



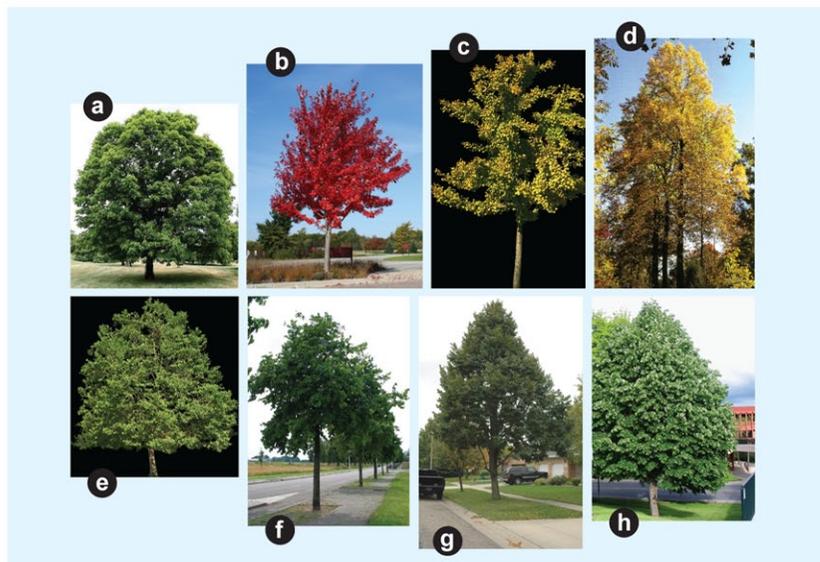
# Process for Tree Replacement

## How Will a Replacement Tree Be Selected?

**Development of an initial list of candidate trees.** Jefferson National Expansion Memorial staff, with assistance from the National Park Service Olmsted Center for Historic Landscape Preservation and other resources, developed a list of more than 500 trees including information about form, culture, and maintenance requirements.

**Selection of a "short list" of trees.** Trees were eliminated from the list during a workshop in July 2010 using a clear set of criteria reflecting NPS priorities for the Memorial grounds. After narrowing down to a list of 68 trees based on factors including form and hardiness, the working group eliminated others through discussion, documenting the reasons for removing each from consideration.

**Selection of a final list of trees.** A total of 8 tree species were identified as the preferred replacements for the Rosehill Ash. Discussion about tree selection will continue in coordination with park planning initiatives as well as the planning phase of The City+The Arch+The River 2015 International Design Competition.



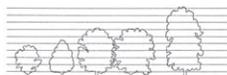
## Potential Replacement Trees:

- a. Miyabei maple (*Acer miyabei*)
- b. Freeman maple (*Acer x fremanii*)
- c. Ginkgo (*Ginkgo biloba*)
- d. Tulip poplar (*Liriodendron tulipifera*)
- e. London planetree (*Platanus x acerifolia*)
- f. Trazel Turkish filbert (*Corylus x columoides*)
- g. American linden (*Tilia americana*)
- h. Silver linden (*Tilia tomentosa*)

## Tree Selection Criteria

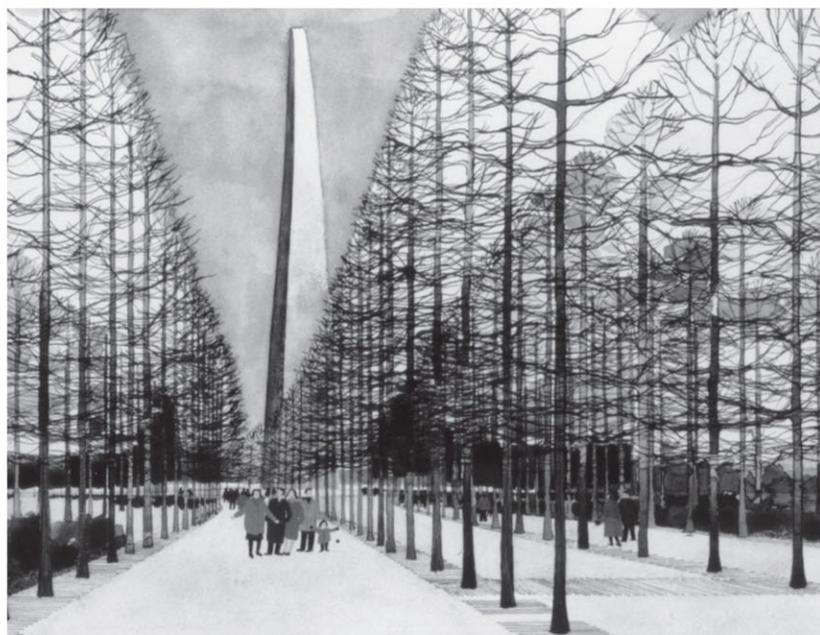
**1: Design Intent + Form.** Eero Saarinen and Dan Kiley selected trees for their architectural form.

- Level 1: Trees that Kiley recommended by name for the single-species tree plantings. These include Ginkgo, Honeylocust, Tulip poplar, London planetree, and Eastern cottonwood.
- Level 2: Trees with a form closely resembling Kiley's design drawings and descriptions of preferred form: deciduous canopy around 40-70 feet tall; rounded oval, upright, or pyramidal shape; single straight trunk with horizontal branching.



**2: Critical Compatibility.** Factors that could result in mortality or poor performance for the entire planting: hardiness, intolerance of typical site conditions, and susceptibility to untreatable disease or pests.

**3: Maintenance Considerations.** Factors that are not critical to survival, but could result in higher costs or more effort to maintain: controllable pests and diseases, borderline hardiness, nuisance (fruit, seeds), native vs. non-native.



## EA Process

An Environmental Assessment (EA) is weighing potential impacts of the tree replacement action on the Memorial grounds, including phasing, staging, and disruptions to visitor experience. The EA is expected to be completed in Spring 2011.

Public comment and information are an important part of the EA process. We look forward to hearing from you.

