

Resolution 2009-495

1
2 A RESOLUTION OF THE BOARD OF COUNTY
3 COMMISSIONERS OF BROWARD COUNTY, FLORIDA,
4 PERTAINING TO THE OPTIONAL ROADWAY DESIGN
5 GUIDELINES; AMENDING CHAPTER 25 OF THE
6 BROWARD COUNTY ADMINISTRATIVE CODE,
7 "OPERATIONAL POLICY, PUBLIC WORKS," EXHIBIT
8 25.A, "MINIMUM STANDARDS APPLICABLE TO PUBLIC
9 RIGHTS-OF-WAY UNDER BROWARD COUNTY
10 JURISDICTION," CHAPTER 5, "PAVING AND DRAINAGE-
11 GENERAL REQUIREMENTS"; CHAPTER 6, "ARTERIAL
12 AND COLLECTOR ROADS TECHNICAL
13 REQUIREMENTS"; CHAPTER 18, "LANDSCAPE
14 PLANTING-TECHNICAL REQUIREMENTS"; AND ADDING
15 NEW APPENDIX "E" PROVIDING FOR IMPLEMENTATION
16 OF ROADWAY DESIGN GUIDELINES; PROVIDING FOR
17 SEVERABILITY; PROVIDING FOR INCLUSION IN THE
18 BROWARD COUNTY ADMINISTRATIVE CODE; AND
19 PROVIDING FOR AN EFFECTIVE DATE.

20
21 BE IT RESOLVED BY THE BOARD OF COUNTY COMMISSIONERS OF
22 BROWARD COUNTY, FLORIDA:

23 Section 1. Chapter 25 of the Broward County Administrative Code,
24 "Operational Policy, Public Works," Exhibit 25.A, "Minimum Standards Applicable to
Public Rights-of-Way Under Broward County Jurisdiction," Chapter 5, "Paving and
Drainage-General Requirements," is hereby amended to read as follows:

...

5-3. Plans and Modifications.

...

5-3.14 *Residential Driveway Connections:* Plans for residential driveway
connections, meeting the conditions of Section 5-2.2 of this Chapter, may be submitted
on legal size paper provided that scale requirements are met and only one (1) sheet is

Coding: Words in ~~struck-through~~ type are deletions from existing text. Words in
underscored type are additions.

1 required. Such plans need not be signed or sealed by a P.E. and need not indicate the
2 locations of existing underground facilities.

3 ...

4 **5-3.14.2 *Parking Spaces:*** Residential homes adjacent to Public Right-of-Way
5 shall provide for a minimum of two (2) parking spaces. This requirement
6 may be met by any combination of garage parking or driveway parking, all
7 of which shall be on private property. The Director of the Highway
8 Construction and Engineering Division may approve, approve with
9 conditions, or deny requests for on-street parking. Such requests shall be
10 accompanied by a municipal resolution approving the request, an approval
11 letter from the Florida Department of Transportation, if parking is proposed
12 on a State road, and a technical study, acceptable to the Director,
13 justifying the need for on-street parking and documenting that the
14 proposed on-street parking will not endanger public safety and adversely
15 affect traffic operating conditions. The Director shall consider the following
16 in determining whether to approve such requests: posted speed, traffic
17 volume, road capacity, roadway design characteristics, adequacy of storm
18 drainage facilities, expansion plans, impact upon pedestrians and
19 bicyclists, and evidence of current or previous on-street parking in the
20 same location. Decisions made by the Director may be appealed to the
21 Board of County Commissioners who shall consider the criteria listed
22 above and may approve, approve with conditions, or deny requests.

23 ...

24

Coding: Words in ~~struck-through~~ type are deletions from existing text. Words in
underscored type are additions.

1 Section 2. Chapter 6, "Arterial and Collector Roads Technical Requirements,"
2 is hereby amended to read as follows:

3 . . .

4 **6-1. Roadways.**

5 6-1.1 *Minimum Design Criteria:* As a minimum, roads designated as arterial or
6 collector roads and related facilities shall be designed in substantial accordance with
7 the: "The Green Book," "Design Standards," and the "Utility Accommodation Guide
8 Manual," all as published by FDOT, "The Land Development Code," Chapter 5, Article
9 IX of the "Broward County Code of Ordinances," EPD's "Code of Regulations," Chapter
10 27, Section 406e "Design Criteria," ~~Sub-Section~~ Subsection 1.C.3 entitled "Flood
11 Protection" and the provisions of the "Americans With Disabilities Act." Roadway
12 segments designated a "Urban Core," "Urban Residential," or "Urban Main Street" on
13 the Trafficways Plan of Broward County shall be designed in substantial accordance
14 with all of the above, except to the extent that other criteria permitted under Appendix E
15 may apply.

