# City of SeaTac Road Design and Construction Standards Template Revised 12-21-16

#### **Table of Contents**

#### **Table of Standard Drawings**

#### **Preface**

#### 1. Chapter 1 – General Considerations

- 1.1. Applicability
- 1.2. Severability
- 1.3. Definitions
- 1.4. Authority and Duties of Inspectors
- 1.5. Responsibility to Provide Roadway Improvements
- 1.6. General References
- 1.7. Design and Construction References
- 1.8. Other Specifications and Guidelines
- 1.9. Environmental Considerations
- 1.10. Engineering Plans and Final Plat Plans
- 1.11. Record Drawings
- 1.12. Deviation from Standards
- 1.13. Errors and Omissions
- 1.14. Penalties and Financial Guarantees
- 1.15. Changes to this Manual

## 2. Chapter 2 - Road Types and Geometrics

- 2.1. Road Classifications
- 2.2. Rural Roadways
- 2.3. Urban Roadways
- 2.4. Special Development Areas
- 2.5. Horizontal Curvature and Sight Distance Design Values
- 2.6. Short Plats
- 2.7. Private Streets
- 2.8. Half Streets
- 2.9. Cul-de-sacs and Hammerheads
- 2.10. Alleys and Private Access Tracts
- 2.11. Intersections and Low-Speed Curves
- 2.12. Roundabouts
- 2.13. Maximum Grade and Grade Transitions
- 2.14. Stopping Sight Distance
- 2.15. Entering Sight Distance
- 2.16. Roadside Obstacles
- 2.17. Medians
- 2.18. One-Way Streets
- 2.19. Bus Zones and Turn-Outs
- 2.20. Slope, Wall, and Drainage Easements and Right-of-Way Reduction

- 2.21. Access and Circulation Requirements
- 2.22. Exception for Maximum Dwelling Units on Urban Sub-collectors

#### 3. Chapter 3 - Driveways, Sidewalks, and Non-motorized Facilities

- 3.1. Driveways
- 3.2. Concrete Sidewalks
- 3.3. Construction of Curbs, Gutters, and Sidewalks
- 3.4. Expansion and Contraction Joints
- 3.5. Curb Ramps
- 3.6. Concrete Steps, Metal Handrail and Barrier-Free Access Ramps
- 3.7. Roadway Shoulders
- 3.8. Separated Pedestrian Walkways and Trails
- 3.9. School Access
- 3.10. Bikeways
- 3.11. Equestrian Facilities

### 4. Chapter 4 - Surfacing

- 4.1. Surfacing Requirements
- 4.2. Restoration
- 4.3. Channelization

#### 5. Chapter 5 - Roadside Features

- 5.1. Rock Facings
- 5.2. Side Slopes
- 5.3. Street Trees, Landscaping and Hardscaping
- 5.4. Mail Boxes
- 5.5. Street Illumination
- 5.6. Traffic Control Devices
- 5.7. Traffic Calming
- 5.8. Survey Monuments
- 5.9. Roadway Barricades
- 5.10. Fences, Gates and Bollards
- 5.11. Signs
- 5.12. Guardrail/Embankment Heights
- 5.13. Roadside Obstacles

#### 6. Chapter 6 - Bridges, Special Culverts, and Structural Walls

- 6.1. Bridge Design References
- 6.2. Bridge Geometrics
- 6.3. Bridge Design Criteria
- 6.4. Special Culverts
- 6.5. Structural Walls

# 7. Chapter 7 - Drainage

- 7.1. General
- 7.2. Road Ditches
- 7.3. Storm Sewers and Culverts
- 7.4. Catch Basin Locations and Junctions
- 7.5. Frames, Grates, and Covers
- 7.6. Erosion Control
- 7.7. Trenches
- 7.8. Water Quality and Stormwater Control Facilities

#### 8. Chapter 8 – Utilities and Other ROW Uses

- 8.1. Franchising Policy and Permit Procedure
- 8.2. Standard Utility Locations within the Right-of-Way
- 8.3. Underground Installations
- 8.4. Notification and Inspection
- 8.5. Final Adjustment (to Finish Grade)
- 8.6. Final Cleanup, Restoration of Surface Drainage and Erosion/Sediment Control

## 9. Chapter 9 – Construction Control and Inspection

- 9.1. Basis for Control of Work
- 9.2. Inspection
- 9.3. Penalties for Failure to Notify and Obtain Approval
- 9.4. Control of Materials
- 9.5. Construction Control in Developments
- 9.6. Subgrade
- 9.7. Traffic Control in Development Construction
- 9.8. City Forces and City Contract Road Inspection
- 9.9. Call Before You Dig