

City of Davenport, IA General Supplement to 2023 SUDAS Design Manual



Effective February 23, 2023

Please note that this General Supplement does NOT contain all references necessary for the design of capital infrastructure within the City of Davenport. Designers shall also refer to City Ordinances, manuals, processes and permitting requirements.

This General Supplement to SUDAS Design Manual amends or supplements the Statewide Urban Design and Standards (SUDAS). All provisions which are not so amended or supplemented remain in full force and effect.

1. Chapter 1: General Provisions

1C – Submittal Procedures

All information collected by the designer and/or surveyor for City improvement projects shall become property of the City of Davenport and are subject to open records requests.

2. Chapter 2: Stormwater

No Supplements

3. Chapter 3: Sanitary Sewers

No Supplements

4. Chapter 4: Water Mains

No Supplements

5. Chapter 5: Roadway Design

5A – General

Refer to City Ordinance 16.24.040 for jurisdiction specific information related to pavement and associated right of way width requirements.

For new construction, 6” standard curb is required. For reconstruction, 6” standard curb is preferred.

5C – Geometric Design Criteria

Section 5C-2 Geometric Design Elements

N. Parking Lane – DELETE N. 1. And ADD “Parking Lanes on Arterial Streets shall be considered in accordance with Table 5C-1.01 (Preferred Roadway Elements) and Table 5C-1.02 (Acceptable Roadway Elements). Parking Lanes along Arterial roadways will be considered on a project by project basis, and may require a design exception be submitted for approval.”

5G – PCC Pavement Joints

Section 5G-2 Types of Joints

Longitudinal third point jointing is not acceptable to the City of Davenport.

5F – Pavement Thickness Design

Section 5F-1 Pavement Thickness Design

Pavement thickness will be determined for each Collector and Arterial pavement design assuming a California Bearing Ratio (CBR) of 3, unless appropriate testing information is submitted. Minimum pavement sections for other pavement applications is as follows:

	Portland Cement Concrete (PCC)		Hot Mix Asphalt (HMA)	
	Pavement Thickness	Subbase Thickness	Pavement Thickness	Subbase Thickness
Major Arterial	10"	6"	13.5"	10"
Minor Arterial	9"	6"	13.5"	6"
Major Collector	10"	6"	13.5"	10"
Minor Collector	8"	6"	13.5"	6"
Local Road (Residential)	7"	6"	8.5"	8"
Local Road (Commercial/Industrial)	9"	6"	13.5"	6"
Alley	7"	6"	8.5"	8"
Trail	6"	6"	7.5"	6"

6. Chapter 6: Geotechnical

No Supplements

7. Chapter 7: Erosion and Sediment Control

No Supplements

8. Chapter 8: Parking Lots

No Supplements

9. Chapter 9: Utilities

No Supplements

10. Chapter 10: Street Tree Criteria

10A – General Information

Section 10A-1 General Information

Consult with City Arborist prior to final selection of species.

11. Chapter 11: Street Lighting

11A – General Information

Section 11A-1 – General Information

Review design and construction related requirements in City of Davenport Supplemental Specification 7035.

12. Chapter 12: Sidewalks and Bicycle Facilities

12A – Sidewalks

Section 12A-1 - General Sidewalk Requirements

Review design and construction related requirements in City of Davenport Supplemental Specification 7035.

13. Chapter 13: Traffic Control

No Supplements

14. Chapter 14: Trenchless Construction

No Supplements