



# Illinois Department of Transportation

## Memorandum

To: \*

From: David Broviak *D.B.*

Subject: Special Provision Changes

Date: October 4, 2024

The following special provisions have been revised for the **January 17, 2025** and **March 7, 2025** lettings: Attached is the updated BDE Checklist for this letting.

### Recurring Special Provisions

Adopted January 1, 2025

### Interim Special Provisions (BDE)

ISP Number	Description
Alphabetic ISP Index (Revised)	Remove existing alphabetic index and insert revised index.
Numerical ISP Index (Revised)	Remove existing numeric index and insert revised index.
107.01 (Revised)	<b>"Construction Air Quality – Diesel Retrofit (BDE)"</b> Revised to update the weblink for the EPA verified technologies list and to eliminate the effective dates for retrofitting as they have all passed. This special does <u>not</u> pertain to any counties in District 4.
302.02 (Deleted)	<b>"Cement, Type IL"</b> Deleted Special Provision.
637.12 (New)	<b>"Concrete Barrier (BDE)"</b> New Special Provision to update the maximum variation allowed in Concrete Barrier, Double Face before Concrete Barrier, and Variable Cross-Section used. This special provision should be inserted into contracts with CONCRETE BARRIER.
701.03 (Revised)	<b>"Work Zone Traffic Control Devices (BDE)"</b> Revised to eliminate the sunset date for Category 1 and Category 2 work zone devices, requiring them to be MASH compliant. This special provision should be inserted into all contracts.
720.02 (New)	<b>"Sign Panels and Appurtenances (BDE)"</b> New Special Provision updates the standards for steel support channels on permanent signs. This special provision should be inserted into contracts with SIGN PANELS.

MEMO – Special Provision Manual Changes  
 Page Two  
 October 4, 2024

<b>Interim Special Provisions (BDE) (continued)</b>	
ISP Number	Description
1001.01 (New)	<b>“Cement, Finely Divided Minerals, Admixtures, Concrete, and Mortar (BDE)”</b> New Special Provision to transition concrete admixtures to AASHTO Product Eval and Audit testing and increase retesting intervals for repair material. This special provision should be inserted into all contracts.
1030.07 (Revised)	<b>“Hot Mix Asphalt (BDE)”</b> Revised to address the updated requirements for maintaining active certification in the IDOT QAQuality Management Training Program, adding the technician trainee role to personnel, and to fix a table reference. This special provision should be inserted into all HMA paving contracts.
1103.03 (Deleted)	<b>“Portland Cement Concrete (BDE)”</b> Deleted Special Provision.

**District Special Provisions**

593.00 (Revised)	<b>“Slope Wall Slurry Pumping”</b> Revised Controlled Low Strength Material (CLCM) to Culvert Liner Mix and design mix from 84PCCLSM3 to 84PCC9994.
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**General Notes**

No changes.
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**2025 Supplemental Specifications and Recurring Special Provisions**

542.03	“Corrugated Plastic Pipe (Culvert and Storm Sewer)”
632.00	“High Tension Cable Median Barrier Removal”
406.00f	“Material Transfer Device”
701.13	“Traffic Spotters”

DB:tdp:s:\MGR2\WINWORD\Special Provisions\PL\_Completed SP\Special Provisions Memo Changes.docx

Attachment(s)

cc: \* S&P Engineer    Team 3    Team 7    Team 11                    Local Roads (T. Sassine)  
                                  T. Phillips    Team 4    Team8    Team 12                    Operations (M. Eckhoff)  
                                  Team 1        Team 5    Team 9    Geometrics (R. Julich)    Materials (D. Parish)  
                                  Team 2        Team 6    Team 10    Bridges                    Hydraulics (J. Jochums)  
                                  L. Hayworth

# **BDE Special Provisions Checklist**

**January 17, 2025 & March 7, 2025 Lettings**

**BDE SPECIAL PROVISIONS**  
For the January 17 and March 7, 2025 Lettings

The following special provisions indicated by a "check mark" are applicable to this contract and will be included by the Project Coordination and Implementation Section of the Bureau of Design & Environment (BDE).

File Name #		Special Provision Title	Effective	Revised
80099	1	<input type="checkbox"/> Accessible Pedestrian Signals (APS)	April 1, 2003	Jan. 1, 2022
80274	2	<input type="checkbox"/> Aggregate Subgrade Improvement	April 1, 2012	April 1, 2022
80192	3	<input type="checkbox"/> Automated Flagger Assistance Devices	Jan. 1, 2008	April 1, 2023
80173	4	<input type="checkbox"/> Bituminous Materials Cost Adjustments	Nov. 2, 2006	Aug. 1, 2017
80426	5	<input type="checkbox"/> Bituminous Surface Treatment with Fog Seal	Jan. 1, 2020	Jan. 1, 2022
* 80241	6	<input type="checkbox"/> Bridge Demolition Debris	July 1, 2009	
* 50531	7	<input type="checkbox"/> Building Removal	Sept. 1, 1990	Aug. 1, 2022
* 50261	8	<input type="checkbox"/> Building Removal with Asbestos Abatement	Sept. 1, 1990	Aug. 1, 2022
80460	9	<input checked="" type="checkbox"/> Cement, Finely Divided Minerals, Admixtures, Concrete, and Mortar	Jan. 1, 2025	
80384	10	<input checked="" type="checkbox"/> Compensable Delay Costs	June 2, 2017	April 1, 2019
* 80198	11	<input type="checkbox"/> Completion Date (via calendar days)	April 1, 2008	
* 80199	12	<input type="checkbox"/> Completion Date (via calendar days) Plus Working Days	April 1, 2008	
80461	13	<input type="checkbox"/> Concrete Barrier	Jan. 1, 2025	
80453	14	<input type="checkbox"/> Concrete Sealer	Nov. 1, 2023	
80261	15	<input type="checkbox"/> Construction Air Quality – Diesel Retrofit	June 1, 2010	Jan. 1, 2025
* 80029	16	<input checked="" type="checkbox"/> Disadvantaged Business Enterprise Participation (TBD)	Sept. 1, 2000	Mar. 2, 2019
80229	17	<input type="checkbox"/> Fuel Cost Adjustment	April 1, 2009	Aug. 1, 2017
80452	18	<input type="checkbox"/> Full Lane Sealant Waterproofing System	Nov. 1, 2023	
80447	19	<input type="checkbox"/> Grading and Shaping Ditches	Jan. 1, 2023	
80433	20	<input type="checkbox"/> Green Preformed Thermoplastic Pavement Markings	Jan. 1, 2021	Jan. 1, 2022
80456	21	<input type="checkbox"/> Hot-Mix Asphalt	Jan. 1, 2024	Jan. 1, 2025
80446	22	<input type="checkbox"/> Hot-Mix Asphalt - Longitudinal Joint Sealant	Nov. 1, 2022	Aug. 1, 2023
80438	23	<input type="checkbox"/> Illinois Works Apprenticeship Initiative – State Funded Contracts	June 2, 2021	April 2, 2024
80450	24	<input type="checkbox"/> Mechanically Stabilized Earth Retaining Walls	Aug. 1, 2023	
80441	25	<input type="checkbox"/> Performance Graded Asphalt Binder	Jan. 1, 2023	
80459	26	<input type="checkbox"/> Preformed Plastic Pavement Marking	June 2, 2024	
* 34261	27	<input type="checkbox"/> Railroad Protective Liability Insurance	Dec. 1, 1986	Jan. 1, 2022
80455	28	<input checked="" type="checkbox"/> Removal and Disposal of Regulated Substances	Jan. 1, 2024	April 1, 2024
80445	29	<input type="checkbox"/> Seeding	Nov. 1, 2022	
80457	30	<input type="checkbox"/> Short Term and Temporary Pavement Markings	April 1, 2024	April 2, 2024
80462	31	<input type="checkbox"/> Sign Panels and Appurtenances	Jan. 1, 2025	
80448	32	<input type="checkbox"/> Source of Supply and Quality Requirements	Jan. 2, 2023	
80340	33	<input type="checkbox"/> Speed Display Trailer	April 2, 2014	Jan. 1, 2022
80127	34	<input type="checkbox"/> Steel Cost Adjustment	April 2, 2004	Jan. 1, 2022
80397	35	<input checked="" type="checkbox"/> Subcontractor and DBE Payment Reporting	April 2, 2018	
80391	36	<input checked="" type="checkbox"/> Subcontractor Mobilization Payments	Nov. 2, 2017	April 1, 2019
80437	37	<input checked="" type="checkbox"/> Submission of Payroll Records	April 1, 2021	Nov. 2, 2023
80435	38	<input type="checkbox"/> Surface Testing of Pavements – IRI	Jan. 1, 2021	Jan. 1, 2023
* 20338	39	<input type="checkbox"/> Training Special Provisions	Oct. 15, 1975	Sept. 2, 2021
80429	40	<input type="checkbox"/> Ultra-Thin Bonded Wearing Course	April 1, 2020	Jan. 1, 2022
80439	41	<input type="checkbox"/> Vehicle and Equipment Warning Lights	Nov. 1, 2021	Nov. 1, 2022
80458	42	<input type="checkbox"/> Waterproofing Membrane System	Aug. 1, 2024	
80302	43	<input type="checkbox"/> Weekly DBE Trucking Reports	June 2, 2012	Nov. 1, 2021
80454	44	<input type="checkbox"/> Wood Sign Support	Nov. 1, 2023	
80427	45	<input checked="" type="checkbox"/> Work Zone Traffic Control Devices	Mar. 2, 2020	Jan. 1, 2025
* 80071	46	<input type="checkbox"/> Working Days	Jan. 1, 2002	

Highlighted items indicate a new or revised special provision for the letting.

An \* indicates the special provision requires additional information from the designer, which needs to be submitted separately. The Project Coordination and Implementation Section will then include the information in the applicable special provision.

The following special provisions have been deleted from use.

<u>File Name</u>	<u>Special Provision Title</u>	<u>Effective</u>	<u>Revised</u>
80449	Cement, Type II	Aug. 1, 2023	
80451	Portland Cement Concrete	Aug. 1, 2023	

The following special provisions are in the 2025 Supplemental Specifications and Recurring Special Provisions.

