2020 Contractor Meeting
Cedar Rapids Supplement to SUDAS
2020 Revisions

Brenna Fall: CIP Engineering Program Manager

February 19, 2020 & February 21, 2020
Cedar Rapids Supplement to SUDAS


- Design Manual Supplement
- Specifications Supplement
SUDAS – 2020 Revisions

• PCC Pavement Standard Joint Spacing revised to match Iowa DOT new maximums:
  • 12’ Longitudinal
  • 17’ Transverse

• Updated Lighting section to reflect use of LED Street Lighting

• Added new sections for Work Zone Traffic Control
SUDAS – 2020 Revisions

- Replaced Chapters 4, 5, and 6 in the Specifications to update the “includes” items to create consistency among underground utility items
- Revisions related to Iowa DOT Specifications and I.M.s/MAPLE
• Chapter 2 – All City owned storm sewer pipe shall be concrete, including pipe that will be dedicated to the City following project completion.
• Chapter 2 – On City projects, subdrain may be required on both sides of the street.
• Chapter 4 – Developers (and/or their contractors) are responsible for the repair of any piping system that fails when a tap is made.
2020 Revisions – Design Manual

- Chapter 4 – The City has adopted the 2018 International Fire Code.
- Chapter 4 – Use of PVC pipe up to 12 inch diameter is allowed in new residential and commercial development. Ductile iron pipe will still be specified on City projects.
- Chapter 7 – Additional reference to State and Local requirements for restoration of agricultural lands after pipeline construction.
2020 Revisions – Design Manual

• Chapter 12 – Added a table for minimum sidewalk widths and specified that sidewalks 6’ wide or greater shall be a minimum of 5” thick PCC.
2020 Revisions – Specifications

• Chapter 3 – Carrier Pipe for Water Main: specifications modified for Solid Wall PVC and HDPE.
• Chapter 4 – Added reference to Chapter 3 requirements for carrier pipe.
• Chapter 4 – Remove all of Section 4050 – Pipe Rehabilitation
2020 Revisions – Specifications

• Chapter 5 – Revisions made to CR Sections 5010, 5020, and 5910 to update for pipe materials allowed per Chapter 4 updates in the Design Manual
2020 Revisions – Specifications

• Chapter 7 – Deleted Figures CR 7010.103 and CR 7020.201. SUDAS Figures apply.

• Chapter 7 – Section 7030
  • Revised Figure CR 7030.101 to include Drop Curb Height for Commercial/Industrial Driveways of 1 ½” to 3” to match SUDAS dimension.
  • Specified that detectable warning panels shall be red in color.
  • Specified that grinding/sawing existing curbs for sidewalks and shared use paths is not allowed.
2020 Revisions – Specifications

• Chapter 8 – Section CR-8940: Added clarification on material for reflective signs.
• Chapter 8 – Added a new Section CR-8950 for Rectangular Rapid Flashing Beacon Systems (RRFB)
Questions or Suggestions

Send an email to:
SUDAS@cedar-rapids.org