City of Waukegan
DOWNTOWN/LAKEFRONT STREETSCAPE STANDARDS

TABLE OF CONTENTS

Introduction ......................................................................................................................... 3
Family of Streetscape Elements ......................................................................................... 3
  Benches with Backs ........................................................................................................ 3
  Backless Benches ........................................................................................................... 4
  Movable Planters ........................................................................................................... 4
  Waste Receptacles ......................................................................................................... 4
  Tree Grates .................................................................................................................... 5
  Decorative Fencing ........................................................................................................ 5
  Bicycle Racks ............................................................................................................... 5
  Decorative Street Lighting ............................................................................................ 6
  Newspaper Corrals ......................................................................................................... 6
  Trash/Equipment Screening .......................................................................................... 6
  Decorative Paving ......................................................................................................... 7
  Decorative Water Features/Drinking Fountains .............................................................. 7
  Public Art ...................................................................................................................... 7
  Pedestrian Zone Landscaping ....................................................................................... 7
  Public Signs/Community Wayfinding .......................................................................... 7
  Raised Planters ............................................................................................................. 8
Special Pedestrian Zone/Streetcape Conditions ................................................................. 8
  Outdoor Sidewalk Cafes ............................................................................................... 8
  Corner Bump Outs ....................................................................................................... 8
  Bus Shelters ................................................................................................................ 9
Appendix .......................................................................................................................... 10
  Bench Specifications City Sites Series by Victor Stanley ............................................. 11
  Backless Bench Specifications City Sites Series by Victor Stanley ............................ 12
  Planter Specifications City Sites Series by Victor Stanley .......................................... 13
  Receptacle Specifications City Sites Series by Victor Stanley ................................... 14
  Tree Grate Specifications Greenwich Collection by Neenah Foundry ......................... 15
  Bike Rack Specifications Vintage Rack Series by Cycle-Safe, Inc. .............................. 16
  Washington Postlite Luminaire Specifications .............................................................. 17
  Boardwalk Tear Drop Specifications ........................................................................... 18
  North Yorkshire with Boston Harbour Crossarm Specifications ............................... 19
  Annapolis Series Crossarm Specifications .................................................................. 21
  Cast Aluminum Banner Arm Specifications ................................................................ 22

Updated 03/14/05
City of Waukegan Streetscape Elements

Introduction
As part of its downtown, the City of Waukegan feels a pedestrian-friendly character of the streetscape lends to the charm and ambience of these districts. Elements that are characteristic of a pedestrian-oriented streetscape include narrow rights-of-way, numerous storefronts with display windows and a high volume of pedestrian traffic. Care should be taken to maintain and enhance these elements within the downtown.

Attention should be paid to all streetscape/pedestrian zones and to ensure that those created, altered and amended by future developments continue to enhance Waukegan’s pedestrian-friendly character. Special consideration must be given to enhancing and providing safe, efficient movement for these districts’ users.

Overall, a common streetscape theme, even with minor style variations, will promote a cohesive City identity easily recognizable between the downtown, lakefront and institutional areas within the downtown. This theme is expressed in the selected streetscape family, or palette, which is used in public, semi-public and private streetscape and open space areas.

The City’s streetscape elements should be placed in high traffic areas and grouped to provide the greatest public benefit. They should be coordinated and consistent along the street. And all elements should be of high quality and durability. Streetscape design for all development sites should be coordinated with the overall streetscape design of the districts or adjacent streets to reinforce a coordinated physical character for the area. For example, lighting for a new development’s pedestrian plaza should be similar to the City streetlights installed on adjacent district streets. Model names, suggested manufacturers and specifications for streetscape elements are listed in Appendices A and B.

Family of Streetscape Elements

Benches
New developments should find ways to include pedestrian seating into the overall site design and open space. Benches should be placed in the parkway in unobtrusive locations and considered in private open spaces. They should be placed in higher intensity pedestrian traffic areas and/or to provide convenient seating opportunities. Benches with backs shall be a 6-foot standard length. Benches should also be incorporated into new multi-family and institutional uses. Specifications for the bench can be found in the Appendix on page 11.

