Aesthetic Design Guide
New York State Department of Transportation
Region 10

December 2012

Prepared by the Office of Design
Landscape Architecture and Environment

Revised: September 2015
Aesthetic Design Guide

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The NY Route 347 Aesthetic Design Guide is intended to serve as a guide to the Design/Build process that will construct improvements to NY Route 347 from Terry Road and Gibbs Pond Road. This document addresses only the aesthetic elements of the corridor. These elements include the following:

- Raised Center Median Barrier
- Retaining Walls
- Sound Walls
- Decorative Lighting
- Pedestrian & Bicycle Related Elements
- Coatings and Textures
- Planting Area Types and Plant Material
- Material Colors

How to Use this Guide
This document is to be used as supplemental information to the Preliminary Engineering documents produced for the Design/Build bidding process. It is intended to provide the aesthetic treatment of the elements listed above which may not be shown in the Preliminary Engineering documents. These drawings are a guide to define the final design of the roadway elements. Final designs and structural requirements are the responsibility of the Design Builder.
Aesthetic Design Guide

Summary

Design Statement
The overall goal for the aesthetic treatments for NY Route 347 is to create more visual and operational unity throughout the entire roadway system. To fulfill the NYSDOT’s commitment to all stakeholders, it is critical that the design elements and their related aesthetic treatments are replicated in all improved sections of NY Route 347.

Aesthetic Design Process
The design process involved in creating this document included an analysis of the corridor to gather design forms, themes, and patterns. Working with a multi-disciplinary team of Regional Design Engineering, Environmental, and Landscape Architecture professional staff in coordination with corridor stakeholders a Vision Plan Enhanced “Modified Boulevard” concept was developed and presented to the public. The “Modified Boulevard” concept is incorporated in all elements that require aesthetic treatment.
NY Route 347

Aesthetic Design Guide

Location Map

Revised: October 2013
Aesthetic Design Guide

Streetscape Concept

New Sidewalk
New Decorative Solar Street Lighting
New Raised Decorative Median with Mixed Plant Material
New Streetscape Edge Tree Planting
New Shared-Use Path
New Bus Stop and Pedestrian Crossing Features
New Sound Wall or Low Screen at/near ROW Line

Typical Plan View and Cross Section
Aesthetic Design Guide

Key Features

• Raised, planted, decorative center median
• Pedestrian refuge areas and high visibility crosswalks
• Decorative solar LED lighting
• Sidewalk and shared-use path
• Decorative pedestrian signals and poles
• Bus stop improvements: decorative pavement, lighting, bike racks, and bus shelters
• Trees, shrubs, and groundcover planting at various locations
• Greenway Stop: information kiosk, interpretive signs, bike racks, shade structure, and seating
• Color branding of roadway features: traffic control structures, traffic signal and sign posts and sign backs
• Decorative Sound Walls or Low Screen

Streetscape Concept

Typical Intersection Plan View
Aesthetic Design Guide

Shared-Use Path Concept

Commercial Zone

Typical Characteristics:
• Connected to bus aligning areas
• Accessible to commercial properties
• Clear driveway crossing safety features
• New shade tree planting along path edges, new accent planting near bus aligning areas, and new accent planting to improve commercial zones

Residential Zone

Typical Characteristics:
• Connected to bus aligning areas
• Accessible to local streets and sidewalks or other paths
• Clear driveway crossing safety features
• New shade tree planting along path edges, new accent planting near bus aligning areas, and new ROW planting to improve visual screening of the road
NY Route 347

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**Key Features:**
- Direct access to/from the shared-use path
- Benches (2 min.) or seat wall
- Bike racks (2-4 bike racks)
- Interpretive signs (1-2)
- Information kiosk
- Rain garden /Bio-swale
- Decorative pavement
- New planting
- Shade structure

Greenway Stop Concept

Key locations being considered:
1. Blydenburg Park
2. Mt. Pleasant Rd
3. Greenbelt trail
4. CR 16/ Terry Rd
5. Smith Haven Mall
6. Setauket Woods
7. Shakespeare in the Park @ NY 112

