

2009 Standard Specifications Manual Update

2009 Structural Design Construction Quality Workshop

2009.04.01

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Iowa Department
of Transportation

Sac County, Iowa the 7th best place to live in the USA
(2007 The Progressive Farmer)



Sac County, Iowa

- Wind Generators
- Corn and Soybean fields
- Cattle and Hogs
- Combines
- Rustic farm homes
- Big barns
- Country fresh air
- Smiling faces

What are we going to hear about?

- Iowa DOT Standard Specification rewrite
 - Overview
 - Format
 - Supplemental Specifications & Developmental Specifications incorporated into new book
 - Status
 - Tools & Training
- SUDAS update
- A look into the future
- How can we help you?
- Questions

Status of Specification Manual Rewrite

- Final review & editing (currently)
- Specification Committee approval
 - (April-May)
- Electronic version available (~June)
- Distribution of new manual (~July)
- October ERL available (~Sept 15th)
- Effective Date (October 21, 2009 letting)

Overview of new Specification format

- Imperative Mood – Active Voice - 5 part format
 - 5 Part Format
 - ❖ Description-Materials-Construction-MOM-BOP
 - List orientated (outline format) - Easier to find information
 - **Easier to understand**
 - ❖ **Contractor**
 - Action begins each command
 - “Provide survey necessary for construction....”
 - ❖ **Contracting Authority**
 - “The Engineer will provide construction stakes.”
- Format: size 215 mm x 280 mm page size - hardbound cover

Supplemental Specifications Incorporated into New Book

Number	Title	Location in new book
SS-01012	Furnish & Apply Gran Shld Material	Section 2128
SS-01021	Modular Glare Screen	Incorporate into Section 2528
SS-01024	Pre-splitting & Prod Blasting of Rock Slope Cuts	Section 2103 (Renumber 2103 as 2120)
SS-01025	Cleaning, Surface Prep, & Painting of Galv Surfaces	Section 2509 (Renumber 2509 as 2552)
SS-01032	Concrete Drilled Shaft	Section 2433
SS-01045	Recycled Asphalt Pavement	Incorporate into Section 2303
SS-01048	High Tension Cable Guardrail	Incorporate into Section 2505
SS-01051	Pre-Engineered Steel Truss Rec Trail Br	Section 2429
SS-01052	Modular Block Retaining Wall	Section 2430
SS-01053	Segmental Retaining Wall	Section 2431
SS-01056	Milled Shld Rumble Strips - HMA or PCC	Section 2548
SS-01059	QCP for Small HMA Paving Quantities	Incorporate into Section 2303

Developmental Specifications Incorporated into New Book

Number	Title	Location in new book
DS-01013	High Perf Conc for Prestressed Conc Beams	Incorporate into Section 2407
DS-01023	Full Depth Reclamation	Section 2116
DS-01057	Trenchless Construction	Section 2554
DS-01063	Disc Bearing Assembly	Section 2434
DS-01064	Barrier Intakes	May move into Section 2503.
DS-01072	Portable Changeable Message Signs	Incorporate into Section 2528
DS-01076	CIP Recycled Asphalt Pavt	Replaces Section 2318
DS-01079	Wick Drains	Section 2112
DS-01083	Fabric Formed Conc Structure Revetment	Section 2550
DS-01096	Water Main (SUDAS)	Section 2555
DS-01097	Sanitary Sewer (SUDAS)	Section 2504
DS-01098	Storm Sewer (SUDAS)	Section 2503
DS-01099	Lane Rental (Hourly) (A+B Bidding with I/D)	Incorporate into Section 1111
DS-01105	Mech Stabilized Earth Ret Wall (MSE)	Section 2432
DS-01109	Erosion Control	Incorporate into Section 2601
DS-01116	Night Work Lighting	Incorporate into Section 2528
DS-01121	A + B Bidding	Incorporate into Section 1111
DS-01122	Hot Asphalt Mixtures	Section 2303

Tools & Training

- Style Guide online (good training tool)
- DRAFT electronic copies on 'W' drive
- DRAFT copies on website
 - www.iowadot.gov/specifications (under construction)
- Communication
 - Industry meetings
 - District meetings
 - Design engineers and consultant meetings

SUDAS Update

- SUDAS revisions
- DS-01096 Water Main
 - ❖ (new for DOT)
- DS-01097 Sanitary Sewer
 - ❖ (replaces Section 2504)
- DS-01098 Storm Sewer
 - ❖ (replaces Section 2503)

Where will SUDAS be in the Iowa DOT Specification Manual?

Iowa DOT Spec Section	SUDAS Spec Section(s)	Work Item
2435	6010 / 6030	Storm & Sanitary Sewer Structures
2503	4020	Storm Sewers
2504	4010 / 4060	Sanitary Sewers & Testing
2549	4050 / 6020	Pipe & Manhole Rehabilitation
2553	3010	Trench Excavation & Backfill
2554	3020	Trenchless Construction
2555	5010 / 5020 / 5030	Water Main, Appurtenances, Testing
4147	4050 / 6020 Matls	Products for Pipe & Manhole Rehabilitation
4149	Div 4 and 6 Matls	Products for Sewers & Sewer Structures
4150	Div 5 Matls	Products for Water Mains

A Look into the Future

- Content Management System
 - Single location for specification manual updates
 - Readily available historical searches
 - Nearly instant ability to print GSS or book
- Additional formats
 - DVD
 - PDA
 - Flash card
 - Downloadable (.zip) files
- Timing of future releases of Specification Manual
- SUDAS specifications & interaction

How can we help you?

- Enhancements to the ERL?
- Specification revisions?
 - Format, communications, etc.
- Downloadable specifications?
- Etc.

Questions

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