<u>File Name</u>	<u>Special Provision Title</u>	<u>New Location(s)</u>	<u>Effective</u>	<u>Revised</u>
80434	Corrugated Plastic Pipe (Culvert and Storm Sewer)	Articles 542.03, 550.03, 1040.03, 1040.04(b), 1040.04(d) & 1040.08	Jan. 1, 2021	
80443	High Tension Cable Median Barrier Removal	Section 632	April 1, 2022	
80045	Material Transfer Device	Articles 406.03, 406.06(f), 406.13(b), 406.14 & 1102.02	Nov 15, 1999	Jan. 1, 2022
80410	Traffic Spotters	Article 701.13	Jan. 1, 2019	

**First Page  
&  
Index for  
Supplemental Specifications  
and  
Recurring Special Provisions**

**Current Lettings**

**(January 17, 2025 & March 7, 2025 Lettings)**

**STATE OF ILLINOIS**

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**SPECIAL PROVISIONS**

The following Special Provisions supplement the "Standard Specifications for Road and Bridge Construction, adopted January 1, 2022 (revised January 1, 2025)", the latest edition of the "Manual on Uniform Traffic Control Devices for Streets and Highways", and the "Manual of Test Procedures for Materials" in effect on the date of invitation for bids, and the "Supplemental Specifications and Recurring Special Provisions" indicated on the Check Sheet included herein, and the "Recommended Standards for Water Works", (Ten State Standards), latest edition, which apply to and govern the construction of

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and in case of conflict with any part, or parts, of said Specifications, the said Special Provisions shall take precedence and shall govern.

**LOCATION OF PROJECT**

**DESCRIPTION OF PROJECT**

INDEX  
FOR  
SUPPLEMENTAL SPECIFICATIONS  
AND RECURRING SPECIAL PROVISIONS

Adopted January 1, 2025

This index contains a listing of SUPPLEMENTAL SPECIFICATIONS and frequently used RECURRING SPECIAL PROVISIONS.

ERRATA Standard Specifications for Road and Bridge Construction (Adopted 1-1-22) (Revised 1-1-25)

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RECURRING SPECIAL PROVISIONS

The following RECURRING SPECIAL PROVISIONS indicated by an "X" are applicable to this contract and are included by reference:

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**Special Provisions Generated Checklist  
Generated – 10/08/2024 1:49 P.M.**

**January 17, 2025 & March 7, 2025 Lettings**

**SPECIAL PROVISIONS CHECK LIST**  
**Generated - 10/8/24 1:49 P.M.**

Designer: \_\_\_\_\_ FAP: \_\_\_\_\_  
 Contract No.: \_\_\_\_\_ Section: \_\_\_\_\_  
 Letting(s): 1/17/2025 & 3/7/2025 County(ies): \_\_\_\_\_

√	Dir	File Name	Spec Title	Spec Dates
	BRG\	APSLRP-1.docx	Approach Slab Repair	E 3/13/97
	DES\	00000.docx	STATE OF ILLINOIS	E 1/1/22 R 1/1/24
	DES\	10500.docx	Construction Station Layout	E 7/30/10
	DES\	10501.docx	Construction Layout Responsibility	E 4/26/15 R 1/1/22
	DES\	10502.docx	Construction Layout Utilizing GPS Equipment	E 4/26/15 R 1/1/22
	DES\	10503.docx	Construction Layout Equipment	E 4/26/15 R 11/6/15
	DES\	10507.docx	Removal of Abandoned Underground Utilities	E 1/15/96 R 11/21/96
	DES\	10507a.docx	Status of Utilities/Utilities To Be Adjusted	E 1/21/05 R 1/1/22
	DES\	10507b.docx	Utilities - Locations/Information on Plans	E 11/8/13
	DES\	10712.docx	Requirements When Working with the Railroad	E 4/1/16 R 4/1/22
	DES\	10713a.docx	Protection of the Illinois River	E 8/1/22 R 10/1/22
	DES\	10713b.docx	Maintenance of Navigation	E 8/1/22 R 10/1/22
√	DES\	10731.docx	Location of Underground State Maintained Facilities	E 8/3/07 R 7/31/09
	DES\	10732.docx	Right-of-Way Restrictions	E 7/1/94
	DES\	10805a.docx	Date of Completion	E 3/1/90 R 4/25/08
	DES\	10805b.docx	Date of Completion (Plus Working Days)	E 3/1/90 R 8/3/18
	DES\	20500.docx	Geotechnical Reinforcement	E 6/10/93 R 1/1/07
	DES\	20504.docx	Embankment (Restrictions)	E 1/21/05 R 8/5/22
	DES\	25000.docx	Seeding, Minor Areas	E 7/1/90 R 4/1/19
	DES\	25006a.docx	Mowing	E 12/11/01 R 8/2/13
	DES\	25006b.docx	Mowing	E 12/11/01 R 8/2/13
	DES\	25300b.docx	Seedlings	E 5/5/00 R 8/1/19
	DES\	28100.docx	Grout for Use With Riprap	E 7/30/10
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	DES\	30103.docx	Subgrade Treatment	E 7/1/90 R 1/1/22
	DES\	30200.docx	Soil Modification	E 7/1/90 R 1/1/22
	DES\	31100.docx	Rock Fill	E 10/15/95 R 4/26/13
	DES\	35300.docx	Sawcutting of PCC Base Course and Base Course Widening	E 1/1/16
	DES\	35500d.docx	Temporary Pavement	E 10/1/95 R 4/24/20
	DES\	35600.docx	Temporary Base Course Widening ____"	E 4/26/13 R 4/24/20
	DES\	40600.docx	Clean Existing Pavement Edge Joint	E 1/3/00 R 4/24/20
	DES\	40604a.docx	Hot-Mix Asphalt Surface Course Surface Tests	E 11/1/03 R 1/1/07
	DES\	40607.docx	Hot-Mix Asphalt -Tack Coat (Special) Options	E 8/1/19 R 11/8/19
	DES\	40713.docx	Grooved-In V Rumble Strip	E 11/16/07 R 7/30/10

**SPECIAL PROVISIONS CHECK LIST**  
**Generated - 10/8/24 1:49 P.M.**

**Designer:** \_\_\_\_\_ **FAP:** \_\_\_\_\_  
**Contract No.:** \_\_\_\_\_ **Section:** \_\_\_\_\_  
**Letting(s):** 1/17/2025 & 3/7/2025 **County(ies):** \_\_\_\_\_

DES\	<u>42401.docx</u>	Sidewalk Drains	E 3/1/91 R 1/1/07
DES\	<u>42402.docx</u>	Temporary Sidewalks	E 3/1/91 R 2/1/96
DES\	<u>44000.docx</u>	Partial Depth Patching	E 4/26/13 R 11/6/20
DES\	<u>44002.docx</u>	Longitudinal Joint Repair	E 4/26/13 R 7/31/20
DES\	<u>44003.docx</u>	Protection of Frames and Lids of Utility Structures	E 3/6/91 R 1/1/07
DES\	<u>44003a.docx</u>	Hot-Mix Asphalt Surface Removal, *** (** mm)	E 3/1/93 R 1/1/22
DES\	<u>44003b.docx</u>	Hot-Mix Asphalt Surface Removal, *** (** mm)	E 2/5/93 R 1/1/22
DES\	<u>44003d.docx</u>	Pavement Drainage After Cold Milling	E 3/15/96 R 11/8/19
DES\	<u>44003e.docx</u>	Pavement Patching with Hot-Mix Asphalt Surface Removal	E 3/1/97 R 1/1/07
DES\	<u>44004.docx</u>	Hot-Mix Asphalt Joint Trimming	E 8/5/22
DES\	<u>48205.docx</u>	Hot-Mix Asphalt Shoulder Resurfacing Required to be Constructed Simultaneously with Mainline Paving	E 4/23/10 R 8/4/17
DES\	<u>48206.docx</u>	Hot-Mix Asphalt Shoulder Resurfacing Constructed Simultaneously with Mainline Paving	E 1/22/01 R 1/1/07
DES\	<u>50103.docx</u>	Concrete Headwall Removal	E 7/1/90
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DES\	<u>50301.docx</u>	Granular Backfill for Structures	E 8/4/17 R 11/6/20
DES\	<u>50302.docx</u>	Surface Filler (Special)	E 4/23/10 R 10/1/23
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DES\	<u>50312.docx</u>	Plug Existing Deck Drains	E 1/1/96 R 11/6/20
DES\	<u>50312a.docx</u>	Floor Drain Extension	E 3/22/01 R 11/6/20
DES\	<u>50319.docx</u>	Protective Coat, Special	E 4/23/10 R 12/19/23
DES\	<u>54200.docx</u>	Seepage Collar	E 12/1/96
DES\	<u>54201.docx</u>	Remove and Relay Pipe Culvert (Special)	E 7/1/90 R 11/6/20
DES\	<u>54202.docx</u>	Pipe Culverts (Jacked)	E 1/1/14
DES\	<u>54204e.docx</u>	Backfill - Pipe Culverts	E 10/15/95 R 1/1/07
DES\	<u>55000.docx</u>	Storm Sewer, (Water Main Quality Pipe)	E 1/1/11 R 1/1/21
DES\	<u>55007.docx</u>	Backfill, Building Removal	E 8/20/91 R 1/1/07
DES\	<u>55200.docx</u>	Steel Pipe Culvert, Special (Jacked) * inches (* mm)	E 7/1/94 R 1/1/07
DES\	<u>55201.docx</u>	(*Storm Sewer/Pipe Culvert) Jacked in Place, ** inches (** mm)	E 7/1/94 R 1/1/07
DES\	<u>56100.docx</u>	Steel Casings * Inches	E 7/1/90 R 1/1/13
DES\	<u>56101.docx</u>	Steel Casings * Inches	E 7/1/90 R 1/1/13
DES\	<u>59300.docx</u>	Slope Wall Slurry Pumping	E 7/31/20 R 10/1/24
DES\	<u>60200a.docx</u>	Inlets, Type G-1	E 10/1/95 R 1/1/07
DES\	<u>60200b.docx</u>	Inlets, Type G-1, Special	E 10/1/95 R 1/1/07
DES\	<u>60200c.docx</u>	Inlets, Type G-1, Double, Special	E 10/1/95 R 1/1/07

**SPECIAL PROVISIONS CHECK LIST**  
**Generated - 10/8/24 1:49 P.M.**

Designer: \_\_\_\_\_ FAP: \_\_\_\_\_  
 Contract No.: \_\_\_\_\_ Section: \_\_\_\_\_  
 Letting(s): 1/17/2025 & 3/7/2025 County(ies): \_\_\_\_\_