Location Map of Potential Greenway Stop Locations
Aesthetic Design Guide

Screen and Sound Wall Concepts

**Colored and Textured Concrete Sound Wall**

**Typical Characteristics:**
- Constructed of a low maintenance, long lasting material that will block road noise—(typ. 4-6 inch thick concrete)
- Colored integrally to match other streetscape features
- Surface finished with a pattern that blends with other road features and provides varying depth grooves for vine growth
- Road side surface coated with anti-graffiti coating
- Planting on road side to screen wall view (typ. min. 3-5 ft wide vegetated buffer area)

**Vegetated Low Screen**

**Typical Characteristics:**
- Constructed of a low maintenance, long lasting, material that will partially block road view
- Typically contains a high percentage of evergreen trees material to provide year round screening (approx. 60%)
- Typical placement near the state property line and adjacent to residential properties (min. 5 ft wide vegetated buffer area)
Aesthetic Design Guide

Streetscape Features and Materials
Aesthetic Design Guide

Materials

Key Features (unless otherwise noted, materials and related aesthetic treatments are requirements)

- Decorative raised center median barrier
- Pedestrian refuge areas, sidewalk and shared-use path, high visibility crosswalks, and decorative pedestrian signals and poles
- Decorative solar and LED street lights
- Bus stop improvements: decorative pavement, solar and LED lighting, custom bike racks, and bus shelters w/integrated solar and LED lights
- Trees, shrubs, and groundcover planting at various locations (May Vary)
- Greenway Stop: information kiosk, interpretive signs, custom bike racks, shade structure, rain garden/bio-swale, and seating
- Color Branded Vertical Elements: Colored traffic signal poles and related traffic control structures, traffic sign posts and sign backs
- Decorative Sound Walls or Low Screen (Construction Type May Vary, Top Elevation may increase 1-2 feet based on final grading)
Aesthetic Design Guide

**Raised Center Median Barrier**

**Highway Side Texture:** the median barrier shall have a non-repeating New England Dry Stack texture with a maximum texture depth of 1.38 inches and shall have a simulated smooth top coping integrated into the top of the barrier, the shall be minimal visible vertical joints and have non-visible continuity plates.

**Concrete Barrier Color:** the median barrier shall be integrally colored concrete matching the Westwood Brown color. Visible joint filler material shall also match the color of the barrier.

**Anti-graffiti Coating:** the barrier shall have a non-sacrificial anti-graffiti coating applied to the surface.

**End Sections:** Integrated Attachment for Crash Attenuator.
**Aesthetic Design Guide**

**Pedestrian Refuge Area**

**Colored and Imprinted Concrete Decorative Pavement:** London Cobble texture in a Running Bond pattern in a Cool Grey color matching FC #26493 with Dark Grey highlights created using a Dark Grey antiquing release agent matching FC#26132

**Concrete sidewalk:** area to have a broom finish and Dark Grey detectable warning system

**General:** associated features such as pedestrian signals shall be Forest Green and crosswalks shall be high visibility “Piano Key” style
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Decorative Solar Lights

**Mast Arm Solar and LED Lighting:** shall match Lumec Roadstar style fixture mounted on a 15 foot long mast arm style bracket attached to a 28 foot, round, tapered, pole. Color shall be Forest Green matching FC 34066

**Pedestrian Solar and LED Lighting:** Light fixtures shall match Lumec Domus style and shall be mounted on a goose neck style bracket attached to a 19 ft, round, tapered, pole. Color shall be Forest Green matching FC 34066

**Solar Panels:** shall be sized according to light fixture needs and positioned to maximized solar intake

**General Information:** mast arm lights shall be placed in the raised center median at intersections and pedestrian crossings. Pedestrian lights shall be placed at bus stops and greenway stops, typically 1-2 lights at each location
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Bus Stops

