and disposition of landscape and lighting. This article describes the guidelines for development of Thoroughfares.

Thoroughfares provide the City with both the major part of public open space as well as moving lanes for vehicles and transit. A Thoroughfare is associated with a particular type of movement, and is endowed with two attributes: capacity and character. The capacity of the Thoroughfare refers to the number of vehicles that can move safely through a segment within a given time period; it is physically manifested by the number of lanes and their width, its movement type, by the centerline radius, the curb radius, and the super-elevation of the pavement. The character of the Thoroughfare refers to its suitability as a setting for pedestrian activities and is physically manifested by the associated Frontage types as determined by location within the Transect.

Thoroughfares can be categorized as Types appropriate to Transect Zones, with calibrated Right-of-Way widths, movement types, design speed, number of travel lanes, pavement width, curb radius and verge type. Thoroughfare Types and their application are described in Section 8.3, in order ranging across the Transect.

All Thoroughfares in the following catalogue are shown as ideal conditions based on Right-of-Way widths typically found in the City of Miami. Many City Thoroughfares have Right-of-Way widths that vary according to location. Irregular Right-of-Way widths shall default to the closest lesser width designation. For example, a 93' – 0" Right-of-Way shall follow the 90' – 0" Thoroughfare regulation. Similarly, an 88' – 0" Right-of-Way shall follow the 80' – 0" Thoroughfare regulation. The additional dimension shall be applied to the sidewalk and the verge.

In Zones T3 and T4, D1 and D2, generally sidewalks occur at the edge of the Right-of-Way. In Zones T5 and T6, sidewalks occur at the edge of the Right-of-Way and are given the additional dimensions of the 10 foot setback in the First Layer as an easement.

The following additional assumptions govern the Thoroughfares shown here:

- To clear sight lines for drivers, visibility triangles shall be required as described in Article 3, Section 3.9.4.1
- Pavement widths are measured inside of curb to inside of curb.
- Curb and gutter may range from 1'-6" for City streets to 2'-0" for some County streets.
- Parking spaces range from 7'-0" to 9'-0" including pan; they should be wider on higher speed Thoroughfares but may be restricted by existing Right-of-Way dimensions.
- Right turns may be taken from the parking lane.
- Street tree spacing shall be 22' on center to match parallel parking or 25' on center to match lot line spacing.

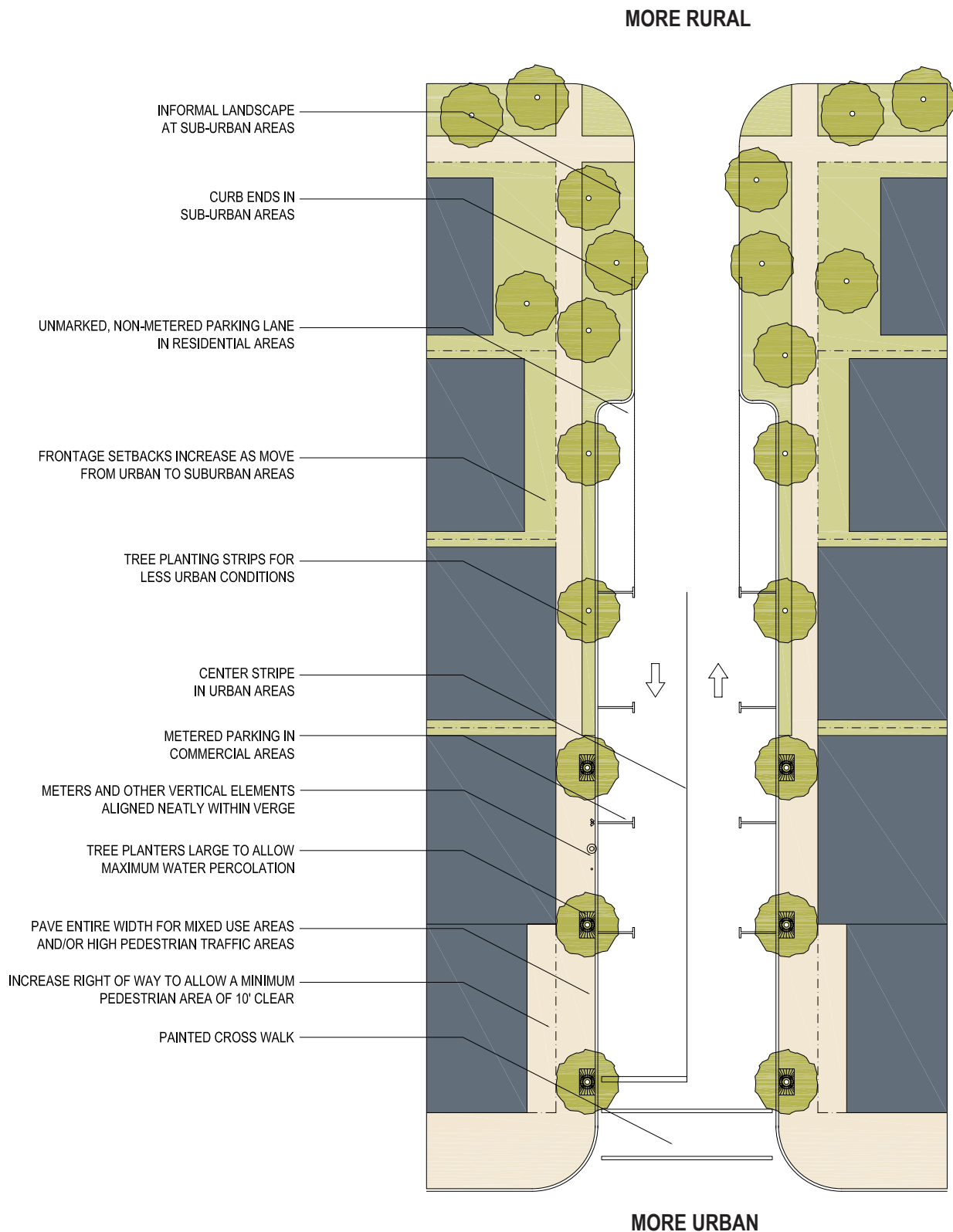
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- Tree planters shall have a minimum dimension of 4' x 4', increased where possible to a 5' x 5' dimension.
- Bulb-outs may be added where Thoroughfare widths are wide and design speed high, or where sidewalks are narrow, in order to facilitate pedestrian safety.

Thoroughfares must evolve with the needs of the City. As Miami continues to grow, a Thoroughfare may change in character reflecting new density, or conversely, a return to an historic dimension. For instance, a continuous lawn planter may be replaced with individual tree wells for additional sidewalk space, or a wide neighborhood street may be narrowed to control traffic intrusion.

The accommodation of bicycle lanes and additional lanes for transit and the designation of bicycle routes require detailed response to the existing Thoroughfare condition and thus are not illustrated specifically here.

8.2 DRAWING: THE THOROUGHFARE ACROSS THE TRANSECT



8.3 SPECIFIC THOROUGHFARE TYPES DESCRIBED

HW-Highway

A Highway is a long-distance, high-capacity and high-speed Thoroughfare traversing the city. A Highway should have infrequent intersections and driveway entrances, and should have sidewalks and abutting buildings buffered by landscape where possible; otherwise it becomes strip development which interferes with traffic flow and pedestrian comfort.

Highway Frontages may have curbs or open swales drained by percolation. They have no parking. Buildings may front a wide sidewalk or be set back.

Highways can be rural linear parks, with a median and naturalistic landscaping and bicycle and Pedestrian Paths traversing the landscape independently.

RD-Road

A Road is a local, slow-movement Thoroughfare suitable for less urban Transect Zones. Roads provide frontage for low-density buildings with a substantial setback. Roads have narrow pavement and open swales drained by percolation, with or without sidewalks. The landscaping may be informal with multiple species arrayed in naturalistic clusters.

ST-Street

A Street is a local, multi-movement Thoroughfare suitable for all urbanized Transect Zones and all Frontages and Uses. A Street is urban in character, with raised curbs, drainage inlets, wide sidewalks, parallel parking, and trees in individual or continuous planters aligned in an allee. Character may vary somewhat, however, responding to the enfronting commercial or residential uses.

DR-Drive

A Drive is a local movement Thoroughfare along the edge of a wide Right-of-Way or an open space. One side of a Drive may have the urban character of a Street or Boulevard with sidewalk and buildings; the other side may have the qualities of a parkway such as along a railroad track with naturalistic planting. Alternatively, a Drive may have an urban character with landscape and formal planting, such as along the bayfront or riverfront.

AV-Avenue

An Avenue is a limited distance, slow or free-movement Thoroughfare connecting proximate locations within an urbanized area. Unlike a Boulevard, in its truest form, an avenue's length is finite and its axis is terminated. It always has a substantial planted median. An Avenue may be conceived as an elongated square.

The Avenue is appropriate for the approach to a Civic building. At Urban Centers, the median may

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be wide enough to hold monuments and even buildings. In residential areas, the median may be planted naturalistically to become a parkway or green.

Avenue Frontages have raised curbs drained by inlets and wide sidewalks separated from the vehicular lanes by narrow continuous planters, preferably with parking on both sides. The landscaping consists of a single tree species aligned in a regularly spaced allee in individual or continuous planters.

BV-Boulevard

A Boulevard is a long-distance, high capacity multi-movement Thoroughfare, outside of neighborhoods and at neighborhood edges. A Boulevard may be lined by parallel parking, with wide sidewalks, and trees in continuous or individual planters.

Boulevards may have central or side medians with slip roads. Side medians segregate slower traffic and parking activity at the edges from through traffic at the center.

Boulevards have sidewalks with raised curbs along both sides, drainage by inlets, parallel parking, sidewalks, and trees aligned in a regularly spaced allee in individual or continuous planters.

PP-Pedestrian Passage

A Pedestrian Passage is a narrow connector restricted to pedestrian use and limited vehicular use that passes between buildings or between a building and a public open space. Passages provide shortcuts through long blocks and connect rear parking areas with frontages. In T3, Pedestrian Passages may be unpaved and informally landscaped. In T4, T5 and T6, they should be paved and landscaped and may provide limited vehicular access. When in Civic Zones, passages should correspond with their context and abutting Transect Zones.

