









## Article 201.01 (IDOT Standard Specifications)

- Clearing
- Tree Removal
- Care of Existing Plant Material
- Repair or Replacement of Existing Plant Material
- Tree stump diameter at cut off of 6 inches or more will be considered a tree for the purposes of measurement and removal.























#### Section 201 (IDOT Standard Specifications) Measured Quantities for Tree Removal (Units & Acres) Shown at definite locations on the plans or staked for removal by the Engineer. The entire area shown on the plans, and directed by the engineer, will be used in computing the acres For Tree Removal quantities, 1 unit equals 1 inch (i.e. 15 units = 15" of tree diameter). Do not remove a tree unless it is marked by the Engineer and take a picture of the tree first! When it is necessary to remove trees in connection with borrow pits furnished by the Contractor, trees will not be measured separately for payment. $\mathbf{M}$ ( ) Illinois Department of Transport



#### Section 211 - Furnishing and Excavating Topsoil (IDOT Standard Specifications)

- Topsoil shall be obtained from within the limits of the rightof-way at the locations and to the depths designated on the plans or approved by the Engineer.
- Topsoil shall be stockpiled at locations approved by the Engineer.
- When special types of topsoil are specified, each type shall be handled separately and not allowed to mix with any other material.
- When special types of topsoil (Hydric, Prairie or Woodland) are specified, the seeds and plants within the excavated special top soils are desirable to maintain. If stockpiling cannot be avoided, special measures, such as watering the stockpile and planting a cover crop on the stockpile will be required as directed by the engineer.

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#### Section 211 - Placing Topsoil and Compost

Placing Topsoil and compost

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- To be placed after the area to be covered has been shaped, trimmed, and finished according to Section 212.
- All irregularities or depressions in the surface due to weathering or other causes shall be filled or smoothed out before the topsoil is placed (surface is rolled by the Prime).
- If the existing surface has become hardened or crusted, it shall be disked or raked or otherwise broken up so as to provide a bond with the lift of topsoil to be applied.
- When compost is specified, it shall be placed at the specified depth on top
  of the topsoil. The Engineer will verify that the proper topsoil and compost
  depths have been applied. After verification of proper depth, the
  Contractor shall completely incorporate the compost into the topsoil by
  disking or tilling.

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#### Section 211 (IDOT Standard Specifications) • Contract Quantities • Shall conform to Article 202.07 of the Standard Specifications • Topsoil furnish and place, and compost furnish and place shall be that material obtained from outside the right-of-way and will be measured in square yards. • Basis of Payment



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- Topsoil Excavation and Placement per Cubic Yard
- Topsoil Furnish and Place of thickness specified per Square Yard
   Compost Furnish and Place of the thickness specified per Square Yard

#### Section 250 – Seeding (IDOT Standard Specifications) • Seeding - work consists of preparing seed bed and placing the seed and other materials. • Materials - includes Seeds, Agricultural Ground limestone, and Fertilizer. • Equipment includes the following: • Disk • Slope Harrow • Hydraulic Seeder • Cultipacker • Tractor Drawn Seeders • Tractor Mounted Drop Seeders • Rangeland Type Grass Drill and Interseeding Attachment • Silt Seeder









### Section 250 – Seeding Methods (IDOT Standard Specifications)

- No seed shall be sown during high winds nor shall any seed be sown until the purity test has been completed for the seeds to be used, and shows that the seed meets the noxious weed seed requirements.
- All equipment shall be approved by the Engineer prior to being used.
- The Engineer shall be notified 48 hours prior to beginning the seeding operations.
- When seed or fertilizer is applied with a hydraulic seeder, the rate of application shall be not less than 1,000 gallons of slurry per acre.

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# Section 250 (IDOT Standard Specifications)

- Bare Earth Seeding • Seeding Classes 1, 2, and 6 shall be sown with a machine that mechanically places the seed in direct contact with the soil, packs, and covers the seed in one continuous operation.
- Seeding Class 4 shall be sown with a rangeland type glass drill.
- Seeding class 3 may be sown with a hydraulic seeder.
- $^\circ~$  Seeding Classes 5 and 7 shall be sown with a hydraulic seeder or rangeland type grass drill.