Victor Stanley City Sites Series • CR-18 • 6’-0” long • Cast iron supports • All steel-welded assembly
• Color: Black • Price (as of 5/27/08): $1,148.00 w/o intermediate armrest. Intermediate armrest: $124.00
• Bronze plaque (4” x 6”) (4 lines with 14 characters per line maximum): $160.00 • Specifications in Appendix

Updated 03/14/05
**Backless Benches**
New developments should find ways to include pedestrian seating into the overall site design and open space. Backless benches should be placed in the parkway and considered in private open spaces. They should be placed in more locations than the standard bench to provide less-obtrusive seating opportunities. Backless benches shall be a 6-foot standard length. Backless benches also provide the flexibility of what direction the person can face. Specifications for the bench can be found in the Appendix, on page 12.

**Movable Planters**
Movable planters are encouraged for sidewalks and open spaces too narrow to accommodate raised curb planters. Planters should also be incorporated into new multi-family and institutional uses. Specifications for the planter can be found in the Appendix, on page 13.

**Waste Receptacles**
Waste receptacles should typically be placed on each corner and at least one mid-block in high-pedestrian traffic areas such as Genesee Street. Institutional uses should consider waste receptacles at discreet locations. Publicly-accessible open spaces shall provide the same model of waste receptacles. Specifications for the waste receptacle can be found in the Appendix, on page 14.
Tree Grates

Tree grates should be used in parkway/pedestrian zones within the downtown where space limitations occur. The standard tree grate for the downtown is provided by Neenah Foundry Company. Specifications for the tree grate can be found in the Appendix, on page 15.

Decorative Fencing

Only decorative fencing shall be used where appropriate to enhance and define open spaces, landscaped areas, and building entrances. Such fencing should not be more than three or four feet in height. Solid fencing shall be avoided unless used for screening of service areas. Chain link fences are strictly prohibited. Landscaping and decorative fencing, using the city standard, is required along all public street frontages to obscure the view of surface parking areas.

Bicycle Racks

Bicycle racks shall be located in high bicycle traffic areas along pedestrian and vehicular zones. Racks should be sited to not impede the pedestrian free zone or seating/gathering areas. Surface and structural parking lots shall allocate spaces for bicycle parking. Publicly-accessible open spaces shall provide bicycle racks using the same or coordinating model style. Bicycle racks should also be incorporated into new multi-family and institutional uses. Specifications for the bicycle rack can be found in the Appendix, on page 16.
**Decorative Street Lighting**

A selected City lighting fixture should be consistent among various districts. New development shall provide street lighting that conforms to a City street lighting plan on public rights-of-way or parkways that border the property. Lighting in the districts should be spaced equally apart and set at an appropriate spacing to achieve desired light illumination levels set by a qualified lighting engineer. The Washington Postlite luminaire light fixture, the Boardwalk Teardrop luminaire light fixture and decorative North Yorkshire cast iron and steel pole with weatherproof receptacles must be used throughout the downtown and shall conform to the Specifications in Appendix B. Mounting heights will vary in areas depending on final spacing and desired illuminant levels. Lighting should enhance pedestrian areas with minimal glare onto adjacent properties/residential areas. Lighting should extend from the street into public, semi-public, and select private open space, vehicular use areas and publicly accessible alleys. Required accessory equipment for such lighting include banner arms, the Annapolis Crossarm, and the Boston Harbor cast aluminum arm.

**Newspaper Corrals**

While newspaper boxes serve an important function downtown, they become problematic when placed improperly or placed in poor locations. Newspaper corrals shall be installed by the City of Waukegan and only at the intermodal station and other key locations throughout the downtown to eliminate the random placement of newspaper boxes and eliminate clutter. Newspaper and other publication agencies must contact the City of Waukegan for appropriate permits and licensing.