AL-Alley

An Alley is a narrow vehicular access-way at the rear or side of buildings providing service and parking access, and utility easements. Alleys have no sidewalks, landscaping, or building frontage requirements. They accommodate trucks and dumpsters, and may be paved from building face to building face, with drainage by inverted concrete crown. In older residential neighborhoods Alleys may be unpaved.

TABLE A

This table assigns lane widths and curb radii to specific movement types (described below) in each Transect Zone. Movement types describe the expected driver experience on a given Thoroughfare. The design speed for pedestrian safety and mobility is the determinant for each of these movement types.

Movement Types

- Yield:** Drivers must proceed slowly and with extreme care and must yield in order to pass a parked car or approaching vehicle. Functional equivalent of traffic calming. Design speed of 20 mph or less; this type can accommodate bicycle routes.
- Slow:** Drivers can proceed carefully with an occasional stop to allow a pedestrian to cross or another car to park. Drivers should feel uncomfortable exceeding design speed due to presence of parked cars, enclosure, tight turn radii, and other design elements. Design speed of 20-25 mph; this type can accommodate bicycle routes.
- Free:** Drivers can expect to travel generally without delay at the design speed; street design supports safe pedestrian movement at the higher design speed. This movement type is appropriate for Thoroughfares designed to traverse longer distances or that connect to higher intensity locations. Design speed of 25-30 mph; this type can accommodate bicycle routes.
- Speed:** Drivers can expect travel similar to conventional street design, but with continued emphasis on pedestrian safety and comfort. Design speed of 30-35 mph. Bicycle safety to be assessed by Thoroughfare.
- High Speed:** Conventional street design in which drivers can expect a separation of modes - e.g. bike lanes, walking paths, and roads - allowing automobile travel unimpeded by pedestrians or walkability concerns. This movement is rarely used in traditional town planning but may be needed when traveling outside of pedestrian areas. Bicycle safety to be assessed by Thoroughfare.

Movement Type	Design Speed	TRAVEL LANE WIDTH	T1	T2	T3	T4	T5	T6	D1	D2	CI	CS
YIELD	20 mph or less	8 feet										
SLOW	20-25 mph	9 feet	■	■	■	■	■	■	■	■	■	■
FREE	25-30 mph	10 feet	■	■	■	■	■	■	■	■	■	■
SPEED	30-35 mph	11-12 feet	■	■	■	■	■	■	■	■	■	■
HIGH SPEED	Above 35 mph	12 feet	■	■	■	■	■	■	■	■	■	■


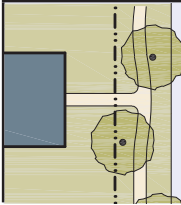
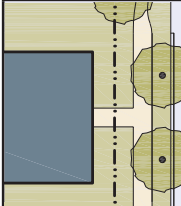
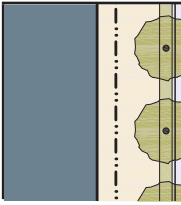
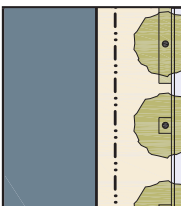
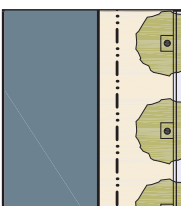
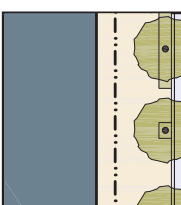
Movement Type	Design Speed	PARKING LANE WIDTH	T1	T2	T3	T4	T5	T6	D1	D2	CI	CS
YIELD	20 mph or less	(Parallel) 7 feet							■	■	■	■
YIELD, SLOW	20-25 mph	(Parallel) 7 feet			■	■	■	■	■	■	■	■
SLOW, FREE	20-30 mph	(Parallel) 7 - 8 feet			■	■	■	■	■	■	■	■
SLOW, FREE	20-30 mph	(Angle) 18 feet				■	■	■	■	■	■	■
FREE, SPEED	25-35 mph	(Parallel) 8 feet			■	■	■	■	■	■	■	■

Movement Type	Design Speed	CURB RADIUS WITH PARKING*	T1	T2	T3	T4	T5	T6	D1	D2	CI	CS
YIELD	20 mph or less	5-10 feet										
SLOW	20-25 mph	10-15 feet	■	■	■	■	■	■	■	■	■	■
FREE	25-30 mph	15-20 feet	■	■	■	■	■	■	■	■	■	■
SPEED	30-35 mph	20-30 feet	■	■			■	■				

* Dimensions with parking on each leg of intersection. Both tangent sections adjacent to the curb return must be parked, or else curb radii must be evaluated using "design vehicle" and AutoTurn or turning templates.






TRANSECT ZONE Public Frontage Type		R U R A L I I I I I I I I I I I I I I I I T R A N S E C T I I I I I I I I I I I I I I I I U R B A N																	
		T1 T2 T3			T1 T2 T3			T3 T4		T3 T4 T5			T4 T5 T6			T4 T5 T6 D			
		HW & RD			RD & ST			ST & DR		RS-ST-AV-DR			ST-AV-BV			ST-AV-BV			
a. Assembly: The principal variables are the type and dimension of curbs, walkways, planters and landscape.																			
b. Curb: The detailing of the edge of the vehicular pavement, incorporating drainage.																			
Type		Open Swale			Open Swale			Raised Curb		Raised Curb			Raised Curb			Raised Curb			
Radius		10-30 feet			10-30 feet			5-20 feet		5-20 feet			5-20 feet			5-20 feet			
c. Walkway: The pavement dedicated exclusively to pedestrian activity.																			
Type		Path Optional			Path			Sidewalk		Sidewalk			Sidewalk			Sidewalk			
d. Planter: The layer which accommodates street trees and other landscape.																			
Arrangement		Clustered			Clustered			Regular		Regular			Regular			Opportunistic, Regular			
Species		Multiple			Multiple			Alternating		Single			Single			Single			
Planter Type		Continuous Swale			Continuous Swale			Continuous Planter		Continuous Planter			Continuous Planter			Individual Planter			

Note: Appropriate types for Civic Zones shall be determined based on context and abutting Transect Zones.






PLAN	
LOT	R.O.W.
PRIVATE FRONTAGE ►	◄ PUBLIC FRONTAGE
<p>a. (HW) For Highways: This Frontage has open swales drained by percolation, bicycle trails and no parking. The landscaping consists of the natural condition or multiple species arrayed in naturalistic clusters. Buildings are buffered by distance or berms.</p>	 <div> <div>T1</div> <div>T2</div> <div>T3</div> </div>
<p>b. (RD) For Roads: This Frontage has open swales drained by percolation and a walking path or bicycle trail along one or both sides and yield parking. The landscaping consists of multiple species arrayed in naturalistic clusters.</p>	 <div> <div>T1</div> <div>T2</div> <div>T3</div> </div>
<p>c. (ST) For Street: This Frontage has raised curbs drained by inlets and sidewalks separated from the vehicular lanes by individual or continuous planters, with parking on one or both sides. The landscaping consists of street trees of a single or alternating species aligned in a regularly spaced alley.</p>	 <div> <div>T3</div> <div>T4</div> <div>T5</div> <div>T6</div> </div>
<p>d. (DR) For Drive: This Frontage has raised curbs drained by inlets and a wide sidewalk or paved path along one side, related to a greenway or waterfront. It is separated from the vehicular lanes by individual or continuous planters. The landscaping consists of street trees of a single or alternating species aligned in a regularly spaced alley.</p>	 <div> <div>T3</div> <div>T4</div> <div>T5</div> <div>T6</div> </div>
<p>e. (AV) For Avenues: This Frontage has raised curbs drained by inlets and wide sidewalks separated from the vehicular lanes by a narrow continuous planter with parking on both sides. The landscaping consists of a single tree species aligned in a regularly spaced alley.</p>	 <div> <div>T3</div> <div>T4</div> <div>T5</div> <div>T6</div> <div>D</div> </div>
<p>f. (ST) (AV) For Mixed Use Streets or Avenues: This Frontage has raised curbs drained by inlets and very wide sidewalks along both sides separated from the vehicular lanes by separate tree wells with grates and parking on both sides. The landscaping consists of a single tree species aligned with regular spacing where possible.</p>	 <div> <div>T3</div> <div>T4</div> <div>T5</div> <div>T6</div> <div>D</div> </div>
<p>g. (BV) For Boulevards: This Frontage has slip roads on both sides. It consists of raised curbs drained by inlets and sidewalks along both sides, separated from the vehicular lanes by planters. The landscaping consists of rows of a single tree species aligned in a regularly spaced alley.</p>	 <div> <div>T3</div> <div>T4</div> <div>T5</div> <div>T6</div> <div>D</div> </div>

Note: Appropriate types for Civic Zones shall be determined based on context and abutting Transect Zones.

