# ITEM 102.55 ARBORIST HOUR

***Designer:***  *Please modify the Scope of Work below to the specific services needed from the Arborist for each project. Consult with MassDOT Landscape Design as needed.*

*REV. 2022.01.01 (REV. DATE TO BE REMOVED BY CONTRACTS)*

## DESCRIPTION

The work under this Item is for the services of a Certified Arborist. Arborist shall be an International Society of Arboriculture (ISA) Certified Arborist or a Massachusetts Certified Arborist. The Arborist shall have at least 10 years of experience in tree care, including tree protection during construction, and shall demonstrate a familiarity with the American National Standards Institute (ANSI) A300 Standard Practices for Tree, Shrub, and Other Woody Plant Maintenance Part 1Pruning, Part 5 Construction Management Standards, and Part 9 Tree Risk Assessment.

The Arborist’s general responsibilities include protecting high priority trees within and adjacent to the project limits, stating areas, and access routes; recommending removal of diseased, damaged or otherwise unhealthy trees that pose a potential safety hazard; evaluating effects of construction on future health of trees close to proposed work; and recommending and/or overseeing tree work amd care.

The Arborist for this item shall not be from the same company as the company responsible for selective clearing or tree removal work.

For projects with multiple phases, projects where construction activities (work or stockpiling) shifts, or when otherwise directed by the Engineer, the Arborist shall re-evaluate conditions and provide follow-up recommendations.

## SUBMITTALS

* Contractor shall submit to the Engineer for approval by MassDOT Landscape Design the qualifications and experience of the Arborist. Submittal shall include copy of current certification and a resume summarizing specific construction experience (including relevant MassDOT projects) for a minimum of five projects.
* Arborist’s Report documenting recommendations shall be submitted to the Engineer and an electronic copy forwarded to MassDOT Landscape Design Section. Report shall include the following:

## SCOPE OF WORK

The Arborist shall be responsible for the following tasks:

*[Select, remove or otherwise modify as appropriate to project. Not all items are typically needed in all projects with an Arborist. Consult with MassDOT Landscape Design as needed.]*

* Initial Evaluation and Report
* recommend and prioritize trees that require removal as appropriate to contract scope, project limits, and project intent;
* review and modify, if necessary, tree protection measures shown on the drawings
* review and mark limits of protective fencing for trees and groups of trees to be retained;
* review and recommend protection measures for high priority trees;
* submit a marked-up Construction Plan that briefly notes recommendations and decisions made in the field;
* submit a corresponding report including photo documentation;
* Oversight
* direct or execute pruning of branches and/or roots, air spading, and/or other tree care operations
* Monitoring and Inspections
* periodically inspect fencing and ensure root zones are properly protected and clear of equipment and materials as required by the Engineer
* reevaluate tree protection measures for various phases of a project
* submit inspection notes with relevant and dated photos to the Engineer.
* Special Care
* oversee tree pruning for health and aesthetics
* recommend fertilization and amendments
* recommend and oversee pest control

## METHODS

Prior to any work, the Arborist shall walk the site with the Contractor, the Engineer, the Town Tree Warden, and, if specified, the MassDOT Landscape Architect, to review trees, limits of construction activities, and other concerns. Where required for proper assessment of tree impacts, limits of work shall be staked or otherwise marked in the field prior to the site walk.

Trees to be removed shall be painted or otherwise marked.

Trees to be retained shall be marked such that it does not mar or damage the tree and such that marker is not easily removed. As applicable to the work and scope of the project, trees designated for removal or to be retained shall be noted on the plan and/or in the arborist’s report and photographed.

Trees designated to remain that are damaged or removed by construction activities shall be noted and photographed for inclusion in inspection reports submitted to the Engineer.

## MEASUREMENT AND BASIS OF PAYMENT

Item 102.55 will be measured for payment by the Hour of time spent onsite.

Item 102.55 will be paid at the contract unit price per hour upon submittal and acceptance of Reports described above.