	DES\	<u>60200d.docx</u>	Inlet Manhole, Type G-1, 4' (1.2 m) Diameter	E 10/1/95 R 1/1/07
	DES\	<u>60200e.docx</u>	Inlet-Manhole, Type G-1, 4' (1.2 m) Diameter, Special	E 10/1/95 R 1/1/07
	DES\	<u>60200f.docx</u>	Inlet-Manhole, Type G-1, 5' (1.5 m) Diameter	E 10/1/95 R 1/1/07
	DES\	<u>60200g.docx</u>	Inlet-Manhole, Type G-1, 5' (1.5 m) Diameter, Special	E 10/1/95 R 1/1/07
	DES\	<u>60200h.docx</u>	Inlet-Manhole, Type G-1, 5' (1.5 m) Diameter, Double, Special	E 10/1/95 R 1/1/07
	DES\	<u>60200i.docx</u>	Inlet-Manhole, Type G-1, 8' (2.4 m) Diameter, Double, Special	E 10/1/95 R 1/1/07
	DES\	<u>60200j.docx</u>	Manhole to be Adjusted with New Type G-1 Frame and Grate	E 10/1/95 R 1/1/07
	DES\	<u>60200k.docx</u>	Temporary Inlet Drainage Treatment	E 1/1/97
	DES\	<u>60200l.docx</u>	Inlets, Type G-2	E 11/1/03 R 1/1/07
	DES\	<u>60200m.docx</u>	Inlets, Type G-1, Double	E 7/31/09
	DES\	<u>60200n.docx</u>	Inlets, Type " * ", With Special Frame and Grate	E 8/2/13
	DES\	<u>60200o.docx</u>	Manhole, Type A, of the Diameter Specified with Special Frame and Grate	E 8/2/13
	DES\	<u>60504.docx</u>	Filling Existing Inlets	E 7/1/90 R 7/1/94
	DES\	<u>60504a.docx</u>	Filling Existing Culverts	E 10/15/95 R 4/1/17
	DES\	<u>60504b.docx</u>	Filling Drainage Structures	E 10/15/95 R 4/1/17
	DES\	<u>60608.docx</u>	Island Pavement Constructed on Existing Pavement	E 1/1/97 R 1/1/07
	DES\	<u>60612.docx</u>	Drainage Holes	E 7/1/90 R 1/1/07
	DES\	<u>63001.docx</u>	Guardrail Aggregate Erosion Control	E 2/1/93 R 1/1/07
	DES\	<u>63111c.docx</u>	Traffic Barrier Terminals	E 2/1/96 R 11/5/04
	DES\	<u>63200.docx</u>	Guard Post Removal	E 7/1/90 R 1/1/07
	DES\	<u>63500.docx</u>	Flexible Delineator Maintenance	E 5/5/92 R 1/1/94
	DES\	<u>63501.docx</u>	Flexible Delineators	E 10/1/95 R 1/1/07
	DES\	<u>63502.docx</u>	Recoverable Delineators	E 4/26/15 R 11/1/18
	DES\	<u>66704.docx</u>	Permanent Survey Marker, Type 1, Bridge Placement	E 7/1/90 R 3/11/11
	DES\	<u>66802.docx</u>	Permanent Survey Ties	E 4/1/91 R 4/27/12
	DES\	<u>67005.docx</u>	Equipment Vault for Nuclear Testing Equipment	E 6/24/93 R 11/8/19
	DES\	<u>68000.docx</u>	Railroad Track Removal	E 11/1/94 R 1/1/07
	DES\	<u>68000a.docx</u>	Railroad Ties Removal and Disposal	E 11/1/94 R 10/1/95
	DES\	<u>68300.docx</u>	Mortared Stone Wall	E 3/1/91 R 1/1/07
√	DES\	<u>70100.docx</u>	Traffic Control Plan	E R
	DES\	<u>70101.docx</u>	Flaggers	E 8/3/18
	DES\	<u>70108b.docx</u>	Traffic Control and Protection Standard 701331 (Special)	E 10/15/95 R 7/31/09
	DES\	<u>70114.docx</u>	Width Restriction Signing	E 11/1/07 R 1/1/19

**SPECIAL PROVISIONS CHECK LIST**  
**Generated - 10/8/24 1:49 P.M.**

**Designer:** \_\_\_\_\_ **FAP:** \_\_\_\_\_  
**Contract No.:** \_\_\_\_\_ **Section:** \_\_\_\_\_  
**Letting(s):** 1/17/2025 & 3/7/2025 **County(ies):** \_\_\_\_\_

DES\	<u>70120.docx</u>	Traffic Control and Protection BLR 21	E 4/25/08 R 4/24/20
DES\	<u>70121.docx</u>	Traffic Control and Protection BLR 22	E 4/25/08 R 4/24/20
DES\	<u>70400.docx</u>	Temporary Concrete Barrier, State Owned	E 5/1/91 R 4/1/19
DES\	<u>70400a.docx</u>	Temporary Concrete Barrier Reflectors	E 1/21/05 R 11/6/20
DES\	<u>73300.docx</u>	Re-Tightening Anchor Bolts for Cantilever Sign Structures	E 4/25/14
DES\	<u>78201.docx</u>	Linear Delineator Panels, 4 Inch	E 10/1/22
DES\	<u>81500.docx</u>	Trench & Backfill, Special for Conduit Installation Beneath Bituminous Shoulders	E 3/21/94 R 11/6/20
DES\	<u>88600a.docx</u>	Detector Loops, Type 1	E 3/1/96 R 11/6/20
DES\	<u>88601.docx</u>	Adjust Existing Detector Loop Riser	E 11/7/14 R 11/6/20
DES\	<u>88602.docx</u>	Miscellaneous Electrical Work	E 8/5/22
DES\	<u>100400.docx</u>	PCC Slipform Paving Aggregate Optimization	E 8/3/12 R 1/1/22
DES\	<u>100402.docx</u>	PCC Superstructure Aggregate Optimization	E 8/4/06 R 1/1/22
DES\	<u>100403b.docx</u>	Coarse Aggregate for Bituminous Courses, Class A	E 6/29/93 R 1/1/07
DES\	<u>100404.docx</u>	Aggregate Quality	E 7/1/90 R 4/26/13
DES\	<u>102013.docx</u>	Membrane Curing Method	E 7/29/16 R 11/17/17
DES\	<u>110300.docx</u>	PCC QMP Electronic Report Submittals	E 1/13/22
DES\	<u>110303.docx</u>	PCC Automatic Batching Equipment	E 4/23/10 R 8/1/23

**Designer Notes**  
**Recurring Special Provisions**

**Designer Notes for January 1, 2025 Recurring Special Provisions**  
***(January 17, 2025 & March 7, 2025 Lettings)***

1. Designer Note: This check sheet is required in all contracts that involve Federal funds.
2. Designer Note: This check sheet is required in all Federal contracts.
3. Designer Note: This check sheet is required in all contracts.
4. Designer Note: This check sheet is required in all contracts involving State funds only.
5. Designer Note: This check sheet is required in all contracts involving State funds only.
6. Designer Note: Include in all contracts where Asbestos Bearing Pad Removal is part of the structure work.
7. Designer Note: Include in all contracts where the existing bridge deck HMA surface is to be removed and the waterproofing membrane contains asbestos and will be removed. The designer must have in the project files a completed "Asbestos Determination Certificate" for every bridge within the project limits. The District Bridge Maintenance Engineer and/or the District Hydraulics Engineer can provide copies of these certificates. If your project has any bridge deck containing asbestos, insert this special provision as well as the General Notes entitled, "Asbestos Bridge Wearing Surface Removal".
8. Designer Note: This check sheet will be required for those contracts that will involve Contractor work on haul road stream crossings, other temporary stream crossings, and in stream work pads. Contracts that would generally involve this type of work would be bridges/structures, new or rebuilt, and contracts involving earth excavation, embankment or borrow excavation. Discuss these types of work operations and any other stream related work with your Project Engineer. Any in-stream crossing or other work will require a 404 Permit from the Corps of Engineers. Be sure to let the Hydraulics Engineer know as soon as possible that a Corps permit will be needed.
9. Designer Note: Depending on IDOT manpower needs, this check sheet will be included as a pay item when the Contractor will be required to do all contract staking, including bridges. This check sheet should be used for a large box culvert or a multi pipe that will require a structure number. This would be a structure that will have a span length along survey line of more than 6 meters (20 feet). Discuss this check sheet with the Bureau of Project Implementation (Construction) as to what manpower sources are available.
10. Designer Note: This special provision specifies the requirements for geotextile fabric for use on railroad crossings. Include only on projects where the railroad crossing is a contract pay item. Also may be required for temporary crossings. Railroad crossings are generally (99%) handled by the Railroad through an agreement and not part of our contract. If in doubt as to how to handle, discuss with Project Support.
11. Designer Note: Use this check sheet where existing pavement is being reconstructed and voids are evident under the existing pavement that can be filled by grouting. Discuss with Maintenance Field Engineer responsible for the area. NOTE: A detail of the slab movement detection device is included in CADD and this drawing must be included in your contract plans.



12. Designer Note: This check sheet will be required on a contract where cold milling is required but where the cold milled area will not be overlaid. Include CADD Standard 440001 in your plans. If your contract is to be cold milled and the area overlaid, you should use one of the two District special provisions on this subject, **not** this check sheet.
13. Designer Note: This check sheet requires that once a lift of bituminous resurfacing is placed on a lane of pavement, any adjoining bituminous shoulder shall be resurfaced with an equal thickness before any other lane is resurfaced for each lift of resurfacing. Insert this special on resurfacing projects which meet the following criteria: All four lane interstates and freeways, all four lane expressways, four lane highways with ADT >25,000 or peak one-way VPH >1,700, two lane highways with ADT >10,000 or peak one-way VPH >800.
14. Designer Note: Intended to remove thick bituminous overlay so that the original pavement can be examined and then patched, if necessary. It also further defines specific pay items for work involved.
15. Designer Note: This check sheet was developed by Materials and Physical Research as an alternate to replacing Preformed Joint Sealer and Neoprene Expansion Joints up to 65 mm (2½" inches). Include with any projects that have "POLYMER CONCRETE" as a pay item.
16. Reserved.
17. Designer Note: This check sheet was developed to obtain the desired pipe coating on bike racks. Use on all projects with bike racks.
18. Designer Note: This special provision is for use on bridge contracts where staging is required, and the District wants the Contractor to have an option to post-mounting the temporary bridge and traffic signals. Discuss use with the District Traffic Control Technician.
19. Designer Note: This check sheet should be included for all projects containing roadway lighting. The designer should also include CADD Standard 701301-D4 in the plans.
20. Designer Note: This check sheet was developed to address difficulties with obtaining metric sized bolts. Include in all metric projects, which contain or could contain any type of bolted connection.
21. Designer Note: This special provision not to be used in District Four. Not recommended for use on recently constructed pavements or bridge decks. This is not recommended when there is steel in the patches due to the corrosion the calcium chloride causes.
22. Designer Note: Do not use Check Sheet #22 unless requested by Materials.
23. Designer Note: Use in all contracts involving cast-in-place concrete.
24. Reserved.
25. Reserved.
26. Designer Note: Insert into preventative maintenance contracts using cape seals or bituminous surface treatments.