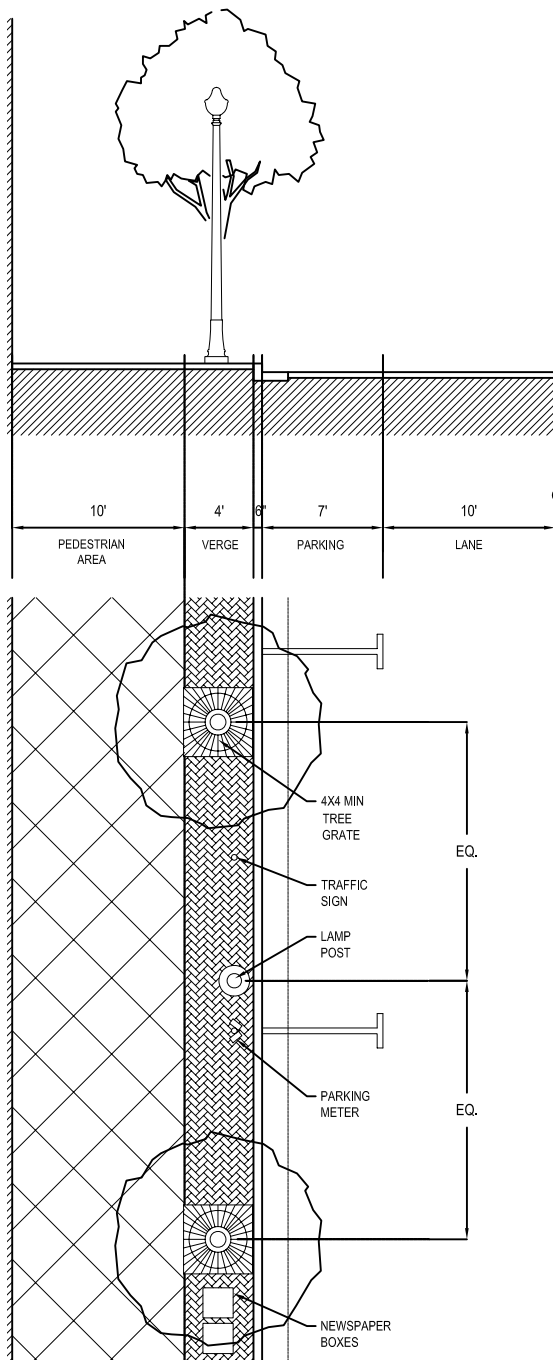
Following is a list of suggested species chosen on the basis of appropriateness to location (T-zone), hardiness, and adaptability to the environment, with deference to natives. Other species meeting the same criteria may be used.

	T1	T2	T3	T4	T5	T6	D	C	Specific Planting
Palms 	■	■	■	■				■	Silver palm - <i>Coccothrinax argentata</i>
	■	■	■	■	■			■	Florida thatch palm - <i>Thrinax radiata</i>
	■	■	■	■	■	■	■	■	Sabal palm - <i>sabal palmetto</i>
			■	■	■	■	■	■	Hurricane palm - <i>Dictosperma album</i> *
	■	■						■	Florida royal palm - <i>Roystonea elata</i>
								■	True date palm - <i>Phoenix dactylifera</i> *
Small/Medium Canopy 	■	■	■	■	■	■	■	■	Satin leaf - <i>Chrysophyllum oliviforme</i>
	■	■	■	■	■	■	■	■	Silver buttonwood - <i>Conocarpus erectus var. sericea</i>
	■	■	■	■	■	■	■	■	Geiger tree - <i>Cordia sebesteria</i>
	■	■	■	■	■	■	■	■	Cinnecord - <i>Acacia choriophylla</i>
	■	■	■	■	■	■	■	■	Pigeon plum - <i>Coccoloba diversifolia</i>
			■	■	■	■	■	■	Lilac tree - <i>Lonchocarpus violaceus</i> *
Large Canopy 	■	■	■	■	■			■	Live oak - <i>Quercus virginiana</i>
	■	■	■	■				■	Mahogany - <i>Swietenia mahagoni</i>
	■	■	■	■				■	Paradise tree - <i>Simarouba glauca</i>
	■	■	■	■				■	Jamaican dogwood - <i>Piscidia piscipula</i>
			■	■				■	Apple blossom shower - <i>Cassia javanica</i> *
			■	■				■	Santa Maria - <i>Calophyllum brasiliense</i> *
								■	Gumbo limbo - <i>Bursera simaruba</i> *
								■	Royal poinciana - <i>Delonix regia</i> *
Vines 	■	■	■	■	■	■	■	■	Coral honeysuckle - <i>Lonicera sempervirens</i>
			■	■	■	■	■	■	Queen's wreath - <i>Petrea volubilis</i> *
			■	■	■	■	■	■	Madagascar jasmine - <i>Stephanotis floribunda</i> *
			■	■	■	■	■	■	Jade vine - <i>Strongylodon macrobotrys</i> *
			■	■	■	■	■	■	Bougainvillea spp*
Groundcover 	■	■	■	■	■	■		■	Blanket flower - <i>Gaillardia pulchella</i>
	■	■	■	■	■	■		■	Dayflower - <i>Commelina erecta</i>
	■	■	■	■	■	■		■	Boston fern - <i>Nephrolepis exaltata</i>
	■	■	■	■	■	■		■	Wart fern - <i>Microsorium scolopendria</i> *

* indicates non-native

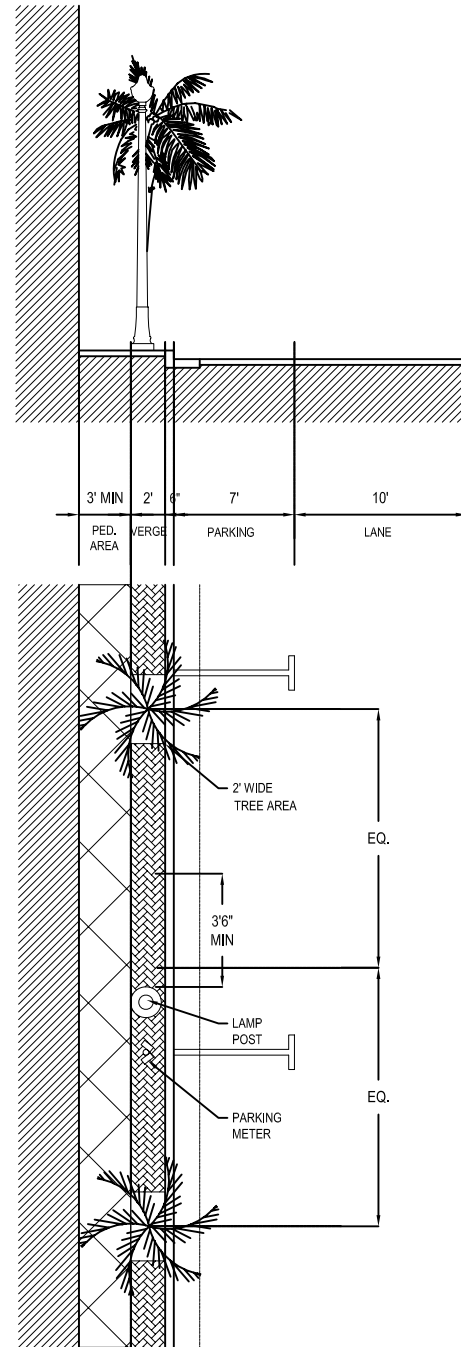
	T1	T2	T3	T4	T5	T6	C	D	Specifications
Cobra Head 	■						■	■	TBD <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/>
Pipe 	■	■	■				■	■	TBD <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/>
Post 		■	■	■	■		■	■	TBD <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/>
Column 			■	■	■		■	■	TBD <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/>
Double Column 					■	■	■	■	TBD <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/>

Note: Appropriate types for Civic Zones must be determined based on context and abutting Transect Zones. New or additional lamp types, that meet the same criteria, may be considered.



SIDEWALK ARRANGEMENT

Sidewalk may be scored concrete.
Verge may be permeable pavement.
All vertical elements shall be located within verge and neatly aligned.



EXISTING SIDEWALK DIMENSIONS LESS THAN IDEAL

Sidewalk dimensions shall comply with A.D.A. standards. Narrow sidewalks should provide a 5'-0" X 5'-0" minimum passing space at reasonable intervals not to exceed 200 feet. See Chapter 11- 4.3 Florida Building Code. All vertical elements to be located within verge and neatly aligned.

KEY

ST-57-20

Thoroughfare Type

Right of Way Width

Pavement Width

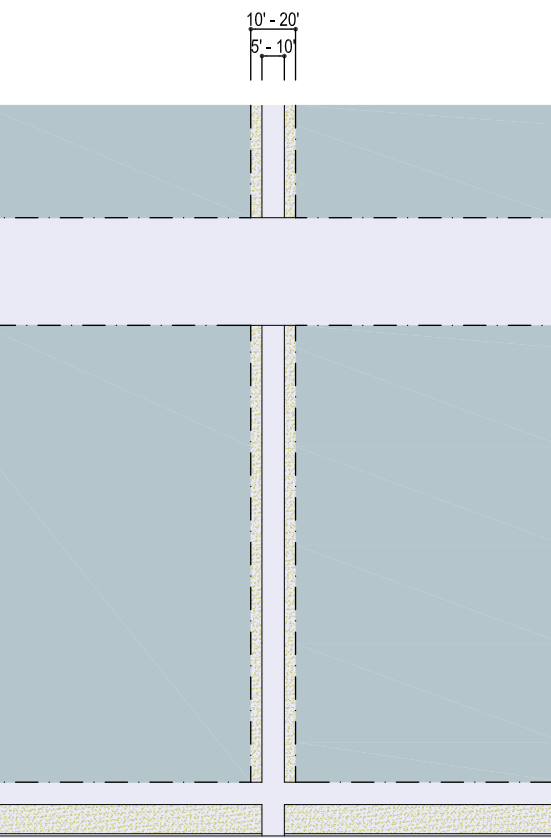
Note:
Designation refers to minimum dimension

Pavement width measured to inside of curb

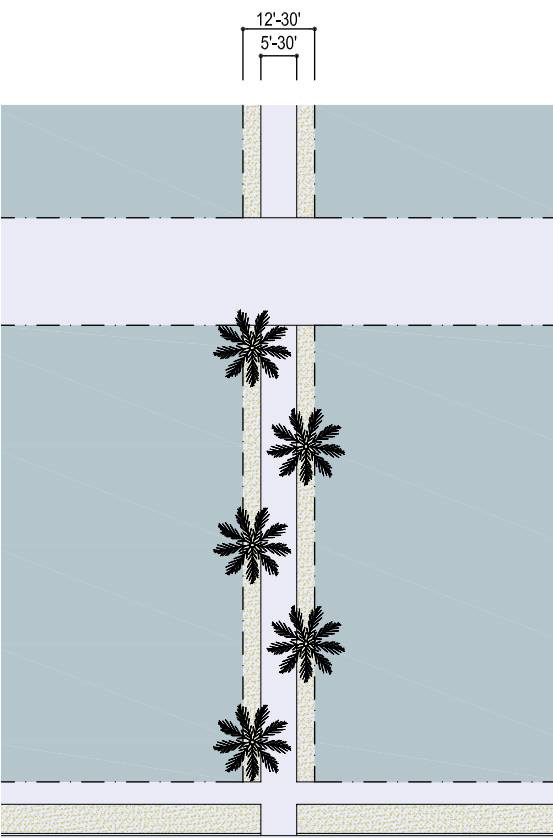
MOVEMENT TYPES	
Yield	below 20 mph
Slow	20 - 25 mph
Free	25 - 30 mph
Speed	30 - 35 mph
High Speed	above 35 mph