**Decorative Bus Shelter:** shall match Contract D261357 and be Forest Green Color FC #34066

**Colored and Imprinted Concrete Decorative Pavement:** shall match a Used Brick texture in a soldier course pattern matching Charcoal Grey color FC #36176 and Random Ashlar Slate texture and pattern matching Warm Grey color FC#36306

**Pedestrian Solar and LED Lighting:** 1-2 lights shall be provided at bus stops matching Contract D261357 and be Forest Green color FC #34066

**Custom Bike Racks** (not currently shown above): shall match Contract D261357 and be Forest Green color FC #34066

**Planting:** shall be located along path edges to provide a buffer between roadway and hard features ie walls, to restore commercial frontage planting, highlight special areas along the path, and to screen residential areas
**Aesthetic Design Guide**

**Shared-Use Path**

**Shared-use Path**: shall be 12 feet wide, made of a smooth surfaced, easy to maintain, durable material, typically asphalt, and have warning signage and pavement markings at roadway and commercial driveway crossings for both path users and drivers.

**Colored & Imprinted Concrete Decorative Pavement Shelf**: shall be a London Cobble in a Running Bond pattern in a Cool Grey color matching FC #26493 with Dark Grey highlights using a Dark Grey antiquing release agent matching FC#26132.

**Planting**: shall be located along path edges to provide a buffer between roadway and hard features i.e. walls, to restore commercial frontage planting, highlight special areas along the path, and to screen residential areas.

**Benches**: shall match Contract D261357 and be located at select pedestrian waiting/resting areas along the path.

**General**: the path should be located in a manner that provides easy access to: bus stops, greenway stops, existing places of employment, commercial areas, recreational assets, and connecting bicycle and pedestrian routes.
Aesthetic Design Guide

Shared-Use Path Intersection and Driveway Crossing Examples

Intersection Crossing(D261357 Phase I Plan Example)

Various Commercial Driveway Crossing Alternatives (D261357 Phase I Plan Examples Above)
NOT TO SCALE

BENCH DETAIL
ITEM 610.0801--05

DESK-VELI REV. 0/2 DESCRIPTION OF ALTERATIONS
AM 3477 HPP 1/2 INTERSECTION RECONSTRUCTION
PK 2447 + 00 RT. 347
PK 112 - SH 612
TOWN OF BROOKHAVEN
COUNTY: SUFFOLK

DESCRIPTION OF ALTERATIONS
NOTES:

1. BEACH TO BE WOOD O.I.S. OR APPROVED EQUAL.

2. BENCH SLATS TO BE RECYCLED SLATS IN A CHERRY FINISH. APPROPRIATE SUPPORT OR THESE SLATS SHOULD BE PROVIDED BY BENCH MANUFACTURER. SLAT MATERIAL SHALL BE DETERMINED BY GENERAL CONTRACTOR PRIOR TO INSTALLATION.

3. CONTRACTOR TO SUPPLY STAINLESS STEEL ANCHOR BOLTS AND FASTENERS IN ACCORDANCE TO MORTH MATERIAL SPECIFICATION SSD-02 AS RECOMMENDED BY THE GENERAL CONTRACTOR. ANCHOR BOLTS SHALL BE DEFORMED TO PREVENT REMOVAL. BOLTS CUT TO LENGTH AND FASTENERS PAINTED TO MATCH SEATS.

4. BENCH FRAME SHALL BE POWDER COATED "BRIDGE BLACK" PAINTING GRAY COLOR STAINED. BENCH SLATS SHALL BE CHERRY FINISH. ANCHOR BOLTS AND FASTENERS SHALL BE VARNISH RESISTANT.