27. Design Note: Insert into contracts using high-density expanding polyurethane foam or restoring the elevation of settled bridge approach pavements.
28. Designer Note: Insert into contracts using PCC inlays or overlays. Use in accordance with Chapter 53 of the *BDE Manual*.
29. Designer Note: Use on resurfacing projects to address areas which need repair, but do not warrant full depth repair. Joints and cracks, which exhibit environmental distresses, such as, spalling and "D" cracking or contains maintenance patching, are eligible for using this method of repair. Joints and cracks which exhibit load related stresses, such as pumping, alligator cracking, corner breaks, compression failures, subgrade failures, or punch-outs should not use this method on repair. Discuss use with your Project Engineer.
30. Designer Note: Consider using on contracts with longitudinal partial depth patching. There is a District Special Provision (Longitudinal Joint Repair, 440.02) that D4 prefers to use because it has different requirements. If using the BDE version and you cannot allow the milled trench to be left open overnight, specify the holes shall be filled every night.
31. Designer Note: Insert in projects with cast-in-place concrete. It is an interim measure to allow districts to transition from department mix designs to contractor mix designs.
32. Design Note: Use on all HMA overlay, Full-Dept HMA paving, and PCC pavement projects in District 4.

# **BDE Special Provisions**

## **Numeric Index**

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## NUMERIC DESIGN INTERIM SPECIAL PROVISIONS (ISP's)

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107.11a	10711a	Railroad Protective Liability Insurance
107.19a	10719a	Building Removal with Asbestos Abatement
107.19d	10719d	Building Removal
107.38	10738	Bridge Demolition Debris
107.40	10740	Compensable Delay Costs
108.05	10805	Working Days
108.05a	10805a	Completion Date (Via Calendar Days)
108.05b	10805b	Completion Date (Via Calendar Days) Plus Working Days
108.06	10806	Training Special Provision
108.06a	10806a	Disadvantaged Business Enterprise Participation
108.06b	10806b	Weekly DBE Trucking Reports
108.06c	10806c	Illinois Works Apprenticeship Initiative – State Funded Contracts
109.00a	10900a	Steel Cost Adjustment
109.01	10901	Bituminous Materials Cost Adjustments
109.03	10903	Fuel Cost Adjustment
109.12	10912	Subcontractor Mobilization Payments
109.13	10913	Submission of Payroll Records
109.14	10914	Subcontractor and DBE Payment Reporting
214.03	21403	Grading and Shaping Ditches
250.07	25007	Seeding

## NUMERIC DESIGN INTERIM SPECIAL PROVISIONS (ISP's)

<u>Standard Spec. No.</u>	<u>PC No.</u>	<u>Item</u>
303.00	30300	Aggregate Subgrade Improvement
403.00	40300	Bituminous Surface Treatment with Fog Seal
405.50	40550	Ultra-Thin Bonded Wearing Course
406.06	40606	Hot-Mix Asphalt – Longitudinal Joint Sealant
406.11	40611	Surface Testing of Pavements - IRI
581.01	58101	Full Lane Sealant Waterproofing System
637.12	63712	Concrete Barrier
669.04	66904	Removal and Disposal of Regulated Substances
701.00	70100	Automated Flagger Assistance Devices
701.03	70103	Work Zone Traffic Control Devices
701.08	70108	Vehicle and Equipment Warning Lights
701.15	70115	Speed Display Trailer
720.02	72002	Sign Panels and Appurtenances
730.02	73002	Wood Sign Support
780.14	78014	Green Preformed Thermoplastic Pavement Markings
888.00	88800	Accessible Pedestrian Signals (APS)
1001.01	100101	Cement, Finely Divided Minerals, Admixtures, Concrete, and Mortar
1003.07	100307	Mechanically Stabilized Earth Retaining Walls
1026.01	102601	Concrete Sealer
1030.07	103007	Hot-Mix Asphalt
1032.05	103205	Performance Graded Asphalt Binder
1061.03	106103	Waterproofing Membrane System
1095.03	109503	Preformed Plastic Pavement Marking
1095.06	109506	Short Term and Temporary Pavement Markings

# **BDE Special Provisions**

## **Alphabetic Index**

REVISED INDEX

## ALPHABETIC LIST OF DESIGN INTERIM SPECIAL PROVISIONS (ISP's)

Get a copy of the current check list from the Program Development Secretary, indicate which ISP's are to be included in your set of special provisions, fill in any blanks as indicated on the check list, and include with your set of special provisions to be sent to Springfield where they will be inserted.

<u>Standard Spec. No.</u>	<u>PC No.</u>	<u>Item</u>
888.00	88800	Accessible Pedestrian Signals (APS)
303.00	30300	Aggregate Subgrade Improvement
701.00	70100	Automated Flagger Assistance Devices
109.01	10901	Bituminous Materials Cost Adjustment
403.00	40300	Bituminous Surface Treatment with Fog Seal
107.38	10738	Bridge Demolition Debris
107.19a	10719a	Building Removal with Asbestos Abatement
107.19d	10719d	Building Removal
1001.01	100101	Cement, Finely Divided Minerals, Admixtures, Concrete, and Mortar
107.40	10740	Compensable Delay Costs
108.05a	10805a	Completion Date (Via Calendar Days)
108.05b	10805b	Completion Date (Via Calendar Days) Plus Working Days
637.12	63712	Concrete Barrier
1026.01	102601	Concrete Sealer
107.01	10701	Construction Air Quality – Diesel Retrofit
108.06a	10806a	Disadvantaged Business Enterprise Participation
109.03	10903	Fuel Cost Adjustment
581.01	58101	Full Lane Sealant Waterproofing System
214.03	21403	Grading and Shaping Ditches
780.14	78014	Green Preformed Thermoplastic Pavement Markings

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## ALPHABETIC LIST OF DESIGN INTERIM SPECIAL PROVISIONS (ISP's)

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1030.07	103007	Hot-Mix Asphalt
406.06	40606	Hot-Mix Asphalt – Longitudinal Joint Sealant
108.06c	10806c	Illinois Works Apprenticeship Initiative – State Funded Contracts
1003.07	100307	Mechanically Stabilized Earth Retaining Walls
1032.05	103205	Performance Graded Asphalt Binder
1095.03	109503	Preformed Plastic Pavement Marking
107.11	10711a	Railroad Protective Liability Insurance
669.04	66904	Removal and Disposal of Regulated Substances
250.07	25007	Seeding
1095.06	109506	Short Term and Temporary Pavement Markings
720.02	72002	Sign Panels and Appurtenances
106.01	10601	Source of Supply and Quality Requirements
701.15	70115	Speed Display Trailer
109.00	10900a	Steel Cost Adjustment
109.14	10914	Subcontractor and DBE Payment Reporting
109.12	10912	Subcontractor Mobilization Payments
109.13	10913	Submission of Payroll Records
406.11	40611	Surface Testing of Pavements – IRI
108.06	10806	Training Special Provision
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## ALPHABETIC LIST OF DESIGN INTERIM SPECIAL PROVISIONS (ISP's)

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1061.03	106103	Waterproofing Membrane System
108.06b	10806b	Weekly DBE Trucking Reports
730.02	73002	Wood Sign Support
108.05	10805	Working Days
701.03	70103	Work Zone Traffic Control Devices

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# **District Special Provisions**

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District Special Provisions

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105.07b	UTILITIES – LOCATION/INFORMATION ON PLANS	10507b
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## District Special Provisions

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## District Special Provisions

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602.00d	INLET-MANHOLE, TYPE G-1, 4' (1.2 M) DIAMETER	60200d
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## District Special Provisions

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704.00a	TEMPORARY CONCRETE BARRIER REFLECTORS	70400a
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District Special Provisions

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SECTION 900

District Special Provisions

Standard  
Specifications

Item/Description

Doc. #

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## District Special Provisions

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BACKFILL - PIPE CULVERTS	542.04e	54204e
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CLEAN EXISTING PAVEMENT EDGE JOINT	406.00	40600
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CONCRETE HANDRAIL REMOVAL	501.04	50104
CONCRETE HEADWALL REMOVAL	501.03	50103
CONSTRUCTION LAYOUT RESPONSIBILITY	105.01	10501
CONSTRUCTION LAYOUT UTILIZING GPS EQUIPMENT	105.02	10502
CONSTRUCTION LAYOUT EQUIPMENT	105.03	10503
CONSTRUCTION STATION LAYOUT	105.00	10500
DATE OF COMPLETION	108.05a	10805a
DATE OF COMPLETION (PLUS WORKING DAYS)	108.05b	10805b
DETECTOR LOOPS, TYPE 1	886.00a	88600a
DRAINAGE HOLES	606.12	60612
EMBANKMENT RESTRICTIONS	205.04	20504
EQUIPMENT VAULT FOR NUCLEAR TESTING EQUIPMENT	670.05	67005
FILLING EXISTING CULVERTS	605.04a	60504a
FILLING DRAINAGE STRUCTURES	605.04b	60504b
FILLING EXISTING INLETS	605.04d	60504d
FLAGGERS	701.01	70101
FLEXIBLE DELINEATOR MAINTENANCE	635.00	63500
FLEXIBLE DELINEATORS	635.01	63501

ALPHABETIC INDEX OF DISTRICT SPECIAL PROVISIONS

<u>Item/Description</u>	<u>Standard Specification</u>	<u>Filename</u>
FLOOR DRAIN EXTENSION	503.12a	50312a
GEOTECHNICAL REINFORCEMENT	205.00	20500
GRANULAR BACKFILL FOR STRUCTURES	503.01	50301
GROOVED-IN RUMBLE STRIP	407.13	40713
GROUT FOR USE WITH RIPRAP	281.00	28100
GUARD POST REMOVAL	632.00	63200
GUARDRAIL AGGREGATE EROSION CONTROL	630.01	63001
HOT-MIX ASPHALT JOINT TRIMMING	440.04	44004
HOT-MIX ASPHALT SHOULDER RESURFACING CONSTRUCTED SIMULTANEOUSLY WITH MAINLINE PAVING	482.06	48206
HOT-MIX ASPHALT SHOULDER RESURFACING REQUIRED TO BE CONSTRUCTED SIMULTANEOUSLY WITH MAINLINE PAVING	482.05	48205
HOT-MIX ASPHALT SURFACE COURSE SURFACE TESTS	406.04a	40604a
HOT-MIX ASPHALT SURFACE REMOVAL, *** (** MM)	440.03a	44003a
HOT-MIX ASPHALT SURFACE REMOVAL, *** (** MM)	440.03b	44003b
HOT-MIX ASPHALT – TRACKLESS TACK COAT (SPECIAL) OPTIONS	406.07	40607
INLET-MANHOLE, TYPE G-1, 4' (1.2 M) DIAMETER	602.00d	60200d
INLET-MANHOLE, TYPE G-1, 4' (1.2 M) DIAMETER, SPECIAL	602.00e	60200e
INLET-MANHOLE, TYPE G-1, 5' (1.5 M) DIAMETER	602.00f	60200f
INLET-MANHOLE, TYPE G-1, 5' (1.5 M) DIAMETER, DOUBLE, SPECIAL	602.00h	60200h
INLET-MANHOLE, TYPE G-1, 5' (1.5 M) DIAMETER, SPECIAL	602.00g	60200g
INLET-MANHOLE, TYPE G-1, 8' (2.4 M) DIAMETER, DOUBLE, SPECIAL	602.00i	60200i
INLETS, TYPE G-1	602.00a	60200a
INLETS, TYPE G-1, DOUBLE	602.00m	60200m
INLETS, TYPE G-1, DOUBLE, SPECIAL	602.00c	60200c
INLETS, TYPE G-1, SPECIAL	602.00b	60200b



