

## **safety and design criteria**

### Structural solutions **cannot:**

- require the removed of security fence
- make it easier to climb security fence
- create road obstructions in entrance roads. Entrant roads must be at least 20 feet wide and 90 ft turning radius from the main road
- result in increased Oncor O&M costs
- require replacement, removal or burial of substation or transmission lines
- inhibit drivers' sight lines or create driving hazards as determined

### Structural solutions **must:**

- be able to withstand a 100 mph wind.
- must be installed outside of security fence.
- must be 25 feet from the security fence or existing structures (on Oncor property)
- fall below 20 ft of any over head line.

### Structural solutions **should:**

- include two phases:
  - First phase: A temporary and incremental solution for immediate, cost effective installment
  - Second phase: Long term permanent solution that builds upon first phase
- use materials and methods reflecting best sustainable practices
- create a welcoming environment for drivers and pedestrians
- encourage pedestrian use and create sense through a visually attractive solution

### Vegetation:

- cannot exceed 15 feet at mature height if planted in transmission right of way.  
Acceptable vegetation is as follows:
  - Texas Mountain Laurel – *Sophora secundiflora*
  - Japanese Maple – *Acer palmatum* var.
  - Yaupon Holly – *Ilex vomitoria*
  - Rusty Black Haw – *Viburnum rufidulum*
  - Flame Leaf Sumac – *Rhus lanceolata*
  - Rough-leaf Dogwood – *Cornus drummondii*
  - Vitex – *Vitex angus-castus*
  - Mexican Plum – *Prunus Mexicana*
  - Viburnam – *Viburnam* spp.
  - Chinese Photinia – *Photinia serrulata*
  - Texas Persimmon – *Diospyros texana*
  - Mexican Buckeye – *Ungnadia speciosa*
  - Peach – *Prunus persica*
  - Possumhaw – *Ilex deciduas*

*Note: Oncor has final approval of any structure(s), encroachments or improvements on the Oncor property*