**Trash/Equipment Screening**

For all new developments and loading areas, dumpsters and outdoor utility equipment shall be consolidated as much as possible and thoroughly screened with year-round solid screening. Said screening shall be of a material and style which replicates the materials of the building.
**Decorative Paving**

Decorative brick pavers should be used along sidewalks, at corners, and/or in plazas to enhance the attractiveness of an area and to define pedestrian activity areas. Pavers, or stampers, should also be set into streets/driveways to define pedestrian crosswalks or special pedestrian zones. Such treatments are intended to reduce traffic speeds, connect pedestrian walkways, and enhance a site's attractiveness and physical character. Where decorative pavers are not used, concrete walks and plazas should include designed scoring, and finishes improving the appearance of such areas. In new developments in the downtown, concrete should be placed as a banding in combination with the decorative brick paver sidewalk. The City encourages the use of brick pavers in high impact streetscape spaces such as building entries, plazas, corner pocket bump-outs and pocket parks such as Jack Benny Plaza. Patterns of sidewalk materials and pavers should be consistent with the surrounding character or should establish a character if none exists. All sidewalks/pedestrian areas shall be handicapped-accessible.

**Decorative Water Features/Drinking Fountains**

Drinking fountains should be considered for high pedestrian traffic areas or open spaces only. The design should coordinate with the overall streetscape design theme and family of elements. Decorative fountains that are proportionate to and appropriate with their surroundings are encouraged in open spaces. If used, fountain design should carefully consider maintenance and safety.

**Public Art**

Public art can create a framework to organize open spaces, integrate building and landscape design or highlight a functional element such as a fountain. Where appropriate to new developments, public art should be provided to enhance the City’s character and convey historical or social significance.

**Pedestrian Zone Landscaping**

Streetscapes within the downtown areas should be designed to provide pedestrians with shade and visual interest. Providing adequate landscaping within the pedestrian zones is an essential element to maintaining and enhancing the City’s streetscape character. Irrigation and appropriate drainage are recommended for all landscaped areas, especially for raised planters.

**Public Signs/Community Wayfinding**

Consistent, well-designed and clearly-interpreted community wayfinding signs shall be installed by the City of Waukegan throughout the downtown as needed.
Raised Planters

Where possible, street trees and multi-tiered planting in continuous raised planters is encouraged. Multi-tier means providing additional plant material below street trees, such as shrubs, perennials and groundcovers. These additional plantings should provide a variety of coordinated color and seasonal interest to the streetscape. Continuous raised sidewalk planters with expansive planting soil volumes are preferred. Raised curb planters should be approximately six inches in height and a minimum of 3.5 feet wide (inside dimension). However, a 5-foot inside width dimension is preferred. The raised planters should also contain a continuous decorative 18-inch metal railing around the curb top and be of a style reflecting the City standard or the proposed development plan. The length of these planters should be designed to accommodate store entrances, signs and other streetscape elements. Soil should be mounded to 6 inches above the top of the planter curb at the center of the planter. Mulch, groundcover, or other appropriate plantings in conjunction with the appropriate street trees should be provided. Where appropriate, adequate GFI electrical outlets should be provided for each individual street tree or combinations of trees in the Business Districts.

Special Pedestrian Zone/Streetscape Conditions

Outdoor Sidewalk Cafes

Dining establishments, coffeehouses or cafes are encouraged to provide adequately spaced outdoor seating. The City encourages the use of these small outdoor spaces to help enliven the streetscape. Careful attention must be paid to maintaining a pedestrian clear zone. Tables, chairs, umbrellas, service equipment and planters should be kept out of the pedestrian clear zone. A temporary or seasonal designed barrier element is encouraged to ensure a clear demarcation of these spaces. The business or property owner should erect a simple decorative railing, fence, planters or similar element. The height of such a barrier should be no greater than 36 inches and constructed of a solid durable material easily anchored and removed in the paved space. The design of the barrier should reflect the architectural style of the building or coordinate with the City streetscape elements. Maintenance and upkeep of the barrier is the sole responsibility of the business proprietor or building owner. The City may request a seasonal deposit or permit for outdoor café use.

Corner Bump Outs

The City encourages the use of bump-outs, or widened walkways, at street corners. These bump outs serve numerous functions: they slow traffic, highlight pedestrian crossings, encourage pedestrian gathering and allow for the incorporation of streetscape elements into the streetscape design. Bump-outs should only be used in the business
districts at key intersections. They may also be used at corners where transitions occur from multiple family or institutional uses. Bump-outs must be designed to meet the engineering design specifications of the City and, when applicable, of IDOT to provide a safe and proper turning radius for vehicular traffic along with appropriate sight lines and compliance with ADA standards.

