

Guidance for MassDOT Tree Preservation & Care Bid Items

| Category | When Use | Item# | Description | Unit | Submittals | Comments | Types of Use |
|-------------------------------------|---|---------|---|-----------------|----------------------------------|---|---|
| Individual Tree Protection Measures | Equipment Operating Near Trunk | 102.511 | TREE PROTECTION—ARMORING AND PRUNING | EA | If requested | <ul style="list-style-type: none"> No arborist in item Use w/102.55 if decisions deferred to Construction OR when need is unknown | For deciduous trees over 4 inches in caliper. Typically for street tree protection. |
| | Work in Critical Root Zone (CRZ) ¹ | 102.513 | TREE PROTECTION—AIR EXCAVATION AND ROOT PRUNING | FT ² | If requested | <ul style="list-style-type: none"> No arborist in item Use w/102.55 | Select or priority ³ trees where root pruning is required. |
| | | 102.514 | TREE PROTECTION—MATTING FOR ROOT PROTECTION** | TBD | TBD | Where work in CRZ is necessary. | High priority trees or per designer. |
| Plant Protection Fencing | Establish Tree & Plant Protection Zone (TPPZ) | 102.521 | TREE & PLANT PROTECTION FENCE | FT ⁴ | No | When work is near or within drip line/canopy limit. Visibility stakes are preferred to reduce plastic waste. | <ul style="list-style-type: none"> Individual trees, evergreens, trees < 4” caliper, forest edge, groups of trees. To protect desirable vegetation. |
| | | 102.522 | TREE & PLANT PROTECTION FENCE-CHAIN LINK | FT | No | When work is near or within drip line/canopy limit and extra durable barrier needed. | <ul style="list-style-type: none"> High priority trees or areas Hard surfaces/public places Staging or other construction activity near desirable plants |
| | | 102.523 | TREE & PLANT PROTECTION FENCE-VISIBILITY STAKES | FT | No | Use in lieu of plastic fencing for general use. | |
| Tree Care | Pruning & Health | 102.531 | TREE CARE – PRUNING | EA | Qualifications | Consult with MassDOT Landscape Design Section. | Pruning beyond minor limb pruning for construction access or when there is no Item 102.511. |
| | | 102.532 | TREE CARE - SOIL INJECTION FERTILIZATION** | EA | Yes | Consult with MassDOT Landscape Design Section. | Remediation/care for priority trees and for certain situations. |
| | | 102.533 | TREE CARE - WATERING | Gallon | Watering Schedule & Meter Record | Use with 102.513 or other Tree Care items. | Trees of higher priority or concern and as noted on plan or in specs. |
| TBD | TBD | 102.54x | TBD | | | | |
| Specialist Services | Specialist Required | 102.55 | ARBORIST | HR | Qualifications | Recommended when expertise is required. | As necessary. Spec must be modified per specific project. |

NOTES:

¹CRZ = Radius measures 1 foot per 1 inch of diameter at breast height from the trunk outwards and twenty-four inches deep.

²FT Length = Trunk Diameter at Breast Height (DBH) x 2 (2 feet per 1- inch DBH) will provide the minimum root zone area to be protected. Length of excavation shall be based on the cut through that root zone area.

³Priority Tree: Examples include ≥10” caliper, urban corridor, private property, specialty tree, isolated tree, as determined by Designer or Landscape Design Section.

⁴Fence location and extent: Apply formula for Air Excavation to get approximate root zone area to be protected. Fence shall be placed at limit of area (as far from trunk as possible) to the extent feasible.

**No Special Provisions available. Consult with MassDOT Landscape Design Section on Items and Special Provisions.