



# Illinois Department of Transportation

## Memorandum

---

To: \*

From: Rich Dotson *RJD*

Subject: **Special Provision Changes**

Date: May 3, 2010

---

The following special provisions have been revised for the July 30, 2010 letting. Please revise your special provision books as indicated.

<b>Interim Special Provisions</b>	
<b>ISP Number</b>	<b>Description</b>
Alphabetic ISP Index (Revised)	Remove existing alphabetic index and insert revised index.
Numerical ISP Index (Revised)	Remove existing numeric index and insert revised index.
106.08 (New)	<b>"Certification of Metal Fabricator (BDE)"</b> Expands requirements to cover all fabricators of metal components.
107.01 (New)	<b>"Construction Air Quality – Diesel Retrofit (BDE)"</b> New requirements for older diesel equipment.
107.11b (Revised)	<b>"Railroad Protective Liability Insurance (5 and 10) (BDE)"</b> Revised list of rail companies.
250.00 (Revised)	<b>"Seeding (BDE)"</b> Revised testing requirements.
280.04 (Revised)	<b>"Temporary Erosion Control (BDE)"</b> Typo correction.
1020.00 (Revised)	<b>"Self-Consolidating Concrete for Precast Products (BDE)"</b> Removed the column segregation index and clarified mixing the self-consolidating concrete.
1020.01 (Revised)	<b>"Self-Consolidating Concrete for Cast-in-Place Construction (BDE)"</b> Removed the column segregation index and clarified mix design procedures.
1080.03 (Delete)	<b>"Filter Fabric (BDE)"</b> Deleted.

## District Special Provisions

District Number	Description
Alphabetic District Index (Revised)	Remove existing alphabetic index and insert revised index.
Numerical District Index (Revised)	Remove existing numeric index for Section 400 and insert revised index.
105.00 (New)	<b>“Construction Station Layout”</b> To be used when Contractor staking is not necessary or will not address the stationing of the project.
281.00 (New)	<b>“Grout for Use With Riprap”</b> New special to use when riprap needs to be held in place.
302.00 (Revised)	<b>“Soil Modification”</b> Minor revisions.
406.01 (New)	<b>“Anti-Strip Additive for Hot-Mix Asphalt”</b> New special to require the additive to be included in bid price.
407.13 (Revised)	<b>“Grooved-In Rumble Strip ”</b> Minor revisions.
407.14d (Revised)	<b>“Raised Rumble Strip”</b> Minor revisions.
683.00a (Delete)	<b>“Modular Retaining Wall System”</b> No longer needed because it is covered by GBSP #64 “Segmental Concrete Block Wall.”

## General Notes

District Number	Description
667.00 (Revised)	<b>“Setting of Section Corner Monumentation”</b> Minor revisions.

RD:kme\mgr1\winword\progdev\special provisions\interim spec provs\specprovchnsgsmemo.doc

### Attachment(s)

cc: \* J. Miller      Team 2      Team 6      Team 10      Galesburg Design (D. Painter)  
    K. Emert      Team 3      Team 7      Team 11      Local Roads (M. Augspurger)  
    T. Phillips    Team 4      Team 8      Geometrics    Materials (H. Shoup)  
    Team 1      Team 5      Team 9      Bridge (T. Inglis)

# **BDE Special Provisions Checklist**

**For July 30 and September 17, 2010 Letting**

Contract No.: \_\_\_\_\_

Letting: \_\_\_\_\_

**Note: Specials that go in every contract have already been marked with an "X" for you.**

**BDE SPECIAL PROVISIONS**  
For the July 30 and September 17, 2010 Lettings

The following special provisions indicated by an "x" are applicable to this contract and will be included by the Project Development and Implementation Section of the BD&E. An \* indicates a new or revised special provision for the letting.

<u>File Name</u>	<u>#</u>	<u>Special Provision Title</u>	<u>Effective</u>	<u>Revised</u>
80240	1	<input type="checkbox"/> Above Grade Inlet Protection	July 1, 2009	
80099	2	<input type="checkbox"/> Accessible Pedestrian Signals (APS)	April 1, 2003	Jan. 1, 2007
80243	3	<input type="checkbox"/> American Recovery and Reinvestment Act Provisions	April 1, 2009	
80236	4	<input type="checkbox"/> American Recovery and Reinvestment Act Signing	April 1, 2009	April 15, 2009
80186	5	<input type="checkbox"/> Alkali-Silica Reaction for Cast-in-Place Concrete	Aug. 1, 2007	Jan. 1, 2009
80213	6	<input type="checkbox"/> Alkali-Silica Reaction for Precast and Precast Prestressed Concrete	Jan. 1, 2009	
80207	7	<input checked="" type="checkbox"/> Approval of Proposed Borrow Areas, Use Areas, and/or Waste Areas Inside Illinois State Borders	Nov. 1, 2008	
80192	8	<input type="checkbox"/> Automated Flagger Assistance Device	Jan. 1, 2008	
80173	9	<input type="checkbox"/> Bituminous Materials Cost Adjustments	Nov. 2, 2006	April 1, 2009
80241	10	<input type="checkbox"/> Bridge Demolition Debris	July 1, 2009	
50261	11	<input type="checkbox"/> Building Removal-Case I (Non-Friable and Friable Asbestos)	Sept. 1, 1990	April 1, 2010
50481	12	<input type="checkbox"/> Building Removal-Case II (Non-Friable Asbestos)	Sept. 1, 1990	April 1, 2010
50491	13	<input type="checkbox"/> Building Removal-Case III (Friable Asbestos)	Sept. 1, 1990	April 1, 2010
50531	14	<input type="checkbox"/> Building Removal-Case IV (No Asbestos)	Sept. 1, 1990	April 1, 2010
80166	15	<input type="checkbox"/> Cement	Jan. 1, 2007	April 1, 2009
* 80260	16	<input type="checkbox"/> Certification of Metal Fabricator	July 1, 2010	
80198	17	<input type="checkbox"/> Completion Date (via calendar days)	April 1, 2008	
80199	18	<input type="checkbox"/> Completion Date (via calendar days) Plus Working Days	April 1, 2008	
80094	19	<input type="checkbox"/> Concrete Admixtures	Jan. 1, 2003	April 1, 2009
80214	20	<input type="checkbox"/> Concrete Gutter, Type A	Jan. 1, 2009	
80215	21	<input type="checkbox"/> Concrete Joint Sealer	Jan. 1, 2009	
80226	22	<input type="checkbox"/> Concrete Mix Designs	April 1, 2009	
* 80261	23	<input type="checkbox"/> Construction Air Quality – Diesel Retrofit	June 1, 2010	
80237	24	<input checked="" type="checkbox"/> Construction Air Quality – Diesel Vehicle Emissions Control	April 1, 2009	July 1, 2009
80239	25	<input checked="" type="checkbox"/> Construction Air Quality – Idling Restrictions	April 1, 2009	
80227	26	<input type="checkbox"/> Determination of Thickness	April 1, 2009	
80177	27	<input type="checkbox"/> Digital Terrain Modeling for Earthwork Calculations	April 1, 2007	
80029	28	<input type="checkbox"/> Disadvantaged Business Enterprise Participation	Sept. 1, 2000	Jan. 1, 2010
80178	29	<input type="checkbox"/> Dowel Bars	April 1, 2007	Jan. 1, 2008
80179	30	<input type="checkbox"/> Engineer's Field Office Type A	April 1, 2007	Aug. 1, 2008
80205	31	<input type="checkbox"/> Engineer's Field Office Type B	Aug. 1, 2008	
80189	32	<input checked="" type="checkbox"/> Equipment Rental Rates	Aug. 2, 2007	Jan. 2, 2008
80228	33	<input type="checkbox"/> Flagger at Side Roads and Entrances	April 1, 2009	
80249	34	<input type="checkbox"/> Frames and Grates	Jan. 1, 2010	
80229	35	<input type="checkbox"/> Fuel Cost Adjustment	April 1, 2009	July 1, 2009
80169	36	<input type="checkbox"/> High Tension Cable Median Barrier	Jan. 1, 2007	April 1, 2009
80194	37	<input type="checkbox"/> HMA – Hauling on Partially Completed Full-Depth Pavement	Jan. 1, 2008	
80245	38	<input type="checkbox"/> Hot-Mix Asphalt – Anti-Stripping Additive	Nov. 1, 2009	
80246	39	<input type="checkbox"/> Hot-Mix Asphalt – Density Testing of Longitudinal Joints	Jan. 1, 2010	
80250	40	<input type="checkbox"/> Hot-Mix Asphalt – Drop-Offs	Jan. 1, 2010	
80259	41	<input type="checkbox"/> Hot Mix Asphalt – Fine Aggregate	April 1, 2010	
80201	42	<input type="checkbox"/> Hot-Mix Asphalt – Plant Test Frequency	April 1, 2008	Jan. 1, 2010
80251	43	<input type="checkbox"/> Hot-Mix Asphalt – QC/QA Acceptance Criteria	Jan. 1, 2010	
80202	44	<input type="checkbox"/> Hot-Mix Asphalt – Transportation	April 1, 2008	
80109	45	<input type="checkbox"/> Impact Attenuators	Nov. 1, 2003	Nov. 1, 2008
80110	46	<input type="checkbox"/> Impact Attenuators, Temporary	Nov. 1, 2003	Jan. 1, 2007

