Traffic Control Poles/Signage: These guidelines relate to all signals/traffic control poles, street names and other traffic related signage.

- Cable System Replacement: Replace all cable suspended traffic signals with rigid mast arm structures at signalized intersections.
- Sign Fastening System For Poles: Where signs are mounted to a new black street light pole or traffic control pole, they shall be mounted to the adjoining pole system with a black, powder coated band with TGIC Polyester Based Powders with UV inhibitors by Band-it.
- Street Name Panels: All traffic control poles at South State Street intersections shall have internally illuminated double-faced street name signs with underhung mounting as illustrated. At the on/off ramps at I-270 and South State Street, ramp panels shall be included for South State Street only.

Traffic Control Signage Locations: Where feasible, speed limit signs and traffic control signs such as no parking, turn lane identification and bus stop signs shall be combined on a common support post. The backs of all signs shall be painted black. Keep the edge of such signs behind the face of the curb. Such signage may be mounted on existing or new street light poles to reduce visual clutter.

- Where traffic control signage can not be mounted on existing or new street light poles, signs shall be mounted on a 3" x 3" x 3/16" square steel tubing with steel post cap, painted black.
- Traffic Control Pole Design: The continuation of the ornamental traffic control poles used in Uptown Westerville is proposed to strengthen the City's entry corridor. All traffic control pole components including arms, clamshell, fixture, pole and back of traffic lights and signal heads shall have a powder coated finish in black. All exposed fasteners shall be black anodized. All traffic control poles shall be round, tapered, 16 fluted steel poles with flange plate, cast aluminum.

Traffic Signal Standard

Traffic Control Signage Standard

two (2) piece clamshell and curved rigid round arm. Traffic control pole standards include either one (1) of two (2) City standards. The luminaire is based on current lighting standards in some areas of the City.

- Union Metal Corporation
  - Clamshell Base: Columbian Family Style
  - Mast Arm: Curved rigid round arm
- Valmont Industries, Inc.
  - Clamshell Base: Huntington Style
  - Mast Arm: Bent tapered smooth arm
- Luminaire, Arm and Fixture
  - Holophane with glass globe, HPS lamp and internal visor
  - Arm catalog number: ATC961/1-CA/8k
  - Fixture catalog number: ESU 400HPXXB4
- Traffic Control Pole Locations: The ornamental traffic control poles are proposed at the following locations:

  - South State Street at the exit/entrance ramps to I-270.
  - Bishop Drive and entrance/exit to the U.S. Post Office.
  - Charington Road and Cherri Park Square Center Entrance
  - South State Street and Schrock Road Intersection.
  - The entrances to Arby's/McDonald's and Westerville Plaza.
  - The intersection of Huber Village Boulevard/Heatherdown Drive
  - Entrances to Westerville Center/Westerville Square (relocated light).
  - It is also recommended the ornamental traffic control pole standard be extended on Schrock Road:
    - East to the signalized intersection at Otterbein.
    - West to the signalized intersection at the Westerville Plaza/Westerville Center.
- The Esplanade luminaire shall be incorporated into the top of traffic control poles at major street intersections only including:
  - I-270/South State Street
  - South State Street/Schrock Road Intersection
  - South State Street/Heatherdown Drive/Huber Village Boulevard Intersection

- **Street Trees/Landscaping:** The following standards are created to guide development which may or may not occur within the public right-of-way. Street trees and landscaping lend a human scale to the corridor, providing a perceived buffer from the noise and dirt of vehicular traffic. Street trees may minimize the impact of overhead wires and utilities. Trees also add to the economic value of an area.

- **Branching character:** Street trees shall be fourteen (14') to sixteen (16') feet in height with branching starting a minimum of seven (7') feet above finished grade. No street trees shall be topped.

- **Ornamental Trees Prohibited as Street Trees:** The use of ornamental trees as street trees shall not be permitted. They may, however, be used in special planting areas and as a part of landscape buffers between commercial and residential uses.

- **Location:** All street trees shall be located within the existing right-of-way centered three (3') feet from face of curb. In some locations where the right-of-way is too narrow to permit a minimum of thirty-six (36") inch walk clearance from the street trees, a planting easement may be required on the adjoining property.