ALPHABETIC INDEX OF DISTRICT SPECIAL PROVISIONS

<u>Item/Description</u>	<u>Standard Specification</u>	<u>Filename</u>
INLETS, TYPE G-2	602.00l	60200l
INLETS, TYPE "**", WITH SPECIAL FRAME AND GRATE	602.00n	60200n
ISLAND PAVEMENT CONSTRUCTED ON EXISTING PAVEMENT	606.08	60608
LINEAR DELINEATOR PANELS, 4 INCH	782.01	78201
LOCATION OF UNDERGROUND STATE MAINTAINED FACILITIES	107.31	10731
LONGITUDINAL JOINT REPAIR	440.02	44002
MAINTENANCE OF NAVIGATION	107.13b	10713b
MANHOLE TO BE ADJUSTED WITH NEW TYPE G-1 FRAME AND GRATE	602.00j	60200j
MANHOLE, TYPE A, OF THE DIAMETER SPECIFIED WITH SPECIAL FRAME AND GRATE	602.00o	60200o
MEMBRANE CURING METHOD	1020.13	102013
MISCELLANEOUS ELECTRICAL WORK	886.02	88602
MORTARED STONE WALL	683.00	68300
MOWING	250.06a	250.06a
MOWING	250.06b	250.06b
PARTIAL DEPTH PATCHING	440.00	44000
PAVEMENT DRAINAGE AFTER COLD MILLING	440.03c	44003c
PAVEMENT PATCHING WITH HOT-MIX ASPHALT SURFACE REMOVAL	440.03e	44003e
PCC AUTOMATIC BATCHING EQUIPMENT	1103.03	110303
PCC PLACEMENT BY PUMP REQUIREMENTS	503.07	50307
PCC QMP ELECTRONIC REPORTS SUBMITTAL	1103.00	110300
PCC SLIPFORM PAVING AGGREGATE OPTIMIZATION	1004.00	100400
PCC SUPERSTRUCTURE AGGREGATE OPTIMIZATION	1004.02	100402
PERMANENT SURVEY MARKER, TYPE I, BRIDGE PLACEMENT	667.04	66704
PERMANENT SURVEY TIES	668.02	66802

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<u>Item/Description</u>	<u>Standard Specification</u>	<u>Filename</u>
PIPE CULVERTS (JACKED)	542.02	54202
PLUG EXISTING DECK DRAINS	503.12	50312
PROOF ROLLING	301.01	30101
PROTECTION OF FRAMES AND LIDS OF UTILITY STRUCTURES	440.03	44003
PROTECTION OF THE ILLINOIS RIVER	107.13a	10713a
PROTECTIVE COAT (SPECIAL)	503.19	50319
RAILROAD TIES REMOVAL AND DISPOSAL	680.00a	68000a
RAILROAD TRACK REMOVAL	680.00	68000
RECOVERABLE DELINEATORS	635.02	63502
REMOVAL OF ABANDONED UNDERGROUND UTILITIES	105.07	10507
REMOVE AND RELAY PIPE CULVERT (SPECIAL)	542.01	54201
REQUIREMENTS WHEN WORKING WITH THE RAILROAD	107.12	10712
RE-TIGHTENING ANCHOR BOLTS FOR CANTILEVER SIGN STRUCTURES	733.00	73300
RIGHT-OF-WAY RESTRICTIONS	107.32	10732
ROCKFILL	311.00	31100
GROOVED-IN V RUMBLE STRIP	407.13	40713
SAWCUTTING OF PCC BASE COURSE AND BASE COURSE WIDENING	353.00	35300
SEEDING, MINOR AREAS	250.00	25000
SEEDLINGS	253.00b	15300b
SEEPAGE COLLAR	542.00	54200
SIDEWALK DRAINS	424.01	42401
SLOPE WALL SLURRY PUMPING	593.00	59300
SOIL MODIFICATION	302.00	30200
STATUS OF UTILITIES/UTILITIES TO BE ADJUSTED	105.07	10507

ALPHABETIC INDEX OF DISTRICT SPECIAL PROVISIONS

<u>Item/Description</u>	<u>Standard Specification</u>	<u>Filename</u>
STEEL CASINGS (***) INCHES	561.00	56100
STEEL CASINGS (***) INCHES	561.01	56101
STEEL PIPE CULVERT, SPECIAL (JACKED) ** (* MM)	552.00	55200
STORM SEWER/PIPE CULVERT) JACKED IN PLACE *** (** MM)	552.01	55201
STORM SEWER (WATER MAIN QUALITY PIPE)	550.00	55000
SUBGRADE TREATMENT	301.03	30103
SURFACE FILLER (SPECIAL)	503.02	50302
TEMPORARY BASE COURSE WIDENING	356.00	35600
TEMPORARY CONCRETE BARRIER REFLECTORS	704.00a	70400a
TEMPORARY CONCRETE BARRIER, STATE OWNED & TEMPORARY CONCRETE BARRIER TERMINAL SECTIONS, STATE OWNED	704.00d	70400d
TEMPORARY INLET DRAINAGE TREATMENT	602.00k	60200k
TEMPORARY PAVEMENT	355.00	35500
TEMPORARY SIDEWALKS	424.02	42402
TRAFFIC BARRIER TERMINALS	631.11c	63111c
TRAFFIC CONTROL AND PROTECTION STANDARD 701331 (SPECIAL)	701.08b	70108b
TRAFFIC CONTROL AND PROTECTION BLR 21	701.20	70120
TRAFFIC CONTROL AND PROTECTION BLR 22	701.21	701.21
TRAFFIC CONTROL PLAN	701.00	70100
TRENCH & BACKFILL, SPECIAL FOR CONDUIT INSTALLATION BENEATH BITUMINOUS SHOULDERS	815.00	81500
UTILITIES – LOCATIONS/INFORMATION ON PLANS	105.07b	10507b
WIDTH RESTRICTION SIGNING	701.14	70114

# **BDE Special Provisions**

Designer Note: This special does not apply to any counties in District Four.

### **CONSTRUCTION AIR QUALITY – DIESEL RETROFIT (BDE)**

Effective: June 1, 2010

Revised: January 1, 2025

The reduction of emissions of particulate matter (PM) for off-road equipment shall be accomplished by installing retrofit emission control devices. The term "equipment" refers to diesel fuel powered devices rated at 50 hp and above, to be used on the jobsite in excess of seven calendar days over the course of the construction period on the jobsite (including rental equipment).

Contractor and subcontractor diesel powered off-road equipment assigned to the contract shall be retrofitted according to the table below.

Horsepower Range	Model Year and Older
50-99	2003
100-299	2002
300-599	2000
600-749	2001
750 and up	2005

The retrofit emission control devices shall achieve a minimum PM emission reduction of 50 percent and shall be:

- a) Included on the U.S. Environmental Protection Agency (USEPA) *Verified Retrofit Technology List* (<https://www.epa.gov/verified-diesel-tech/verified-technologies-list-clean-diesel>), or verified by the California Air Resources Board (CARB) (<http://www.arb.ca.gov/diesel/verdev/vt/cvt.htm>); or
- b) Retrofitted with a non-verified diesel retrofit emission control device if verified retrofit emission control devices are not available for equipment proposed to be used on the project, and if the Contractor has obtained a performance certification from the retrofit device manufacturer that the emission control device provides a minimum PM emission reduction of 50 percent.

Note: Large cranes (Crawler mounted cranes) which are responsible for critical lift operations are exempt from installing retrofit emission control devices if such devices adversely affect equipment operation.

Diesel powered off-road equipment with engine ratings of 50 hp and above, which are unable to be retrofitted with verified emission control devices or if performance certifications are not available which will achieve a minimum 50 percent PM reduction, may be granted a waiver by the Department if documentation is provided showing good faith efforts were made by the Contractor to retrofit the equipment.

Construction shall not proceed until the Contractor submits a certified list of the diesel-powered off-road equipment that will be used, and as necessary, retrofitted with emission control devices. The list(s) shall include (1) the equipment number, type, make, Contractor/rental company name; and (2) the emission control devices make, model, USEPA or CARB verification number, or performance certification from the retrofit device manufacturer. Equipment reported as fitted with emissions control devices shall be made available to the Engineer for visual inspection of the device installation, prior to being used on the jobsite.

The Contractor shall submit an updated list of retrofitted off-road construction equipment as retrofitted equipment changes or comes on to the jobsite. The addition or deletion of any diesel-powered equipment shall be included on the updated list.

If any diesel-powered off-road equipment is found to be in non-compliance with any portion of this special provision, the Engineer will issue the Contractor a diesel retrofit deficiency deduction.

Any costs associated with retrofitting any diesel-powered off-road equipment with emission control devices shall be considered as included in the contract unit prices bid for the various items of work involved and no additional compensation will be allowed. The Contractor's compliance with this notice and any associated regulations shall not be grounds for a claim.

#### **Diesel Retrofit Deficiency Deduction**

When the Engineer determines that a diesel retrofit deficiency exists, a daily monetary deduction will be imposed for each calendar day or fraction thereof the deficiency continues to exist. The calendar day(s) will begin when the time period for correction is exceeded and end with the Engineer's written acceptance of the correction. The daily monetary deduction will be \$1,000.00 for each deficiency identified.

The deficiency will be based on lack of diesel retrofit emissions control.

If a Contractor accumulates three diesel retrofit deficiency deductions for the same piece of equipment in a contract period, the Contractor will be shutdown until the deficiency is corrected. Such a shutdown will not be grounds for any extension of the contract time, waiver of penalties, or be grounds for any claim.

63712

637.12

Designer Note: This special provisions should be inserted into contracts with CONCRETE BARRIER.

