

slopes)			
3B Low Growing Slope Mixture (Use for steeper than 3:1 slopes)	Hard Fescue (<i>Festuca longifolia</i>) Creeping Red Fescue (<i>Festuca rubra</i>) Annual Ryegrass (<i>Lolium multiflorum</i>)	1.3 0.8 0.23	6.35 3.90 1.12
3C Crown Vetch Mixture (Use for steeper than 3:1 slopes)	Crown Vetch (<i>Coronilla varia</i>) Perennial Ryegrass (<i>Lolium perenne</i>) Annual Ryegrass (<i>Lolium multiflorum</i>)	0.9 1.8 0.3	4.39 8.79 1.46
4A Native Grass Mixture(Use for flatter than 2:1 slopes and seeding and mulch for wild life)	Big Blue Stem (<i>Andropogon gernadi</i>) Indian Grass (<i>Sorghastrum nutans</i>) Switch Grass (<i>Panicum virgatum</i>) Annual Ryegrass (<i>Lolium multiflorum</i>)	0.07 0.09 0.02 0.11 (spring) 0.34 (fall)	0.34 0.44 0.097 0.54 (spring) 1.66 (fall)
4B Low Growing Native Grass(Use for flatter than 2:1 slopes seed and mulch for wildlife and roadside mixture)	Little Blue Stem (<i>Andropogon scoparius</i>) Side-Oats Gramma (<i>Boutelova curtipendula</i>) Prairie Dropseed (<i>Sporobolus heterolepis</i>) Annual Ryegrass (<i>Lolium multiflorum</i>)	0.18 0.04 0.04 0.11 (spring) 0.34 (fall)	0.88 0.19 0.19 0.54 (spring) 1.66 (fall)
5A Annual and Perennial Wildflower Mixture(Use flatter than 2:1 slopes and for seeding and mulch for wildlife)	Annual Mixture (below) Perennial Wildflower Mixture (below) Annuals Mixture - not exceeding 25% by weight of any one species of the following: Corn Poppy (<i>Papaver rhoeas</i>) Cosmos (<i>Cosmos bipinnatus</i>) Yellow Cosmos (<i>Cosmos sulphureus</i>) Cornflower (<i>Centaurea cyanus</i>) Rocket Larkspur (<i>Delphinium ajacis</i>) Indian Blanket (<i>Gaillardia pulchella</i>) Perennial Wildflower Mixture - not exceeding 5% by weight PLS of any one species of the following: Black-eyed Susan (<i>Rudbeckia hirta</i>) Purple Coneflower (<i>Echinacea purpurea</i>) Lance-leaved Coreopsis (<i>Coreopsis lanceolata</i>)	0.07 0.28	0.34 1.37
CLASS - TYPE	SEEDS	Lbs/1000 Sq Ft	Kg/1000 m²
5B Native Wildflower and Grass Mixture(Use for flatter than 2:1 slopes and for seeding and mulch for wildlife)	Native Wildflower Mixture - not exceeding 5% by weight PLS of any one species of the following: Butterflyweed (<i>Asclepias tuberosa</i>) New England Aster (<i>Aster novae-angliae</i>) Partridge Pea (<i>Cassia fasciculata</i>) Purple Coneflower (<i>Echinacea purpurea</i>) Rattlesnake Master (<i>Eryngium yuccifolium</i>) Ox-eye Sunflower (<i>Heliopsis helianthoides</i>) Bergamot (<i>Monarda fistulosa</i>) Grey-headed Coneflower (<i>Ratibida pinnata</i>)	0.34	1.66

	Orange Coneflower (<i>Rudbeckia fulgida</i>) Prairie Dock (<i>Silphium terebinthin</i>) Whorled Rosinweed (<i>Silphium trifolium</i>) Stiff Goldenrod (<i>Solidago rigida</i>) Grass Mixture Big Blue Stem (<i>Andropogon gerardii</i>) Little Blue Stem (<i>Schizachyrium scoparium</i>) Indian Grass (<i>Sorghastrum nutans</i>) Annual Ryegrass (<i>Lolium multiflorum</i>)		
		0.046 0.069 0.023 0.92	0.224 0.337 0.112 4.49
6 Wildlife Mixture (Use flatter than 2:1 slopes and for seeding and mulch for wildlife)	Big Blue Stem (<i>Andropogon gernadi</i>) Little Blue Stem (<i>Andropogon scoparius</i>) Indian Grass (<i>Sorghastrum nutans</i>) Ox-eye Sunflower (<i>Heliopsis helianthoides</i>) Prairie Dock (<i>Silphium terebinthinaceum</i>) Purple Coneflower (<i>Echinacea purpurea</i>) Whorled Rosinweed (<i>Silphium trifolium</i>) Downy Sunflower (<i>Hellanthus mollis</i>) New England Aster (<i>Aster novae-angliae</i>) Annual Ryegrass (<i>Lolium multiflorum</i>)	0.13 0.18 0.13 0.18 0.18 0.18 0.11 0.07 0.07 0.11 (spring) 0.34 (fall)	0.63 0.88 0.63 0.88 0.88 0.88 0.54 0.34 0.34 0.54 (spring) 1.66 (fall)
7 Temporary Erosion Control Mixture	Annual Ryegrass (<i>Lolium multiflorum</i>)	2.02	9.86

870.12 Site Preparation. The Contractor shall complete all grading within the areas to be covered with the topsoil or prepared for the seed under this item necessary to bring the surface to the proposed grade to the lines indicated on the plans. These areas are to be free from rock or other foreign material of 3 inches (75 mm) or greater in any dimension, except for shale cuts. Track the surface with the dozer cleats or other methods to open up the soil to receive the seed, topsoil or compost. The tracking shall be perpendicular to the natural flow of water except for areas 4:1 or flatter.

870.13 Placing Topsoil. Topsoil shall be placed in a loose lift to construct a compacted depth of 4 inches. The surface of the topsoil shall be at the finished grade as shown in the plans. " .

When pneumatic or hydraulic methods are used, the seed may be mixed with the topsoil and placed in the same operation. When this alternative method is used, the topsoil shall be tracked, or lightly compacted after the fertilizer, lime or other soil amendments are placed.

All seed bed areas or topsoil, including slopes flatter than 2 to 1 shall be free of rock and other foreign material 2 inches (50 mm) or greater in any dimension. All seed bed areas or top soil with 2 to 1 slopes or steeper shall be free of rock and other foreign material 3 inches (75 mm) or greater in any dimension but shall not be fine graded.

After the topsoil is placed the area shall be tracked back and forth to achieve good contact between soil and slope surface.