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 Interseeding –seeding of areas in existing turf
 The equipment used shall be capable of completely severing all growth at the cutting height and distributing it evenly over the mowed area.

### Section 250 (IDOT Standard Specifications)

- Interseeding (Continued) –
   The Contractor will not be required to mow within 1 foot of the right-of-way fence, continuously wet ditches and drainage ways, slopes 1:3 (V:H) and greater, or areas which may be designated as not mowable by the Engineer.
  - Debris encountered during the mowing and interseeding operations which hamper the operation or area visible from the roadway shall be removed and disposed of according to Article 250.05.
  - Damage to the right-ofoway and turf, such as ruts or wheel tracks more than 2 inches in depth, shall be repaired to the satisfaction of the Engineer prior to the time of interseeding.

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### Section 250 - Seeding Mixtures (IDOT Standard Specifications)

		TABLE 1 - SEEDING MIXTURES	
Cla	ass - Type	Seeds	lb/acre (kg/hectare
1	Lawn Mixture 7/	Ky Bluegrass	100 (110)
		Perennial Ryegrass	60 (70)
		Creeping Red Fescue	40 (50)
1A	Salt Tolerant	Bluegrass	60 (70)
	Lawn Mixture 7/	Perennial Ryegrass	20 (20)
		Audubon Red Fescue	20 (20)
		Rescue 911 Hard Fescue	20 (20)
		Fults Salt Grass 1/	60 (70)
1B	Low Maintenance	Fine Leaf Turf-Type Fescue 3/	150 (170)
	Lawn Mixture 7/	Perennial Ryegrass	20 (20)
		Red Top	10 (10)
		Creeping Red Fescue	20 (20)

# Section 250 - Selective Mowing Stakes (IDOT Standard Specifications)

- Formula for pounds of fertilizer nutrients applied –
   (Total pounds of mixed fertilizer)
  - X
     (percentage of each nutrient in the fertilizer applied)
     = pounds of each fertilizer nutrient
- Mowing Only the initial mowing will be paid for. Any subsequent mowing required to obtain a height of not more than 3 inches or to disperse mowed material will be considered as included in the cost of the initial mowing.



### Section 251 - Mulch (IDOT Standard Specifications)

Mulching Seeding Areas

Within 24 hours from the time seeding has been performed.
 On slopes steeper than 1:3 (V:H), mulch shall be applied the same day as seeded.

Method 1

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- This method shall consist of hand or machine application of straw
- mulch at the rate of 2 tons/acre. The mulch shall be loose enough to permit air to circulate but
- compact enough to reduce erosion.
- If baled mulch material is used, care shall be taken that the material is in a loosened condition and contains no lumps or knots of compacted material.

#### Section 251 - Mulch (IDOT Standard Specifications) Method 2 -This method shall consist of placing and stabilizing straw at the rat of 2 tons/acre over seeded areas. All requirements of Method

- I must be met plus the mulch shall be thoroughly stabilized.
   The Contractor has the option of any of the following procedures for stabilizing the straw.
   Procedure 1 This procedure consists of anchoring the straw into the
- soil by means of a mechanical stabilizer with dull blades or disks.
- Procedure 2 This procedure consists of stabilizing the straw with an approved mulch blower followed immediately by an overspray application of hydraulic mulch.

### Section 251 - Mulch (IDOT Standard Specifications)

#### Method 2 (Continued) –

- Procedure 3 This procedure shall consists of stabilizing the straw with a chemical mulch binder. The chemical mulch binder may be applied simultaneously with the straw or as an overspray.
  - Simultaneous Application Coated straw is placed by equipment which will blow or eject, by means of a constant air stream.
  - · Overspray Application Performed according to Procedure 2.
  - The chemical mulch binder shall be approved by the Engineer and shall be applied at the rate recommended by the supplier and approved by the Engineer.

