Infiltration Basins and Dry Swales

Latin Name	Common Name	Submerged & Emergent (water depth in	Pond Edge & Permanent Water	Over sand	Lower slopes & bioretention base	Upper slopes	Height (feet)	Spacing (feet)	Seasonal Interest - Color and Months	J	F	M	A	M	J	J	A	S	O	N	D	Sun	Pt Sun	Pt Shade	Shade	Dry	Medium	Wet	Birds	Butterflies	Fall Color	Winter interest	Flood frequency tolerance	Flood height tolerance	Flood duration tolerance (days)	Salt tolerance	Aggressiveness	Silt tolerance
Grasses/Sedges																																						
Andropogon virginicus	Broomsedge			x		x	1-2	1.5	orange								x	x	x	x	x	x				x			x		x	x	L		1		M	L
Bouteloua curtipendula	Sideoats grama			x		x	1-2	1	tan							x	x	x	x	x		x				x	x		x			x	L		1		L	L
Carex muskingumensis	Palm sedge		x	x	x		1-2	1.5	tan					x	x	x	x					x	x	x	x	x	x	x	x				H	24	3+		M	H
Carex praegracilis*	Tollway sedge		x		x	x	1-2	2	tan				x	x	x							x	x			x	x	x	x				H	12	2	H	H	H
Carex vulpinoidea	Fox sedge		x		x		2-3	1.5	tan					x	x	x						x	x	x			x	x					H	24	3+	L	L	H
Panicum virgatum	Switchgrass			x	x	x	3-6'	2.5'	pink	x	x					x	x	x	x	x	x	x	x	x			x	x	x		x		M	12	2	M	M	M
Schizachyrium scoparium	Little bluestem			x		x	2-4	1.5	bronze								x	x	x	x	x	x				x	x		x		x	x	L	12	1	M	L	L
Sporobolus heterolepis	Prairie dropseed				x	x	2-3	1.5	tan								x	x	x	x	x	x				x	x		x			x	L				L	
Forbs																																						
Asclepias tuberosa	Butterfly milkweed			x		x	1-2	1.5	orange						x	x	x					x				x	x			x			L			V	M	
Baptisia australis	Blue wild indigo						3-4	3-4	blue					x	x							x	x	x		x	x			x			L				M	
Blephilia ciliata	Ohio horsemint					x	1-2	1.5	pink				x	x									x	x	x	x	x			x		x	L					
Coreopsis lanceolata	Lanceleaf coreopsis			x		x	1-2	1.5	yellow			x	x	x								x	x			x	x			x			L		1		L	
Echinacea purpurea	Purple coneflower				x	x	2-3	1.5	t. purple						x	x	x						x	x	x	x	x		x	x			L				L	
Eryngium yuccifolium	Rattlesnake master				x	x	4-5	1.5	green						x	x	x	x				x				x	x			x		x	M	12	2	M	L	
Pycnanthemum tenuifolium	Slender Mountain Mint			x	x	x	2-3	1.5	white							x	x	x				x	x	x		x	x						L		1		M	
Ratibida pinnata	Yellow/Grey coneflower			x	x	x	3-5	1.5	yellow						x	x	x					x				x	x		x	x			M	12	1	M	H	L
Rudbeckia subtomentosa	Sweet coneflower				x	x	3-4	2	yellow						x	x	x	x				x	x				x	x		x		x	H	12	2		M	
Scutellaria incana	Hoary skullcap				x		2-3	2	blue						x	x	x							x	x	x	x			x			L					L
Solidago rigida	Stiff goldenrod				x	x	3-5	1.5	yellow								x	x				x					x					x	L	12	2	M	H	L
Verbesina helianthoides	Yellow wingstem			x	x	x	2-3	1.5	yellow						x	x						x	x	x		x	x		x	x							M	
Zizia aurea	Golden alexander					x	1-3	1.5	yellow				x	x								x	x	x			x			x			H	12	1	M	H	U
Trees/Shrubs																																						
Cornus florida	Flowering dogwood			x	x	x	10-20	15	white			x	x					x	x	x	x		x	x	x	x	x		x		x	x	L			L	L	L
Diospyos virginiana	Persimmon			x	x	x	30-40	20	orange				x	x				x	x	x		x	x	x		x	x		x		x	x	M	12	1		M	M
Ostrya virginiana	Hophornbeam				x	x	20-30	20	green									x	x				x	x	x	x	x						L				L	L
Quercus muhlenbergii	Chinquapin oak				x	x	40-50	35	green									x	x				x	x	x	x	x					x	L			H	L	L

Requirements

Local Ecotype Rule: Plants of Missouri or Southern Illinois ecotype are required.
Must use a minimum of 5 grass/sedge species and 8 forb species for each BMP.
Each species must consist of between 5% - 15% of the total plant count for each BMP.
Refer to Planting, Water, and Mulch Requirements for Stormwater BMP's for plant sizes and irrigation requirements
Biodegradable erosion blanket must be used on slopes greater than 10%.
Erosion blankets must be coarse to allow varying leaf sizes (examples include Geojute, Curlex #1 and NorthAmerican Green S75 single net straw blanket, or equivelant)
*Experimental for practice and/or limited availability in commercial trade