Contract No.: \_\_\_\_\_

Letting: \_\_\_\_\_

**Note: Specials that go in every contract have already been marked with an "X" for you.**

File Name	#		<u>Special Provision Title</u>	<u>Effective</u>	<u>Revised</u>
80252	47	<input type="checkbox"/>	Improved Subgrade	Jan. 1, 2010	
80230	48	<input checked="" type="checkbox"/>	Liquidated Damages	April 1, 2009	
80196	49	<input type="checkbox"/>	Mast Arm Assembly and Pole	Jan. 1, 2008	Jan. 1, 2009
80045	50	<input type="checkbox"/>	Material Transfer Device	June 15, 1999	Jan. 1, 2009
80203	51	<input type="checkbox"/>	Metal Hardware Cast into Concrete	April 1, 2008	April 1, 2009
80165	52	<input type="checkbox"/>	Moisture Cured Urethane Paint System	Nov. 1, 2006	Jan. 1, 2010
80238	53	<input type="checkbox"/>	Monthly Employment Report	April 1, 2009	Jan. 1, 2010
80253	54	<input type="checkbox"/>	Movable Traffic Barrier System	Jan. 1, 2010	
80082	55	<input type="checkbox"/>	Multilane Pavement Patching	Nov. 1, 2002	
80180	56	<input checked="" type="checkbox"/>	National Pollutant Discharge Elimination System / Erosion and Sediment Control Deficiency Deduction	April 1, 2007	Nov. 1, 2009
80208	57	<input type="checkbox"/>	Nighttime Work Zone Lighting	Nov. 1, 2008	
80182	58	<input type="checkbox"/>	Notification of Reduced Width	April 1, 2007	
80069	59	<input type="checkbox"/>	Organic Zinc-Rich Paint System	Nov. 1, 2001	Jan. 1, 2010
80216	60	<input type="checkbox"/>	Partial Exit Ramp Closure for Freeway/Expressway	Jan. 1, 2009	
80231	61	<input type="checkbox"/>	Pavement Marking Removal	April 1, 2009	
80254	62	<input type="checkbox"/>	Pavement Patching	Jan. 1, 2010	
80022	63	<input checked="" type="checkbox"/>	Payments to Subcontractors	June 1, 2000	Jan. 1, 2006
80209	64	<input checked="" type="checkbox"/>	Personal Protective Equipment	Nov. 1, 2008	
80232	65	<input type="checkbox"/>	Pipe Culverts	April 1, 2009	April 1, 2010
80119	66	<input type="checkbox"/>	Polyurea Pavement Marking	April 1, 2004	Jan. 1, 2009
80210	67	<input type="checkbox"/>	Portland Cement Concrete Inlay or Overlay	Nov. 1, 2008	
80170	68	<input type="checkbox"/>	Portland Cement Concrete Plants	Jan. 1, 2007	
80217	69	<input type="checkbox"/>	Post Clips for Extruded Aluminum Signs	Jan. 1, 2009	
80171	70	<input type="checkbox"/>	Precast Handling Holes	Jan. 1, 2007	
80218	71	<input type="checkbox"/>	Preventive Maintenance – Bituminous Surface Treatment	Jan. 1, 2009	April 1, 2009
80219	72	<input type="checkbox"/>	Preventive Maintenance – Cape Seal	Jan. 1, 2009	April 1, 2009
80220	73	<input type="checkbox"/>	Preventive Maintenance – Micro-Surfacing	Jan. 1, 2009	
80221	74	<input type="checkbox"/>	Preventive Maintenance – Slurry Seal	Jan. 1, 2009	
80211	75	<input type="checkbox"/>	Prismatic Curb Reflectors	Nov. 1, 2008	
80015	76	<input type="checkbox"/>	Public Convenience and Safety	Jan. 1, 2000	
34261	77	<input type="checkbox"/>	Railroad Protective Liability Insurance	Dec. 1, 1986	Jan. 1, 2006
80157	78	<input type="checkbox"/>	Railroad Protective Liability Insurance (5 and 10)	Jan. 1, 2006	
80247	79	<input type="checkbox"/>	Raised Reflective Pavement Markers	Nov. 1, 2009	April 1, 2010
80223	80	<input type="checkbox"/>	Ramp Closure for Freeway/Expressway	Jan. 1, 2009	
80172	81	<input type="checkbox"/>	Reclaimed Asphalt Pavement (RAP)	Jan. 1, 2007	Jan. 1, 2010
80183	82	<input type="checkbox"/>	Reflective Sheeting on Channelizing Devices	April 1, 2007	Nov. 1, 2008
80206	83	<input type="checkbox"/>	Reinforcement Bars – Storage and Protection	Aug. 1, 2008	April 1, 2009
80224	84	<input type="checkbox"/>	Restoring Bridge Approach Pavements Using High-Density Foam	Jan. 1, 2009	
* 80131	85	<input type="checkbox"/>	Seeding	July 1, 2004	July 1, 2010
* 80152	86	<input type="checkbox"/>	Self-Consolidating Concrete for Cast-In-Place Construction	Nov. 1, 2005	July 1, 2010
* 80132	87	<input type="checkbox"/>	Self-Consolidating Concrete for Precast Products	July 1, 2004	July 1, 2010
80127	88	<input type="checkbox"/>	Steel Cost Adjustment	April 2, 2004	April 1, 2009
80255	89	<input type="checkbox"/>	Stone Matrix Asphalt	Jan. 1, 2010	
80234	90	<input type="checkbox"/>	Storm Sewers	April 1, 2009	April 1, 2010
80143	91	<input checked="" type="checkbox"/>	Subcontractor Mobilization Payments	April 2, 2005	
80075	92	<input type="checkbox"/>	Surface Testing of Pavements	April 1, 2002	Jan. 1, 2007
* 80087	93	<input type="checkbox"/>	Temporary Erosion Control	Nov. 1, 2002	July 1, 2010
80256	94	<input type="checkbox"/>	Temporary Longitudinal Traffic Barrier System	Jan. 1, 2010	
80225	95	<input type="checkbox"/>	Temporary Raised Pavement Marker	Jan. 1, 2009	
80176	96	<input type="checkbox"/>	Thermoplastic Pavement Markings	Jan. 1, 2007	
80257	97	<input type="checkbox"/>	Traffic Barrier Terminal, Type 6	Jan. 1, 2010	
20338	98	<input type="checkbox"/>	Training Special Provisions	Oct. 15, 1975	

Contract No.: \_\_\_\_\_

Letting: \_\_\_\_\_

**Note: Specials that go in every contract have already been marked with an "X" for you.**

<u>File Name</u>	<u>#</u>	<u>Special Provision Title</u>	<u>Effective</u>	<u>Revised</u>
80258	99	<input type="checkbox"/> Truck Mounted/Trailer Mounted Attenuators	Jan. 1, 2010	
80071	100	<input type="checkbox"/> Working Days	Jan. 1, 2002	

The following special provisions have been deleted from use:

80244 Filter Fabric

The following special provisions are in the 2010 Supplemental Specifications and Recurring Special Provisions:

<u>File Name</u>	<u>Special Provision Title</u>	<u>New Location</u>	<u>Effective</u>	<u>Revised</u>
80193	Concrete Barrier	Section 637	Jan. 1, 2008	
80175	Epoxy Pavement Markings	Section 1095	Jan. 1, 2007	
80181	Hot-Mix Asphalt – Field Voids in the Mineral Aggregate	Section 1030	April 1, 2007	April 1, 2008
80136	Hot-Mix Asphalt Mixture IL-4.75	Sections 406, 1003, 1030, 1032 and 1102	Nov. 1, 2004	Jan. 1, 2008
80195	Hot-Mix Asphalt Mixture IL-9.5L	Sections 1004 and 1030	Jan. 1, 2008	
80129	Notched Wedge Longitudinal Joint	Section 406	July 1, 2004	Jan. 1, 2007
80235	Payrolls and Payroll Records	Check Sheets #1 and #5	Mar. 1, 2009	July 1, 2009
80134	Plastic Blockouts for Guardrail	Section 630	Nov. 1, 2004	Jan. 1, 2007
80151	Reinforcement Bars	Section 1006	Nov. 1, 2005	April 1, 2009
80184	Retroreflective Sheeting, Nonreflective Sheeting, and Translucent Overlay Film for Highway Signs	Sections 1090, 1091, 1092 and 1093	April 1, 2007	
80212	Sign Panels and Sign Panel Overlays	Supplemental	Nov. 1, 2008	
80197	Silt Filter Fence	Sections 1080 and 1081	Jan. 1, 2008	
80153	Steel Plate Beam Guardrail	Section 1006	Nov. 1, 2005	Aug. 1, 2007
80191	Stone Gradation Testing	Section 1005	Nov. 1, 2007	
80185	Type ZZ Retroreflective Sheeting, Nonreflective Sheeting, and Translucent Overlay Film for Highway Signs	Sections 1090, 1091, 1092 and 1093	April 1, 2007	
80149	Variable Spaced Tining	Section 420	Aug. 1, 2005	Jan. 1, 2007
80204	Woven Wire Fence	Section 1006	April 1, 2008	

The following special provisions require additional information from the designer. The additional information needs to be included in a separate document attached to this check sheet. The Project Development and Implementation section will then include the information in the applicable special provision. The Special Provisions are:

- Bridge Demolition Debris
- Building Removal-Case I
- Building Removal-Case II
- Building Removal-Case III
- Building Removal-Case IV
- Completion Date
- Completion Date Plus Working Days
- DBE Participation
- Material Transfer Device
- Railroad Protective Liability Insurance
- Training Special Provisions
- Working Days

**Index for  
Supplemental Specifications  
and  
Recurring Special Provisions**

INDEX  
FOR  
SUPPLEMENTAL SPECIFICATIONS  
AND RECURRING SPECIAL PROVISIONS

Adopted January 1, 2010

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

ERRATA          Standard Specifications for Road and Bridge Construction (Adopted 1-1-07) (Revised 1-1-10)

SUPPLEMENTAL SPECIFICATIONS

<u>Std. Spec. Sec.</u>	<u>Page No.</u>
201 Clearing, Tree Removal and Protection .....	1
205 Embankment .....	2
251 Mulch .....	3
253 Planting Woody Plants .....	4
280 Temporary Erosion Control .....	6
406 Hot-Mix Asphalt Binder and Surface Course .....	7
443 Reflective Crack Control Treatment .....	12
502 Excavation for Structures .....	15
503 Concrete Structures .....	16
504 Precast Concrete Structures .....	17
505 Steel Structures .....	18
540 Box Culverts .....	19
581 Waterproofing Membrane System .....	20
630 Steel Plate Beam Guardrail .....	21
633 Removing and Reerecting Guardrail and Terminals .....	22
637 Concrete Barrier .....	23
669 Removal and Disposal of Regulated Substances .....	24
672 Sealing Abandoned Water Wells .....	25
701 Work Zone Traffic Control and Protection .....	26
720 Sign Panels and Appurtenances .....	27
721 Sign Panel Overlay .....	28
722 Demountable Sign Legend Characters and Arrows .....	29
726 Mile Post Marker Assembly .....	30
733 Overhead Sign Structures .....	31
783 Pavement Marking and Marker Removal .....	32
801 Electrical Requirements .....	33
805 Electrical Service Installation – Traffic Signals .....	34
836 Pole Foundation .....	35
838 Breakaway Devices .....	36
862 Uninterruptable Power Supply .....	37
873 Electric Cable .....	39
878 Traffic Signal Concrete Foundation .....	41
1003 Fine Aggregates .....	42
1004 Coarse Aggregates .....	43
1005 Stone and Broken Concrete .....	44
1006 Metals .....	45
1008 Structural Steel Coatings .....	47
1010 Finely Divided Materials .....	48
1020 Portland Cement Concrete .....	49
1022 Concrete Curing Materials .....	58
1024 Nonshrink Grout .....	59
1030 Hot-Mix Asphalt .....	60
1032 Bituminous Materials .....	65



1042	Precast Concrete Products .....	68
1062	Reflective Crack Control System .....	70
1069	Pole and Tower .....	72
1074	Control Equipment .....	75
1076	Wire and Cable .....	80
1080	Fabric Materials .....	81
1081	Materials for Planting .....	82
1083	Elastomeric Bearings .....	84
1090	Sign Base .....	85
1091	Sign Face .....	87
1092	Sign Legend and Supplemental Panels .....	95
1093	Sign Supports .....	96
1094	Overhead Sign Structures .....	98
1095	Pavement Markings .....	104
1101	General Equipment .....	106
1102	Hot-Mix Asphalt Equipment .....	107
1103	Portland Cement Concrete Equipment .....	109
1106	Work Zone Traffic Control Devices .....	110