THOROUGHFARE TYPES	
Pedestrian Passage	PP
Alley	AL
Road	RD
Street	ST
Avenue	AV
Drive	DR
Boulevard	BV
Highway	HW

Thoroughfare Type	
Character	
Transect Zone Assignment	
Right-of-Way Width	
Sidewalk Easement	
Pavement Width	
Movement	
Traffic Flow	
Design Speed	
Pedestrian Crossing Time	
Traffic Lanes	
Parking Lanes	
Curb Radius	
Visibility Triangle	
Walkway Type	
Planter Type	
Curb Type	
Landscape	
Mobility Type	




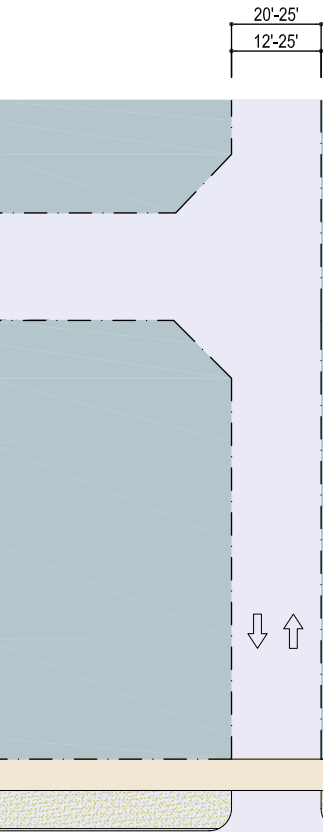
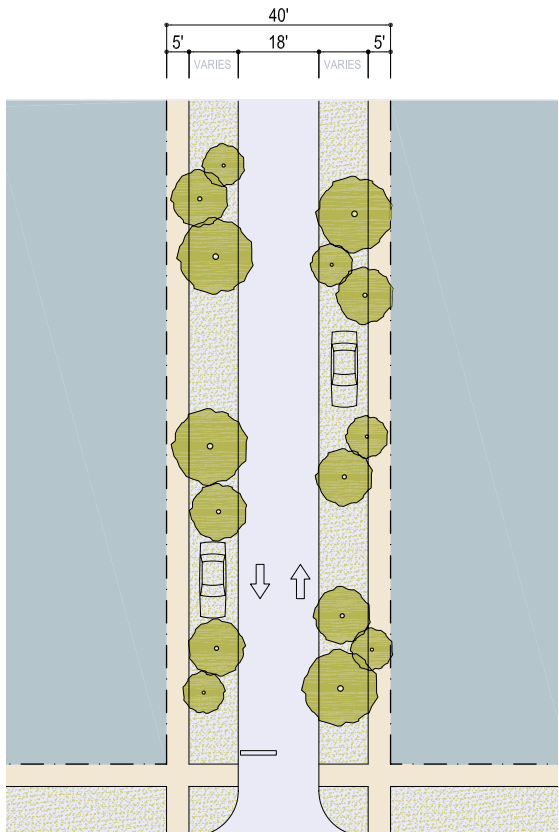


PP-10-5	
Thoroughfare Type	Pedestrian Path
Character	Suburban
Transect Zone Assignment	T3, T4
Right-of-Way Width	10 - 20 feet
Sidewalk Easement	N/A
Pavement Width	5 - 10 feet
Movement	N/A
Traffic Flow	N/A
Design Speed	N/A
Pedestrian Crossing Time	N/A
Traffic Lanes	N/A
Parking Lanes	N/A
Curb Radius	N/A
Visibility Triangle	See Article 3, Section 3.9.4.1; Article 4, Table 8
Walkway Type	Paved or Gravel
Planter Type	Continuous
Curb Type	N/A
Landscape	Groundcover
Mobility Type	Pedestrian, Bicycle



PP-12-5	
Thoroughfare Type	Pedestrian Path
Character	Urban
Transect Zone Assignment	T4, T5, T6
Right-of-Way Width	12 - 30 feet
Sidewalk Easement	N/A
Pavement Width	5 - 30 feet
Movement	Emergency Vehicle Clearance @ 20'
Traffic Flow	N/A
Design Speed	N/A
Pedestrian Crossing Time	N/A
Traffic Lanes	N/A
Parking Lanes	N/A
Curb Radius	N/A
Visibility Triangle	See Article 3, Section 3.9.4.1; Article 4, Table 8
Walkway Type	Paved
Planter Type	Continuous or Individual Planters
Curb Type	N/A
Landscape	Groundcover, Trees
Mobility Type	Pedestrian, Bicycle

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<p>KEY ST-57-20</p> <p>Thoroughfare Type </p> <p>Right of Way Width </p> <p>Pavement Width </p> <p>Note: Designation refers to minimum dimension Pavement width measured to inside of curb</p> <p>MOVEMENT TYPES</p> <p>Yield below 20 mph Slow 20 - 25 mph Free 25 - 30 mph Speed 30 - 35 mph High Speed above 35 mph</p> <p>THOROUGHFARE TYPES</p> <p>Pedestrian Passage PP Alley AL Road RD Street ST Avenue AV Drive DR Boulevard BV Highway HW</p>		
	AL-20-12	RD-40-18
Thoroughfare Type	Alley	Road
Character	Urban	Rural, Suburban
Transect Zone Assignment	T3, T4, T5, T6	T3
Right-of-Way Width	20 - 25 feet	40 feet
Sidewalk Easement	N/A	N/A
Pavement Width	12 - 25 feet	18 feet
Movement	Yield	Slow
Traffic Flow	Two-Way	Two-Way
Design Speed	10 mph	20 - 25 mph
Pedestrian Crossing Time	4 - 8 seconds	6 seconds
Traffic Lanes	2	2
Parking Lanes	None	Parking Allowed on Grass
Curb Radius	5 -10 feet	10 feet
Visibility Triangle	See Article 3, Section 3.9.4.1; Article 4, Table 8	See Article 3, Section 3.9.4.1; Article 4, Table 8
Walkway Type	N/A	5' Sidewalk Optional
Planter Type	N/A	Continuous
Curb Type	Inverted Crown with Concrete or Other	Swale
Landscape	N/A	Natural or Clustered
Mobility Type	Pedestrian, Bicycle, Vehicle	Pedestrian, Bicycle, Vehicle

KEY

ST-57-20

Thoroughfare Type

Right of Way Width

Pavement Width

Note:

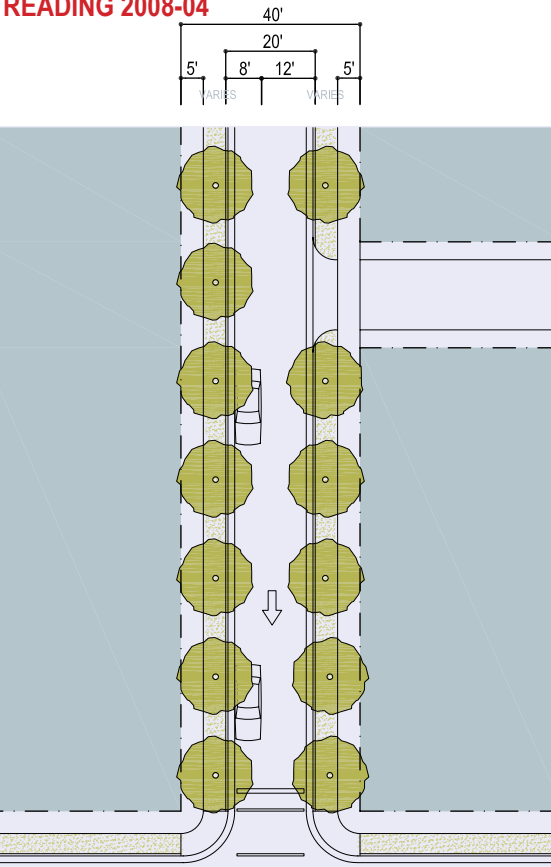
Designation refers to minimum dimension

Pavement width measured to inside of curb

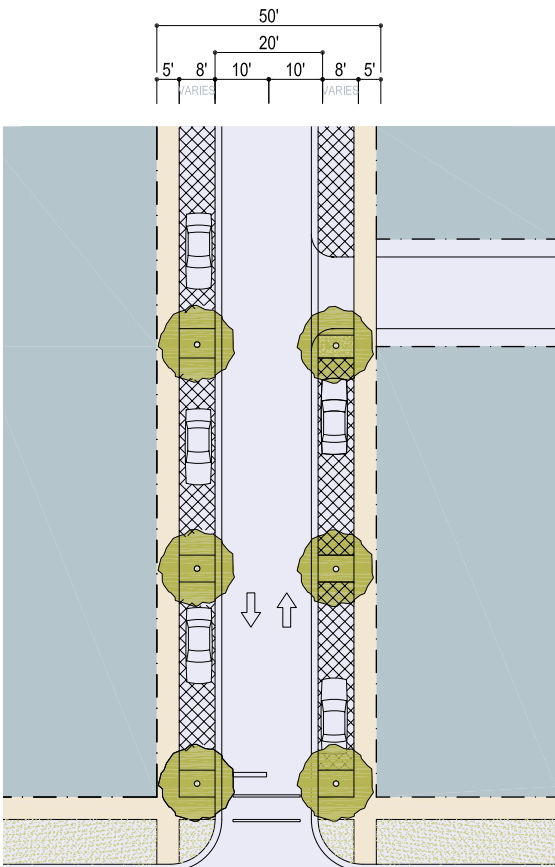
MOVEMENT TYPES	
Yield	below 20 mph
Slow	20 - 25 mph
Free	25 - 30 mph
Speed	30 - 35 mph
High Speed	above 35 mph

