

## Shelby Bottoms

### Trees inventoried at pedestrian bridge relocation site

| Tree ID | Species                        | Common Name       | Size (DBH) | Condition | Field Notes   | Potential Impact and Maintenance |
|---------|--------------------------------|-------------------|------------|-----------|---|----------------------------------|
| 2       | <i>Prunus serotina</i>         | Black cherry      | 8          | Good      | Vines choking tree  | Highly likely; remove            |
| 3       | <i>Liquidambar styraciflua</i> | Sweetgum          | 7          | Good      | Vines choking tree  | Highly likely; remove            |
| 7       | <i>Platanus occidentalis</i>   | American sycamore | 7          | Fair      | 3 main leaders; vines choking tree  | Highly likely; remove            |
| 8       | <i>Platanus occidentalis</i>   | American sycamore | 7          | Good      | Vines choking tree  | Highly likely; remove            |
| 1S      | <i>Platanus occidentalis</i>   | American sycamore | 6          | Good      | Vines choking tree; two trunks; DBH averaged  | Highly likely; remove            |
| 13      | <i>Prunus serotina</i>         | Black cherry      | 9          | Good      | Vines choking tree  | Highly likely; remove            |
| 14      | <i>Juglans nigra</i>           | Black walnut      | 12         | Good      | Vines choking tree  | Highly likely; remove            |
| 15      | <i>Juglans nigra</i>           | Black walnut      | 7          | Good      | Vines choking tree  | Highly likely; remove            |
| 16      | <i>Gleditsia triacanthos</i>   | Honey locust      | 10         | Fair      | Included bark; vines choking tree   | Highly likely; remove            |
| 17      | <i>Celtis occidentalis</i>     | Common hackberry  | 18         | Poor      | Potentially hazardous; Vines; Codominant leaders; 1 dead leader leaning on ground; recommend removal, cannot prune tree due to canopy spread of second leader | Highly likely; remove            |
| 18      | <i>Platanus occidentalis</i>   | American sycamore | 15         | Good      | Vines choking tree  | Highly likely; remove            |

| Tree ID | Species                    | Common Name        | Size (DBH) | Condition | Field Notes   | Potential Impact and Maintenance  |
|---------|----------------------------|--------------------|------------|-----------|---|-----------------------------------|
| 19      | <i>Celtis occidentalis</i> | Common hackberry   | 25         | Fair      | Vines choking tree  | Definitely; remove (per Engineer) |
| 1A      | <i>Ailanthus altissima</i> | Tree of heaven     | 8          | Good      | Invasive  | Definitely; remove (per Engineer) |
| 2A      | <i>Ailanthus altissima</i> | Tree of heaven     | 9          | Good      | Invasive  | Definitely; remove (per Engineer) |
| 3A      | <i>Ailanthus altissima</i> | Tree of heaven     | 9          | Good      | Invasive  | Definitely; remove (per Engineer) |
| C       | <i>Populus deltoides</i>   | Eastern cottonwood | ~30        | Fair      | Potentially hazardous; Exposed roots on river side; DBH was estimated due to steep embankment     | Definitely; remove (per Engineer) |
| R       | <i>Quercus rubra</i>       | Red oak            | ~13        | Good      | Vines choking tree; DBH was estimated due to steep embankment                                     | Definitely; remove (per Engineer) |
| H       | <i>Celtis occidentalis</i> | Common hackberry   | ~25        | Good      | Vines choking tree; 2 trunks; DBH was estimated due to steep embankment                           | Definitely; remove (per Engineer) |
| S       | Snag                       | Snag               | 15         | Dead      | Dead; possibly hackberry  | Definitely; remove (per Engineer) |
| 20      | <i>Juglans nigra</i>       | Black walnut       | 6          | Good      | Vines choking tree  | Possible; could prune             |
| 21      | <i>Celtis occidentalis</i> | Common hackberry   | 11         | Fair      | Cavity at base  | Possible; could prune             |
| 22      | <i>Celtis occidentalis</i> | Common hackberry   | 9          | Poor      | Potentially hazardous; cavity at base; decay present in trunk                                     | Possible; could prune             |
| 23      | <i>Acer saccharinum</i>    | Silver maple       | ~12        | Poor      | Potentially hazardous; broken out limbs; decay present; DBH was estimated due to steep embankment | Remove                            |
| 24      | <i>Acer saccharum</i>      | Sugar maple        | ~16        | Good      | 2 trunks; DBH was estimated due to steep embankment (16" and 16" trunks)                          | Remove                            |

| Tree ID | Species                 | Common Name       | Size (DBH) | Condition | Field Notes   | Potential Impact and Maintenance |
|---------|-------------------------|-------------------|------------|-----------|---|----------------------------------|
| 25      | <i>Tilia americana</i>  | American basswood | 11         | Poor      | Vines choking tree; dead limbs present; dead limb broken out                        | Remove                           |
| 26      | <i>Quercus rubra</i>    | Red oak           | 12         | Good      | Vines choking tree  | Highly likely; remove            |
| 27      | <i>Prunus serotina</i>  | Black cherry      | 16         | Good      | Vines choking tree  | Highly likely; remove            |
| 28      | <i>Juglans nigra</i>    | Black walnut      | 11         | Good      | Vines choking tree  | Highly likely; remove            |
| 29      | <i>Carya ovata</i>      | Shagbark hickory  | 7          | Fair      | Vines choking tree  | Highly likely; remove            |
| 30      | <i>Carya ovata</i>      | Shagbark hickory  | 7          | Good      | Vines choking tree  | Highly likely; remove            |
| 31      | <i>Prunus serotina</i>  | Black cherry      | 7          | Good      | Vines choking tree  | Highly likely; remove            |
| 32      | <i>Acer saccharinum</i> | Silver maple      | ~20        | Fair      | Broken out limbs; 2" dead limbs; DBH was estimated due to steep embankment          | Highly likely; remove            |
| 33      | <i>Prunus serotina</i>  | Black cherry      | 8          | Fair      | Located at turn #1 of haul road (not on map); <2" dead limbs; broken out limbs      | Highly likely; remove            |
| 34      | <i>Prunus serotina</i>  | Black cherry      | 8          | Fair      | Located at HDPE crossing of haul road (not on map); broken out limbs; 2" dead limbs | Highly likely; remove            |