## RECURRING SPECIAL PROVISIONS

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

<u>CHECK SHEET #</u>	<u>PAGE</u>
<u>NO.</u>	
1	Additional State Requirements For Federal-Aid Construction Contracts (Eff. 2-1-69) (Rev. 1-1-10) ..... 111
2	Subletting of Contracts (Federal-Aid Contracts) (Eff. 1-1-88) (Rev. 5-1-93) ..... 114
3	EEO (Eff. 7-21-78) (Rev. 11-18-80) ..... 115
4	Specific Equal Employment Opportunity Responsibilities Non Federal-Aid Contracts (Eff. 3-20-69) (Rev. 1-1-94) ..... 125
5	Required Provisions - State Contracts (Eff. 4-1-65) (Rev. 1-1-10) ..... 130
6	Reserved ..... 135
7	Reserved ..... 136
8	Haul Road Stream Crossings, Other Temporary Stream Crossings, and In-Stream Work Pads (Eff. 1-2-92) (Rev. 1-1-98) ..... 137
9	Construction Layout Stakes Except for Bridges (Eff. 1-1-99) (Rev. 1-1-07) ..... 138
10	Construction Layout Stakes (Eff. 5-1-93) (Rev. 1-1-07) ..... 141
11	Use of Geotextile Fabric for Railroad Crossing (Eff. 1-1-95) (Rev. 1-1-07) ..... 144
12	Subsealing of Concrete Pavements (Eff. 11-1-84) (Rev. 1-1-07) ..... 146
13	Hot-Mix Asphalt Surface Correction (Eff. 11-1-87) (Rev. 1-1-09) ..... 150
14	Pavement and Shoulder Resurfacing (Eff. 2-1-00) (Rev. 1-1-09) ..... 152
15	PCC Partial Depth Hot-Mix Asphalt Patching (Eff. 1-1-98) (Rev. 1-1-07) ..... 153
16	Patching with Hot-Mix Asphalt Overlay Removal (Eff. 10-1-95) (Rev. 1-1-07) ..... 155
17	Polymer Concrete (Eff. 8-1-95) (Rev. 1-1-08) ..... 156
18	PVC Pipeliner (Eff. 4-1-04) (Rev. 1-1-07) ..... 158
19	Pipe Underdrains (Eff. 9-9-87) (Rev. 1-1-07) ..... 159
20	Guardrail and Barrier Wall Delineation (Eff. 12-15-93) (Rev. 1-1-97) ..... 160
21	Bicycle Racks (Eff. 4-1-94) (Rev. 1-1-07) ..... 164
22	Temporary Modular Glare Screen System (Eff. 1-1-00) (Rev. 1-1-07) ..... 166
23	Temporary Portable Bridge Traffic Signals (Eff. 8-1-03) (Rev. 1-1-07) ..... 168
24	Work Zone Public Information Signs (Eff. 9-1-02) (Rev. 1-1-07) ..... 170
25	Night Time Inspection of Roadway Lighting (Eff. 5-1-96) ..... 171
26	English Substitution of Metric Bolts (Eff. 7-1-96) ..... 172
27	English Substitution of Metric Reinforcement Bars (Eff. 4-1-96) (Rev. 1-1-03) ..... 173
28	Calcium Chloride Accelerator for Portland Cement Concrete (Eff. 1-1-01) ..... 174
29	Reserved ..... 175
30	Quality Control of Concrete Mixtures at the Plant (Eff. 8-1-00) (Rev. 1-1-09) ..... 176
31	Quality Control/Quality Assurance of Concrete Mixtures (Eff. 4-1-92) (Rev. 1-1-09) ..... 184
32	Asbestos Bearing Pad Removal (Eff. 11-1-03) ..... 196
33	Asbestos Hot-Mix Asphalt Surface Removal (Eff. 6-1-89) (Rev. 1-1-09) ..... 197

# **BDE Special Provisions**

## **Alphabetic 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>
280.02	28002	Above Grade Inlet Protection
888.00	88800	Accessible Pedestrian Signals (APS)
1020.02	102002	Alkali-Silica Reaction for Cast-in-Place Concrete
1020.03	102003	Alkali-Silica Reaction for Precast and Precast Prestressed Concrete
109.12	10912	American Recovery and Reinvestment Act Provisions
701.04	70104	American Recovery and Reinvestment Act Signing
107.22	10722	Approval of Proposed Borrow Areas, Use Areas, and/or Waste Areas Inside Illinois State Borders
701.00	70100	Automated Flagger Assistance Devices
109.01	10901	Bituminous Materials Cost Adjustment
107.38	10738	Bridge Demolition Debris
107.19a	10719a	Building Removal Case I
107.19b	10719b	Building Removal Case II
107.19c	10719c	Building Removal Case III
107.19d	10719d	Building Removal Case IV
1001.00	100100	Cement
106.08	10608	Certification of Metal Fabricators
108.05a	10805a	Completion Date (Via Calendar Days)
108.05b	10805b	Completion Date (Via Calendar Days) Plus working Days
1020.05b	102005b	Concrete Admixtures
606.07	60607	Concrete Gutter, Type A
503.19	50319	Concrete Joint Sealer

REVISED INDEX

04/30/10

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

<u>Standard Spec. No.</u>	<u>PC No.</u>	<u>Item</u>
1020.05c	102005c	Concrete Mix Designs
107.00	10700	Construction Air Quality – Diesel Vehicle Emissions Control
107.01	10701	Construction Air Quality – Diesel Retrofit
107.37	10737	Construction air Quality – Idling Restrictions
353.00	35300	Determination of Thickness
202.07	20207	Digital Terrain Modeling for Earthwork Calculations
108.06a	10806a	Disadvantaged Business Enterprise Participation
1006.11	100611	Dowel Bars
670.02	67002	Engineer's Field Office, Type A
670.03	67003	Engineer's Field Office, Type B
109.04	10904	Equipment Rental Rates
701.13	70113	Flagger at Side Roads and Entrances
609.02	60902	Frames and Grates
109.03	10903	Fuel Cost Adjustment
643.00	64300	High Tension Cable Median Barrier
407.08	40708	HMA-Hauling on Partially Completed Full-Depth Pavement
1030.04c	103004c	Hot-Mix Asphalt – Anti-Stripping Additive
406.07	40607	Hot-Mix Asphalt-Density Testing of Longitudinal Joints
701.07a	70107a	Hot-Mix Asphalt Drop-Offs
1003.01	100301	Hot-Mix Asphalt – Fine Aggregate
1030.04	103004	Hot-Mix Asphalt – Plant Test Frequency
1030.05	103005	Hot-Mix Asphalt – QC/QA Acceptance Criteria
1030.08	103008	Hot-Mix Asphalt - Transportation
702.00c	70200c	Impact Attenuators

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

<u>Standard Spec. No.</u>	<u>PC No.</u>	<u>Item</u>
702.00d	70200d	Impact Attenuators, Temporary
302.04	30204	Improved Subgrade
108.09	10809	Liquidated Damages
1106.02k	110602k	Longitudinal Temporary Traffic Barrier System
1077.03	107703	Mast Arm Assembly and Pole
406.00f	40600f	Material Transfer Device
503.02	50302	Metal Hardware Cast into Concrete
1008.27	100827	Moisture Cured Urethane Paint System
109.11	10911	Monthly Employment Report
1106.02l	110602l	Movable Traffic Barrier System
442.08	44208	Multilane Pavement Patching
105.03	10503	National Pollutant Discharge Elimination System / Erosion and Sediment Control Deficiency Deduction
701.01	70101	Nighttime Work Zone Lighting
701.06	70106	Notification of Reduced Width
1008.26	100826	Organic Zinc-Rich Paint System
701.07	70107	Partial Exit Ramp Closure for Freeway/Expressway
783.03	78303	Pavement Marking Removal
701.17	70117	Pavement Patching
109.07	10907	Payments to Subcontractors
701.12	70112	Personal Protective Equipment
542.03	54203	Pipe Culverts
780.00	78000	Polyurea Pavement Marking
420.00	42000	Portland Cement Concrete Inlay or Overlay

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

Standard Spec. No.	PC No.	Item
1020.11	102011	Portland Cement Concrete Plants
1090.03	109003	Post Clips for Extruded Aluminum Signs
540.02	54002	Precast Concrete Handling Holes
400.04	40004	Preventive Maintenance - Bituminous Surface Treatment
400.01	40001	Preventive Maintenance – Cape Seal
400.02	40002	Preventive Maintenance – Micro-Surfacing
400.03	40003	Preventive Maintenance – Slurry Seal
782.03	78203	Prismatic Curb Reflectors
107.09	10709	Public Convenience and Safety
107.11	10711a	Railroad Protective Liability Insurance
107.11	10711b	Railroad Protective Liability Insurance (5 and 10)
781.03	78103	Raised Reflective Pavement Markers
701.02	70102	Ramp Closure for Freeway/Expressway
1031.00	103100	Reclaimed Asphalt Pavement (RAP)
1106.02	110602	Reflective Sheeting on Channelizing Devices
420.16	42016	Restoring Bridge Approach Pavements Using High-Density Foam
250.00	25000	Seeding
1020.01	102001	Self-Consolidating Concrete for Cast-in-Place Construction
1020.00	102000	Self-Consolidating Concrete for Precast Products
109.00	10900a	Steel Cost Adjustment
406.06	40606	Stone Matrix Asphalt
508.03	50803	Storage and Protection of Reinforcement Bars
550.02	55002	Storm Sewers
671.00	67100	Subcontractor Mobilization Payments

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

Standard Spec. No.	PC No.	Item
406.21	40621	Surface Testing of Pavements
280.04	28004	Temporary Erosion Control
703.00	70300	Temporary Raised Pavement Marker
1095.01	109501	Thermoplastic Pavement Markings
631.07	63107	Traffic Barrier Terminal, Type 6
108.06	10806	Training Special Provision
701.03	70103	Truck Mounted/Trailer Mounted Attenuators
108.05	10805	Working Days



# **BDE Special Provisions**

## **Numeric Index**

REVISED INDEX

## NUMERIC 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>
105.03	10503	National Pollutant Discharge Elimination System / Erosion and Sediment Control Deficiency Deduction
106.08	10608	Certification of Metal Fabricator
107.00	10700	Construction Air Quality – Diesel Vehicle Emissions Control
107.01	10701	Construction Air Quality – Diesel Retrofit
107.09	10709	Public Convenience and Safety
107.11a	10711a	Railroad Protective Liability Insurance
107.11b	10711b	Railroad Protective Liability Insurance (5 and 10)
107.19a	10719a	Building Removal Case I
107.19b	10719b	Building Removal Case II
107.19c	10719c	Building Removal Case III
107.19d	10719d	Building Removal Case IV
107.22	10722	Approval of Proposed Borrow Areas, Use Areas, and/or Waste Areas Inside Illinois State Borders
107.37	10737	Construction Air Quality – Idling Restrictions
107.38	10738	Bridge Demolition Debris
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
108.09	10809	Liquidated Damages

NUMERIC DESIGN INTERIM SPECIAL PROVISIONS (ISP's)

<u>Standard Spec. No.</u>	<u>PC No.</u>	<u>Item</u>
109.00a	10900a	Steel Cost Adjustment
109.01	10901	Bituminous Materials Cost Adjustments
109.03	10903	Fuel Cost Adjustment
109.04	10904	Equipment Rental Rates
109.07	10907	Payments to Subcontractors
109.11	10911	Monthly Employment Report
109.12	10912	American Recovery and Reinvestment Act Provisions
202.07	20207	Digital Terrain Modeling for Earthwork Calculations
250.00	25000	Seeding
280.02	28002	Above Grade Inlet Protection
280.04	28004	Temporary Erosion Control
302.04	30204	Improved Subgrade
353.00	35300	Determination of Thickness
400.01	40001	Preventive Maintenance – Cape Seal
400.02	40002	Preventive Maintenance – Micro-Surfacing
400.03	40003	Preventive Maintenance – Slurry Seal
400.04	40004	Preventive Maintenance – Bituminous Surface Treatment
406.00f	40600f	Material Transfer Device
406.06	40606	Stone Matrix Asphalt
406.07	40607	Hot-Mix Asphalt – Density Testing of Longitudinal Joints
406.21	40621	Surface Testing of Interstate Pavements
407.08	40708	HMA-Hauling on Partially Completed Full-Depth Pavement
420.00	42000	Portland Cement Concrete Inlay or Overlay
420.16	42016	Restoring Bridge Approach Pavements Using High-Density Foam