**Bus Shelters**

Bus shelters currently exist at selected PACE locations throughout the downtown. Where bus stops occur, a coordinated City sign system should be developed. The City, in cooperation with PACE and Viacom Outdoor, established a new bus shelter design known as the Paladium with Victorian treatments. Final location of these shelters should be determined by the summer of 2005. All new bus shelters should incorporate City sign elements.
Appendix

Specifications
Bench Specifications  

City Sites Series by Victor Stanley
Backless Bench Specifications

City Sites Series by Victor Stanley

Updated 03/14/05
Planter Specifications

Ironsites Series by Victor Stanley

Updated 03/14/05
Receptacle Specifications

City Sites Series by Victor Stanley
(Shown with optional Dome and Ashtray)
Tree Grate Specifications

Greenwich Collection by Neenah Foundry
In-ground Installation

This is the standard for new construction and the most secure type of inverted-U installation. Can easily be installed in existing locations by drilling a 3"-4" core and grouting.

| Material | SCHD 40 pipe |
| Coating  | PolyArmor    |
| Radius   | 12"          |
| Tube     | 2"           |
| Width    | 24"          |
| Installed Height | 36"           |

Bike Rack Specifications Vintage Rack Series by Cycle-Safe, Inc.
WASHINGTON POSTLITE® LUMINAIRE
ACORN STYLE WITH FINIAL, BAND AND MEDALLIONS
MAXIMUM WEIGHT - 80 lbs.
MAXIMUM EFFECTIVE PROJECTED AREA - 2.26 sq. ft.

DESCRIPTION
The Washington Postlite Luminaire is styled to replicate the acorn luminaires that lit streets in the late 19th century. Designed for superior light control, ease of installation, and maintenance, the Washington Postlite has precision prismatic glass optics and a frosted glass街头 lighting performances as well as beauty.

OPTICAL ASSEMBLY
The optical assembly is a prismatic molded thermal resistant biconvex lens system with polycarbonate prisms. The upper portion of the optical system is made of high-quality polycarbonate prisms that redirect over 50% of the upward light into the controlling reflector while allowing a soft uplight component to define the traditional acorn shape. The decorative aluminum top cover options are available.

The lower portion of the optical system consists of a circular reflector that directs the light downward to the lamp chamber. The luminaire comes with a decorative band, and it is available for different applications, including type IV and type V distribution.

LUMINAIRE HOUSING
A decorative leaf style cast aluminum luminaire housing creates the optical assembly and serves as an enclosure for the electrical module. An acorn-shaped lamp socket and the three station-keeping lugs ensure ease of connection to the electrical module. A lighter weight covers 3 inch high 577/8 inch to 6 inch high 577/8 inch shade, including ELECTRICAL MODULE / LUMINAIRE HOUSING.

The decorative leaf style cast aluminum housing contains a ballast component and is held by two captive 1/4-20 stainless steel screws. A matching six conductor plug connects to the receptacle in the luminaire housing, completing the wiring. The housing has a knock-out, which, when removed, provides access for the replacement of the luminaire housing, allowing both hands to be free while making or breaking connections.

BALLAST
Refer to Ballast Data Sheet for specific operating characteristics.

Architectural Outdoor Order:
This drawing has been approved and shoule serve as the complete specification for the material. The Washington Luminaire is a true replica of the original acorn style. The original luminaire. The luminaire is UL listed as suitable for wet locations at a maximum of 90 degrees C ambient temperature.

Washington Postlite Luminaire Specifications
### Boardwalk Tear Drop Specifications

**Specifications**

**DESCRIPTION**
The Boardwalk Tear Drop is designed to capture the "tear drop" aesthetics that lighted bus stops created in the first half of this century. Designed for light control and ease of installation and maintenance, the Boardwalk Tear Drop is a miniature system for two-socket lighting performance.

**WIRING CHAMBER**
The wiring chamber has a 1/2 inch, graduated, NPT threaded entry to prevent moisture. A stainless steel screw locates the unit in position. A base plate in aluminum block will accept the fixture 16 wires and is provided to electric the plug assembly that connects to the miniature electrical module.