**CONCRETE BARRIER (BDE)**

Effective: January 1, 2025

Revise the second paragraph of Article 637.12 of the Standard Specifications to read:

"When a double face concrete barrier with a variable cross-section is required, and the variation exceeds 1/2 in. (13 mm), the barrier will be paid for at the contract unit price per Foot (Meter) for CONCRETE BARRIER, VARIABLE CROSS-SECTION, of the height specified."

Designer Note: Insert into all contracts.

### **WORK ZONE TRAFFIC CONTROL DEVICES (BDE)**

Effective: March 2, 2020

Revised: January 1, 2025

Add the following to Article 701.03 of the Standard Specifications:

"(q) Temporary Sign Supports 1106.02"

Revise the third paragraph of Article 701.14 of the Standard Specifications to read:

"For temporary sign supports, the Contractor shall provide a FHWA eligibility letter for each device used on the contract. The letter shall provide information for the set-up and use of the device as well as a detailed drawing of the device. The signs shall be supported within 20 degrees of vertical. Weights used to stabilize signs shall be attached to the sign support per the manufacturer's specifications."

Revise the first paragraph of Article 701.15 of the Standard Specifications to read:

**"701.15 Traffic Control Devices.** For devices that must meet crashworthiness standards, the Contractor shall provide a manufacturer's self-certification or a FHWA eligibility letter for each Category 1 device and a FHWA eligibility letter for each Category 2 and Category 3 device used on the contract. The self-certification or letter shall provide information for the set-up and use of the device as well as a detailed drawing of the device."

Revise the first six paragraphs of Article 1106.02 of the Standard Specifications to read:

**"1106.02 Devices.** Work zone traffic control devices and combinations of devices shall meet crashworthiness standards for their respective categories. The categories are as follows.

Category 1 includes small, lightweight, channelizing and delineating devices that have been in common use for many years and are known to be crashworthy by crash testing of similar devices or years of demonstrable safe performance. These include cones, tubular markers, plastic drums, and delineators, with no attachments (e.g. lights). Category 1 devices shall be MASH compliant.

Category 2 includes devices that are not expected to produce significant vehicular velocity change but may otherwise be hazardous. These include vertical panels with lights, barricades, temporary sign supports, and Category 1 devices with attachments (e.g. drums with lights). Category 2 devices shall be MASH compliant.

Category 3 includes devices that are expected to cause significant velocity changes or other potentially harmful reactions to impacting vehicles. These include crash cushions (impact attenuators), truck mounted attenuators, and other devices not meeting the definitions of Category 1 or 2. Category 3 devices manufactured after December 31, 2019, shall be MASH compliant. Category 3 devices manufactured on or before December 31, 2019, and compliant with NCHRP 350, may be used on contracts let before December 31, 2029. Category 3 devices shall be crash tested for Test Level 3 or the test level specified.



Category 4 includes portable or trailer-mounted devices such as sign supports, speed feedback displays, arrow boards, changeable message signs, temporary traffic signals, and area lighting supports. It is preferable for Category 4 devices manufactured after December 31, 2019, to be MASH-16 compliant; however, there are currently no crash tested devices in this category, so it remains exempt from the NCHRP 350 or MASH compliance requirement.

For each type of device, when no more than one MASH compliant is available, an NCHRP 350 compliant device may be used, even if manufactured after December 31, 2019."

Revise Articles 1106.02(g), 1106.02(k), and 1106.02(l) to read:

"(g) Truck Mounted/Trailer Mounted Attenuators. The attenuator shall be approved for use at Test Level 3. Test Level 2 may be used for normal posted speeds less than or equal to 45 mph.

(k) Temporary Water Filled Barrier. The water filled barrier shall be a lightweight plastic shell designed to accept water ballast and be on the Department's qualified product list.

Shop drawings shall be furnished by the manufacturer and shall indicate the deflection of the barrier as determined by acceptance testing; the configuration of the barrier in that test; and the vehicle weight, velocity, and angle of impact of the deflection test. The Engineer shall be provided one copy of the shop drawings.

(l) Movable Traffic Barrier. The movable traffic barrier shall be on the Department's qualified product list.

Shop drawings shall be furnished by the manufacturer and shall indicate the deflection of the barrier as determined by acceptance testing; the configuration of the barrier in that test; and the vehicle weight, velocity, and angle of impact of the deflection test. The Engineer shall be provided one copy of the shop drawings. The barrier shall be capable of being moved on and off the roadway on a daily basis."

72002

720.02

Designer Note: This special provisions should be inserted into contracts with SIGN PANELS.

**SIGN PANELS AND APPURTENANCES (BDE)**

Effective: January 1, 2025

Revise the third paragraph of Article 720.02 of the Standard Specifications to read:

"Steel support channels shall be according to ASTM A 653 (A 653M) (mild strip), Standard 720001, and galvanized according to AASHTO M 232, Class B 2 after forming."

Revise the fifth paragraph of Article 720.02 of the Standard Specifications to read:

"The stainless-steel banding for mounting signs or sign support channels to light or signal standards shall be according to ASTM A 240 (A 240M) Type 302 stainless steel."

100101

1001.01

Designer Note: This special provisions should be inserted into all contracts.

**CEMENT, FINELY DIVIDED MINERALS, ADMIXTURES; CONCRETE, AND MORTAR (BDE)**

Effective: January 1, 2025

Revise the first paragraph of Article 285.05 of the Standard Specifications to read:

**"285.05 Fabric Formed Concrete Revetment Mat.** The grout shall consist of a mixture of cement, fine aggregate, and water so proportioned and mixed as to provide a pumpable slurry. Fly ash or ground granulated blast furnace (GGBF) slag, and concrete admixtures may be used at the option of the Contractor. The grout shall have an air content of not less than 6.0 percent nor more than 9.0 percent of the volume of the grout. The mix shall obtain a compressive strength of 2,500 psi (17,000 kPa) at 28 days according to Article 1020.09."

Revise Article 302.02 of the Standard Specifications to read:

**"302.02 Materials.** Materials shall be according to the following.

Item	Article/Section
(a) Cement	1001
(b) Water	1002
(c) Hydrated Lime	1012.01
(d) By-Product, Hydrated Lime	1012.02
(e) By-Product, Non-Hydrated Lime	1012.03
(f) Lime Slurry	1012.04
(g) Fly Ash	1010
(h) Soil for Soil Modification (Note 1)	1009.01
(i) Bituminous Materials (Note 2)	1032

Note 1. This soil requirement only applies when modifying with lime (slurry or dry).

Note 2. The bituminous materials used for curing shall be emulsified asphalt RS-2, CRS-2, HFE 90, or HFE 150; rapid curing liquid asphalt RC-70; or medium curing liquid asphalt MC-70 or MC-250."

Revise Article 312.07(c) of the Standard Specifications to read:

"(c) Cement 1001"

Add Article 312.07(i) of the Standard Specifications to read:

"(i) Ground Granulated Blast Furnace (GGBF) Slag 1010"

Revise the first paragraph of Article 312.09 of the Standard Specifications to read:

**"312.09 Proportioning and Mix Design.** At least 60 days prior to start of placing CAM II, the Contractor shall submit samples of materials to be used in the work for proportioning and testing. The mixture shall contain a minimum of 200 lbs. (120 kg) of cement per Cubic Yard (Cubic Meter).

Cement may be replaced with fly ash or ground granulated blast furnace (GGBF) slag according to Article 1020.05(c)(1) or 1020.05(c)(2), respectively, however the minimum cement content in the mixture shall be 170 lbs./cu. yd. (101 kg/cu m). Blends of coarse and fine aggregates will be permitted, provided the volume of fine aggregate does not exceed the volume of coarse aggregate. The Engineer will determine the proportions of materials for the mixture according to the "Portland Cement Concrete Level III Technician Course" manual. However, the Contractor may substitute their own mix design. Article 1020.05(a) shall apply, and a Level III PCC Technician shall develop the mix design."

Revise Article 352.02 of the Standard Specifications to read:

**"352.02 Materials.** Materials shall be according to the following.

Item	Article/Section
(a) Cement (Note 1)	1001
(b) Soil for Soil-Cement Base Course	1009.03
(c) Water	1002
(d) Bituminous Materials (Note 2)	1032

Note 1. Bulk cement may be used for the traveling mixing plant method if the equipment for handling, weighing, and spreading the cement is approved by the Engineer.

Note 2. The bituminous materials used for curing shall be emulsified asphalt RS-2, CRS-2, HFE 90, or HFE 150; rapid curing liquid asphalt RC-70; or medium curing liquid asphalt MC-70 or MC-250."

Revise Article 404.02 of the Standard Specifications to read:

**"404.02 Materials.** Materials shall be according to the following.

Item	Article/Section
(a) Cement	1001
(b) Water	1002
(c) Fine Aggregate	1003.08
(d) Bituminous Material (Tack Coat)	1032.06
(e) Emulsified Asphalts (Note 1) (Note 2)	1032.06
(f) Fiber Modified Joint Sealer	1050.05
(g) Additives (Note 3)	

Note 1. When used for slurry seal, the emulsified asphalt shall be CQS-1h according to Article 1032.06(b).

Note 2. When used for micro-surfacing, the emulsified asphalt shall be CQS-1hP according to Article 1032.06(e).

Note 3. Additives may be added to the emulsion mix or any of the component materials to provide the control of the quick-traffic properties. They shall be included as part of the mix design and be compatible with the other components of the mix.

Revise the last sentence of the fourth paragraph of Article 404.08 of the Standard Specifications to read:

"When approved by the Engineer, the sealant may be dusted with fine sand, cement, or mineral filler to prevent tracking."

Revise Note 2 of Article 516.02 of the Standard Specifications to read:

"Note 2. The sand-cement grout mix shall be according to Section 1020 and shall be a 1:1 blend of sand and cement comprised of a Type I, IL, or II cement at 185 lb./cu. yd. (110 kg/cu m). The maximum water cement ratio shall be sufficient to provide a flowable mixture with a typical slump of 10 in. (250 mm)."

Revise Note 2 of Article 543.02 of the Standard Specifications to read:

"Note 2. The grout mixture shall be 6.50 hundred weight/cu. yd. (385 kg/cu. m) of cement plus fine aggregate and water. Fly ash or ground granulated blast furnace (GGBF) slag may replace a maximum of 5.25 hundredweight/cu. yd. (310 kg/cu. m) of the cement. The water/cement ratio, according to Article 1020.06, shall not exceed 0.60. An air-entraining admixture shall be used to produce an air content, according to Article 1020.08, of not less than 6.0 percent nor more than 9.0 percent of the volume of the grout. The Contractor shall have the option to use a water-reducing or high range water-reducing admixture."

Revise Article 583.01 of the Standard Specifications to read:

**"583.01 Description.** This work shall consist of placing cement mortar along precast, prestressed concrete bridge deck beams as required for fairing out any unevenness between adjacent deck beams prior to placing of waterproofing membrane and surfacing."