**Application for Tree Removal on Metro Property  
Under Executive Order 40**

Metro Department: *Parks-Greenways Division*

Department Contact: *Helen Tyson Siewers, Project Manager*

Location of Removal: *Shelby Bottoms Greenway, pedestrian bridge relocation*

Purpose of Removal: *Prepare site to relocate pedestrian bridge #5 on Shelby Bottoms Greenway*

Replacement Proposal (attach site plan): *Coordinate with Metro Parks, Friends of Shelby Park and Metro Water Services to plant at least 45 trees at Shelby Park and Cornelia Fort Airpark, both within the 960-acre park that includes the construction site for the relocated bridge.*

**Tree Review Panel**

Are the replacement standards met? Please note deficiencies or exceedances.

Signatures: Four Members required for quorum

|                       |                   |
|-----------------------|-------------------|
| Treff Alexander, GS   | Approved 11/8/19  |
| Rebecca Dohn, MWS     | Approved 11/7/19  |
| Eric Hammer, Planning | Approved 11/8/19  |
| Stephen Kivett, Codes | Approved 11/13/19 |
| Randall Lantz, Parks  | Recused           |
| Jennifer Smith, PW    | Approved 11/8/19  |

| Trees Proposed for Removal     |           |                       | Replacement Trees Required |             | Replacement Trees       |
|--------------------------------|-----------|-----------------------|----------------------------|-------------|-------------------------|
| Species                        | Condition | Condition Notes       | Size (DBH)                 | # New Trees | NOT Required Size (DBH) |
| <i>Prunus serotina</i>         | Good      |                       | 8                          | 1           |                         |
| <i>Liquidambar styraciflua</i> | Good      |                       | 7                          | 1           |                         |
| <i>Platanus occidentalis</i>   | Fair      |                       | 7                          | 1           |                         |
| <i>Platanus occidentalis</i>   | Good      |                       | 7                          | 1           |                         |
| <i>Platanus occidentalis</i>   | Good      |                       | 6                          | 1           |                         |
| <i>Prunus serotina</i>         | Good      |                       | 9                          | 1           |                         |
| <i>Juglans nigra</i>           | Good      |                       | 12                         | 2           |                         |
| <i>Juglans nigra</i>           | Good      |                       | 7                          | 1           |                         |
| <i>Gleditsia triacanthos</i>   | Fair      |                       | 10                         | 1           |                         |
| <i>Celtis occidentalis</i>     | Poor      | Potentially hazardous |                            |             | 18                      |
| <i>Platanus occidentalis</i>   | Good      |                       | 15                         | 2           |                         |
| <i>Celtis occidentalis</i>     | Fair      |                       | 25                         | 4           |                         |
| <i>Ailanthus altissima</i>     | Good      | Invasive              |                            |             | 8                       |
| <i>Ailanthus altissima</i>     | Good      | Invasive              |                            |             | 9                       |
| <i>Ailanthus altissima</i>     | Good      | Invasive              |                            |             | 9                       |
| <i>Populus deltoides</i>       | Fair      | Potentially hazardous |                            |             | 30                      |
| <i>Quercus rubra</i>           | Good      |                       | 13                         | 2           |                         |
| <i>Celtis occidentalis</i>     | Good      |                       | 25                         | 4           |                         |
| Snag                           | Dead      | Dead                  |                            |             | 15                      |
| <i>Juglans nigra</i>           | Good      |                       | 6                          | 1           |                         |
| <i>Celtis occidentalis</i>     | Fair      |                       | 11                         | 2           |                         |
| <i>Celtis occidentalis</i>     | Poor      | Potentially hazardous |                            |             | 9                       |
| <i>Acer saccharinum</i>        | Poor      | Potentially hazardous |                            |             | 12                      |
| <i>Acer saccharum</i>          | Good      |                       | 15                         | 3           |                         |
| <i>Tilia americana</i>         | Poor      |                       | 11                         | 2           |                         |
| <i>Quercus rubra</i>           | Good      |                       | 12                         | 2           |                         |
| <i>Prunus serotina</i>         | Good      |                       | 16                         | 3           |                         |
| <i>Juglans nigra</i>           | Good      |                       | 11                         | 2           |                         |
| <i>Carya ovata</i>             | Fair      |                       | 7                          | 1           |                         |
| <i>Carya ovata</i>             | Good      |                       | 7                          | 1           |                         |
| <i>Prunus serotina</i>         | Good      |                       | 7                          | 1           |                         |
| <i>Acer saccharinum</i>        | Fair      |                       | 20                         | 3           |                         |
| <i>Prunus serotina</i>         | Fair      |                       | 8                          | 1           |                         |
| <i>Prunus serotina</i>         | Fair      |                       | 8                          | 1           |                         |
|                                |           | <b>Totals</b>         | <b>290</b>                 | <b>45</b>   | <b>110</b>              |
|                                |           | Unit                  | Inches                     | Trees       | Inches                  |