THOROUGHFARE TYPES	
Pedestrian Passage	PP
Alley	AL
Road	RD
Street	ST
Avenue	AV
Drive	DR
Boulevard	BV
Highway	HW

Thoroughfare Type	
Character	
Transect Zone Assignment	
Right-of-Way Width	
Sidewalk Easement	
Pavement Width	
Movement	
Traffic Flow	
Design Speed	
Pedestrian Crossing Time	
Traffic Lanes	
Parking Lanes	
Curb Radius	
Visibility Triangle	
Walkway Type	
Planter Type	
Curb Type	
Landscape	
Mobility Type	



ST-40-20	
Thoroughfare Type	Street
Character	Low Density Residential
Transect Zone Assignment	T3, T4
Right-of-Way Width	40 feet
Sidewalk Easement	N/A
Pavement Width	20 feet
Movement	Slow
Traffic Flow	One-Way
Design Speed	20 - 25 mph
Pedestrian Crossing Time	6 seconds
Traffic Lanes	1
Parking Lanes	1
Curb Radius	10 feet
Visibility Triangle	See Article 3, Section 3.9.4.1; Article 4, Table 8
Walkway Type	5' Sidewalk
Planter Type	Continuous
Curb Type	Raised
Landscape	Trees at 22' o.c. avg.
Mobility Type	Pedestrian, Bicycle, Vehicle



ST-50-20	
Thoroughfare Type	Street
Character	Low Density Residential
Transect Zone Assignment	T3, T4
Right-of-Way Width	50 feet
Sidewalk Easement	N/A
Pavement Width	20 feet
Movement	Slow
Traffic Flow	Two-Way
Design Speed	20 - 25 mph
Pedestrian Crossing Time	6 seconds
Traffic Lanes	2
Parking Lanes	2
Curb Radius	10 feet
Visibility Triangle	See Article 3, Section 3.9.4.1; Article 4, Table 8
Walkway Type	5' Sidewalk
Planter Type	Individual Planters and Turf Block
Curb Type	Pan
Landscape	Trees at 22' or 44' o.c. avg.
Mobility Type	Pedestrian, Bicycle, Vehicle

KEY

ST-57-20

Thoroughfare Type

Right of Way Width

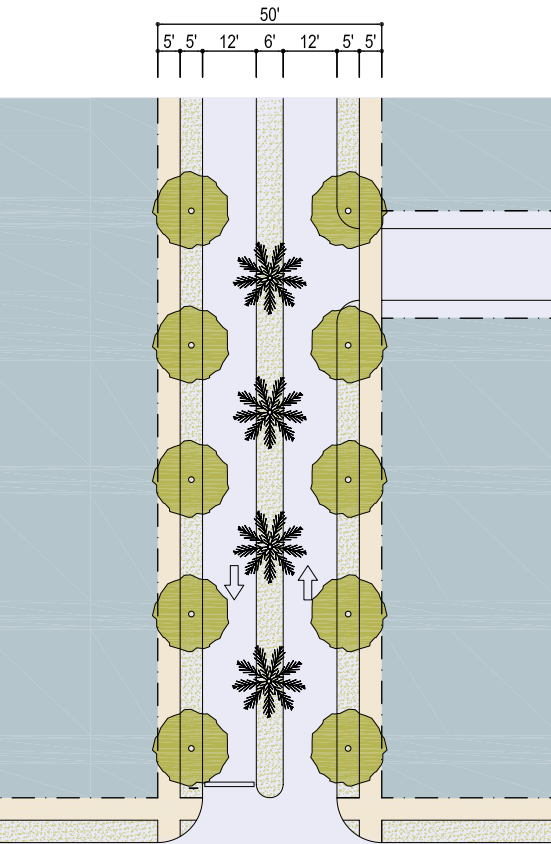
Pavement Width

Note:
Designation refers to minimum dimension
Pavement width measured to inside of curb

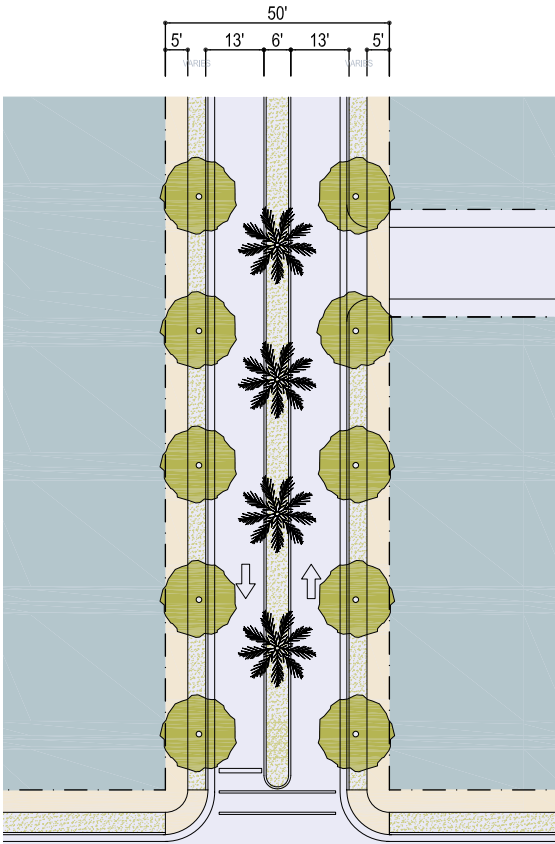
MOVEMENT TYPES	
Yield	below 20 mph
Slow	20 - 25 mph
Free	25 - 30 mph
Speed	30 - 35 mph
High Speed	above 35 mph

THOROUGHFARE TYPES	
Pedestrian Passage	PP
Alley	AL
Road	RD
Street	ST
Avenue	AV
Drive	DR
Boulevard	BV
Highway	HW

Thoroughfare Type	
Character	
Transect Zone Assignment	
Right-of-Way Width	
Sidewalk Easement	
Pavement Width	
Movement	
Traffic Flow	
Design Speed	
Pedestrian Crossing Time	
Traffic Lanes	
Parking Lanes	
Curb Radius	
Visibility Triangle	
Walkway Type	
Planter Type	
Curb Type	
Landscape	
Mobility Type	



AV-50-24
Avenue
Residential
T3, T4
50 feet
N/A
24 feet
Free
Two-Way
25 - 30 mph
9 seconds
2
None
15 feet
See Article 3, Section 3.9.4.1; Article 4, Table 8
5' Sidewalk
Continuous, Continuous Median
Swale
Trees at 22' o.c. avg.
Pedestrian, Bicycle, Vehicle



AV-50-26
Avenue
Residential
T3, T4
50 feet
N/A
26 feet
Free
Two-Way
25 - 30 mph
9 seconds
2
None
15 feet
See Article 3, Section 3.9.4.1; Article 4, Table 8
5' Sidewalk
Continuous, Continuous Median
Raised
Trees at 22' o.c. avg.
Pedestrian, Bicycle, Vehicle

PUBLIC HEARING-FIRST READING 2008-04

KEY	ST-57-20
Thoroughfare Type	
Right of Way Width	
Pavement Width	

Note:
Designation refers to minimum dimension
Pavement width measured to inside of curb

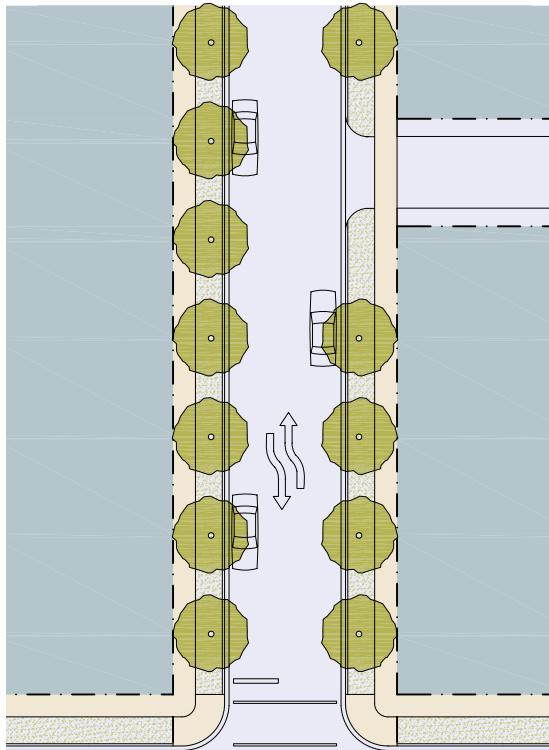
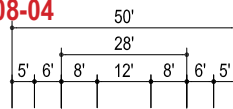
MOVEMENT TYPES

Yield	below 20 mph
Slow	20 - 25 mph
Free	25 - 30 mph
Speed	30 - 35 mph
High Speed	above 35 mph

THOROUGHFARE TYPES

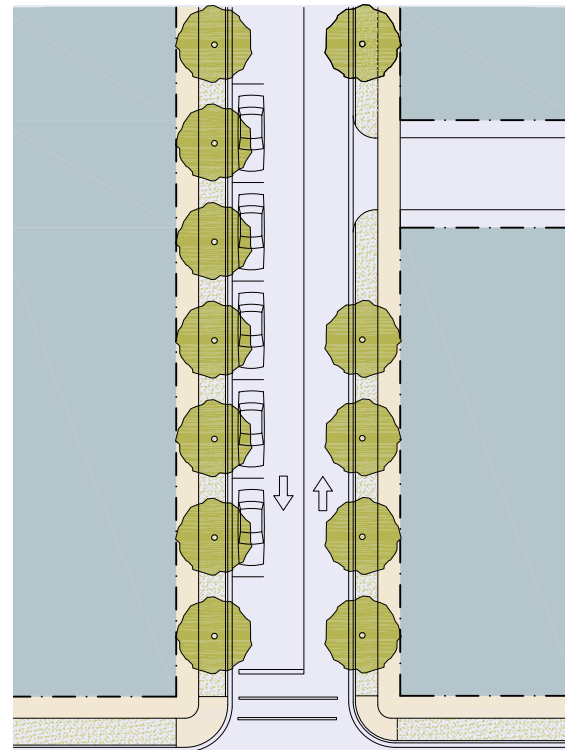
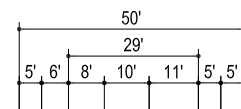
Pedestrian Passage	PP
Alley	AL
Road	RD
Street	ST
Avenue	AV
Drive	DR
Boulevard	BV
Highway	HW