Revise Article 583.02(a) of the Standard Specifications to read:

"(a) Cement 1001"

Revise the first paragraph of Article 583.03 of the Standard Specifications to read:

**"583.03 General.** This work shall only be performed when the air temperature is 45 F (7°C) and rising. The mixture for cement mortar shall consist of three parts sand to one part cement by volume. The amount of water shall be no more than that necessary to produce a workable, plastic mortar."

Revise Note 2/ in Article 1003.01(b) of the Standard Specifications to read: \_

"2/ Applies only to sand. Sand exceeding the colorimetric test standard of 11 (Illinois Modified AASHTO T 21) will be checked for mortar making properties according to Illinois Modified ASTM C 87 and shall develop a compressive strength at the age of 14 days when using Type I, IL, or II cement of not less than 95 percent of the comparable standard."

Revise the second sentence of Article 1003.02(e)(1) of the Standard Specifications to read:

"The test will be performed with Type I, IL, or II Portland cement having a total equivalent alkali content (Na<sub>2</sub>O + 0.658K<sub>2</sub>O) of 0.90 percent or greater."

Revise the first sentence of the second paragraph of Article 1003.02(e)(3) of the Standard Specifications to read:

"The ASTM C 1293 test shall be performed with Type I, IL, or II Portland cement having a total equivalent alkali content ( $\text{Na}_2\text{O} + 0.658\text{K}_2\text{O}$ ) of 0.80 percent or greater."

Revise the second sentence of Article 1004.02(g)(1) of the Standard Specifications to read:

"The test will be performed with Type I, IL, or II Portland cement having a total equivalent alkali content ( $\text{Na}_2\text{O} + 0.658\text{K}_2\text{O}$ ) of 0.90 percent or greater."

Revise Article 1017.01 of the Standard Specifications to read:

**"1017.01 Requirements.** The mortar shall be high-strength according to ASTM C 387 and shall have a minimum 80.0 percent relative dynamic modulus of elasticity when tested by the Department according to Illinois Modified AASHTO T 161 or AASHTO T 161 when tested by an independent lab. The high-strength mortar shall have a water-soluble chloride ion content of less than 0.40 lb./cu. yd. (0.24 kg/cu. m). The test shall be performed according to ASTM C 1218, and the high-strength mortar shall have an age of 28 to 42 days at the time of test. The ASTM C 1218 test shall be performed by an independent lab a minimum of once every five years, and the test results shall be provided to the Department. Mixing of the high-strength mortar shall be according to the manufacturer's specifications. The Department will maintain a qualified product list."

Revise the fourth sentence of Article 1018.01 of the Standard Specifications to read:

"The ASTM C 1218 test shall be performed by an independent lab a minimum of once every five years, and the test results shall be provided to the Department."

Revise Article 1019.02 of the Standard Specifications to read:

**"1019.02 Materials.** Materials shall be according to the following.

Item	Article/Section
(a) Cement	1001
(b) Water	1002
(c) Fine Aggregate for Controlled Low-Strength Material (CLSM)	1003.06
(d) Fly Ash	1010
(e) Ground Granulated Blast Furnace (GGBF) Slag	1010
(f) Admixtures (Note 1)	

Note 1. The air-entraining admixture may be in powder or liquid form. Prior to approval, a CLSM air-entraining admixture will be evaluated by the Department. The admixture shall be able to meet the air content requirements of Mix 2. The Department will maintain a qualified product list."

Revise Article 1019.05 of the Standard Specifications to read:

**"1019.05 Department Mix Design.** The Department mix design shall be Mix 1, 2, or 3 and shall be proportioned to yield approximately one Cubic Yard (Cubic Meter).

Mix 1	
Cement	50 lb. (30 kg)
Fly Ash – Class C or F, and/or GGBF Slag	125 lb. (74 kg)
Fine Aggregate – Saturated Surface Dry	2900 lb. (1720 kg)

Water	50-65 gal. (248-322 L)
Air Content	No air is entrained

Mix 2	
Cement	125 lb. (74 kg)
Fine Aggregate – Saturated Surface Dry	2500 lb. (1483 kg)
Water	35-50 gal. (173-248 L)
Air Content	15-25 %

Mix 3	
Cement	40 lb. (24 kg)
Fly Ash – Class C or F, and/or GGBF Slag	125 lb. (74 kg)
Fine Aggregate – Saturated Surface Dry	2500 lb. (1483 kg)
Water	35-50 gal. (179-248 L)
Air Content	15-25 %"

Revise Article 1020.04, Table 1, Note (8) of the Standard Specifications to read:

"(8) In addition to the Type III Portland cement, 100 lb./cu. yd. of ground granulated blast-furnace slag and 50 lb./cu. yd. of microsilica (silica fume) shall be used. For an air temperature greater than 85°F, the Type III Portland cement may be replaced with Type I, IL, or II Portland cement."

Revise Article 1020.04, Table 1 (Metric), Note (8) of the Standard Specifications to read:

"(8) In addition to the Type III Portland cement, 60 kg/cu. m of ground granulated blast-furnace slag and 30 kg/cu. m of microsilica (silica fume) shall be used. For an air temperature greater than 30°C, the Type III Portland cement may be replaced with Type I, IL, or II Portland cement."

Revise the second paragraph of Article 1020.05(a) of the Standard Specifications to read:

"For a mix design using a Portland-pozzolan cement, Portland blast-furnace slag cement, Portland-limestone cement, or replacing Portland cement with finely divided minerals per Articles 1020.05(c) and 1020.05(d), the Contractor may submit a mix design with a minimum Portland cement content less than 400 lbs./cu. yd. (237 kg/cu. m), but not less than 375 lbs./cu. yd. (222 kg/cu. m), if the mix design is shown to have a minimum relative dynamic modulus of elasticity of 80 percent determined according to AASHTO T 161. Testing shall be performed by an independent laboratory accredited by AASHTO resource for Portland Cement Concrete."

Revise the first sentence of the first paragraph of Article 1020.05(b) of the Standard Specifications to read:

"Corrosion inhibitors and concrete admixtures shall be according to the qualified product lists."

Delete the fourth and fifth sentences of the second paragraph of Article 1020.05(b) of the Standard Specifications.

Revise the third sentence of the second paragraph of Article 1020.05(b)(5) of the Standard Specifications to read:

"The qualified product lists of concrete admixtures shall not apply."

Revise second paragraph of Article 1020.05(b)(10) of the Standard Specifications to read:

"When calcium nitrite is used, it shall be added at the rate of 4 gal./cu. yd. (20 L/cu. m) and shall be added to the mix immediately after all compatible admixtures have been introduced to the batch. Other corrosion inhibitors shall be added per the manufacturer's specifications."

Delete the third paragraph of Article 1020.05(b)(10) of the Standard Specifications.

Revise Article 1020.15(b)(1)c. of the Standard Specifications to read:

"c. The minimum Portland cement content in the mixture shall be 375 lbs./cu. yd. (222 kg/cu m). When the total of organic processing additions, inorganic processing additions, and limestone addition exceed 5.0 percent in the cement, the minimum Portland cement content in the mixture shall be 400 lbs./cu. yd. (237 kg/cu. m). For a drilled shaft, foundation, footing, or substructure, the minimum Portland cement may be reduced to as low as 330 lbs./cu. yd. (196 kg/cu. m) if the concrete has adequate freeze/thaw durability. The Contractor shall provide freeze/thaw test results according to AASHTO T 161, and the relative dynamic modulus of elasticity of the mix design shall be a minimum of 80 percent. Testing shall be performed by an independent laboratory accredited by AASHTO resource for Portland Cement Concrete. Freeze/thaw testing will not be required for concrete that will not be exposed to freezing and thawing conditions as determined by the Engineer."

Revise Article 1021.01 of the Standard Specifications to read:

**"1021.01 General.** Admixtures shall be furnished in liquid or powder form ready for use. The admixtures shall be delivered in the manufacturer's original containers, bulk tank trucks or such containers or tanks as are acceptable to the Engineer. Delivery shall be accompanied by a ticket which clearly identifies the manufacturer, the date of manufacture, and trade name of the material. Containers shall be readily identifiable as to manufacturer, the date of manufacture, and trade name of the material they contain.

Concrete admixtures shall be on one of the Department's qualified product lists. Unless otherwise noted, admixtures shall have successfully completed and remain current with the AASHTO Product Eval and Audit Concrete Admixture (CADD) testing program. For admixture submittals to the Department; the product brand name, manufacturer name, admixture type or types, an electronic link to the product's technical data sheet, and the NTPEP testing number which contains an electronic link to all test data shall be provided. In addition, a letter shall be submitted certifying that no changes have been made in the formulation of the material since the most current round of tests conducted by AASHTO Product Eval and Audit. After 28 days of testing by AASHTO Product Eval and Audit, air-entraining admixtures may be provisionally approved and used on Departmental projects. For all other admixtures, unless otherwise noted, the time period after which provisionally approved status may be earned is 6 months.

The manufacturer shall include the following in the submittal to the AASHTO Product Eval and Audit CADD testing program: The manufacturing range for specific gravity, the midpoint and



manufacturing range for residue by oven drying, and manufacturing range of pH. The submittal shall also include an infrared spectrophotometer trace no more than five years old.

For air-entraining admixtures according to Article 1021.02, the specific gravity allowable manufacturing range established by the manufacturer shall be according to AASHTO M 194. For residue by oven drying and pH, the allowable manufacturing range and test methods shall be according to AASHTO M 194.

For admixtures according to Articles 1021.03, 1021.04, 1021.05, 1021.06, 1021.07, and 1021.08, the pH allowable manufacturing range established by the manufacturer shall be according to ASTM E 70. For specific gravity and residue by oven drying, the allowable manufacturing range and test methods shall be according to AASHTO M 194.

All admixtures, except chloride-based accelerators, shall contain a maximum of 0.3 percent chloride by weight (mass) as determined by an appropriate test method. To verify the test result, the Department will use Illinois Modified AASHTO T 260, Procedure A, Method 1.

Prior to final approval of an admixture, the Engineer reserves the right to request a sample for testing. The test and reference concrete mixtures tested by the Engineer will contain a cement content of 5.65 cwt/cu. yd. (335 kg/cu. m). For freeze-thaw testing, the Department will perform the test according to Illinois Modified AASHTO T 161. The flexural strength test will be performed according to AASHTO T 177. If the Engineer decides to test the admixture, the manufacturer shall submit AASHTO T 197 water content and set time test results on the standard cement used by the Department. The manufacturer may select their lab or an independent lab to perform this testing. The laboratory is not required to be accredited by AASHTO.