CONCRETE PAD
BELOW SLAB REINFORCEMENT DESIGNATED AREA/STD.}

SIDE VIEW
Greenway Stops and Materials
**Aesthetic Design Guide**

**Greenway Stop**

**Decorative Pavers:** shall use 6x6 inch and 6x9 inch Brick style concrete pavers in a Soldier Course pattern matching Golden/Onyx FC33275/FC33303 colors located along interior path edge and information kiosk pad

**Pedestrian Solar and LED Lighting:** 1-2 lights shall be provided at the Greenway Stop and shall match Contract D261357

**Custom Bike Racks** (not currently shown above): 2-4 bike racks shall be located within the Greenway Stop and shall match Contract D261357

**Seating:** a minimum of 2 benches or a decorative seat wall of similar length matching Contract D261357 shall be provided at the Greenway Stop

**Custom Information Kiosk:** 1 kiosk shall be provided at the Greenway Stop and shall match Contract D261357

**Interpretive Signs:** 1-2 interpretive signs shall be provided at the Greenway Stop and shall match Contract D261357

**Rain Garden/Bio-swale:** 1 rain garden or bio-swale feature shall be provided at the Greenway Stop

**Planting:** shall be located along path edges to provide shade to pedestrians and to highlight the Greenway Stop

**General:** Greenway Stops shall be located in a manner that provides direct access to and from the shared-use path and may contain a shade structure similar to the canopy in Contract D261357
NY Route 347

PATH / RETAINING WALL
SECTION C-C
LOOKING EAST
NOT TO SCALE

PATH / BIOSWALE
SECTION D-D
LOOKING SOUTH
NOT TO SCALE

NOTE:
1. SEE DRAWING NO. 341-3 TO 341-7 FOR DETAIL.
2. REFER TO LAYOUT PLAN B-14-01 AND B-14-04 FOR PLANTING.
3. CONCRETE FLOWER PATTERN AT SHOWN ON B-14-01.
AS BUILT REVISIONS
DESCRIPTION OF WORK

STATE OF NEW YORK

ASSEMBLY OF CONSTRUCTION DOCUMENTS

PRIORITY 1 NEEDLE IMPROVEMENTS

TOWN OF SHREWSBURY

NEW YORK STATE DEPARTMENT OF TRANSPORTATION

SIGNATURE

DATE

COUNTY: SUFFOLK

DOCUMENT NO: DS-F09-01, DS-S10-002-004

CONTRACT NUMBER
0261357

GREENSTOP SECTIONS
SECTIONS C-C, D-D

PREPARED BY: WHEATON & WADE
ALTERED BY: WHEATON & WADE
Aesthetic Design Guide

Typical Planting Areas and Material Use
NY Route 347

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Streetscape Planting

Roadway Edges — Trees (Off-site Example)

Raised Center Median - Mixed (Constructed Phase I Example)

Screening – Evergreen Mix (Off-site Example)

Shared-Use Path Edges - Trees (Constructed Phase I Example)

Greenway Stop/Bus Stop - Mixed (Off-site Example)

Bio-Swale – Mixed (Constructed Phase I Example)
Aesthetic Design Guide

Raised Median Planting

**Planted Median:** shall have a minimum width of 3 feet, inside of wall width

**Typical Planting Medium:** shall use Planter Backfill Mix, topsoil, and mulch

**Plant Material:** shall be mixed trees, shrubs, and groundcover species

**Plant Guarantee and Care Period:** shall be 1-2 years and shall include watering, weeding, re-mulching, and dead plant removal and replacement
Streetscape and Median Landscape Plan (Constructed in Phase I – Contract D261357)
Mixed Plant Material: Trees, shrubs, and Groundcovers
Shared-Use Path/Sidewalk Area Landscape Plan (Constructed in Phase I – Contract D261357)
Mixed Plant Material: Primarily Trees with a few beds of shrubs, and Groundcovers
Greenway Stop Landscape Plan (Constructed in Phase I – Contract D261357)

Mixed Plant Material: Trees, shrubs, and Groundcovers

Boulders and river bed type stone shall match Contract D261357

General: all Greenway Stop elements shall be clearly laid out on the plans
Aesthetic Design Guide

Screening Landscape Plan ( Constructed in Phase I – Contract D261357)
Mixed Plant Material: Primarily Evergreen Trees with other tree, shrub, and groundcover plant material