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#### Section 251 – Erosion Control Blanket (IDOT Standard Specifications)

Erosion Control Blanket –

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- May be placed using either excelsior blanket or knitted straw blanket. The blanket shall be placed within 24 hours after seeding operations have been completed on the areas specified.
- If, as a result of rain, the prepared seed bed becomes crusted or eroded, or if eroded places, ruts, or depressions exist for any reason, the Contractor shall rework the soil until it is smooth and reseed such areas which are reworked.
- After the area has been properly shaped, fertilized, and seeded, the blanket shall be laid out flat, evenly, and smoothly, without stretching the material. The blankets shall be placed so that the netting is on the top and the fibers are in contact with the soil.

#### Section 251 (IDOT Standard Specifications) • Erosion Control Blanket – • Anchoring the blankets in ditches and on slopes vary depending on the type of blanket (Excelsior Blanket, Knitted Straw Blanket, and Heavy Duty Erosion Control Blanket).

- Method of Measurement
  - Per acre for Mulch, Method 1; Mulch, Method 2; Mulch Method 3; or Mulch Method 4.
  - Per square yard for Erosion Control Blanket or heavy Duty Erosion Control Blanket.

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#### Article 253.08 – Excavation of Plant Holes (IDOT Standard Specifications)

- The sides of all plant holes shall be saucer shaped with the proportions being the width equal to three times the depth.
   On slopes, the depth of excavation will be measured at the
- center of the hole. > Excess material excavated from the holes shall be spread in
- The excavated material shall not be stockpiled on turf or in ditches.
   The excavated material shall not be stockpiled on turf or in ditches.
- The sides of holes shall not be glazed or smooth.
- (a) Excavation for Trees. Holes for trees shall be dug at the location indicated by the marking flags. The diameter and depth of the hole shall be according to the following chart. (see next slide for Chart)

	PLANT MATERIAL SIZE	DIAMETER OF BALL (W)	MINIMUM BALL DEPTH (D)	PLANTING HOLE WIDTH (3W)	
	4ft (1.2 m) < 8 ft (2.4 m) (height)	14 in. (355 mm) < 22 in. (560 mm) Shrubs	10.5 in. (270 mm) < 14.5 in. (370 mm) Shrubs	42 in. (1070 mm) < 66 in. (1680 mm) Shrubs	
	8 ft (2.4 m) < 12 ft (3.6 m) (height)	16 in. (400 mm) < 28 in. (700 mm) Evergreens	12 in. (300 mm) < 18.5 in. (470 mm) Evergreens	48 in. (1220 mm) < 84 in. (2140 mm) Evergreens	
	1 in. (25 mm) < 2 in. (50 mm) (diameter)	22 ln. (560 mm) < 38 in. (960 mm) Shrubs	14.5 in. (370 mm) < 23 in. (585 mm) Shrubs	66 in. (1680 mm) < 114 in. (2900 mm) Shrubs	
	2 in. (50 mm) < 3 in. (75 mm) (diameter)	28 in. (700 mm) < 38 in. (960 mm) Evergreens	12 in. (300 mm) < 23 in. (585 mm) Evergreens	84 in. (2140 mm) < 114 in. (2900 mm) Evergreens	
	3 in. (75 mm) < 4 in. (100 mm) (diameter)	16 in. (400 mm) < 24 in. (600 mm)	12 in. (300 mm) < 16 in. (400 mm)	48 in. (1220 mm) < 72 in. (1830 mm)	
	4 in. (100 mm) < 5 in. (125 mm) (diameter)	24 in. (600 mm) < 31 in. (775 mm)	16 in. (400 mm) < 19.5 in. (495 mm)	72 in. (1830 mm) < 93 in. (2300 mm)	
	5 in. (125 mm) or larger (diameter)	31 in. (775 mm) < 42 in. (1070 mm)	19.5 in. (495 mm) < 25 in. (635 mm)	93 in. (2300 mm) < 126 in. (3200 mm)	
		42 in. (1070 mm) < 53 in. (1340 mm)	25 in. (635 mm) < 32 in. (780 mm)	126 in. (3200 mm) < 150 in. (4000 mm)	
		53 in. (1340 mm) or larger (diameter)	32 in. (780 mm) or larger (diameter)	150 in. (4000 mm) or larger (diameter)	
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### Article 253.10 - Planting Procedures (IDOT Standard Specifications)