Random field samples may be taken by the Department to verify an admixture meets specification. A split sample will be provided to the manufacturer if requested. Admixtures that do not meet specification requirements or an allowable manufacturing range established by the manufacturer shall be replaced with new material."

Revise Article 1021.03 of the Standard Specifications to read:

**"1021.03 Retarding and Water-Reducing Admixtures.** The admixture shall be according to the following.

- (a) Retarding admixtures shall be according to AASHTO M 194, Type B (retarding) or Type D (water-reducing and retarding).
- (b) Water-reducing admixtures shall be according to AASHTO M 194, Type A.
- (c) High range water-reducing admixtures shall be according to AASHTO M 194, Type F (high range water-reducing) or Type G (high range water-reducing and retarding)."

Revise Article 1021.05 of the Standard Specifications to read:

**"1021.05 Self-Consolidating Admixtures.** Self-consolidating admixture systems shall consist of either a high range water-reducing admixture only or a high range water-reducing admixture combined with a separate viscosity modifying admixture. The one or two component admixture system shall be capable of producing a concrete that can flow around reinforcement and consolidate under its own weight without additional effort and without segregation.

High range water-reducing admixtures shall be according to AASHTO M 194, Type F.

Viscosity modifying admixtures shall be according to AASHTO M 194, Type S (specific performance)."

Revise Article 1021.06 of the Standard Specifications to read:

**"1021.06 Rheology-Controlling Admixture.** Rheology-controlling admixtures shall be capable of producing a concrete mixture with a lower yield stress that will consolidate easier for slipform applications used by the Contractor. Rheology-controlling admixtures shall be according to AASHTO M 194, Type S (specific performance)."

Revise Article 1021.07 of the Standard Specifications to read:

**"1021.07 Corrosion Inhibitor.** The corrosion inhibitor shall be according to one of the following.

- (a) Calcium Nitrite. Corrosion inhibitors shall contain a minimum 30 percent calcium nitrite by weight (mass) of solution and shall comply with either the requirements of AASHTO M 194, Type C (accelerating) or the requirements of ASTM C 1582. The corrosion inhibiting performance requirements of ASTM C 1582 shall not apply.
- (b) Other Materials. The corrosion inhibitor shall be according to ASTM C 1582.

For submittals requiring testing according to ASTM M 194, Type C (accelerating), the admixture shall meet the requirements of the AASHTO Product Eval and Audit CADD testing program according to Article 1021.01.

For submittals requiring testing according to ASTM C 1582, a report prepared by an independent laboratory accredited by AASHTO resource for Portland cement concrete shall be provided. The report shall show the results of physical tests conducted no more than five years prior to the time of submittal, according to applicable specifications. However, ASTM G 109 test information specified in ASTM C 1582 is not required to be from an independent accredited lab. All other information in ASTM C 1582 shall be from an independent accredited lab. Test data and other information required to be submitted to AASHTO Product Eval and Audit according to Article 1021.01, shall instead be submitted directly to the Department."

Add Article 1021.08 of the Standard Specifications as follows:

**"1021.08 Other Specific Performance Admixtures.** Other specific performance admixtures shall, at a minimum, be according to AASHTO M 194, Type S (specific performance). The Department also reserves the right to require other testing, as determined by the Engineer, to show evidence of specific performance characteristics.

Initial testing according to AASHTO M 194 may be conducted under the AASHTO Product Eval and Audit CADD testing program according to Article 1021.01, or by an independent laboratory accredited by AASHTO resource for Portland Cement Concrete. In either case, test data and other information required to be submitted to AASHTO Product Eval and Audit according to Article 1021.01, shall also be submitted directly to the Department. The independent accredited lab report shall show the results of physical tests conducted no more than five years prior to the time of submittal, according to applicable specifications."

Revise Article 1024.01 of the Standard Specifications to read:

**"1024.01 Requirements for Grout.** The grout shall be proportioned by dry volume, thoroughly mixed, and shall have a minimum temperature of 50°F (10°C). Water shall not exceed the minimum needed for placement and finishing.

Materials for the grout shall be according to the following.

Item	Article/Section
(a) Cement	1001
(b) Water	1002
(c) Fine Aggregate	1003.02
(d) Fly Ash	1010
(e) Ground Granulated Blast Furnace (GGBF) Slag	1010
(f) Concrete Admixtures	1021"

Revise Note 1 of Article 1024.02 of the Standard Specifications to read:

"Note 1. Non-shrink grout shall be according to Illinois Modified ASTM C 1107.

The non-shrink grout shall have a water-soluble chloride ion content of less than 0.40 lb./cu. yd. (0.24 kg/cu. m). The test shall be performed according to ASTM C 1218, and the grout shall have an age of 28 to 42 days at the time of test. The ASTM C 1218 test shall be performed by an independent lab a minimum of once every five years, and the test results shall be provided to the Department. Mixing of the non-shrink grout shall be according to the manufacturer's specifications. The Department will maintain a qualified product list."

Revise Article 1029.02 of the Standard Specifications to read:

**"1029.02 Materials.** Materials shall be according to the following.

Item	Article/Section
(a) Cement .....	1001
(b) Fly Ash.....	1010
(c) Ground Granulated Blast Furnace (GGBF) Slag .....	1010
(d) Water .....	1002
(e) Fine Aggregate .....	1003
(f) Concrete Admixtures.....	1021
(g) Foaming Agent (Note 1)	

Note 1. The manufacturer shall submit infrared spectrophotometer trace and test results indicating the foaming agent meets the requirements of ASTM C 869 in order to be on the Department's qualified product list. Submitted data/results shall not be more than five years old."

Revise the second paragraph of Article 1103.03(a)(4) the Standard Specifications to read:

"The dispenser system shall provide a visual indication that the liquid admixture is actually entering the batch, such as via a transparent or translucent section of tubing or by independent check with an integrated secondary metering device. If approved by the Engineer, an alternate indicator may be used for admixtures dosed at rates of

25 oz/cwt (1,630 mL/100 kg) or greater, such as accelerating admixtures, corrosion inhibitors, and viscosity modifying admixtures."

Revise the first two sections of Check Sheet #11 of the Supplemental Specifications and Recurring Special Provisions to read:

"Description. This work shall consist of filling voids beneath rigid and composite pavements with cement grout.

Materials. Materials shall be according to the following Articles of Division 1,000 - Materials of the Standard Specifications:

Item	Article/Section
(a) Cement	1001
(b) Water	1002
(c) Fly Ash	1010
(d) Ground Granulated Blast Furnace (GGBF) Slag	1010
(e) Admixtures	1021
(f) Packaged Rapid Hardening Mortar or Concrete	...1018"

Revise the third paragraph of Materials Note 2 of Check Sheet #28 of the Supplemental Specifications and Recurring Special Provisions to read:

"The Department will maintain a qualified product list of synthetic fibers, which will include the minimum required dosage rate. For the minimum required fiber dosage rate based on the Illinois Modified ASTM C 1609 test, a report prepared by an independent laboratory accredited by AASHTO resource for Portland Cement Concrete shall be provided. The report shall show results of tests conducted no more than five years prior to the time of submittal."

Designer Note: This special provision should be inserted into all HMA paving contracts.

### **HOT-MIX ASPHALT (BDE)**

Effective: January 1, 2024

Revised: January 1, 2025

Revise the first and second paragraphs of Articles 1030.06(c)(2) of the Standard Specifications to read:

"(2) Personnel. The Contractor shall provide a QC Manager who shall have overall responsibility and authority for quality control. This individual shall maintain active certification as a Hot-Mix Asphalt Level II technician.

In addition to the QC Manager, the Contractor shall provide sufficient personnel to perform the required visual inspections, sampling, testing, and documentation in a timely manner. Mix designs shall be developed by personnel with an active certification as a Hot-Mix Asphalt Level III technician. Technicians performing mix design testing and plant sampling/testing shall maintain active certification as a Hot-Mix Asphalt Level I technician. The Contractor may provide a technician trainee who has successfully completed the Department's "Hot-Mix Asphalt Trainee Course" to assist in the activities completed by a Hot-Mix Asphalt Level I technician for a period of one year after the course completion date. The Contractor may also provide a Gradation Technician who has successfully completed the Department's "Gradation Technician Course" to run gradation tests only under the supervision of a Hot-Mix Asphalt Level II Technician. The Contractor shall provide a Hot-Mix Asphalt Density Tester who has successfully completed the Department's "Nuclear Density Testing" course to run all nuclear density tests on the job site."

Revise the second paragraph of Articles 1030.07(a)(11) and 1030.08(a)(9) of the Standard Specifications to read:

"When establishing the target density, the HMA maximum theoretical specific gravity ( $G_{mm}$ ) will be based on the running average of four available Department test results for that project. If less than four  $G_{mm}$  test results are available, an average of all available Department test results for that project will be used. The initial  $G_{mm}$  will be the last available Department test result from a QMP project. If there is no available Department test result from a QMP project, the Department mix design verification test result will be used as the initial  $G_{mm}$ ."

Revise Article 1030.09(g)(2) of the Standard Specifications to read:

"(2) The Contractor shall complete split verification sample tests listed in the Limits of Precision table in Article 1030.09(h)(1)."

In the Supplemental Specifications, replace the revision for the end of the third paragraph of Article 1030.09(h)(2) with the following:

"When establishing the target density, the HMA maximum theoretical specific gravity ( $G_{mm}$ ) will be the Department mix design verification test result."

Revise the tenth paragraph of Article 1030.10 of the Standard Specifications to read:

"Production is not required to stop after a test strip has been constructed."

# **District Special Provisions**

59300

593.00

Designer Note: This special is for filling voids under bridge slope walls when making repairs or improvements to the structure. Consult with Mark Eckhoff before using this pay item. The quantity will be an estimate.

### **SLOPE WALL SLURRY PUMPING**

Effective July 31, 2020

Revised October 1, 2024

General: This work shall consist of the placement of a Culvert Liner Mix to fill voids under bridge concrete slope walls at locations shown in the plans and as directed by the Engineer.

Materials: The material shall be according to Article 593 of the Standard Specifications and utilize District 4's mix design 84PCC9994.

Construction: The placement of the Culvert Liner Mix may be by pumping or by chute. If required, the Contractor shall core or cut holes in the slope wall to facilitate placement of the material. The Contractor shall place forms, sandbags, or other means to confine the Culvert Liner Mix under the slope wall and to restrict seepage. Multiple lifts/placements may be required to allow the material to harden sufficiently between lifts/placements in order to prevent blow outs due to excessive head pressures.

Method of Measurement: This work will be measured for payment at the contract unit price per Cubic Yard (Cubic Meter). The measured volume shall be the actual volume of the void computed from field measurements.

Basis of Payment: This work will be paid for at the contract unit price per Cubic Yard (Cubic Meter) for SLOPE WALL SLURRY PUMPING.