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

<u>Standard Spec. No.</u>	<u>PC No.</u>	<u>Item</u>
442.08	44208	Multilane Pavement Patching
503.02	50302	Metal Hardware Cast Into Concrete
503.19	50319	Concrete Joint Sealer
508.03	50803	Storage and Protection of Reinforcement Bars
540.02	54002	Precast Concrete Handling Holes
542.03	54203	Pipe Culverts
550.02	55002	Storm Sewers
606.07	60607	Concrete Gutter, Type A
609.02	60902	Frames and Grates
631.07	63107	Traffic Barrier Terminal, Type 6
643.00	64300	High Tension Cable Median Barrier
670.02	67002	Engineers Field Office Type A
670.03	67003	Engineers Field Office Type B
671.00	67100	Subcontractor Mobilization Payments
701.00	70100	Automated Flagger Assistance Devices
701.01	70101	Nighttime Work Zone Lighting
701.02	70102	Ramp Closure for Freeway/Expressway
701.03	70103	Truck Mounted/Trailer Mounted Attenuators
701.04	70104	American Recovery and Reinvestment Act Signing
701.06	70106	Notification of Reduced Width
701.07	70107	Partial Exit Ramp Closure for Freeway/Expressway
701.07a	70107a	Hot-Mix Asphalt – Drop-Offs
701.12	70112	Personal Protective Equipment
701.13	70113	Flagger at Side Roads and Entrances
701.17	70117	Pavement Patching

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

<u>Standard Spec. No.</u>	<u>PC No.</u>	<u>Item</u>
702.00c	70200c	Impact Attenuators
702.00d	70200d	Impact Attenuators, Temporary
703.00	70300	Temporary Raised Pavement Marker
780.00	78000	Polyurea Pavement Marking
781.03	78103	Raised Reflective Pavement Markers
782.03	78203	Prismatic Curb Reflectors
783.03	78303	Pavement Marking Removal
888.00	88800	Accessible Pedestrian Signals (APS)
1001.00	100100	Cement
1003.01	100301	Hot-Mix Asphalt – Fine Aggregate
1006.11	100611	Dowel Bars
1008.26	100826	Organic Zinc-Rich Paint System
1008.27	100827	Moisture Cured Urethane Paint System
1020.00	102000	Self-Consolidating Concrete for Precast Products
1020.01	102001	Self-Consolidating Concrete for Cast-in-Place Construction
1020.02	102002	Alkali-Silica Reaction for Cast-in-Place Concrete
1020.03	102003	Alkali-Silica Reaction for Precast and Precast Prestressed Concrete
1020.05b	102005b	Concrete Admixtures
1020.05c	102005c	Concrete Mix Designs
1020.11	102011	Portland Cement Concrete Plants
1030.04	103004	Hot-Mix Asphalt – Plant Test Frequency
1030.04c	103004c	Hot-Mix Asphalt – Anti-Stripping Additive
1030.05	103005	Hot-Mix Asphalt – QC/QA Acceptance Criteria
1030.08	103008	Hot-Mix Asphalt - Transportation
1031.00	103100	Reclaimed Asphalt Pavement (RAP)

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

<u>Standard Spec. No.</u>	<u>PC No.</u>	<u>Item</u>
1077.03	107703	Mast Arm Assembly and Pole
1090.03	109003	Post Clips for Extruded Aluminum Signs
1095.01	1095.01	Thermoplastic Pavement Markings
1106.02	110602	Reflective Sheeting on Channelizing Devices
1106.02k	110602k	Longitudinal Temporary Traffic Barrier System
1106.02l	110602l	Movable Traffic Barrier System

## **BDE Special Provisions**

Designer Note: Insert into contracts with welded plate girders, box girders, trusses, arches, rolled beam structures and (steel) overhead sign structures; bracing not designed for primary loads (diaphragms, cross frames and lateral bracing); camera, light, sign and signal support structures (aluminum included); bridge rail; stairs; walkways; grid decks; drains; scuppers; expansion joints; bearings; ballast plates; mechanical movable bridge equipment, high mast light towers; and high load multi-rotational (HLMR) bearings.

### **CERTIFICATION OF METAL FABRICATOR (BDE)**

Effective: July 1, 2010

Revise Article 106.08 of the Standard Specifications to read:

**"106.08 Certification of Metal Fabricator.** All fabricators performing work on metal components of structures shall be certified under the appropriate category of the AISC Quality Certification Program as follows.

- (a) Fabricators of the main load carrying steel components of welded plate girder, box girder, truss, and arch structures shall be certified under Category MBr (Major Steel Bridges).
- (b) Fabricators of the main load carrying steel components of rolled beam structures, either simple span or continuous, and overhead sign structures shall be certified under Category SBr (Simple Steel Bridges).

Fabricators of steel or other non-ferrous metal components of structures not certified under (a) or (b) above shall be certified under the program for Bridge and Highway Metal Component Manufacturers."



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

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

Effective: June 1, 2010

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 using the phased in approach shown below. Equipment that is of a model year older than the year given for that equipment's respective horsepower range shall be retrofitted:

Effective Dates	Horsepower Range	Model Year
June 1, 2010 <sup>1/</sup>	600-749	2002
	750 and up	2006
June 1, 2011 <sup>2/</sup>	100-299	2003
	300-599	2001
	600-749	2002
	750 and up	2006
June 1, 2012 <sup>2/</sup>	50-99	2004
	100-299	2003
	300-599	2001
	600-749	2002
	750 and up	2006

1/ Effective dates apply to Contractor diesel powered off-road equipment assigned to the contract.

2/ Effective dates apply to Contractor and subcontractor diesel powered off-road equipment assigned to the contract.

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* (<http://www.epa.gov/otaq/retrofit/verif-list.htm>), or verified by the California Air Resources Board (CARB) (<http://www.arb.ca.gov/diesel/verde/verdev.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.

Inform Sue Eckhoff (Railroad Coordinator) when this item has been revised.

Designer Notes: This special provision will be required in your contract if the construction work in any way is on, over, under, or abuts the railroad right-of-way of a Class 1 railroad. All resurfacing projects that abut the railroad tracks will also require this special provision. A railroad agreement may be necessary and a minimum one (1) year lead time is required to develop and obtain approval. Class 1 railroads include the following:

The Belt Railway Company of Chicago  
The Burlington Northern & Santa Fe Railway Company  
Chicago, Central & Pacific Railroad Company and Its Parents  
Canadian National  
Canadian Pacific Railway/Soo Line  
CSX Transportation, Inc.  
Dakota, Minnesota, and Eastern Railroad  
Elgin, Joliet and Eastern Railway Company and Its Parents  
Grand Trunk Western Railroad Inc. and Its Parents  
Illinois Central Railway Co. and Its Parents  
Indiana Harbor Belt Railroad Company  
Kansas City Southern Railway Company/Gateway Western  
Metra \*  
Norfolk Southern Railway Company  
Soo Line  
Union Pacific Railroad Company  
Wisconsin Central Ltd. and Its Parents  
Wisconsin Central Chicago Link Ltd.

Discuss use of this railroad special provision with the District Railroad Coordinator and your Project Engineer.

## RAILROAD PROTECTIVE LIABILITY INSURANCE (5 and 10) (BDE)

Effective: January 1, 2006

Description. Railroad Protective Liability and Property Damage Liability Insurance shall be carried according to Article 107.11 of the Standard Specifications, except the limits shall be a minimum of \$5,000,000 combined single limit per occurrence for bodily injury liability and property damage liability with an aggregate limit of \$10,000,000 over the life of the policy. A separate policy is required for each railroad unless otherwise noted.

---

NAMED INSURED & ADDRESS	NUMBER & SPEED OF PASSENGER TRAINS	NUMBER & SPEED OF FREIGHT TRAINS
-------------------------	------------------------------------	----------------------------------

---

DOT/AAR No.:

RR Division:

RR Mile Post:

RR Sub-Division:

For Freight/Passenger Information Contact:

For Insurance Information Contact:

Phone:

Phone:

---

DOT/AAR No.:

RR Division:

RR Mile Post:

RR Sub-Division:

For Freight/Passenger Information Contact:

For Insurance Information Contact:

Phone:

Phone:

---

Approval of Insurance. The original and one certified copy of each required policy shall be submitted to the following address for approval:

Illinois Department of Transportation  
Bureau of Design and Environment  
2300 South Dirksen Parkway, Room 326  
Springfield, Illinois 62764

The Contractor will be advised when the Department has received approval of the insurance from the railroad(s). Before any work begins on railroad right-of-way, the Contractor shall submit to the Engineer evidence that the required insurance has been approved by the railroad(s). The Contractor shall also provide the Engineer with the expiration date of each required policy.

Basis of Payment. Providing Railroad Protective Liability and Property Damage Liability Insurance will be paid for at the contract unit price per Lump Sum for RAILROAD PROTECTIVE LIABILITY INSURANCE.

Designer Note: Insert into all contracts with permanent seeding.

### SEEDING (BDE)

Effective: July 1, 2004

Revised: July 1, 2010

Revise the following seeding mixtures shown in Table 1 of Article 250.07 of the Standard Specifications to read:

"Table 1 - SEEDING MIXTURES		
Class – Type	Seeds	lb/acre (kg/hectare)
1A Salt Tolerant Lawn Mixture 7/	Bluegrass Perennial Ryegrass Red Fescue (Audubon, Sea Link, or Epic) Hard Fescue (Rescue 911, Spartan II, or Reliant IV) Fults Salt Grass 1/ or Salty Alkaligrass	60 (70) 20 (20) 20 (20) 20 (20) 60 (70)
2 Roadside Mixture 7/	Tall Fescue (Inferno, Tarheel II, Quest, Blade Runner, or Falcon IV) Perennial Ryegrass Creeping Red Fescue Red Top	100 (110) 50 (55) 40 (50) 10 (10)
2A Salt Tolerant Roadside Mixture 7/	Tall Fescue (Inferno, Tarheel II, Quest, Blade Runner, or Falcon IV) Perennial Ryegrass Red Fescue (Audubon, Sea Link, or Epic) Hard Fescue (Rescue 911, Spartan II, or Reliant IV) Fults Salt Grass 1/ or Salty Alkaligrass	60 (70) 20 (20) 30 (20) 30 (20) 60 (70)
3 Northern Illinois Slope Mixture 7/	Elymus Canadensis (Canada Wild Rye) Perennial Ryegrass Alsike Cover 2/ Desmanthus Illinoensis (Illinois Bundleflower) 2/, 5/ Andropogon Scoparius (Little Bluestem) 5/ Bouteloua Curtipendula (Side-Oats Grama) Fults Salt Grass 1/ or Salty Alkaligrass Oats, Spring Slender Wheat Grass 5/ Buffalo Grass (Cody or Bowie) 4/, 5/, 9/	5 (5) 20 (20) 5 (5) 2 (2) 12 (12) 10 (10) 30 (35) 50 (55) 15 (15) 5 (5)

"Table 1 - SEEDING MIXTURES			
6A	Salt Tolerant Conservation Mixture	Andropogon Scoparius (Little Bluestem) 5/	5 (5)
		Elymus Canadensis (Canada Wild Rye) 5/	2 (2)
		Buffalo Grass (Cody or Bowie) 4/, 5/, 9/	5 (5)
		Vernal Alfalfa 2/	15 (15)
		Oats, Spring	48 (55)
		Fults Salt Grass 1/ or Salty Alkaligrass	20 (20)"

Revise Note 7 of Table 1 – Seeding Mixtures of Article 250.07 of the Standard Specifications to read:

"7/ In Districts 1 through 6, the planting times shall be April 1 to June 15 and August 1 to November 1. In Districts 7 through 9, the planting times shall be March 1 to June 1 and August 1 to November 15. Seeding may be performed outside these dates provided the Contractor guarantees a minimum of 75 percent uniform growth over the entire seeded area(s) after a period of establishment. Inspection dates for the period of establishment will be as follows: Seeding conducted in Districts 1 through 6 between June 16 and July 31 will be inspected after April 15 and seeding conducted between November 2 and March 31 will be inspected after September 15. Seeding conducted in Districts 7 through 9 between June 2 and July 31 will be inspected after April 15 and seeding conducted between November 16 and February 28 will be inspected after September 15. The guarantee shall be submitted to the Engineer in writing prior to performing the work. After the period of establishment, areas not exhibiting 75 percent uniform growth shall be interseeded or reseeded, as determined by the Engineer, at no additional cost to the Department."