**ELECTRICAL / REFLECTOR ASSEMBLY**
The electrical and reflector assembly is made from the wiring chamber for ease of wiring and to facilitate the removal of the electrical module. The assembly is recessed in a piece of stainless steel sheet. The exterior electrical module consists of the ballast mounted on an aluminum plate that is easily removed by inserting two screws into the holes. The disconnect plug connects the ballast to the terminal block in the wiring chamber. The sides of the stainless steel plate are sealed with neoprene lamp grommets. The reflector is a cylindrical, reflective, and heat-resistant gray glass enclosure that ensures the light in the desired zone is emitted in a continuous beam in conjunction with the reflector to provide the desired illumination of light.

**BOARDWALK**

The Boardwalk Tear Drop is a tear drop-shaped, thermal resistant, reflective glass reflector that ensures the light in the desired zone is emitted in a continuous beam in conjunction with the reflector to provide the desired illumination of light.

**OPTIONAL ACCESSORIES**

<table>
<thead>
<tr>
<th>COVER TYPE</th>
<th>BALLAST TYPE</th>
<th>VOLTAGE</th>
<th>HOUSING COLOR</th>
<th>NAME</th>
<th>OTHER</th>
</tr>
</thead>
<tbody>
<tr>
<td>NW</td>
<td>07HP = 70W HPS</td>
<td>1800V</td>
<td>I = As Specified</td>
<td>ASYMMETRIC</td>
<td>TYPE 1 DIST.</td>
</tr>
<tr>
<td>BWJ</td>
<td>13AP</td>
<td>120V</td>
<td>II = Black</td>
<td>BOWL</td>
<td>TYPE 1 HOST</td>
</tr>
<tr>
<td>10HP = 100W HPS</td>
<td>200V</td>
<td>III = Green</td>
<td>ASYMMETRIC</td>
<td>TYPE Y DIST.</td>
<td></td>
</tr>
<tr>
<td>15HP = 150W S5/HPS</td>
<td>240V</td>
<td>IV = Bronze</td>
<td>TYPE Y DIST.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>250HP = 250W S5/HPS</td>
<td>277V</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>315HP = 315W S5/HPS</td>
<td>347V</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>400HP = 400W S5/HPS</td>
<td>480V</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**UL LISTING**

The Boardwalk Tear Drop is UL listed for use in Class I, Division 2, Groups A, B, C, D. It is Listed for wet locations (IP66).
North Yorkshire with Boston Harbour Crossarm Specifications

**NORTH YORKSHIRE**
Cast Iron and Steel Post, 20" Dia. Base
with Boston Harbour Cast Aluminum Crossarm
for Pendant Mounted Luminaires

**Specifications**

**DESCRIPTION**
The North Yorkshire lighting posts shall be cast iron and steel construction, mass-tapered with a deep 16 flue pattern and a classic mass-tapered fluted base. The post shall be shipped from the factory as a one-piece unit with no multiple, slide over, or wrapped pieces. The Boston Harbour decorative crossarm(s) shall be all aluminum construction with a smooth rising arm, decorative arm support, and a decorative solenoid mounting adaptor for pendant mounted luminaires.

**LIGHTING POST**
- **Style:** North Yorkshire
- **Height:** 18', 21', or 25'
- **Top Size:** 3" OD by 6" high
- **Base:** 20" diameter
- **Shank Material:** 16 gage steel
- **Base Material:** Heavy wall cast iron, ASTM A48 Class 30
- **Finish:** Prime painted with red oxide primer
- **Anchor Bolts:** (4) 3/4" x 24" T type hot dipped galvanized

**CROSSARM**
- **Style:** Boston Harbour
- **Height:** 22-3/4'
- **Width:** 4', 6', or 8' (from center line of post to center line of luminaire)
- **Material:** Heavy wall cast #55 aluminum alloy and schedule 40 aluminum pipe
- **Luminaire Mounting:** 1-1/2" NPT threaded nipple, schedule 40 aluminum, for pendant mounted luminaires
- **Slipfitter:** Arm(s) slipfit a 3" OD by 6" tall
- **Finish:** Prime painted with red oxide primer

---

**ARCHITECTURAL OUTDOOR ORDER #:**

**TYPE:**

**DRAWING NO.:** US-1339

**SCALE:** NA

**DRAWN:** RAF

**APPROD:**

**DATE:** 05-02-02

---

*North Yorkshire with Boston Harbour Crossarm Specifications*

*Updated 03/14/05*
North Yorkshire with Boston Harbour Crossarm Specifications (cont.)
ANAPOLIS Series
Crossarms & Wall Bracket

SPECIFICATIONS

CONSTRUCTION
The crossarm and wall brackets shall be one-piece construction. The arms shall be welded to a center post. For wall brackets, the arm shall be welded to a steel wall plate.
All welding shall be per ANSI/AWS D1.2-90.
All welders shall be certified per ANSI/AWS D1.2-90 Section 5.