- **Prohibited Trees:** The following trees shall be prohibited:
  - *Acer negundo* (Box Elder)
  - *Acer saccharinum* (Silver Maple)
  - *Catalpa speciosa* (Northern Catalpa)
  - *Fraxinus species* (All Ash Varieties)
  - *Morus alba* (Common Mulberry)
  - *Populus species* (All Poplar Varieties)
  - *Liriodendron tulipifera* (Tulip Tree)
  - *Salix species* (All Willow Varieties)
  - *Ulmus parvifolia* (Chinese Elm)

- **Recommended Trees:** Suggested shade trees for the corridor are listed below and as shown on the Street Tree Master Plan in the appendix:
  - *Acer saccharinum* (Green Mountain Sugar Maple)
  - *Platanus acerifolia* (Bloodgood)
  - *Quercus acutissima* (Sawtooth Oak)
  - *Quercus alba* (White Oak)
  - *Quercus bicolor* (Swamp White Oak)
  - *Quercus imbricaria* (Shingle Oak)
  - *Quercus macrocarpa* (Bur Oak)
  - *Quercus rubra* (Red Oak)
  - *Quercus shumardii* (Shumard Oak)
  - *Tilia euchloria* (Crimson Linden)
  - *Tilia tomentosa* (Silver Linden)
  - *Ulmus 'Pioneer'* (Pioneer Elm)

- **Landscaping Standards:** The following guidelines shall apply to all landscaping within the study area for landscaping within or outside of the right-of-way.

- **Landscaping Time:** All planting shall be installed within nine (9) months after building completion.

- **Plant Standards:** All landscape materials shall conform to the standards established by the American Association of Nurseriesmen.

- **Plant Sources:** All plant material shall be grown in locations in compliance with the United States Department of Agriculture Plant Hardiness Zones 1-5 and grown in Ohio or states north of the southern limit of Ohio.

- **Planting Schedule:** All plant material shall be planted per the following time periods: It is preferred Oak trees be planted in the spring.
  - March 15 to May 15
  - October 1 to December 15

- **Plant Maintenance:** Each property owner shall maintain and replace any plantings at project entrances, interior plantings or that are damaged, falling or are dead. All replacements shall match original plantings in size and type.
- Landscape Plan: All landscape plans shall be prepared by a registered professional such as a Landscape Architect or other allied landscape professional, such as an arborist, horticulturalist, nursery man or forester, certified in their respective field and with experience in plant materials and proper planting design.

- Minimum Plant Sizes: The following minimum sizes for plant materials are recommended at the time of planting. Shade trees and ornamental trees are measured by caliper or diameter of trunk six (6”) inches above the ground level or top of ball for all trees of four (4”) inches or less caliper. All plant material shall be balled or burlapped or container grown. All trees shall have a minimum ball of eleven (11”) inches per caliper inch. All evergreen trees used for screening shall be branched to the ground.
  - Evergreen Trees: 6” in height
  - Shrubs: 24” wide or 24” in height
  - Ornamental Trees: 1 1/2’-2’ caliper
  - Shade Trees: 3’ minimum caliper. Oak trees shall be 3 1/2’
  - Ornamental Grasses and Perennials: #2 Container preferred

- Street Lighting Standard: Currently the South State Street roadway and walks along the corridor are very poorly lighted. The primary function of improving the street lighting is to better illuminate South State Street and the adjoining public walkway in a visually pleasing and efficient manner. The goal for re-lighting the corridor is to provide an average maintained footcandle level of 1.7. Recommendations include:
  - Wiring: All wiring for all new street lighting shall be underground.
  - Waterproof Electrical Outlets: All street lighting poles shall include a waterproof electrical outlet on the walk side of the pole 17’-6” above finished grade.
  - Flag Staff Holder: All street lighting poles shall have one (1) flag staff holder on the street side of the pole mounted nineteen (19’) feet above finished walk grade.