Revise the first paragraph of Article 1081.04(a) of the Standard Specifications to read:

"(a) Sampling and Testing. Each lot of seed furnished shall be tested by a State Agriculture Department (including other States) or by land grant college or university agricultural sections or by a Registered Seed Technologist. Germination testing of seed shall be accomplished within the 12 months prior to the seed being installed on the project."

Delete the last sentence of the first paragraph of Article 1081.04(c)(2) of the Standard Specifications.

Revise Table II of Article 1081.04(c)(6) of the Standard Specifications to read:

TABLE II						
Variety of Seeds	Hard Seed % Max.	Purity % Min.	Pure Live Seed % Min.	Weed % Max.	Secondary * Noxious Weeds No. per oz (kg) Max. Permitted	Notes
Alfalfa	20	92	89	0.50	6 (211)	1/
Clover, Alsike	15	92	87	0.30	6 (211)	2/
Red Fescue, Audubon	0	97	82	0.10	3 (105)	-
Red Fescue, Creeping	-	97	82	1.00	6 (211)	-
Red Fescue, Epic	-	98	83	0.05	1 (35)	-
Red Fescue, Sea Link	-	98	83	0.10	3 (105)	-
Tall Fescue, Blade Runner	-	98	83	0.10	2 (70)	-
Tall Fescue, Falcon IV	-	98	83	0.05	1 (35)	-
Tall Fescue, Inferno	0	98	83	0.10	2 (70)	-
Tall Fescue, Tarheel II	-	97	82	1.00	6 (211)	-
Tall Fescue, Quest	0	98	83	0.10	2 (70)	-
Fults Salt Grass	0	98	85	0.10	2 (70)	-
Salty Alkaligrass	0	98	85	0.10	2 (70)	-
Kentucky Bluegrass	-	97	80	0.30	7 (247)	4/
Oats	-	92	88	0.50	2 (70)	3/
Redtop	-	90	78	1.80	5 (175)	3/
Ryegrass, Perennial, Annual	-	97	85	0.30	5 (175)	3/
Rye, Grain, Winter	-	92	83	0.50	2 (70)	3/
Hard Fescue, Reliant IV	-	98	83	0.05	1 (35)	-
Hard Fescue, Rescue 911	0	97	82	0.10	3 (105)	-
Hard Fescue, Spartan II	-	98	83	0.10	3 (105)	-
Timothy	-	92	84	0.50	5 (175)	3/
Wheat, hard Red Winter	-	92	89	0.50	2 (70)	3/

Revise the first sentence of the first paragraph of Article 1081.04(c)(7) of the Standard Specifications to read:

“The seed quantities indicated per acre (hectare) for Prairie Grass Seed in Classes 3, 3A, 4, 4A, 6, and 6A in Article 250.07 shall be the amounts of pure, live seed per acre (hectare) for each species listed.”

Designer Note: Insert into all contracts utilizing temporary erosion control.

**TEMPORARY EROSION CONTROL (BDE)**

Effective: November 1, 2002

Revised: July 1, 2010

Add the following to Article 280.02 of the Standard Specifications to read:

“(k) Filter Fabric .....1080.03”

Revise the third paragraph of Article 280.03 of the Standard Specifications to read:

“Erosion control systems shall be installed prior to beginning any activities which will potentially create erodible conditions. Erosion control systems for areas outside the limits of construction such as storage sites, plant sites, waste sites, haul roads, and Contractor furnished borrow sites shall be installed prior to beginning soil disturbing activities at each area. These offsite systems shall be designed by the Contractor and be subject to the approval of the Engineer.”

Add the following paragraph after the third paragraph of Article 280.03 of the Standard Specifications:

“The temporary erosion and sediment control systems shown on the plans represent the minimum systems anticipated for the project. Conditions created by the Contractor’s operations, or for the Contractor’s convenience, which are not covered by the plans, shall be protected as directed by the Engineer at no additional cost to the Department. Revisions or modifications of the erosion and sediment control systems shall have the Engineer’s written approval.”

Revise Article 280.04(a) of the Standard Specifications to read:

“(a) Temporary Ditch Checks. This system consists of the construction of temporary ditch checks to prevent siltation, erosion, or scour of ditches and drainage ways. Temporary ditch checks shall be constructed with rolled excelsior, products from the Department’s approved list, or with aggregate placed on filter fabric when specified. Filter fabric shall be installed according to the requirements of Section 282. Riprap shall be placed according to Article 281.04. Manufactured ditch checks shall be installed according to the manufacturer’s specifications. Spacing of ditch checks shall be such that the low point in the center of one ditch check is at the same elevation as the base of the ditch check immediately upstream. Temporary ditch checks shall be sufficiently long enough that the top of the device in the middle of the ditch is lower than the bottom of the terminating ends of the ditch side slopes.”

Revise the last sentence of the first paragraph of Article 280.04(g) of the Standard Specifications to read:

“The temporary mulch cover shall be according to either Article 251.03 or 251.04 except for any reference to seeding.”



Revise Article 280.07(b) of the Standard Specifications to read:

“(b) Temporary Ditch Checks. This work will be measured for payment along the long axis of the device in place in feet (meters) except for aggregate ditch checks which will be measured for payment in tons (metric tons). Payment will not be made for aggregate in excess of 108 percent of the amount specified by the Engineer.”

Revise Article 280.07(f) of the Standard Specifications to read:

“(f) Temporary Mulch. This work will be measured for payment according to Article 251.05(b).”

Add the following paragraph after the ninth paragraph of Article 280.07 of the Standard Specifications:

“Temporary or permanent erosion control systems required for areas outside the limits of construction will not be measured for payment.”

Revise Article 280.08(b) of the Standard Specifications to read:

“(b) Temporary Ditch Checks. This work will be paid for at the contract unit price per foot (meter) for TEMPORARY DITCH CHECKS except for aggregate ditch checks which will be paid for at the contract unit price per ton (metric ton) for AGGREGATE DITCH CHECKS.”

Revise Article 280.08(f) of the Standard Specifications to read:

“(f) Temporary Mulch. Temporary Mulch will be paid for according to Article 251.06.”

Delete the tenth (last) paragraph of Article 280.08 of the Standard Specifications.

Revise the second sentence of the first paragraph of Article 1081.15(e) of the Standard Specifications to read:

“The upstream facing of the aggregate ditch check shall be constructed of gradation CA 3. The remainder of the ditch check shall be constructed of gradation RR 3.”

Designer Note: Insert into all contracts using precast concrete products.

### **SELF-CONSOLIDATING CONCRETE FOR PRECAST PRODUCTS (BDE)**

Effective: July 1, 2004

Revised: July 1, 2010

Definition. Self-consolidating concrete is a flowable mixture that does not require mechanical vibration for consolidation.

Usage. Self-consolidating concrete may be used for precast concrete products.

Materials. Materials shall be according to Section 1021 of the Standard Specifications.

Mix Design Criteria. The mix design criteria shall be as follows:

- (a) The minimum cement factor shall be according to Article 1020.04 of the Standard Specifications. If the maximum cement factor is not specified, it shall not exceed 7.05 cwt/cu yd (418 kg/cu m).
- (b) The maximum allowable water/cement ratio shall be according to Article 1020.04 of the Standard Specifications or 0.44, whichever is lower.
- (c) The slump requirements of Article 1020.04 of the Standard Specifications shall not apply.
- (d) The coarse aggregate gradations shall be CA 13, CA 14, CA 16, or a blend of these gradations. CA 11 may be used when the Contractor provides satisfactory evidence to the Engineer that the mix will not segregate. The fine aggregate proportion shall be a maximum 50 percent by weight (mass) of the total aggregate used.
- (e) The slump flow range shall be  $\pm 2$  in. ( $\pm 50$  mm) of the Contractor target value, and within the overall Department range of 20 in. (510 mm) minimum to 28 in. (710 mm) maximum.
- (f) The visual stability index shall be a maximum of 1.
- (g) The J-ring value shall be a maximum of 4 in. (100 mm). The Contractor may specify a lower maximum in the mix design.
- (h) The L-box blocking ratio shall be a minimum of 60 percent. The Contractor may specify a higher minimum in the mix design.
- (i) The hardened visual stability index shall be a maximum of 1.

Mixing Portland Cement Concrete. In addition to Article 1020.11 of the Standard Specifications, the mixing time for central-mixed concrete shall not be reduced as a result of a mixer performance test. Truck-mixed or shrink-mixed concrete shall be mixed in a truck mixer for a minimum of 100 revolutions.

Wash water, if used, shall be completely discharged from the drum or container before the succeeding batch is introduced.

The batch sequence, mixing speed, and mixing time shall be appropriate to prevent cement balls and mix foaming for central-mixed, truck-mixed, and shrink-mixed concrete.

Placing and Consolidating. The maximum distance of horizontal flow from the point of deposit shall be 25 ft (7.6 m), unless approved otherwise by the Engineer.

Concrete shall be rodded with a piece of lumber, conduit, or vibrator if the material has lost its fluidity prior to placement of additional concrete. The vibrator shall be the pencil head type with a maximum diameter or width of 1 in. (25 mm). Any other method for restoring the fluidity of the concrete shall be approved by the Engineer.

Mix Design Approval. The Contractor shall obtain mix design approval according to the Department's Policy Memorandum "Quality Control/Quality Assurance Program for Precast Concrete Products".

Designer Note: Insert into all contracts where Check Sheet #31, "QC/QA of Concrete Mixtures," is used.

### **SELF-CONSOLIDATING CONCRETE FOR CAST-IN-PLACE CONSTRUCTION (BDE)**

Effective: November 1, 2005

Revised: July 1, 2010

Definition. Self-consolidating concrete is a flowable mixture that does not require mechanical vibration for consolidation.

Usage. Self-consolidating concrete may be used for cast-in-place concrete construction items involving Class MS, DS, and SI concrete.

Materials. Materials shall be according to Section 1021 of the Standard Specifications.

Mix Design Criteria. Article 1020.04 of the Standard Specifications shall apply, except as follows:

- (a) The cement factor shall be according to Article 1020.04 of the Standard Specifications. If the maximum cement factor is not specified, it shall not exceed 7.05 cwt/cu yd (418 kg/cu m). The cement factor shall not be reduced if a water-reducing, retarding, or high range water-reducing admixture is used.
- (b) The maximum allowable water/cement ratio shall be according to Article 1020.04 of the Standard Specifications or 0.44, whichever is lower.
- (c) The slump requirements shall not apply.
- (d) The coarse aggregate gradations shall be CA 13, CA 14, CA 16, or a blend of these gradations. CA 11 may be used when the Contractor provides satisfactory evidence to the Engineer that the mix will not segregate. The fine aggregate proportion shall be a maximum 50 percent by weight (mass) of the total aggregate used.
- (e) The slump flow range shall be  $\pm 2$  in. ( $\pm 50$  mm) of the Contractor target value, and within the overall Department range of 20 in. (510 mm) minimum to 28 in. (710 mm) maximum.
- (f) The visual stability index shall be a maximum of 1.
- (g) The J-ring value shall be a maximum of 4 in. (100 mm). The Contractor may specify a lower maximum in the mix design.
- (h) The L-box blocking ratio shall be a minimum of 60 percent. The Contractor may specify a higher minimum in the mix design.
- (i) The hardened visual stability index shall be a maximum of 1.