16 . . .

17 6-1.3 *Typical Sections:* A typical section shall be shown on all plans. For
18 submittal of a new roadway or new through lanes, the applicant shall submit sketches of
19 the proposed typical right-of-way sections to the Highway Construction and Engineering
20 Division for approval prior to beginning the preparation of plans. Proposed typical right-
21 of-way cross sections shall follow the format and general provisions shown in Drawings
22 1 through 6 in Appendix A, except that roadway segments designated as "Urban Core,"
23 "Urban Residential," or "Urban Main Street" on the Trafficways Plan of Broward County
24 may incorporate other criteria, as permitted under Appendix E herein. The Highway

Coding: Words in ~~struck-through~~ type are deletions from existing text. Words in
underscored type are additions.

1 Construction and Engineering Division may require submittal of a traffic study that
2 evaluates the anticipated traffic volume and the capacity of the new roadway based on
3 Florida Department of Transportation standards.

4 . . .

5 6-1.14 *Sidewalks*: Sidewalks shall be of unreinforced Portland Cement Concrete
6 and shall be as shown in Drawing 14 in Appendix A, unless otherwise approved.
7 Alternate materials of construction, such as asphaltic concrete, and special surface
8 treatments, such as pavers, tiles, etc., shall be considered when requested by the
9 Engineer of Record.

10 Narrow grass strips (one (1) to three (3) feet) between sidewalk and curb and gutter
11 shall be eliminated by increasing the width of sidewalk. Sidewalks adjacent to curbs
12 shall be six (6) feet wide, unless otherwise approved by the Highway Construction and
13 Engineering Division, except that roadway segments designated as "Urban Core,"
14 "Urban Residential," or "Urban Main Street" on the Trafficways Plan of Broward County
15 may incorporate other criteria, as permitted under Appendix E herein.

16 . . .

17 6-1.15 *Swales, Driveway Connections and Sidewalks*: Swales, driveway
18 connections and sidewalks shall be maintained by the owners of the abutting properties,
19 in accordance with Drawings 14, 15, and 16 in Appendix A, as applicable, at no
20 expense to Broward County.

21 Clear sight zones shall be provided and maintained in accordance with the
22 provisions of FDOT "Design Standards," Index 546 (as amended), and in accordance
23 with the provisions of the Broward County Land Development Code.

24

Coding: Words in ~~struck-through~~ type are deletions from existing text. Words in
underscored type are additions.

1 Swales that are paved or are proposed to be paved and shall exceed thirty (30)
2 percent of lot frontage or eighteen (18) feet, whichever is greater, shall be required to
3 install drains as shown on Drawing 17, in Appendix A, unless a positive drainage
4 system has already been installed or is proposed to be installed by the County. All
5 swale drainage facilities not part of a positive, right-of-way drainage system shall be
6 maintained by the owner of the abutting private property.

7 For a duplex or a single family home, no single driveway pavement shall exceed
8 18 feet. Where a lot is in a location or orientation that allows for construction of a circle
9 driveway, then the combined driveway pavement widths shall not exceed 28 feet (for
10 example an 18 foot wide driveway, two-car driveway with a 10 foot circle driveway).
11 Driveways shall be setback a minimum of 5 feet from the side property line unless
12 approved by the Highway Construction and Engineering Division based upon a field
13 inspection which determines that there shall be adequate onsite drainage for storm
14 water retention.

15 Multifamily and non-residential development shall be designed with an onsite
16 parking lot and driveways which comply with the standards of the Broward County Land
17 Development Code. Requests for on-street parking may be considered pursuant to
18 Section 5-3.14.2 of this Chapter.

19 Driveways that exceed these standards shall be reviewed on a case by case
20 basis according to standard acceptable engineering practices and shall require approval
21 by the Highway Construction and Engineering Division Director or designee.

22 Gravel shall not be placed in swales which provide drainage facilities to convey
23 and/or store drainage for the right-of-way, and parking in swales is prohibited, in
24 accordance with Chapter 25, Section 25.19, of the Broward County "Administrative

Coding: Words in ~~struck-through~~ type are deletions from existing text. Words in
underscored type are additions.

1 Code." Requests for on-street parking may be considered pursuant to Section 5-3.14.2
2 of this Chapter.

3 . . .