Bio-Swale Landscape Plan ( Constructed in Phase I – Contract D261357)
Mixed Plant Material: Trees, shrubs, and Groundcovers incl. emergent plant material
## Table of Landscape Development

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### Deciduous Shrubs

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<td>J14</td>
<td>NY Route 347</td>
<td>12</td>
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<td>250 CM</td>
<td>25 CM</td>
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<td>9</td>
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<td>25 CM</td>
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### Deciduous Trees

<table>
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<tr>
<th>SYMBOL</th>
<th>ITEM NO.</th>
<th>SYMBOLE - LEGEND</th>
<th>QUANTITY</th>
<th>BOTANICAL NAME</th>
<th>COMMON NAME</th>
<th>SIZE</th>
<th>BALL</th>
<th>SPACE</th>
<th>REMARKS</th>
<th>LAP-1</th>
<th>LAP-2</th>
<th>LAP-3</th>
<th>LAP-4</th>
<th>LAP-5</th>
<th>LAP-6</th>
<th>LAP-7</th>
<th>LAP-8</th>
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<td>NY Route 347</td>
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<td>EUGenia</td>
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<td>25 CM</td>
<td>5</td>
<td>9</td>
<td>5</td>
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**Plant List Example**

(Constructed in Phase I – Contract D261357)
| ITEM NO. | SYMBOL | QUANTITY | BOTANICAL NAME | COMMON NAME | LAP-1 | LAP-2 | LAP-3 | LAP-4 | LAP-12 | LAP-13 | LAP-14 | LAP-15 | LAP-16 | LAP-17 | LAP-18 | LAP-19 | LAP-20 | LAD-1 | LAD-2 | LAD-3 | LAD-4 |
|---------|--------|----------|----------------|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 33.1.00130 | Q1 | 30 | GLEIRIS RUBRA | RED OAK | 6 | 3 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 33.1.00763 | Q9 | 30 | GLEIRIS MELANOCALCAR | GRAY OAK | 0 | 3 | 1 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 33.1.00270 | A4 | 30 | ACER BURBONI 'VICTORY GLORY' | RED MAPLE 'VICTORY GLORY' | 3 | 2 | 1 | 2 | 1 | 0 | 1 | 2 | 1 | 0 | 1 | 2 | 1 | 0 | 1 | 2 | 1 | 2 |
| 33.1.00270 | C5 | 30 | LIGustrum ABELIANUM | PRIVET | 2 | 3 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 33.1.00270 | F6 | 30 | PLATANUS X ACERIFOLIA | LOEBL'S PLANE | 6 | | | | | | | | | | | | | | | | | | |
| 33.2.00059 | Q1 | 42 | PUNICA GRANDIFLORA | PERSIAN HIBISCUS | 5 | 4 | 3 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 33.2.00059 | E6 | 36 | ILEX CARPINIFOLIA | HOLLY | 4 | 3 | 2 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 33.2.00059 | F6 | 36 | ALNUS RUBRA 'DURHAM' | RED ALDER | 3 | 2 | 1 | 2 | 1 | 0 | 1 | 2 | 1 | 0 | 1 | 2 | 1 | 0 | 1 | 2 | 1 | 2 |
| 33.2.00059 | J7 | 36 | PRUNUS TRICORIA | CHERRY | 2 | 3 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 33.2.00059 | B6 | 36 | CORIOLUS VERRUCOSUS 'RÜHLEIN' | BEECH | 6 | 5 | 4 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 33.2.00059 | A7 | 36 | CYPRESSOCYPARIS 'HINZI' | ATOMIC WHITE COON | 9 | 8 | 7 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 33.2.00059 | E7 | 36 | CELOSIA CRISPA | FLAMINGO | 2 | 3 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 33.2.00059 | J7 | 36 | CORIOLUS VERRUCOSUS 'RÜHLEIN' | BEECH | 6 | 5 | 4 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 33.2.00059 | B7 | 36 | CORIOLUS VERRUCOSUS 'RÜHLEIN' | BEECH | 6 | 5 | 4 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 33.2.00059 | A7 | 36 | CELOSIA CRISPA | FLAMINGO | 2 | 3 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 33.2.00059 | E7 | 36 | CELOSIA CRISPA | FLAMINGO | 2 | 3 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 33.2.00059 | J7 | 36 | CELOSIA CRISPA | FLAMINGO | 2 | 3 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 33.2.00059 | B7 | 36 | CELOSIA CRISPA | FLAMINGO | 2 | 3 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 33.2.00059 | A7 | 36 | CELOSIA CRISPA | FLAMINGO | 2 | 3 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 33.2.00059 | E7 | 36 | CELOSIA CRISPA | FLAMINGO | 2 | 3 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