Test Methods. Illinois Test Procedures SCC-1, SCC-2, SCC-3, SCC-4, SCC-6, and Illinois Modified AASHTO T 22, 23, 121, 126, 141, 152, 177, 196, and 309 shall be used for testing of self-consolidating concrete mixtures.

Mix Design Submittal. The Contractor's Level III PCC Technician shall submit a mix design according to the "Portland Cement Concrete Level III Technician" course manual, except target slump information is not applicable and will not be required. However, a target slump flow shall be submitted.

A J-ring value shall be submitted if a lower mix design maximum will apply. An L-box blocking ratio shall be submitted if a higher mix design minimum will apply. The Contractor shall also indicate applicable construction items for the mix design.

Trial mixture information will be required by the Engineer. A trial mixture is a batch of concrete tested by the Contractor to verify the Contractor's mix design will meet specification requirements. Trial mixture information shall include test results as specified in the "Portland Cement Concrete Level III Technician" course manual. Test results shall also include slump flow, visual stability index, J-ring value or L-box blocking ratio, and hardened visual stability index. For the trial mixture, the slump flow shall be near the proposed target slump flow.

Trial Batch. A minimum 2 cu yd (1.5 cu m) trial batch shall be produced, and the self-consolidating concrete admixture dosage proposed by the Contractor shall be used. The slump flow shall be within 1.0 in. (25 mm) of the maximum slump flow range specified by the Contractor, and the air content shall be within the top half of the allowable specification range.

The trial batch shall be scheduled a minimum of 21 calendar days prior to anticipated use and shall be performed in the presence of the Engineer.

The Contractor shall provide the labor, equipment, and materials to test the concrete. The mixture will be evaluated by the Engineer for strength, air content, slump flow, visual stability index, J-ring value or L-box blocking ratio, and hardened visual stability index.

Upon review of the test data from the trial batch, the Engineer will verify or deny the use of the mix design and notify the Contractor.

A new trial batch will be required whenever there is a change in the source of any component material, proportions beyond normal field adjustments, dosage of the self-consolidating concrete admixture, batch sequence, mixing speed, mixing time, or as determined by the Engineer. The testing criteria for the new trial batch will be determined by the Engineer.

When necessary, the trial batches shall be disposed of according to Article 202.03 of the Standard Specifications.

Mixing Portland Cement Concrete. In addition to Article 1020.11 of the Standard Specifications, the mixing time for central-mixed concrete shall not be reduced as a result of a mixer performance test. Truck-mixed or shrink-mixed concrete shall be mixed in a truck mixer for a minimum of 100 revolutions.

Wash water, if used, shall be completely discharged from the drum or container before the succeeding batch is introduced.

The batch sequence, mixing speed, and mixing time shall be appropriate to prevent cement balls and mix foaming for central-mixed, truck-mixed, and shrink-mixed concrete.

Falsework and Forms. In addition to Articles 503.05 and 503.06 of the Standard Specifications, the Contractor shall ensure the design of the falsework and forms is adequate for the additional form pressure caused by the fluid concrete. Forms shall be tight to prevent leakage of fluid concrete.

When the form height for placing the self-consolidating concrete is greater than 10.0 ft (3.0 m), direct monitoring of form pressure shall be performed according to Illinois Test Procedure SCC-10. The monitoring requirement is a minimum, and the Contractor shall remain responsible for adequate design of the falsework and forms. The Contractor shall record the formwork pressure during concrete placement. This information shall be used by the Contractor to prevent the placement rate from exceeding the maximum formwork pressure allowed, to monitor the thixotropic change in the concrete during the pour, and to make appropriate adjustments to the mix design. This information shall be provided to the Engineer during the pour.

Placing and Consolidating. Concrete placement and consolidation shall be according to Article 503.07 of the Standard Specifications, except as follows:

Revise the third paragraph of Article 503.07 of the Standard Specifications to read:

“Open troughs and chutes shall extend as nearly as practicable to the point of deposit. The drop distance of concrete shall not exceed 5 ft (1.5 m). If necessary, a tremie shall be used to meet this requirement. The maximum distance of horizontal flow from the point of deposit shall be 25 ft (7.6 m), unless approved otherwise by the Engineer. For drilled shafts, free fall placement will not be permitted.”

Delete the seventh, eighth, ninth, and tenth paragraphs of Article 503.07 of the Standard Specifications.

Add to the end of the eleventh paragraph of Article 503.07 of the Standard Specifications the following:

“Concrete shall be rodded with a piece of lumber, conduit, or vibrator if the material has lost its fluidity prior to placement of additional concrete. The vibrator shall be the pencil head type with a maximum diameter or width of 1 in. (25 mm). Any other method for restoring the fluidity of the concrete shall be approved by the Engineer.”

Quality Control by Contractor at Plant. The specified test frequencies for aggregate gradation, aggregate moisture, air content, unit weight/yield, and temperature shall be performed as indicated in the contract.

Slump flow, visual stability index, and J-ring or L-box tests shall be performed as needed to control production. The hardened visual stability index test will not be required to be performed at the plant.

Quality Control by Contractor at Jobsite. The specified test frequencies for air content, strength, and temperature shall be performed as indicated in the contract.

Slump flow, visual stability index, and J-ring or L-box tests shall be performed on the first two truck deliveries of the day, and every 50 cu yd (40 cu m) thereafter. The Contractor shall select either the J-ring or L-box test for jobsite testing.

The hardened visual stability index test shall be performed on the first truck delivery of the day, and every 300 cu yd (230 cu m) thereafter. Slump flow, visual stability index, J-ring value or L-box blocking ratio, air content, and concrete temperature shall be recorded for each hardened visual stability index test.

The Contractor shall retain all hardened visual stability index cut cylinder specimens until the Engineer notifies the Contractor that the specimens may be discarded.

If mix foaming or other potential detrimental material is observed during placement or at the completion of the pour, the material shall be removed while the concrete is still plastic.

Quality Assurance by Engineer at Plant. For air content and aggregate gradation, quality assurance independent sample testing and split sample testing will be performed as indicated in the contract.

For slump flow, visual stability index, and J-ring or L-box tests, quality assurance independent sample testing and split sample testing will be performed as determined by the Engineer.

Quality Assurance by Engineer at Jobsite. For air content and strength, quality assurance independent sample testing and split sample testing will be performed as indicated in the contract.

For slump flow, visual stability index, J-ring or L-box, and hardened visual stability index tests, quality assurance independent sample testing will be performed as determined by the Engineer.

For slump flow and visual stability index quality assurance split sample testing, the Engineer will perform tests at the beginning of the project on the first three tests performed by the Contractor. Thereafter, a minimum of ten percent of total tests required of the Contractor will be performed per plant, which will include a minimum of one test per mix design. The acceptable limit of precision will be 1.5 in. (40 mm) for slump flow and a limit of precision will not apply to the visual stability index.

For the J-ring or the L-box quality assurance split sample testing, a minimum of 80 percent of the total tests required of the Contractor will be witnessed by the Engineer per plant, which will include a minimum of one witnessed test per mix design. The Engineer reserves the right to conduct quality assurance split sample testing. The acceptable limit of precision will be 1.5 in. (40 mm) for the J-ring value and ten percent for the L-box blocking ratio.

For each hardened visual stability index test performed by the Contractor, the cut cylinders shall be presented to the Engineer for determination of the rating. The Engineer reserves the right to conduct quality assurance split sample testing. A limit of precision will not apply to the hardened visual stability index.

# **District Special Provisions**

## **Alphabetic Index**



ALPHABETIC INDEX OF DISTRICT SPECIAL PROVISIONS

<u>Item/Description</u>	<u>Standard Specification</u>	<u>Filename</u>
AGGREGATE DITCH	283.03	28303
AGGREGATE QUALITY	1004.04	100404
ANTI-STRIP ADDITIVE FOR HOT-MIX ASPHALT	406.01	40601
BACKFILL - PIPE CULVERTS	542.04e	54204e
BACKFILL, BUILDING REMOVAL	550.07	55007
BIN-TYPE RETAINING WALL	503.00	50300
BITUMINOUS PRIME COATE FOR HOT-MIX ASPHALT PAVEMENT (FULL DEPTH)	407.06	40706
BORROW AND FURNISHED EXCAVATION	204.00	20400
BRIDGE FLOOR FINISHING MACHINE	503.17	50317
BRIDGE WEARING SURFACE REMOVAL	440.01	44001
CENTER JOINT REPAIR SYSTEM	440.03c	44003c
CLASS (*) PATCHES, TYPE (**), (***)	442.00	44200
CLEAN EXISTING PAVEMENT EDGE JOINT	406.00	40600
COARSE AGGREGATE FOR BITUMINOUS COURSES, CLASS A	1004.03b	100403b
CONCRETE HANDRAIL REMOVAL	501.04	50104
CONCRETE HEADWALL REMOVAL	501.03	50103
CONCRETE SUPERSTRUCTURE AGGREGATE OPTIMIZATION	1004.02	100402
CONCRETE WEARING SURFACE	503.01	50301
CONDUIT, PUSHED OR TRENCHED	810.00	81000
CONSTRUCTION STATION LAYOUT	105.00	10500
CRACK AND JOINT SEALING`	451.00	45100
DATE OF COMPLETION	108.05a	10805a
DATE OF COMPLETION (PLUS WORKING DAYS)	108.05b	10805b
DELAYED START OF MULTIPLE CONTRACTS	108.03	10803
DETECTOR LOOP, SPECIAL FOR TRAFFIC COUNTERS	886.00	88600

ALPHABETIC INDEX OF DISTRICT SPECIAL PROVISIONS

DETECTOR LOOPS, TYPE 1	886.00a	88600a
DRAINAGE HOLES	606.12	60612
ELECTRIC CABLE CONDUIT, LEAD-IN, NO. 18	873.00	87300
EMBANKMENT	205.05	20505
EMBANKMENT (RESTRICTIONS)	205.04	205.04
EMBANKMENT (SMALL EMBANKMENTS)	205.05a	20505a
EQUIPMENT VAULT FOR NUCLEAR TESTING EQUIPMENT	670.05	67005
EROSION CONTROL CURB	630.00	63000
FILLING EXISTING CULVERTS	605.04a	60504a
FILLING EXISTING DRAINAGE STRUCTURES	605.04b	60504b
FILLING EXISTING INLETS	605.04d	60504d
FLEXIBLE DELINEATOR MAINTENANCE	635.00	63500
FLEXIBLE DELINEATORS	635.01	63501
FLOOR DRAIN EXTENSION	503.12a	50312a
GEOTECHNICAL REINFORCEMENT	205.00	20500
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 CONCRETE MILLING MATERIAL	440.03f	44003f
HOT-MIX ASPHALT – PRIME COAT (BMPR)	406.05	40605
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

ALPHABETIC INDEX OF DISTRICT SPECIAL PROVISIONS

HOT-MIX ASPHALT SURFACE REMOVAL, *** (** MM)	440.03a	44003a
HOT-MIX ASPHALT SURFACE REMOVAL, *** (** MM)	440.03b	44003b
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
INLETS, TYPE G-2	602.00l	60200l
ISLAND PAVEMENT CONSTRUCTED ON EXISTING PAVEMENT	606.08	60608
JACK AND REPOSITION BEARINGS	521.00b	52100b
JACKING AND CRIBBING	521.00c	52100c
LOCATION OF UNDERGROUND STATE MAINTAINED FACILITIES	107.31	10731
MANHOLE TO BE ADJUSTED WITH NEW TYPE G-1 FRAME AND GRATE	602.00j	60200j
MORTARED STONE WALL	683.00	68300
MOWING	250.06a	250.06a
MOWING	250.06b	250.06b
NATIONWIDE 404 PERMIT REQUIREMENTS	107.00a	10700a
PAVEMENT DRAINAGE AFTER COLD MILLING	440.03c	44003c
PAVEMENT MARKING REMOVAL/WORK ZONE PAVEMENT MARKING REMOVAL	703.00	70300

