SUDAS and Iowa Public Works Service Bureau Updates

2022 Municipal Streets Seminar
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Water and Sewer Separation

- New DNR requirements
  - Effective last March 16th
  - Updated to reflect differences between requirements for separation of water mains with sanitary sewers as opposed to storm sewers when 10' separation can’t be achieved
  - Added use of gasketed RCP meeting ASTM C 443 for storm sewers

Section 7010 – PCC Pavement

2.01 MATERIALS

A. Cement: Added Type 1T to replace Type I/II cement

H. Bars: Comply with Iowa DOT Section 4151 for metallic tie bars and dowel bars or Iowa DOT Section 4156 for glass fiber reinforced polymer dowel bars. Meet the tie bars requirements for bar mats. All metallic bars must be epoxy coated.
Section 7010 – PCC Pavement (con’t)

3.01 EQUIPMENT
C. Concrete Placement Equipment:
  2. Vibrators for Machine Paving:
      h. Mount the longitudinal axis of the vibrator body approximately parallel to the direction of paving. Tilt the trailing end of each vibrator downward to an approximate slope of 15° to 30° degrees below horizontal.

Section 7011 – PCC Overlays

3.02 CONSTRUCTION
J. Saw Joints
  1. General: Submit a plan for the Engineer’s approval, which includes the following items.
     a. Method(s) for assuring adequate sawcut depth in areas of variable concrete overlay thickness.
     b. Anticipated production rate of concrete overlay placement.
     c. Estimated number of saws necessary to prevent random cracking.
     d. Appropriate corrective actions should random cracking occur.
     e. Seal all joints unless directed otherwise.

Other Approved Items
- Deleted 1” fiberboard at ties on asphalt RR approach paving
- Added composite castings as an alternative
- Added CarbonCure type admixtures
- Added curing compound as a bond breaker for PCC overlay of concrete patches

October District Meetings

[Map showing district meetings]
Complete Streets Study

- Iowa DOT initiative
  - Establish a complete streets policy for the DOT
  - Be as consistent as possible with SUDAS except for some tiered elements
- Take into account all users
  - Vehicle, pedestrian, bicyclists, etc.
- Review and update SUDAS Design Sections
  - Chapters 5, 12, and 13

Complete Streets Study (con’t)

- Major focal point: Chapter 5 – Roadway Design
  - Expand discussion of design speed using new FHWA guidance
  - Add information about prioritizing safety over LOS
  - Add discussion about narrow lanes and when they are appropriate
  - Expand traffic calming information

Erosion and Sediment Control

- Worked with ISWEP Committee to review
- Updating Design Manual Chapter 7 to reflect current practices/terminology
- Added new sections dealing with stockpile management and the benefits of preserving vegetation and buffers
- Will follow-up with associated updates to the Specifications Manual

Section 8040 - Traffic Signs

- New Section
  - For project work or just sign installations
  - Follows MUTCD
  - Materials specs from Iowa DOT
    - Diamond Grade vs. High Intensity
  - Certified Traffic Technician required
Other October Items

- Seeding changes to match DOT
- MIT scan alternative for PCC thickness
- DBR diameter – set smaller diameter for thinner pavements
- Numerous clarifications in bid item elements
  – Attributes: thickness, size, layer, etc.
  – “Includes” information

Becoming a member is EASY!

- Step 1 – Create an Account
  ✓ Email
  ✓ Password
  ✓ Name
- Step 2 – Additional Contact Info
  ✓ Name
  ✓ Title
  ✓ Organization
  ✓ Contact Info
Revised menu - new “reports” menu (no longer under “cities”)

Reports

• Financial
  – Capacity Improvements, Engineering and Professional Services, Principal and Interest, Road Use Spending, Snow Removal, Street Cleaning, Street Lighting, Street Maintenance, Street Preservation
• Street
  – Pavement Miles by Condition (Average and Total), Surface Breakdown
• Iowa DOT Reports (links)
• Bridge Condition Report
• Bid Tabulation Report (newest!)

Thank you to the Iowa DOT and the Iowa Pavement Management Program for providing data to generate these reports!
New Forum Discussions
- Consultant Selection and CMAR Law
- Sidewalk Inspections
- Landfill Remediation
- Lead Service Line Inventory
- Electronic Bidding Software
- Staffing Levels/Org Charts
- Equipment Replacement Trade-in vs. Online Auction
- Private Utility Relocations for Capital Improvement Projects
- Entry-Level Driver Training Regulations

How do I find out about forum posts?
Option 1: upper right when open a topic
Option 2: when replying or starting new discussion
Option 3: email to all registered users

City Supplementals
- City Supplementals to the SUDAS Specifications
  - Added on PWSB site (under “cities”) to allow for cities to upload link themselves
  - Link to this page on SUDAS website – bottom of Supplemental Specs page
Resources

Frequently updated
Post your openings

Help us Help YOU!

1. Register as a member
2. Use our various features
3. Participate in the forums
4. Send us your suggestions
5. Utilize the job board
6. Follow us on social media
7. Spread the word!

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