- When directed by the Engineer, the backfill shall consist of suitable soil removed from the hole and topsoil as needed to match the level of the existing grade. If the existing soil is determined to be unsuitable, the backfill shall consist of topsoil as approved by the Engineer. Topsoil shall be stockpiled only at locations approved by the Engineer.
- The backfill soil at the time of planting shall be capable of providing a sound growth environment and be in a loose, friable condition. At no time shall the backfill or other topsoil used on the job be stockpiled on turf or in ditches.

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## Article 253.10 - Planting Procedures (IDOT Standard Specifications)

- Balled and Burlapped Plants After the plant is placed in the hole, all cords and burlap shall be removed from the trunk. Wire baskets shall be removed from at least the upper one half of the planting ball. All materials shall be disposed of properly.
- Container Grown Plants Prior to placing the plant in the hole, the container shall be removed with care so as not to disturb the ball of soil that contains the root system. During the planting operation, care shall be taken not to destroy the solidity of the ball of soil. Pots which will decompose in one growing season shall be removed to a point just below the surface of the ground.

## Article 253.10 - Planting Procedures (DOD Standard Specifications) Bare Root Plants - The roots shall be carefully spread in a natural position and prepared backfill shall be worked to eliminate air pockets. The plant shall be gently raised and lowered to assure contact of the roots with the soil. Seedling Plants - When seedlings are removed from storage for planting, they shall be transported to the planting site in containers of water and the roots shall be continuously immersed until planted. Any unplanted seedlings left at the end of each day shall be removed from the water, the roots wrapped in moist materials and the seedlings placed in storage.







12 inches	=	1 foot
3 feet	=	1 vard
5,280 feet	=	1 mile
1 Station	=	100 feet
1 Sq. Yd.	=	9 Sq. Ft.
1 Acre	=	43,560 Sq. Ft.
ı Cu. Yd.	=	27 Cu. Ft.











	IDOT Letting Schedule					Π	
	Transportation Bulletin	Pre-Qualification *Cut Off*	Joint Venture "Cut Off"	Bid Authorization "Cut Off"	Letting Day	DBE Utilization Plan (SBE 2025 and SBE 2026)	
	12/9/2011	12/30/2011	1/13/2012	1/17/2012	1/20/2012	Submit With Bid	
	12/20/2011	12/30/2011	1/13/2012	1/17/2012	1/20/2012	Submit With Bid	
l í	2/3/2012	2/17/2012	3/2/2012	3/6/2012	3/9/2012	Submit With Bid	
۲ ۲	3/23/2012	4/6/2012	4/20/2012	4/24/2012	4/27/2012	Submit With Bid	
	5/11/2012	5/25/2012	6/8/2012	6/12/2012	6/15/2012	Submit With Bid	
	6/29/2012	7/13/2012	7/27/2012	7/31/2012	8/3/2012	Submit With Bid	
	8/17/2012	8/31/2012	9/14/2012	9/18/2012	9/21/2012	Submit With Bid	
	10/5/2012	10/19/2012	11/2/2012	11/7/2012	11/9/2012	Submit With Bid	
	12/7/2012	12/28/2012	1/11/2013	1/15/2013	1/18/2013	Submit With Bid	
	2/1/2013	2/15/2013	3/1/2013	3/5/2013	3/8/2013	Submit With Bid	
	3/22/2013	4/5/2013	4/19/2013	4/23/2013	4/26/2013	Submit With Bid	
Y	5/10/2013	5/24/2013	6/7/2013	6/11/2013	6/14/2013	Submit With Bid	
	6/20/2012	7/10/2018	7/26/2012	7/20/2012	0/2/2012		