ALPHABETIC INDEX OF DISTRICT SPECIAL PROVISIONS

PAVEMENT PATCHING WITH HOT-MIX ASPHALT SURFACE REMOVAL	440.03e	44003e
PAYMENT FOR USE OF MATERIAL TRANSFER DEVICE	406.13	40613
PCC AUTOMATIC BATCHING EQUIPMENT	1103.03	110303
PERMANENT SURVEY MARKER, TYPE I, BRIDGE PLACEMENT	667.04	66704
PERMANENT SURVEY TIES	668.02	66802
PIPE CULVERTS	542.04	54204
PIPE UNDERDRAIN	601.00	60100
PLACEMENT OF HOT-MIX ASPHALT SURFACE COURSE	406.04	40604
PLUG EXISTING DRAINS	503.12	50312
PREFORMED PLASTIC PAVEMENT MARKINGS	780.07	78007
PRESTAGE SITE CONSTRUCTION MEETINGS	105.06	10506
PROOF ROLLING	301.01	30101
PROTECTION OF FRAMES AND LIDS OF UTILITY STRUCTURES	440.03	44003
PROTECTIVE COAT, SPECIAL	503.19	50319
RAILROAD APPROACH PAVEMENT	420.20	42020
RAILROAD TIES REMOVAL AND DISPOSAL	680.00a	68000a
RAILROAD TRACK RAIL REMOVAL	680.00	68000
RAISED RUMBLE STRIP	407.14d	40714d
REFLECTIVE CRACK CONTROL TREATMENT	443.00	44300
REMOVAL OF ABANDONED UNDERGROUND UTILITIES	105.07	10507
REMOVE AND RELAY PIPE CULVERTS	542.01	54201
RIGHT-OF-WAY RESTRICTIONS	107.32	10732
ROCKFILL	311.00	31100
RUMBLE STRIP	407.14	40714
SEEDING, MINOR AREAS	250.00	25000
SEEDLING MIXTURE A	253.00b	15300b

ALPHABETIC INDEX OF DISTRICT SPECIAL PROVISIONS

SEEPAGE COLLAR	542.00	54200
SIDEWALK DRAINS	424.01	42401
SOIL MODIFICATION	302.00	30200
SPEEDING PENALTY	701.06	70106
STATUS OF UTILITIES/UTILITIES TO BE ADJUSTED	105.07	10507
STEEL CASINGS *** (* MM)	561.00	56100
STEEL PIPE CULVERT, SPECIAL (JACKED) *** (* MM)	552.00	55200
STEEL PLATE BEAM GUARDRAIL, TYPE A, 6.75 FOOT POSTS	630.08	63008
STONE DUMPED RIPRAP*	281.04	28104
STORM SEWER (SPECIAL)	550.02	55002
STORM SEWER, (PVC), SDR 26	550.00	55000
STORM SEWER/PIPE CULVERT) JACKED IN PLACE **** (** MM)	552.01	55201
SUBBASE GRANULAR MATERIAL	311.01	31101
SUBGRADE TREATMENT	301.03	30103
SURFACE FILLER, SPECIAL (GALLON)	503.02	50302
TEMPERATURE CONTROL FOR CONCRETE PLACEMENT	1020.14	102014
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 RAISED REFLECTIVE PAVEMENT MARKER, TYPE II	781.00	78100
TEMPORARY SIDEWALKS	424.02	42402
TERMINAL FACILITY	863.00	86300
THERMOPLASTIC PAVEMENT MARKING EQUIPMENT	780.00	78000
TRAFFIC BARRIER TERMINALS	631.11c	63111c
TRAFFIC BARRIER TERMINALS, TYPE 1, SPECIAL (FLAMED) OR (TANGENT)	631.04	631.04

ALPHABETIC INDEX OF DISTRICT SPECIAL PROVISIONS

TRAFFIC BARRIER TERMINALS, TYPE 2	631.14	63114
TRAFFIC BARRIER TERMINALS, TYPE 6	631.07	63107
TRAFFIC CONTROL AND PROTECTION STANDARD 701331 (SPECIAL)	701.08b	70108b
TRAFFIC CONTROL AND PROTECTION STANDARD BLR 21 AND BLR 21 (SPECIAL)	701.20	70120
TRAFFIC CONTROL AND PROTECTION STANDARD BLR 22 AND BLR 22 (SPECIAL)	701.21	701.21
TRAFFIC CONTROL AND PROTECTION STANDARD 701606 (SPECIAL)	701.22	70122
TRAFFIC CONTROL PLAN	701.00	70100
TREE WHIP MIXTURE	253.00	25300
TRENCH & BACKFILL, SPECIAL FOR CONDUIT INSTALLATION BENEATH BITUMINOUS SHOULDERS	815.00	81500
URETHANE PAVEMENT MARKING	780.01	78001
WIDTH RESTRICTION SIGNING	701.14	70114

# **District Special Provisions**

## **Numeric Index**

## **Section 100**



## SECTION 100

## District Special Provisions

<u>Standard Specifications</u>	<u>Item/Description</u>	<u>Doc. #</u>
105.00	CONSTRUCTION STATION LAYOUT	10500
105.06	PRESTAGE SITE CONSTRUCTION MEETINGS	10506
105.07	REMOVAL OF ABANDONED UNDERGROUND UTILITIES	10507
105.07a	STATUS OF UTILITIES/UTILITIES TO BE ADJUSTED	10507a
107.00a	NATIONWIDE 404 PERMIT REQUIREMENTS	10700a
107.31	LOCATION OF UNDERGROUND STATE MAINTAINED FACILITIES	10731
107.32	RIGHT-OF-WAY RESTRICTIONS	10732
108.03	DELAYED START OF MULTIPLE CONTRACTS	10803
108.05a	DATE OF COMPLETION	10805a
108.05b	DATE OF COMPLETION (PLUS WORKING DAYS)	10805b

## **Section 200**

## SECTION 200

## District Special Provisions

<u>Standard Specifications</u>	<u>Item/Description</u>	<u>Doc. #</u>
204.00	BORROW AND FURNISHED EXCAVATION	20400
205.00	GEOTECHNICAL REINFORCEMENT	20500
205.05	EMBANKMENT	20505
205.04	EMBANKMENT (RESTRICTIONS)	20504
205.05a	EMBANKMENT (SMALL EMBANKMENTS)	20505a
250.00	SEEDING, MINOR AREAS	25000
250.06a	MOWING	25006a
250.06b	MOWING	250.06b
253.00	TREE WHIP MIXTURE	25300
253.00b	SEEDLING MIXTURE A	25300b
281.00	GROUT FOR USE WITH RIPRAP	28100
281.04	STONE DUMPED RIPRAP *	28104
283.03	AGGREGATE DITCH	28303

## **Section 300**

## SECTION 300

## District Special Provisions

<u>Standard Specifications</u>	<u>Item/Description</u>	<u>Doc. #</u>
301.01	PROOF ROLLING	30101
301.03	SUBGRADE TREATMENT	30103
302.00	SOIL MODIFICATION	30200
311.00	ROCKFILL	31100
311.01	SUBBASE GRANULAR MATERIAL	31101
355.00	TEMPORARY PAVEMENT	35500

## **Section 400**

## SECTION 400

## District Special Provisions

<u>Standard Specifications</u>	<u>Item/Description</u>	<u>Doc. #</u>
406.00	CLEAN EXISTING PAVEMENT EDGE JOINT	40600
406.01	ANTI-STRIP ADDITIVE FOR HOT-MIX ASPHALT	40601
406.04	PLACEMENT OF HOT-MIX ASPHALT SURFACE COURSE	40604
406.04a	HOT-MIX ASPHALT SURFACE COURSE SURFACE TESTS	40604a
406.05	HOT-MIX ASPHALT – PRIME COAT (BMPR)	40605
406.13	PAYMNET FOR USE OF MATERIAL TRANSFER DEVICE	40613
407.06	BITUMINOUS PRIME COAT FOR HOT-MIX ASPHALT PAVEMENT (FULL DEPTH)	40706
407.13	GROOVED-IN RUMBLE STRIP	40713
407.14d	RAISED RUMBLE STRIP	40714d
420.20	RAILROAD APPROACH PAVEMENT	42020
424.01	SIDEWALK DRAINS	42401
424.02	TEMPORARY SIDEWALKS	42402
440.01	BRIDGE WEARING SURFACE REMOVAL	44001
440.03	PROTECTION OF FRAMES AND LIDS OF UTILITY STRUCTURES	44003
440.03c	CENTER JOINT REPAIR SYSTEM	44003c
440.03a	HOT-MIX ASPHALT SURFACE REMOVAL, *** (** MM)	44003a
440.03b	HOT-MIX ASPHALT SURFACE REMOVAL, *** (** MM)	44003b
440.03d	PAVEMENT DRAINAGE AFTER COLD MILLING	44003d
440.03e	PAVEMENT PATCHING WITH HOT-MIX ASPHALT SURFACE REMOVAL	44003e
440.03f	HOT-MIX ASPHALT CONCRETE MILLING MATERIAL	44003f
442.00	CLASS (*) PATCHES, TYPE (**), (****)	44200
443.00	REFLECTIVE CRACK CONTROL TREATMENT	44300
451.00	CRACK AND JOINT SEALING	45100
482.05	HOT-MIX ASPHALT SHOULDER RESURFACING REQUIRED TO BE CONSTRUCTED SIMULTANEOUSLY WITH MAINLINE PAVING	48205
482.06	HOT-MIX ASPHALT SHOULDER RESURFACING CONSTRUCTED SIMULTANEOUSLY WITH MAINLINE PAVING	48206

## **Section 600**



## SECTION 600

## District Special Provisions

<u>Standard Specifications</u>	<u>Item/Description</u>	<u>Doc. #</u>
601.01	PIPE UNDERDRAIN	60101
602.00d	INLET-MANHOLE, TYPE G-1, 4' (1.2 M) DIAMETER	60200d
602.00f	INLET-MANHOLE, TYPE G-1, 5' (1.5 M) DIAMETER	60200f
602.00h	INLET-MANHOLE, TYPE G-1, 5' (1.5 M) DIAMETER, DOUBLE, SPECIAL	60200h
602.00i	INLET-MANHOLE, TYPE G-1, 8' (2.4 M) DIAMETER, DOUBLE, SPECIAL	60200i
602.00e	INLET-MANHOLE, TYPE G-1, 4' (1.2 M) DIAMETER, SPECIAL	60200e
602.00g	INLET-MANHOLE, TYPE G-1, 5' (1.5 M) DIAMETER, SPECIAL	60200g
602.00a	INLETS, TYPE G-1	60200a
602.00c	INLETS, TYPE G-1, DOUBLE, SPECIAL	60200c
602.00b	INLETS, TYPE G-1, SPECIAL	60200b
602.00j	MANHOLE TO BE ADJUSTED WITH NEW TYPE G-1 FRAME AND GRATE	60200j
602.00k	TEMPORARY INLET DRAINAGE TREATMENT	60200k
602.00l	INLETS, TYPE G-2	60200l
602.00m	INLETS, TYPE G-1, DOUBLE	60200m
605.04a	FILLING EXISTING CULVERTS	60504a
605.04b	FILLING EXISTING DRAINAGE STRUCTURES	60504b
605.04	FILLING EXISTING INLETS	60504
606.08	ISLAND PAVEMENT CONSTRUCTED ON EXISTING PAVEMENT	60608
606.12	DRAINAGE HOLES	60612
630.00	EROSION CONTROL CURB	63000
630.01	GUARDRAIL AGGREGATE EROSION CONTROL	63001
630.08	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6.75 FOOT POSTS	63008

## SECTION 600

## District Special Provisions

<u>Standard Specifications</u>	<u>Item/Description</u>	<u>Doc. #</u>
631.04	TRAFFIC BARRIER TERMINAL, TYPE 1, SPECIAL (FLARED) OR (TANGENT)	63104
631.07	TRAFFIC BARRIER TERMINALS, TYPE 6	63107
631.11c	TRAFFIC BARRIER TERMINALS	63111c
631.14	TRAFFIC BARRIER TERMINALS, TYPE 2	63114
632.00	GUARD POST REMOVAL	63200
635.00	FLEXIBLE DELINEATOR MAINTENANCE	63500
635.01	FLEXIBLE DELINEATORS	63501
667.04	PERMANENT SURVEY MARKER, TYPE I, BRIDGE PLACEMENT	66704
668.02	PERMANENT SURVEY TIES	66802
670.05	EQUIPMENT VAULT FOR NUCLEAR TESTING EQUIPMENT	67005
680.00a	RAILROAD TIES REMOVAL AND DISPOSAL	68000a
680.00	RAILROAD TRACK RAIL REMOVAL	68000
683.00	MORTARED STONE WALL	68300

# **District Special Provisions**

10500

105.00

Designer Note: This special is for use on overlay projects where there will not be adequate IDOT staff to mark the stationing on lathe until the surface course will be placed and stations can be stamped in the pavement. The pay item corresponding to this is XZ013798, Construction Station Layout.