Thoroughfare Type	
Character	
Transect Zone Assignment	
Right-of-Way Width	
Sidewalk Easement	
Pavement Width	
Movement	
Traffic Flow	
Design Speed	
Pedestrian Crossing Time	
Traffic Lanes	
Parking Lanes	
Curb Radius	
Visibility Triangle	
Walkway Type	
Planter Type	
Curb Type	
Landscape	
Mobility Type	



ST-50-28

Thoroughfare Type	Street
Character	Residential
Transect Zone Assignment	T3, T4
Right-of-Way Width	50 feet
Sidewalk Easement	N/A
Pavement Width	28 feet
Movement	Yield
Traffic Flow	Two-Way
Design Speed	20 mph
Pedestrian Crossing Time	8 seconds
Traffic Lanes	2
Parking Lanes	2
Curb Radius	10 feet
Visibility Triangle	See Article 3, Section 3.9.4.1; Article 4, Table 8
Walkway Type	5' Sidewalk
Planter Type	Continuous
Curb Type	Raised
Landscape	Trees at 22' - 25' o.c. avg.
Mobility Type	Pedestrian, Bicycle, Vehicle



ST-50-29

Thoroughfare Type	Street
Character	Residential
Transect Zone Assignment	T3, T4
Right-of-Way Width	50 feet
Sidewalk Easement	N/A
Pavement Width	28 feet
Movement	Slow
Traffic Flow	Two-Way
Design Speed	20 - 25 mph
Pedestrian Crossing Time	8 seconds
Traffic Lanes	2
Parking Lanes	1
Curb Radius	10 feet
Visibility Triangle	See Article 3, Section 3.9.4.1; Article 4, Table 8
Walkway Type	5' Sidewalk
Planter Type	Continuous
Curb Type	Raised
Landscape	Trees at 22' - 25' o.c. avg.
Mobility Type	Pedestrian, Bicycle, Vehicle

KEY

ST-57-20

Thoroughfare Type

Right of Way Width

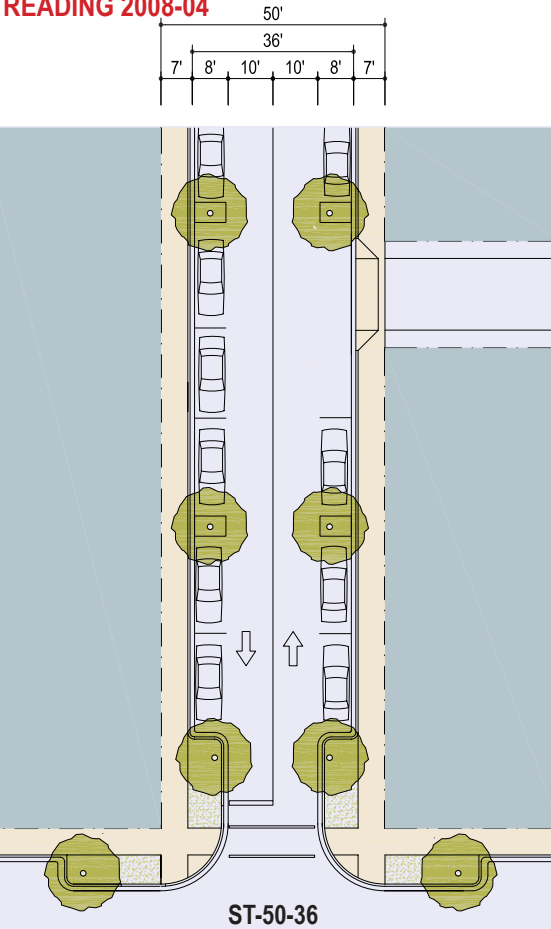
Pavement Width

Note:
Designation refers to minimum dimension
Pavement width measured to inside of curb

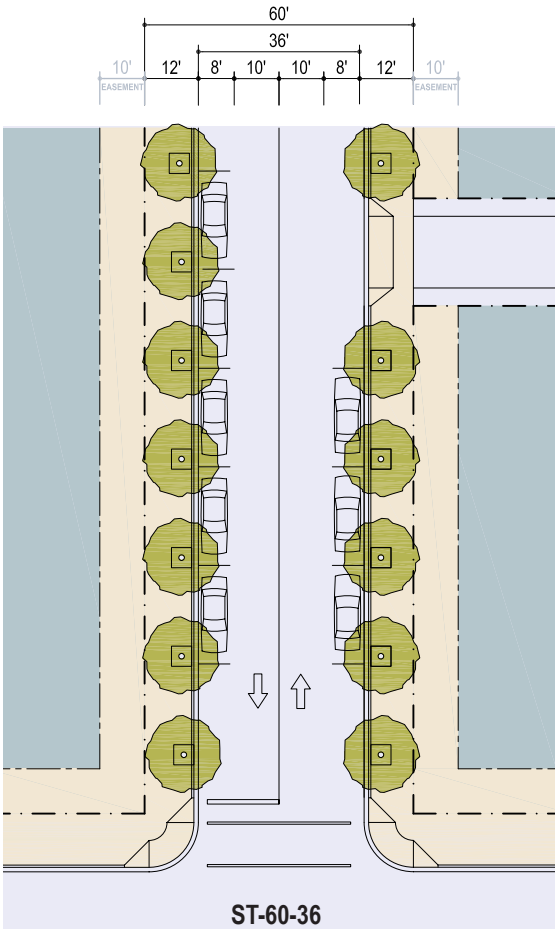
MOVEMENT TYPES	
Yield	below 20 mph
Slow	20 - 25 mph
Free	25 - 30 mph
Speed	30 - 35 mph
High Speed	above 35 mph

THOROUGHFARE TYPES	
Pedestrian Passage	PP
Alley	AL
Road	RD
Street	ST
Avenue	AV
Drive	DR
Boulevard	BV
Highway	HW

Thoroughfare Type	
Character	
Transect Zone Assignment	
Right-of-Way Width	
Sidewalk Easement	
Pavement Width	
Movement	
Traffic Flow	
Design Speed	
Pedestrian Crossing Time	
Traffic Lanes	
Parking Lanes	
Curb Radius	
Visibility Triangle	
Walkway Type	
Planter Type	
Curb Type	
Landscape	
Mobility Type	



ST-50-36	
Street	
Mixed Use	
T4	
50 feet	
N/A	
34 feet	
Slow	
Two-Way	
20 - 25 mph	
6 seconds	
2	
2	
15 feet	
See Article 3, Section 3.9.4.1; Article 4, Table 8	
7' Sidewalk	
Individual Planters in Bulb-outs	
Raised	
Specific Locations	
Pedestrian, Bicycle, Vehicle	






ST-60-36	
Street	
Mixed Use	
T4, T5, T6	
60 feet	
10 feet	
36 feet	
Slow	
Two-Way	
20 - 25 mph	
10 seconds	
2	
2	
15 feet	
See Article 3, Section 3.9.4.1; Article 4, Table 8	
12' - 22' Sidewalk	
Individual Planters	
Raised	
Trees at 22' o.c. avg.	
Pedestrian, Bicycle, Vehicle, Transit Route	

Note: 10' Easement Not Applicable to T4

PUBLIC HEARING-FIRST READING 2008-04

KEY ST-57-20

Thoroughfare Type 
 Right of Way Width 
 Pavement Width 

Note:
 Designation refers to minimum dimension
 Pavement width measured to inside of curb

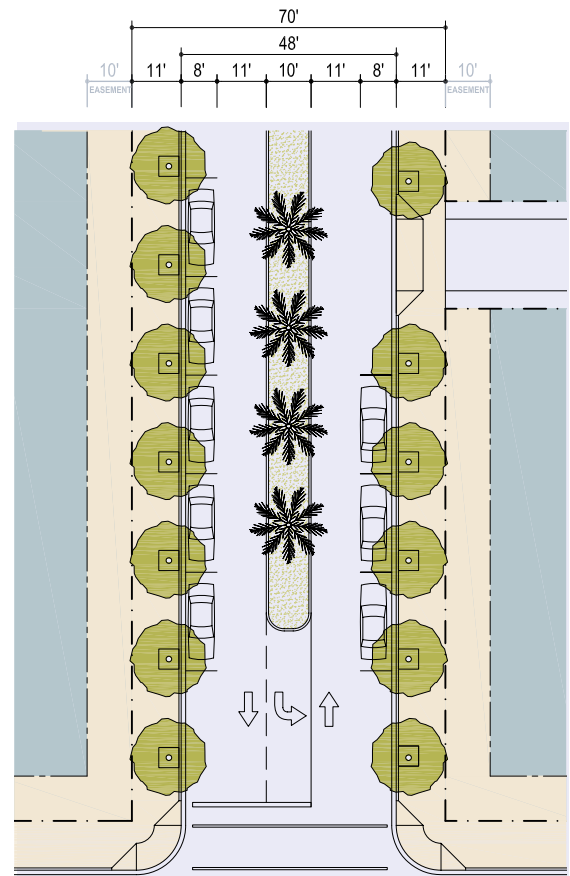
MOVEMENT TYPES

Yield below 20 mph
 Slow 20 - 25 mph
 Free 25 - 30 mph
 Speed 30 - 35 mph
 High Speed above 35 mph

THOROUGHFARE TYPES

Pedestrian Passage PP
 Alley AL
 Road RD
 Street ST
 Avenue AV
 Drive DR
 Boulevard BV
 Highway HW