**Plant List Example**

(Constructed in Phase I – Contract D261357)
### TABLE OF LANDSCAPE DEVELOPMENT

<table>
<thead>
<tr>
<th>ITEM NO.</th>
<th>SYMBOL</th>
<th>QUANTITY</th>
<th>BOTANICAL NAME</th>
<th>COMMON NAME</th>
<th>SIZE</th>
<th>SPACE</th>
<th>REMARKS</th>
<th>LAP-1</th>
<th>LAP-2</th>
<th>LAP-3</th>
<th>LAP-4</th>
<th>LAP-5</th>
<th>LAP-6</th>
<th>LAP-7</th>
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<th>LAP-9</th>
<th>LAP-10</th>
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<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>Eucalyptus fortunei</td>
<td>WINTERREDGOLD</td>
<td>1 CONTAINER</td>
<td>500MM</td>
<td>SEE NOTE 6</td>
<td>452</td>
<td>481</td>
<td>785</td>
<td>462</td>
<td>695</td>
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<td>Carya illinoinensis</td>
<td>CANADIAN ELDER</td>
<td>1 CONTAINER</td>
<td>500MM</td>
<td>SEE NOTE 9</td>
<td>360</td>
<td>180</td>
<td>540</td>
<td>560</td>
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<td>Prunus incisa</td>
<td>JAPANESE CHERRY</td>
<td>1 CONTAINER</td>
<td>1700MM</td>
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<td>Helianthus annuus</td>
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<td>Pseudotsuga menziesii</td>
<td>TARA</td>
<td>1 CONTAINER</td>
<td>4500MM</td>
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<td>15</td>
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<td>Abies balsamea</td>
<td>BALSAM PINE</td>
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<td>200MM</td>
<td></td>
<td>60</td>
<td>100</td>
<td>300</td>
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<td>Abies x grandis Purpurea</td>
<td>FALSE SPIREOA</td>
<td>2 CONTAINER</td>
<td>15</td>
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</tbody>
</table>

**SPECIAL PLANT MATERIAL**

- **EF 1**
  - Cupressus lusitanica | JOE-PIC NEEDLE | 1 CONTAINER | 300MM | 50
- **OS 2**
  - Osmunda regalis | FOOTHILL FERN | 1 CONTAINER | 300MM | 30
- **AC 2**
  - Acer circinatum | BIRCH | 1 CONTAINER | 300MM | 1810
- **TS 1**
  - Thuya occidentalis | FOUNTAIN GRASS | 1 CONTAINER | 300MM | 75
- **SN 1**
  - Salix nigra | BLACK SEDGE | 2 CONTAINER | 300MM | 185
- **SN 2**
  - Salix nigra | BLACK SEDGE | 2 CONTAINER | 300MM | 512

**NOTES:**

1. SPECIES:
   - STREET TREE QUALITY
   - CTEX SPECIES
2. SPECIES:
   - STREET TREE QUALITY
   - CTEX SPECIES
3. SPECIES:
   - STREET TREE QUALITY
4. SINGLE SPECIES / TRUNK ONLY

---

**Plant List Example**

(Constructed in Phase I – Contract D261357)
Aesthetic Design Guide

Sound Wall Design and Materials
Aesthetic Design Guide

Sound Walls

**Sound Wall Location and Elevation:** the proposed sound walls must be located in the state right-of-way and near to the property lines. The top of wall elevations **must not** fall below the elevations noted on the 30% plans (partial plan sheet example shown above), top of wall elevation increases will be allowed up to 1-2 Ft higher than elevations provided on the 30% Plans. Top of wall design shall be as shown with elevation step points coinciding near residential property lines (see dashed red lines noted on the plan above).