## **CONSTRUCTION STATION LAYOUT**

Effective July 30, 2010

This work shall consist of all labor, materials, and equipment necessary to temporarily stake, maintain, and remove the roadway stationing for all mainline and ramp pavements to be overlaid within the project limits.

Prior to any cold milling or other operations that will destroy the existing stationing stamped in the existing pavement, the Contractor shall have the stationing temporarily marked beyond the edge of shoulder or as directed by the Engineer. Unless otherwise allowed, the stationing shall be legibly written on wooden lathe marked with a ribbon and driven into the ground at 200' (100 meter) intervals. On 2, 3, and 5 lane pavements, the stationing shall be marked on the right edge of pavement in the direction of increasing stationing. On ramp pavements, the stationing shall be marked along the baseline. On multi-lane divided roadways, the stationing shall be marked along the outside edge of shoulder in both directions. The stationing to be used shall be as shown on the plans. The beginning and ending station and location shall be confirmed with the Engineer prior to staking. Once the surface course has been stamped, the lathe shall be removed and disposed of in accordance with the Standard Specifications.

This work will be paid for at the contract unit price per lump sum for CONSTRUCTION STATION LAYOUT and no other compensation will be allowed.

28100

281.00

Designer Note: Use in cases where it is necessary to lock riprap in place due to high velocities. Discuss with your Project Engineer and Construction before using.

### **GROUT FOR USE WITH RIPRAP**

Effective July 30, 2010

Description of work. This work shall consist of furnishing and placing material to grout riprap in place. The riprap, bedding, and filter fabric shall be placed and paid for according to Sections 281 and 282 of the Standard Specifications.

Materials. The grout shall consist of a mixture of 490 lbs cement, 1976 lbs (dry weight) FA 01, 1039 lbs (dry weight) CA 16, and 27.5 gallons of water per cubic yard. Alternatively, a mixture of 430 lbs cement, 115 lbs fly ash, 1937 lbs FA 01, 1028 lbs CA 16, and 27.5 gallons of water per cubic yard may be used. In either mixture, a high-range water reducer shall be used to attain desired consistency of the mix. The hardened grout shall have a minimum compressive strength of 2,000 pounds per square inch at 28 days.

Construction Requirements. The grout shall be pumped and placed throughout the riprap to a depth determined by the Engineer. A uniform rate of 0.22 cubic yards of grout per square yard of riprap was assumed to estimate a quantity. The grout shall fill the lower voids in the riprap and bond the riprap together.

Method of Measurement. The quantity of grout for use with riprap shall be measured in cubic yards, based on the volumes from the individual truck tickets used for the work.

Basis of Payment. This work will be paid for at the contract unit price per cubic yard for GROUT FOR USE WITH RIPRAP.

30200

302.00

Designer Note: To compute quantities, use a rate of 5% by weight of soil for water. Check with Materials before using this special provision and the Soils Report for a % of modifier.

## **SOIL MODIFICATION**

Effective July 1, 1990

Revised July 30, 2010

This work shall consist of the construction of a lime-modified soil layer as described in Section 302 of the Standard Specifications, except as modified herein.

Revise Article 302.04 by adding:

The depth of treatment shall be based on proof rolling and soil strength (cone index). Proof rolling shall consist of running a loaded tandem truck over the subgrade.

Revise Article 302.08 by adding the following:

Mixing. The modifier, soil, and water (if necessary) shall be thoroughly blended by rotary speed mixers. The mixing shall continue until it has been determined by the Engineer that a homogeneous layer of the required thickness has been obtained. A disc harrow may be used to supplement the mixing by the rotary mixer.

Add to Article 302.10 Finishing:

After adequate compaction is obtained, no construction equipment will be permitted on the finished subgrade for a period of 3 days, after which only equipment used for grading prior to placement of paving materials will be permitted.

40601

406.01

Designer Note: Use in all jobs with hot-mix asphalt pay items from Sections 355, 356, 406 and 407.

**ANTI-STRIP ADDITIVE FOR HOT-MIX ASPHALT**

Effective July 30, 2010

If an anti-stripping additive is required for any hot-mix asphalt in accordance with Article 1030.04(c), the cost of the additive will not be paid for separately, but shall be considered as included in the contract unit price bid for the hot-mix asphalt item(s) involved.

Designer Note: Use for permanent installation of rumble strips. Check with Traffic on usage/spacing of strips. Include CADD detail on layout of rumble strips. Pay item is Z0055500, Rumble Strip.

### **GROOVED-IN RUMBLE STRIP**

Effective: November 16, 2007

Revised: July 30, 2010

This work shall consist of the construction of grooved-in rumble strips at locations as detailed in the plans.

The equipment shall be a self-propelled milling machine with a rotary-type cutting head(s). The cutting head(s) shall be suspended from the machine such that it can align itself with the slope of the pavement and any surface irregularities. The teeth of the cutting head(s) shall be arranged to provide a smooth cut, with no more than an 1/8 in. (3 mm) difference between peaks and valleys.

Prior to commencement of the work, the Contractor shall demonstrate the ability of the equipment to achieve the desired results without damaging the pavement.

The rumble strips shall be cut to the dimensions shown on the plans. Guides shall be used to ensure consistent alignment, spacing and depth. In Portland cement concrete, rumble strips may be formed according to the details shown on the plans immediately after the application of the final finish.

Rumble strips shall be omitted within the limits of structures, entrances and side roads. In Portland cement concrete pavement, rumble strips shall not be placed within 6 in. (150 mm) of transverse joints.

This work will be measured for payment in square feet (square meters). Measurement will include both the cut and uncut (formed and unformed) sections of the rumble strips.

This work will be paid for at the contract unit price per square feet (square meter) of the actual treated area for RUMBLE STRIP.



Designer Note: Use for temporary installations only when grooved in rumble strips are not practical. Check with Traffic on usage/spacing of strips. Include CADD detail on layout of rumble strips. Pay item is Temporary Rumble Strips, 70106700.

## **RAISED RUMBLE STRIP**

Effective: June 1, 1992

Revised: July 30, 2010

This work shall consist of the construction of rumble strips on top of pavement surface at locations as detailed in the plans.

The raised rumble strip shall be constructed as follows or an approved equivalent method.

A rumble strip shall consist of a series of ribs as shown on the plans. The area to be covered shall be cleaned with brooms, using an industrial type detergent mixed with water, in proportions acceptable to the Engineer. The detergent solution shall be vigorously broomed over the surface until complete removal of grime and oil is effected. The surface is considered clean when the surface maintains a continuous water film and no longer breaks into "beads". The surface shall then be very thoroughly rinsed with water until it no longer feels slippery to the touch. The surface must then be allowed to dry completely prior to application of the rumble strip, so as in the opinion of the Engineer, satisfactory bonding will be obtained. Surfaces or locations that show excessive contamination with oil, grease or grime, which in the opinion of the Engineer, will not respond to the detergent specified, shall be sandblasted in combination with the detergent cleaning. This treatment shall continue until the contamination has been removed to the degree that will permit satisfactory bonding of the epoxy.

After the surface has been cleaned to the satisfaction of the Engineer, beds of two-component epoxy shall be placed on the surface at the locations shown on the plans. The epoxy beds shall be from 1/8 to 1/4 inch (3 mm to 6 mm) thick. The aggregate shall be hand placed on top of the epoxy beds at a thickness of 3/4 inch (20 mm) maximum and 1/2 inch (12 mm) minimum and lightly pressed into place so that the aggregate is embedded into the epoxy. Rumble strips shall harden sufficiently at temperatures ranging from 60° F to 100° F (15° C to 38° C) before opening to traffic in 3 to 12 hours.

The epoxy described herein shall meet the requirements of STM C-881 specifications and shall be Type III, Grade 2 and the appropriate class as indicated for each temperature range - Class B [4° F to 60° F (-15° C to 38° C)] or Class C [above 60° F (38 ° C)]. The epoxy shall not be applied unless the air temperature is at least 50° F (10° C).

In testing the "neat" epoxy (cured material - shore D80-90), the flexural strength shall meet the requirements of ASTM D-790, 95 to 100 psi (655 kPa to 690 kPa) minimum; the flexural modulus shall meet the requirements of ASTM D-790, 400,000 to 500,000 psi (2760 MPa to 3450 MPa). The supplier must submit a notarized certification that this material meets all of the above requirements and that the material has been successfully used for the purpose described in this specification.

The aggregate used shall be CA 14 and shall be surface dry (no free moisture) and shall conform to Section 1004 of the Standard Specifications.

Removal of the raised rumble strip shall be included in the cost of this item and shall be performed by mechanical means to the satisfaction of the Engineer. Any damage to the existing pavement shall be repaired by the Contractor and no additional compensation will be allowed.

Raised rumble strips shall be constructed as specified herein and as shown on the detail in the plans and paid for at the contract unit price per Each actual treated area of strip as TEMPORARY RUMBLE STRIP.

## **District General Notes**

## **Section 600**

Effective: April 23, 2010

Designer Note: This note shall be used when including the re-setting of a section corner that currently exists on a project that will be disturbed by construction activities. Only use after discussing with Paul Fields and Project Engineer to ensure it is best done during construction. Include CADD Standard 667101 in the plans.

### **SETTING OF SECTION CORNER MONUMENTATION**

All section corner location on this project shall be located and verified by a licensed Land Surveyor prior to any removal work being performed. The Land Surveyor shall locate the existing section corners through courthouse research, personal knowledge or through the assistance of local firms performing Land Surveying in the area. If the section corner does not exist through either its physical location or through ties in the field it shall not be reset, there shall be no calculating of section corners onto a project required.

Once the paving and striping operations have been performed the section corner shall be reset at the direction of a licensed Land Surveyor. If any dimensions have been changed, it shall be the responsibility of the surveyor to file a new monument record in the appropriate courthouse.

A copy of all drawings or monument records produced from this project shall be sent to the Chief of Surveys, Illinois Department of Transportation, Region Three/District Four, Peoria, Illinois.

The supplying, drilling, setting of disks, professional services, labor and any other additional work required to perform this work shall be paid for under pay item for Permanent Survey Markers, Type I.

Refer to District Four CADD Standard 667101 for details.