Thoroughfare Type	Street
Character	Mixed Use
Transect Zone Assignment	T4, T5, T6
Right-of-Way Width	70 feet
Sidewalk Easement	10 feet
Pavement Width	38 feet
Movement	Free, Speed
Traffic Flow	Two-Way
Design Speed	25 - 35 mph
Pedestrian Crossing Time	11 seconds
Traffic Lanes	2
Parking Lanes	2
Curb Radius	15 feet
Visibility Triangle	See Article 3, Section 3.9.4.1; Article 4, Table 8
Walkway Type	16' -26' Sidewalk
Planter Type	Individual Planters
Curb Type	Raised
Landscape	Trees at 22' o.c. avg.
Mobility Type	Pedestrian, Bicycle, Vehicle, Transit Route






Thoroughfare Type	Avenue
Character	Mixed Use
Transect Zone Assignment	T4, T5, T6
Right-of-Way Width	70 feet
Sidewalk Easement	10 feet
Pavement Width	38 feet
Movement	Slow
Traffic Flow	Two-Way
Design Speed	20 - 25 mph
Pedestrian Crossing Time	14 seconds
Traffic Lanes	2 Moving Lanes, 1 Turning Center Lane
Parking Lanes	2
Curb Radius	10 feet
Visibility Triangle	See Article 3, Section 3.9.4.1; Article 4, Table 8
Walkway Type	11' - 21' Sidewalk
Planter Type	Individual Planters, Continuous Median
Curb Type	Raised
Landscape	Trees at 22' - 25' o.c. avg.
Mobility Type	Pedestrian, Bicycle, Vehicle, Transit Route

Note: 10' Easement Not Applicable to T4

Note: 10' Easement Not Applicable to T4

PUBLIC HEARING-FIRST READING 2008-04

KEY ST-57-20

Thoroughfare Type 
 Right of Way Width 
 Pavement Width 

Note:
 Designation refers to minimum dimension
 Pavement width measured to inside of curb

MOVEMENT TYPES

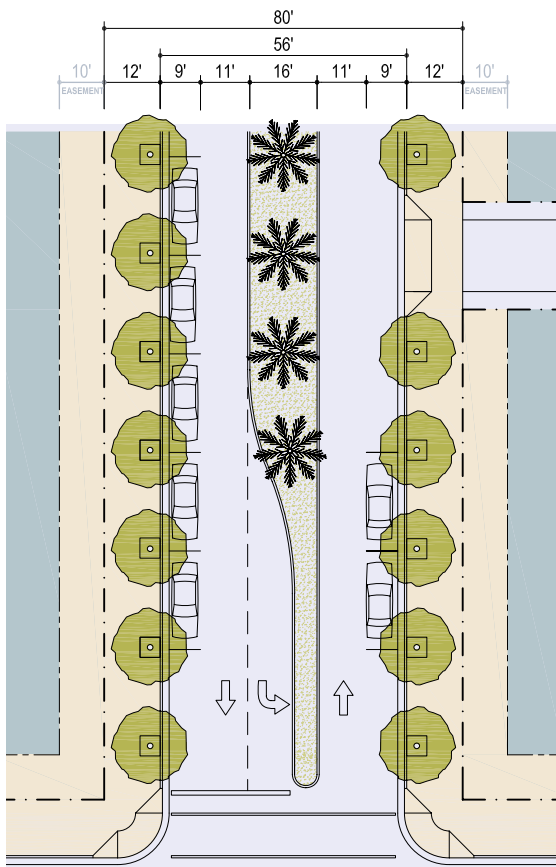
Yield below 20 mph
 Slow 20 - 25 mph
 Free 25 - 30 mph
 Speed 30 - 35 mph
 High Speed above 35 mph

THOROUGHFARE TYPES

Pedestrian Passage PP
 Alley AL
 Road RD
 Street ST
 Avenue AV
 Drive DR
 Boulevard BV
 Highway HW

Thoroughfare Type	Avenue
Character	Mixed Use
Transect Zone Assignment	T5, T6
Right-of-Way Width	70 feet
Sidewalk Easement	10 feet
Pavement Width	46 feet
Movement	Free
Traffic Flow	Two-Way
Design Speed	25 - 30 mph
Pedestrian Crossing Time	16 seconds
Traffic Lanes	2 Moving Lanes, 2 Temporary Lanes, 1 Turning Center Lane
Parking Lanes	2 Temporary
Curb Radius	15 - 20 feet
Visibility Triangle	See Article 3, Section 3.9.4.1; Article 4, Table 8
Walkway Type	7' - 17' Sidewalk
Planter Type	Individual Planters, Continuous Median
Curb Type	Raised
Landscape	Trees at 22' - 25' o.c. avg.
Mobility Type	Pedestrian, Bicycle, Vehicle, Transit Route

Note: 10' Easement Not Applicable to T4






Thoroughfare Type	Avenue
Character	Mixed Use
Transect Zone Assignment	T4, T5, T6
Right-of-Way Width	80 feet
Sidewalk Easement	10 feet
Pavement Width	40 feet
Movement	Free
Traffic Flow	Two-Way
Design Speed	25 - 30 mph
Pedestrian Crossing Time	16 seconds
Traffic Lanes	2 Moving Lanes, 1 Turning Median
Parking Lanes	2
Curb Radius	15 - 20 feet
Visibility Triangle	See Article 3, Section 3.9.4.1; Article 4, Table 8
Walkway Type	12' - 22' Sidewalk
Planter Type	Individual Planters, Continuous Median
Curb Type	Raised
Landscape	Trees at 22' o.c. avg.
Mobility Type	Pedestrian, Bicycle, Vehicle, Transit Route

Note: 10' Easement Not Applicable to T4

PUBLIC HEARING-FIRST READING 2008-04

KEY ST-57-20

Thoroughfare Type 
Right of Way Width 
Pavement Width 

Note:
Designation refers to minimum dimension
Pavement width measured to inside of curb

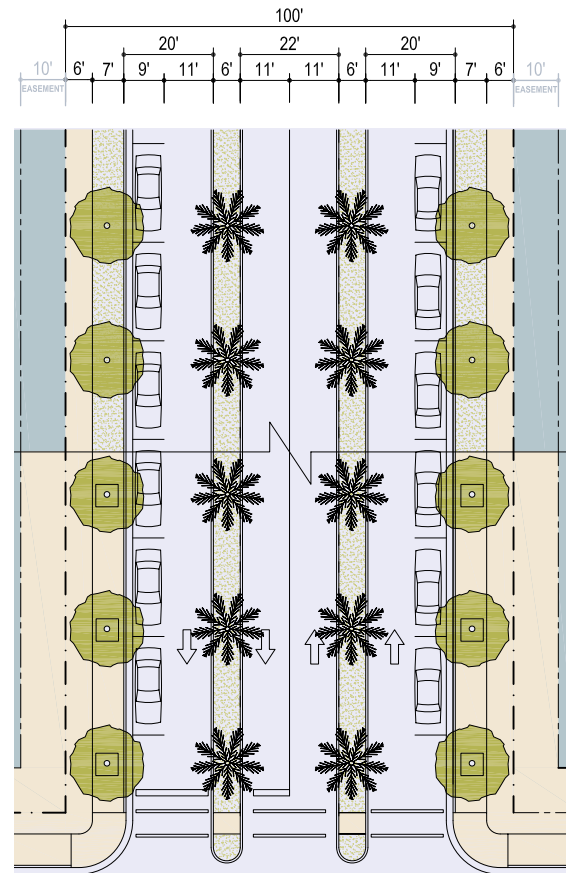
MOVEMENT TYPES

Yield below 20 mph
Slow 20 - 25 mph
Free 25 - 30 mph
Speed 30 - 35 mph
High Speed above 35 mph

THOROUGHFARE TYPES

Pedestrian Passage PP
Alley AL
Road RD
Street ST
Avenue AV
Drive DR
Boulevard BV
Highway HW

Thoroughfare Type	Avenue
Character	Mixed Use
Transect Zone Assignment	T4, T5, T6
Right-of-Way Width	90 feet
Sidewalk Easement	10 feet
Pavement Width	60 feet
Movement	Free
Traffic Flow	Two-Way
Design Speed	25 - 30 mph
Pedestrian Crossing Time	17 seconds
Traffic Lanes	4 Moving Lanes , 1 Turning Median
Parking Lanes	2
Curb Radius	15 - 20 feet
Visibility Triangle	See Article 3, Section 3.9.4.1; Article 4, Table 8
Walkway Type	9' - 19' Sidewalk
Planter Type	Individual Planters, Continuous Median
Curb Type	Raised
Landscape	Trees at 22' o.c. avg.
Mobility Type	Pedestrian, Bicycle, Vehicle, Transit Route



Thoroughfare Type	Boulevard
Character	Mixed Use
Transect Zone Assignment	T4, T5, T6
Right-of-Way Width	100 feet
Sidewalk Easement	10 feet
Pavement Width	62 feet
Movement	Free
Traffic Flow	Two-Way
Design Speed	25 - 30 mph
Pedestrian Crossing Time	16 seconds
Traffic Lanes	4 Moving Lanes
Parking Lanes	2
Curb Radius	15 - 20 feet
Visibility Triangle	See Article 3, Section 3.9.4.1; Article 4, Table 8
Walkway Type	6' - 16' Sidewalk
Planter Type	Individual Planters, Continuous Median
Curb Type	Raised
Landscape	Trees at 22' o.c. avg.
Mobility Type	Pedestrian, Bicycle, Vehicle, Transit Route

Note: 10' Easement Not Applicable to T4

Note: 10' Easement Not Applicable to T4

KEY

ST-57-20

Thoroughfare Type

Right of Way Width

Pavement Width

Note:

Designation refers to minimum dimension

Pavement width measured to inside of curb

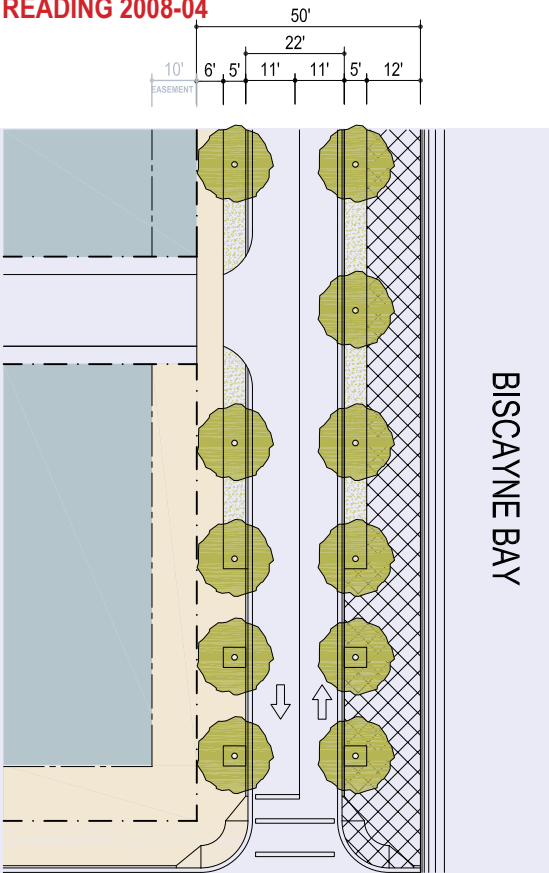
MOVEMENT TYPES

Yield	below 20 mph
Slow	20 - 25 mph
Free	25 - 30 mph
Speed	30 - 35 mph
High Speed	above 35 mph

THOROUGHFARE TYPES

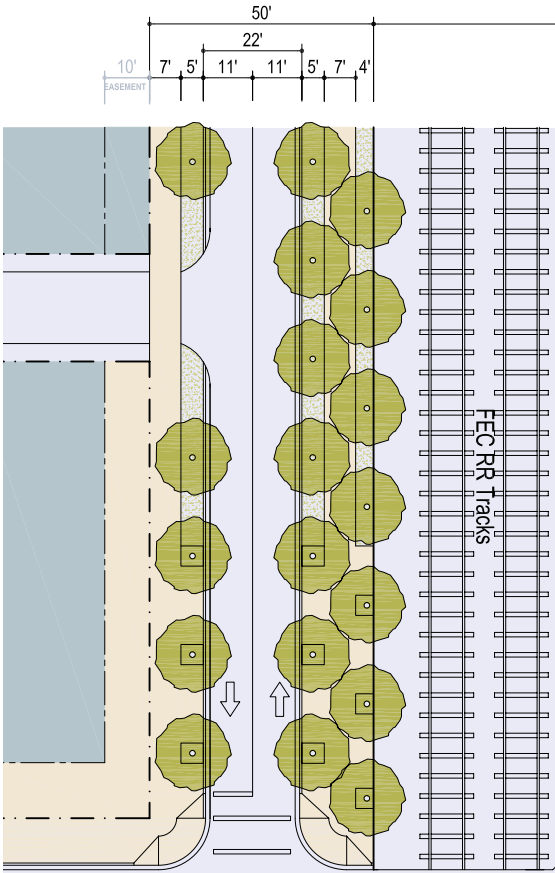
Pedestrian Passage	PP
Alley	AL
Road	RD
Street	ST
Avenue	AV
Drive	DR
Boulevard	BV
Highway	HW

Thoroughfare Type	
Character	
Transect Zone Assignment	
Right-of-Way Width	
Sidewalk Easement	
Pavement Width	
Movement	
Traffic Flow	
Design Speed	
Pedestrian Crossing Time	
Traffic Lanes	
Parking Lanes	
Curb Radius	
Visibility Triangle	
Walkway Type	
Planter Type	
Curb Type	
Landscape	
Mobility Type	



DR-50-22	Greenway Drive
	Waterfront Promenade
	T3, T4, T5, T6
	50 feet
	10 feet
	22 feet
	Slow
	Two-Way
	20 - 25 mph
	7 seconds
	2
	None or added as R.O.W. increases
	15 feet
	See Article 3, Section 3.9.4.1; Article 4, Table 8
	6' - 16' Sidewalk, Promenade
	Continuous or Individual Planters
	None
	Trees at 22' o.c. avg.
	Pedestrian, Bicycle, Vehicle, Transit Route

Note: 10' Easement Not Applicable to T4






DR-50-22	Greenway Drive
	RR Greenway
	T3, T4, T5, T6
	50 feet
	10 feet
	22 feet
	Slow
	Two-Way
	20 - 25 mph
	7 seconds
	2
	None or added as R.O.W. increases
	15 feet
	See Article 3, Section 3.9.4.1; Article 4, Table 8
	7' - 17' Sidewalk
	Continuous or Individual Planters
	None
	Trees at 22' o.c. avg. or Alternating
	Pedestrian, Bicycle, Vehicle, Transit Route

Note: 10' Easement Not Applicable to T4

PUBLIC HEARING-FIRST READING 2008-04

KEY ST-57-20

Thoroughfare Type 
Right of Way Width 
Pavement Width 

Note:
Designation refers to minimum dimension
Pavement width measured to inside of curb

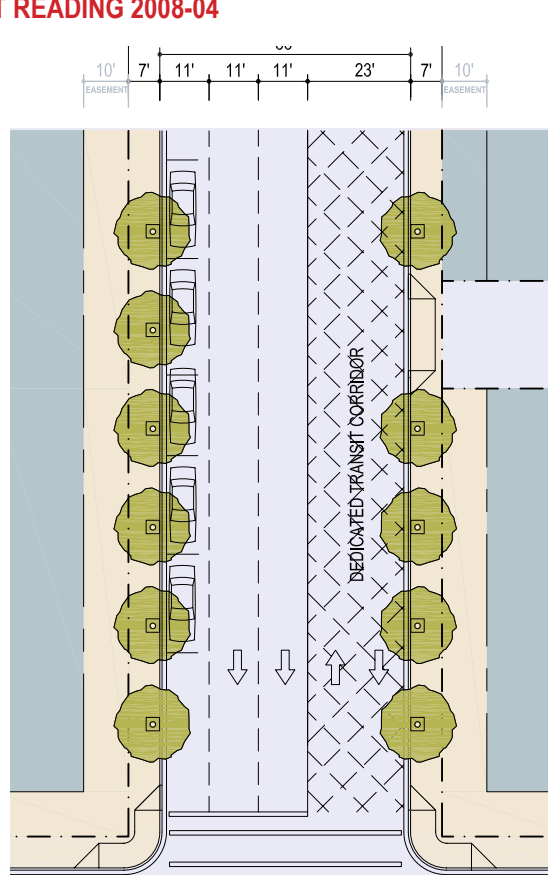
MOVEMENT TYPES

Yield below 20 mph
Slow 20 - 25 mph
Free 25 - 30 mph
Speed 30 - 35 mph
High Speed above 35 mph

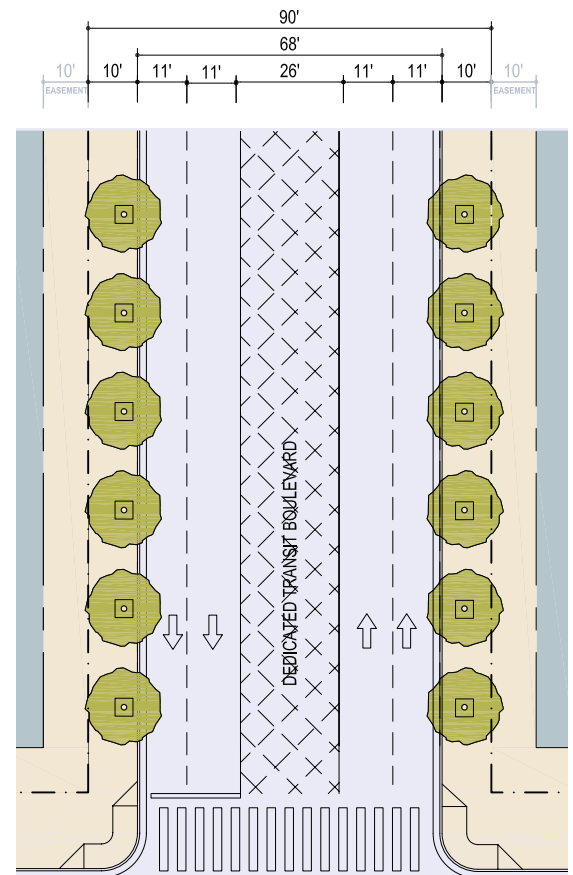
THOROUGHFARE TYPES

Pedestrian Passage PP
Alley AL
Road RD
Street ST
Avenue AV
Drive DR
Boulevard BV
Highway HW

Thoroughfare Type	Street
Character	Mixed Use
Transect Zone Assignment	T4, T5, T6
Right-of-Way Width	70 feet
Sidewalk Easement	10 feet
Pavement Width	56 feet
Movement	Free
Traffic Flow	Two-Way
Design Speed	25 - 30 mph
Pedestrian Crossing Time	16 seconds
Traffic Lanes	2
Parking Lanes	1
Curb Radius	15 - 20 feet
Visibility Triangle	See Article 3, Section 3.9.4.1; Article 4, Table 8
Walkway Type	7' - 17' Sidewalk
Planter Type	Individual Planters
Curb Type	Raised
Landscape	Trees at 22' o.c. avg.
Mobility Type	Pedestrian, Bicycle, Vehicle, Transit Route



TR: ST-70-56



TR: AV-90-62

Thoroughfare Type	Boulevard
Character	Mixed Use
Transect Zone Assignment	T5, T6
Right-of-Way Width	90 feet
Sidewalk Easement	10 feet
Pavement Width	62 feet
Movement	Free
Traffic Flow	Two-Way
Design Speed	25 - 30 mph
Pedestrian Crossing Time	16 seconds
Traffic Lanes	4
Parking Lanes	None
Curb Radius	15 - 20 feet
Visibility Triangle	See Article 3, Section 3.9.4.1; Article 4, Table 8
Walkway Type	10' - 20' Sidewalk
Planter Type	Individual Planters
Curb Type	Raised
Landscape	Trees at 22' o.c. avg.
Mobility Type	Pedestrian, Bicycle, Vehicle, Transit Route

Note: 10' Easement Not Applicable to T4

Note: 10' Easement Not Applicable to T4