4 Section 3. Chapter 18, "Landscape Planting-Technical Requirements,"
5 Section 18-1, "Standards," is hereby amended to read as follows:

6 **18-1. Standards.**

7 Planting within public right-of-way shall be performed in accordance with the
8 following documents except as modified hereinafter, and with the provisions of this
9 Chapter:

10 FDOT "Green Book"

11 FDOT Roadway "Design Standards," Index 546-

12 Broward County "Land Development Code"

13 Provisions of Chapters 1 through 4 of this document-

14 except that roadway segments designated as "Urban Core," "Urban Residential," or
15 "Urban Main Street" on the Trafficways Plan of Broward County may incorporate other
16 criteria, as permitted under Appendix E herein.

17 Section 4. Exhibit 25.A, "Minimum Standards Applicable to Public
18 Rights-of-Way Under Broward County Jurisdiction," is hereby amended to add a new
19 Appendix "E" entitled "Optional Trafficways Corridors Criteria," attached hereto.

20 Section 5. SEVERABILITY.

21 If any portion of this Resolution is determined by any Court to be invalid, the
22 invalid portion shall be stricken, and such striking shall not affect the validity of the
23 remainder of this Resolution. If any Court determines that this Resolution, or any
24 portion hereof, cannot be legally applied to any individual(s), group(s), entity(ies),

Coding: Words in ~~struck-through~~ type are deletions from existing text. Words in
underscoring type are additions.

1 property(ies), or circumstance(s), such determination shall not affect the applicability
2 hereof to any other individual, group, entity, property, or circumstance.

3 Section 6. INCLUSION IN THE ADMINISTRATIVE CODE.

4 It is the intention of the Board of County Commissioners that the provisions of
5 this Resolution shall become and be made a part of the Broward County Administrative
6 Code; and that the sections of this Resolution be renumbered or re-lettered and the
7 word "resolution" may be changed to "section," "article," or such other appropriate word
8 or phrase in order to accomplish such intentions.

9 Section 7. EFFECTIVE DATE.

10 This Resolution shall become effective upon adoption.

11
12 ADOPTED this 11th day August, 2009. #2-2PM.
13
14
15
16
17
18
19
20
21
22

23 MA/lt
5/28/09
#09-434
24 roadwaydesign-r01.doc

Coding: Words in ~~struck-through~~ type are deletions from existing text. Words in
underscored type are additions.

