

**APPENDIX B(1) – SUBDIVISION STREET DESIGN GUIDE (SSAR)  
(EFFECTIVE JULY 1, 2009)**

**SECTION B(1) – 1 – INTRODUCTION**

Introduction ..... B(1)-1

**SECTION B(1) – 2 – DESIGN REQUIREMENTS**

Projected Traffic/Capacity Analysis..... B(1)-2  
Functional Classification ..... B(1)-2  
Terrain ..... B(1)-4

**SECTION B(1) – 3 – ROADWAY GEOMETRIC DESIGN CRITERIA**

A. Collector and Arterial Roadways ..... B(1)-5  
B. Local Roadways..... B(1)-5  
C. Transitions and Turn Lanes..... B(1)-6  
D. Sight Distance ..... B(1)-19

**SECTION B(1) – 4 – ELEMENTS OF TYPICAL SECTION**

A. Pavement Design..... B(1)-21  
B. Pavement Width..... B(1)-21  
C. Parking Lane Widths (Curb and Gutter Only)..... B(1)-21  
D. Intersections..... B(1)-21  
E. Concentric Design..... B(1)-23  
F. Cul-de-sacs and Turnarounds..... B(1)-23  
G. Curb And Gutter Design..... B(1)-26  
H. Private Entrances..... B(1)-28  
I. Pedestrian And Bicycle Facilities ..... B(1)-31  
J. Bridge and Culvert Design Criteria..... B(1)-36  
K. Roadway Drainage..... B(1)-37  
L. Right-of-way ..... B(1)-39

**SECTION B(1) – 5 – OTHER DESIGN CONSIDERATIONS**

A. Clear Zone (i.e. Setback for non-breakaway fixed objects)..... B(1)-40  
B. Guardrail ..... B(1)-42  
C. Traffic Control..... B(1)-42  
D. Streetscape ..... B(1)-42  
E. Landscape Considerations..... B(1)-43  
F. Traffic Calming ..... B(1)-46  
G. Roundabouts..... B(1)-48  
H. Utilities ..... B(1)-50  
I. Roadway Lighting..... B(1)-52

**SECTION B(1) – 6 –TRADITIONAL NEIGHBORHOOD DESIGN ..... B(1)-54**

**SECTION B(1) – 7 – INNOVATIVE DESIGN PROPOSALS ..... B(1)-56**