

STATE OF GEORGIA

FULTON COUNTY

July 6, 2009

RESOLUTION TO AMEND THE STANDARD CONSTRUCTION SPECIFICATIONS

WHEREAS, the City of Roswell is a Georgia Municipal Corporation; and

WHEREAS, the City of Roswell desires to update its Code of Ordinances regarding Standard Construction Specifications; and,

WHEREAS, the Code of Ordinances of the City of Roswell will be available to the public and other persons through electronic media; and,

WHEREAS, Chapter 7, *Land Development and Environmental Protection, Article 7.1, Standard Construction Specifications*, of the Code of Ordinances of the City of Roswell authorizes Mayor and Council to amend such specifications by Resolution:

NOW, THEREFORE BE IT RESOLVED by the Mayor and Council of the City of Roswell, Georgia, and it is hereby resolved by authority of same, that the *Standard Construction Specifications* are hereby amended by amending the following Chapter 2, Streets Regulations as included herein by reference and attached as exhibit "A".

IT IS FURTHER RESOLVED that the change shall take effect and be in force from and after the date of its adoption the public welfare demanding it.

The above resolution was read and approved by the Mayor and Council of the City of Roswell, Georgia, on the 6th day of July, 2009.

Attest:

Jere Wood, Mayor

Sue H. Creel
Sue H. Creel, City Clerk
(Seal)

Jerry Orleans
Councilmember Jerry Orleans

Kent Igleheart
Councilmember Kent Igleheart

David A. Tolleson
Councilmember David Tolleson

Rebecca Wynn
Councilmember Rebecca Wynn

Richard Dippolito
Councilmember Richard Dippolito

Lori Henry
Councilmember Lori Henry

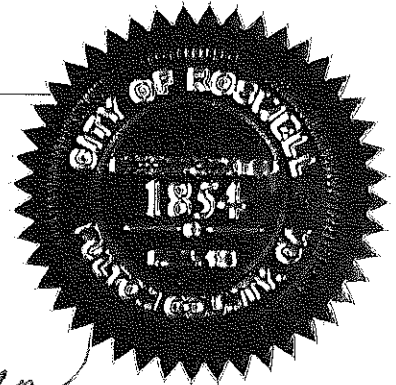


Exhibit "A"

Amend 2.1.1 General: add the following underlined words as follows:

2.1.1 General

- All projects in overlay districts shall conform to the approved overlay design guidelines for the respective area.

Amend 2.1.3 Paving and Curbs, Subsection A. Street Paving Widths: strike words and add the following underlined words where indicated in order to more clearly define lane widths from the edge of pavement instead of back of curb and replace Table 2.2 as follows:

A. Street Paving Widths

- Street paving widths measured from the edge of pavement to edge of pavement for major thoroughfares shall prevail as specified in the major thoroughfare plan. Other street widths shall be planned as the sum of the widths of the ultimate lanes for moving traffic, parking, bicycles, and median width where appropriate. Lane widths shall be as shown in Table 2.2 ~~other street paving widths, as shown below and including a major thoroughfare with a 100 foot right-of-way shall be no less than as follows: Measured from back of curb to back of curb.~~

Table 2.2 – Paving Widths

Functional Classification	Minimum Lane Widths	Standard Lane Widths
Principal Arterial	11 feet	12 feet
Minor Arterial	10 feet	12 feet
Collector	10 feet	12 feet
Local	10 feet	12 feet

Amend 2.1.4 Grade and Alignment, Subsection A. Grades: replace Table 2.3 with the following:

Functional Classification	Speed Design	Maximum Grade
Arterial	> 50 mph	6%
	45 - 50 mph	7%
Collector	< 45 mph	8%
	> 45 mph	8%
	45 mph	9%
	35 - 40 mph	10%
	30 mph	11%
Local	< 30 mph	12%
		14%

Amend 2.1.4 Grade and Alignment, Subsection B. Superelevation: Strike Table 2.4 and Table 2.5 and add the following:

B. Superelevation

- Streets in the City of Roswell that utilize superelevation shall be designed with a rate of no greater than 4%. Exceptions to this along existing infrastructure must meet AASHTO superelevation standards and be approved by the Director of Transportation.

Amend 2.1.4 Grade and Alignment, Subsection C. Vertical Alignment: Add a new Table 2.4 as follows:

Table 2.4 – Vertical Curve K Values

Design Speed (mph)	K - Crest Curves	K - Sag Curves
15	3	10
20	7	17
25	12	26
30	19	37
35	29	49
40	44	64
45	61	79
50	84	96
55	114	115
60	151	136
65	193	157

Amend 2.1.4 Grade and Alignment, Subsection D. Horizontal Alignment (radii of center line curvature): Replace existing Table 2.6 with a Table 2.5 as follows:

Table 2.5 – Horizontal Radii

Design Speed (mph)	Minimum Horizontal Radii for 4%* Superelevation
15	42
20	86
25	154
30	250
35	371
40	533
45	711
50	926
55	1190
60	1500

* See AASHTO Green Book for additional guidance

Amend 2.1.4 Grade and Alignment, Subsection E. Tangents: Strike Table 2.7 and replace the existing text with the following words in order to provide with more flexibility in design as follows:

E. Tangents

- Minimum tangent lengths should be included between horizontal curves in order to provide sufficient superelevation runoff length per AASHTO. Any exceptions from this must be approved by the Director of Transportation

Amend 2.1.5 Visibility Requirements: Strike all tables and text and add the following words in order to provide a more detailed analysis that matches the industry standard:

2.1.5 Visibility Requirements

- Refer to the sight distance sections of the AASHTO A Policy on Geometric Design of Highways and Streets, pages 654-678. These examples cover the range of turning behaviors and traffic control devices that may occur in the field.

Amend 2.1.6 Driveway Access, Subsection C. Non Residential Driveway Standards: Re-number Table 2.10 – Driveway Setbacks as Table 2.6 – Driveway Setbacks.

Amend 2.2.1 Street Construction, Subsection C. Paving: Re-number Table 2.11 – Pavement Thickness as Table 2.7 – Pavement Thickness.

Amend 2.2.2 Materials and Testing, Subsection C. Curb and Gutter: Re-number Table 2.12 – Intersection Radii as Table 2.8 – Intersection Radii.