APPENDIX E – OPTIONAL TRAFFICWAYS CORRIDORS CRITERIA

Design Factor	URBAN CORE					URBAN MAIN STREET			URBAN RESIDENTIAL
	1. 100-106-110 ROW Urban Core OPTION A (5-lane Undivided)	2. 100-106-110 ROW Urban Core OPTION B (4-lane with median)	3. 100-106-110 ROW Urban Core OPTION C (7-lane undivided)	4. 120 ROW Urban Core OPTION A (6-lane plus median)	5. 120 ROW Urban Core OPTION B (4-lane with median)	6. 80-94 ROW (8) Urban Main Street OPTION A (5-lane undivided)	7. 80-94 ROW (8) Urban Main Street OPTION B (5-lane undivided)	8. 80 ROW Urban Main Street (2-lane undivided)	9. 70 ROW Urban Residential (5-lane undivided)
Generalized Volume (ADT)	14,500–34,900	14,500–34,900	14,500–34,900	14,500–34,900	14,500–34,900	9,600–24,300	9,600–24,300	9,600–24,300	9,600–24,300
Vehicular Access	Section 5-195(b)(11)	Section 5-195(b)(11)	Section 5-195(b)(11)	Section 5-195(b)(11)	Section 5-195(b)(11)	Section 5-195(b)(11)	Section 5-195(b)(11)	Section 5-195(b)(11)	Section 5-195(b)(11)
Design Speed (1)	25-30 mph	25-30 mph	30-35 mph	30-35 mph	25-30 mph	30-35 mph	25-30 mph	25-30 mph	25-30 mph
Typical Street Spacing	Section 5-195(b)(3)	Section 5-195(b)(3)	Section 5-195(b)(3)	Section 5-195(b)(3)	Section 5-195(b)(3)	Section 5-195(b)(3)	Section 5-195(b)(3)	Section 5-195(b)(3)	Section 5-195(b)(3)
Minimum Thru-Lane Width	11 ft	11 ft	11 ft	11 ft	11 ft	11 ft	11 ft	11 ft	11 ft
Pavement Markings (2)	Thermoplastic	Thermoplastic	Thermoplastic	Thermoplastic	Thermoplastic	Thermoplastic	Thermoplastic	Thermoplastic	Thermoplastic
Driveway Design	Street Type	Street Type	Street Type	Street Type	Street Type	Street Type	Street Type	Street Type	Street Type
On-Street Parking	Yes	Yes	No	No	Yes	No	Yes	Yes	Yes
Median Width w / Curb / Gutter	11 ft (Center left turn lane)	16 ft (median)	11 ft (Center left turn lane)	16 ft (median)	16 ft (median)	11 ft (Center left turn lane)	11 ft (Center left turn lane)	(No median)	11 ft (Center left turn lane)
Border Width	8.5 ft to 14 ft	8.5-11.5 ft	7.5 ft to 9.5 ft	15 ft	16.5 ft	15.5 ft	8 ft	15 ft	7.5 ft
Left Turn Lanes (3)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No (8)	Yes
Traffic Signal	As Warranted	As Warranted	As Warranted	As Warranted	As Warranted	As Warranted	As Warranted	As Warranted	As Warranted
Pedestrian Crossings (4)	At Intersections and at Mid-block (Non-Peak) with special treatment approved by County	At Intersections and at Mid-block (Non-Peak) with special treatment approved by County	At Intersections and at Mid-block (Non-Peak) with special treatment approved by County	At Intersections Only	At Intersections Only	At Intersections and at Mid-block (Non-Peak) with special treatment approved by County	At Intersections and at Mid-block (Non-Peak) with special treatment approved by County	At Intersections and at Mid-block (Non-Peak) with special treatment approved by County	At Intersections and at Mid-block (Non-Peak) with special treatment approved by County
Exclusive right turn lane required at intersections & driveways (6)	No	No	No	No	No	No	No	No	No
TRAFFICWAYS PLAN Designations (9)	Arterial 100',106',110' (9)	Arterial 100',106',110' (9)	Arterial 100',106',110' (9)	Arterial 120' (9)	Arterial 120' (9)	Arterial 100'-106' (9)	Arterial 100'-106' (9)	Collector 80'-90' (9)	Collector 70' (9)
Right-of-Way (3)	100'-106'	100'-106'	100'-106'	120'	120'	80 - 94' (8)	80 - 94' (8)	80'	70'
Design Vehicle	SU and WB-50	SU and WB-50	SU and WB-50	SU and WB-50	SU and WB-50	SU and WB-50	SU and WB-50	SU and WB-50	SU and WB-50
Sidewalks (5)	Yes (Min 11.5 ft with Easement)	Yes (Min 11.5 ft with Easement)	Yes (Min 11.5 ft with Easement)	Yes (Min 11.5 ft No Easement)	Yes (Min 11.5 ft No Easement)	Yes (Min 11.5 ft No Easement)	Yes (Min 11.5 ft with Easement)	Yes (Min 11.5 ft No Easement)	Yes (Min 8.5 ft with Easement)
Bikeways (3) (7)	Yes 5 Ft	Yes 5 ft	Yes 4 Ft	Yes 4 Ft	Yes 5 Ft	Yes 4 FT	Yes 5 FT	Yes 5 Ft	Yes - 3 ft undesignated bike lane

(1) A transitional zone of at least one block should be included where appropriate.

(2) Alternatives to thermoplastic only as approved by the Broward County Traffic Engineering Division.

(3) Further explanation in provisions of Section 5-195(b) of the Broward County Land Development Code.

(4) "Special treatment" may include non-standard pavement markings, signage, and/or signalization.

(5) "No easement" indicates that the Trafficway corridor width is sufficient for the sidewalk to fit within the dedicated Trafficways right-of-way. Additional easements should not be necessary.

"With easement" indicates that a portion of the sidewalk width may require the conveyance of an easement, beyond the Trafficways dedication.

(6) Default condition will be no turn lane. Staff will need to justify requiring such turn lanes on a case-by-case basis.

(7) The combined width of an on-street parking lane and adjacent bike lane should be a minimum of 13 feet.

(8) Not all of the optional criteria may fit within the right-of-way.

(9) A Trafficway with an irregular right-of-way width, approved by the Planning Council as a "Context Sensitive Corridor", shall utilize a sub-designation in which the irregular right-of-way width is within the range of that sub-designation (i.e. 100' to 120' for Urban Core and 80' to 106' for Urban Main Street).