- Street Light Pole Locations: All new street light pole locations shall be located with the center of the clamshell and pole located three (3’) feet back from the face of the curb.

- Light Pole Bases: The concrete bases for all street lights shall be constructed flush with the grade of the adjoining walk surface and concealed by the clamshell of the street light pole.

- Banner Arms: Each street light pole shall have two (2) banner arms on the street and walk sides of the pole, with the top banner arm sixteen (16’) feet above finished walk grade and the bottom banner arm eleven (11’) feet above finished grade.

- Street Light Standard: All street light poles and ornamental clamshells shall be octafluted cast aluminum pole/shaft by Hapco per drawing number B28472. All street lighting arms and luminaires shall be by Holophane Lighting with an extended arm and glass tear drop lamp. Luminaire style shall be Espanade, mounted at thirty (30’) feet.

- Mail Services: The U.S. Postal Service has adopted a policy of no longer delivering mail door to door or box to box. All free-standing mail boxes shall be eliminated. Property owners have the option of securing a postal box at the post office or participating in a clustered mail box collection system where clustered aluminum mailboxes are provided and maintained by the U.S. Postal Service. Where mail collection is visible from the street, a standard of design is recommended as manufactured by QualArc Regency style, cast aluminum, pedestal mount with ball top cap, powder coated black. These boxes, while approved by the U.S. Postal Service are not
maintained by the U.S. Postal Service. Cluster mail boxes are proposed on the east and west sides of South State Street. Locations are suggested at the following locations:

- West side:
  - Westerville Plaza
  - Westerville Center
- East side:
  - Westerville Square

- Utility Services/Poles: The proliferation of utility poles and overhead wires currently detracts from the visual appearance of the corridor.

- Utility Poles/Services Location: Depending on City finances, the following are suggestions for utility poles/services:
  - Underground Approach: All overhead utility services shall be placed underground including electric and communication wires.
  - Relocation Approach: If utility services are not placed underground, it is proposed utility poles be relocated to the rear of properties. Maintain all utility poles in a vertical position.
  - Consolidation Approach: Consolidate existing utility poles and overhead utility wires onto existing poles in their current position where possible.

- Pedestrian Systems: Not only is it important to design a pedestrian walk along the corridor, but connect the system to offices and commercial centers per the following recommendations:
  - Between Developments: Where possible, provide access between adjoining developments. Such connections shall be a minimum of five (5') feet wide.
  - Walks to Centers: Connecting walks to commercial centers from South State Street of a minimum width of five (5') feet, uninterrupted by utilities or poles shall be encouraged.

- Walks to Centers: Connecting walks to commercial centers from South State Street of a minimum width of five (5') feet, uninterrupted by utilities or poles shall be encouraged.

- Walks to Individual Businesses: Pedestrian walks, a minimum width of five (5') feet wide between a business entrance and walkways along South State Street shall be encouraged.

- News Racks
  - Standard Style: Where news racks are permitted in the corridor, a standard of design shall be adopted. It is recommended news racks be located at commercial centers and office building entrances. News racks, per the corridor standards, may be located within the right-of-way adjacent to seating areas if they are located not to impede pedestrian movements. The illustrated standard shall be powder coated black Sho-Rack as manufactured by Kaspar Wire Works Inc.

- Bicycle Facilities: The following guidelines and accompanying illustration are suggested for bicycle parking. Bicycle racks shall be located so parked bicycles do not impede pedestrian and ADA access.
  - Bicycle Racks: The inverted "U" shaped loop rack is recommended as a standard versus ribbon or wave type racks for the best security of bicycles. All bicycle racks shall be factory finished, powder coated black. Suggested manufacturers include DuMor, Inc., Fair Weather Site Furnishings or Keystone Ridge Designs.

- Repairs/Maintenance
  - Landscaping: All landscaping damaged from construction or by other means shall be replaced to match existing.
  - Plantings in Front of Walls: Consideration may be made to have irrigation and common maintenance for those plantings in front of walls.
  - Public Walkways: When repairs and maintenance occur, all repairs and/or replacement of walk surfaces shall match materials, patterns and textures originally used in walks within the right-of-way.