MATERIALS
The arm, fields, and center post of ferrous shall be heavy wall, cast aluminum produced from certified ASTM 3061 ingot per ASTM B179-95 or ASTM B559-95. The center post and wall bracket mounting plate shall be aluminum, ASTM 6061 alloy, heat treated to a T6 temper. All ferrous shall be 4130 steel.
All armatures shall be bronze or brass. All finishes shall be treated rustproof.

INSTALLATION
The crossarm shall be of the flat or post type and attached with an arm set screw. The center post shall be removable. The wall bracket shall have four 9/16” dia. holes for mounting to the wall. Bracket mounting screws shall be furnished by others. Both crossarms and wall brackets shall have 3/8” C.D. holes for armature mounting.

For finish specifications and color options see “Finish” section in catalog.

ORDERING GUIDE

<table>
<thead>
<tr>
<th>Arms &amp; Bracket</th>
<th>Number of</th>
<th>Laminations Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>AWA2</td>
<td>one</td>
<td></td>
</tr>
<tr>
<td>AWA2T</td>
<td>two</td>
<td></td>
</tr>
<tr>
<td>ACA3T</td>
<td>three</td>
<td></td>
</tr>
<tr>
<td>ACA3</td>
<td>three</td>
<td></td>
</tr>
<tr>
<td>ACA4T</td>
<td>four</td>
<td></td>
</tr>
<tr>
<td>ACA4</td>
<td>four</td>
<td></td>
</tr>
<tr>
<td>ACA4T</td>
<td>five</td>
<td></td>
</tr>
</tbody>
</table>

Material/Finish

- CA3K: Cast Arm/Black
- CA3B: Cast Arm/Black Bronze
- CA3G: Cast Arm/Black Green
- CA3P: Cast Arm/Black Pearl
- CA3C: Cast Arm/Cast Color

Annapolis Series Crossarm Specifications

Updated 03/14/05

21
**Banner Arms**

**Cast Aluminum**

**Specifications**

**Description**
The banner arms shall consist of a round, extruded aluminum pipe and a removable cast aluminum end cap. Bottom eyebolts and banner arms with breakaway couplings, are optional and recommended because of the wind load from the banner.

**Construction**
The banner arm shall be welded to a mounting plate or a post clamp. All welding shall be per ANSI/AWS D1.2-90. All welders shall be certified per ANSI/AWS D1.2-90 Section 5.

**Materials**
The end caps shall be cast aluminum produced from certified ASTM 364.1 ingot per ASTM B-179-95a or ASTM B26-05. The banner arm, mounting plate and post clamp shall be aluminum. ASTM 6061 alloy, heat treated to T6 temper. All hardware shall be stainless steel.

**Installation**
The bolt-on banner arm shall bolt to a mounting channel provided on the sides of the post with four stainless steel screws. Eyebolts shall screw into the post or clamp on. All clamp-on mountings shall clamp around the post and secured with four 5/8" hex head bolts. (Post dia. at mounting point must be specified.) A minimum mounting height of 10 feet is recommended for the bottom banner arm. (Arms are not designed for pedestrian interference.) (For information on specifying orientation and mounting heights see "Orientation Guide" in the back of the Accessories section of catalog.)

(Banners to be provided by others.)

**Dimensions**
The banner arms shall be available in 1.5", 1.9", 1.66" or 1.9" O.D. and to the specified length.

For finish specifications and color options see “Finish” section in catalog.

---

**Cast Aluminum Banner Arm Specifications**

*Updated 03/14/05*
Banner Arms Cast Aluminum

Mounting Details

Bolt-On Mounting

Clamp-On Mounting

Suggested Banner Arm Usage

Ordering Guide

Banner Arms Specifications (cont.)