**Sound Wall Material and Finish:** concrete shall be colored Westwood Brown and have a Grape Stake textured finish matching Scott System Inc, #161 Exaggerated Grape Stake pattern. Pattern depth may vary on the residential side of the wall. A clear, matte/low gloss finish, non-sacrificial anti-graffiti coating must be applied to the highway side of the wall.

**Planting:** shall be placed on the highway side of the wall, vines shall be used in all wall landscape plans with the intent that they will grow onto the wall. Other mixed plant material should be used to soften the appearance of the wall and to provide a buffer to bicyclists and pedestrians using either sidewalks or the shared-use path.
Aesthetic Design Guide

- Exaggerated Grape Stake Texture
- Average Texture Depth 1½ - 2 inches
- Minimal Horizontal Panel Seams
- Integral Panel Color: Westwood Brown
- Clear, Non-sacrificial, Anti-graffiti Coating

**Full Barrier Horizontal Panel**
(Highway Side & Residential Side can be the same)

**Split Barrier Horizontal Panel**
(Highway Side & Residential Side can be the same. Texture depth may vary)

**Two Horizontal Jointed Panel**
(Highway Side & Residential Side can be the same. Texture depth may vary)

**Multiple Horizontal Jointed Panel with Vegetated Screen ‘A’ Concept**
(Highway Side)

**Multiple Horizontal Joint Panel with Vegetated Screen ‘B’ Concept**
(Highway Side Only)

**Panel and Retaining Wall Concept**
(Highway Side Only)

**18 inch Smooth Top Band**

**16 inch Smooth Coping**

**2 Max. Horizontal Joints Visible**

**2 Max. Horizontal Joints Visible on Highway Side**

**8 Ft Max. Retaining Wall with 5-8 ft wide planting area behind the retaining wall**

Revised: October 2013
Aesthetic Design Guide

Other Sound Wall Related Features

Utility Service: must be maintained during construction, the location of utility poles should be done in a manner that does not conflict with sidewalk and shared-use path use

Access Panels: if specified in the contract access must be integrated with the aesthetic design of the sound walls where necessary to provide access to municipal facilities. The access panel must be a durable material, able to be opened by an average sized person, and have a locking mechanism. Except for the limited time when open, the access panel must not compromise the acoustic benefits of the sound wall(s).

Retaining walls: should be designed to match Phase I – Contract D261357 wall color and texture

Planting: should be provided between shared-use path/sidewalk and walls and to soften and screen the view to sound walls. Planting is required on the highway side of the sound walls and at the wall end sections

Existing Vegetation: minimize impact to existing mature native trees where possible

Construction adjacent to utility poles and lines
(Photo left: Off-site Example)
(Photo right: Existing View EB west of Plaisted Ave)

Access Doors/Panels
(Offsite - Slide Door Example)

Retaining Walls
(Constructed Phase I Example)

Planting between pedestrian path and wall. (Off-site Example)
Retaining Wall Example
(Constructed in Phase I – Contract D261357)
Aesthetic Design Guide

Materials & Colors
Aesthetic Design Guide

### Materials & Color Chart

- **(Constructed Phase I - Contract D261357 Chart Below)**
- **Field Changes noted in red**

