

Designer Notes: Revegetation Plan for Bridge Reconstruction Contracts. Discuss with the District Landscape Architect before using.

Purpose:

- a) To reestablish vegetation along stream corridors where bridge construction has removed the existing vegetation.
- b) To mitigate impacts of tree removal on all bridge projects.
- c) To assist in erosion control and establish desirable trees in the area.

Special Considerations:

- a) Tree species that grow in the area and naturally grow along stream banks will be selected.
- b) Trees will be potted to allow extended planting dates.
- c) A clear zone of 12 m (40 ft.) from the structure or edge of pavement must be maintained. This is to prevent shading of the structure during the winter months.
- d) Use with bridge reconstruction projects where several or large trees are being removed.
- e) A drawing showing proposed tree locations must be included in the plans.
- f) Check with Landscaping before using.

7-1-94 Revised D.N., D.S.P. and Article.

TREE WHIP MIXTURE

Effective August 15, 1991 Revised April 25, 2008

Required Tree Species:

The planting shall be an equal mixture of at least five of the nine tree species listed below:

1. *Acer rubrum* – Red Maple
2. *Betula nigra* – River Birch
3. *Gymnocladus dioicus* – Kentucky Coffetree
4. *Taxodium distichum* – Bald Cypress
5. *Tilia Americana* – Basswood
6. *Platanus occidentalis* – America Sycamore
7. *Carya illinoensis* – Pecan
8. *Quercus palustris* – Pin Oak
9. *Quercus bicolor* – Swamp White Oak

Size of the above trees shall be a #5 container at 4' – 5'.

Planting shall be done in accordance with Article 253 (Planting Woody Plants) with the following revisions:

Change **Article 253.03** to read:

Because the trees are container grown, the spring planting season can be extended to June 30th and the fall planting season will begin on September 30th.

Add to **Article 253.07**:

Trees shall be planted at an interval of 10 ft. by 10 ft. with the rows staggered a distance of 5 feet.

Add to the end of **Article 253.08**:

When a drill is used to excavate plant holes, a spade shall be used to score the hole sides. Scoring shall be approximately 1-inch deep to break the smooth sides left from the drilling operation. As directed by the Engineer, 30-inch to 36-inch holes shall be scored at six (6) locations.

Revise the first paragraph of **Article 253.10**:

The existing soil at each location shall be mixed with peat moss and used as the prepared backfill. The soil shall be in a loose, pliable condition at the time of planting. The amount of peat moss shall be as follows:

- a) 30-inch holes – 1.00 cu. ft. of peat moss
- b) 36-inch holes – 1.50 cu. ft. of peat moss

All plants, except seedlings, shall be fertilized at the time of planting with prolonged release fertilizer tablets having an analysis of 20-110-5 and weight of 21 grams. The tablets shall be placed evenly around each plant at the following rates:

- a) 30-inch holes – 8 tablets
- b) 36-inch holes – 10 tablets

Add to **Article 253.11**:

The mulch to be used shall be shredded bark mulch.

Delete **Articles 253.12, 253.13 and 253.14**.

Revise **Article 253.15** to read:

Final inspection of all trees will be made at the final inspection of the contract. Plants that do not meet the requirements for acceptance will be replaced at that time.

Revise **Article 253.17** to read:

This work will be paid for at the contract unit price Each per tree for TREE WHIP MIXTURE.