#### ROUTE 347 MATERIALS & COLOR CHART

<table>
<thead>
<tr>
<th>ELEMENT</th>
<th>ITEM NUMBER</th>
<th>MATERIAL</th>
<th>PATTERN</th>
<th>COLOR</th>
<th>FEDERAL COLOR NUMBER</th>
<th>ANTI GRAFFITI</th>
<th>COMMENTS</th>
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<tr>
<td>Retaining Walls</td>
<td>566.729F – 1GM</td>
<td>Colored Concrete</td>
<td>Distress Pattern #2038</td>
<td>Westminster Brown</td>
<td>FC 34066</td>
<td>YES</td>
<td>Cast-in-Place Soldier Pile Wall</td>
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<tr>
<td>Concrete Median Strip</td>
<td>566.311F</td>
<td>Colored Concrete</td>
<td>Distress Pattern #2038</td>
<td>Westminster Brown</td>
<td>FC 34066</td>
<td>YES</td>
<td>Cast-in-Place Soldier Pile Wall</td>
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<tr>
<td>Imprinted Concrete at Various Locations</td>
<td>606.010G – 0GM</td>
<td>Colored Concrete</td>
<td>London Cobble Cambridge</td>
<td>Cool Grey Porcelain &amp; Hardener (Dark Grey Untinting Release Agent)</td>
<td>26132</td>
<td>NO</td>
<td>Buffer Pedestrian Median Areas, Bicycle Rack Pads</td>
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<tr>
<td>Pavers at Green Stop</td>
<td>606.03 – 0GM</td>
<td>Precast Concrete</td>
<td>Soldier Course</td>
<td>Westwood Brown</td>
<td>FC 33275/FC33303</td>
<td>NO</td>
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<tr>
<td>Pavers at Green Stop</td>
<td>606.03 – 0GM</td>
<td>Precast Concrete</td>
<td>Circle Kit</td>
<td>Westwood Brown</td>
<td>FC 33275/FC33303</td>
<td>NO</td>
<td>Field Changes noted in red</td>
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<tr>
<td>Pavers at Green Stop</td>
<td>606.03 – 0GM</td>
<td>Precast Concrete</td>
<td>Outer Ring of Circle Kit</td>
<td>Westwood Brown</td>
<td>FC 33275/FC33303</td>
<td>NO</td>
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<td>Galvanized Steel</td>
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<td>Painted Forest Green</td>
<td>FC 34066</td>
<td>NO</td>
<td>Painted Forest Green</td>
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<tr>
<td>Sign Bases</td>
<td>607.05000M</td>
<td>Aluminum</td>
<td>Painted</td>
<td>Painted Forest Green</td>
<td>FC 34066</td>
<td>NO</td>
<td>Painted Forest Green</td>
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<td>Decorative Light Poles</td>
<td>670.160F – 0GM</td>
<td>Aluminum Alloy 7/Steel</td>
<td>Painted</td>
<td>Painted Forest Green</td>
<td>FC 34066</td>
<td>NO</td>
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<td>Corba Head Light Poles</td>
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<td>Kiosk</td>
<td>615.001 – 0GM</td>
<td>Steel Frame</td>
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<td>FC 34066</td>
<td>NO</td>
<td>Painted Forest Green</td>
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<td>FC 34066</td>
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<td>Cast-in-Place Soldier Pile Wall</td>
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<tr>
<td>Bench</td>
<td>615.001 – 0GM</td>
<td>Ductile Iron End Frames</td>
<td>Smooth Concrete Cap</td>
<td>Iron Black Cherry</td>
<td>FC 34066</td>
<td>NO</td>
<td>Painted Only, No Starting Cap, Internal with Wall</td>
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<tr>
<td>Bicycle Rack</td>
<td>615.2601F – 0GM</td>
<td>Steel</td>
<td>Painted</td>
<td>Painted Forest Green</td>
<td>FC 34066</td>
<td>NO</td>
<td>Custom Graphic Cut-out</td>
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<tr>
<td>Imprinted Concrete at Bus Stop Pad</td>
<td>608.010C – 0GM</td>
<td>Colored Concrete</td>
<td>Soldier Course</td>
<td>Charcoal Grey Porcelain &amp; Hardener (Dark Grey Untinting Release Agent)</td>
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<td>NO</td>
<td>Perimeter of Pad, Field Changes noted in red</td>
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<tr>
<td>Imprinted Concrete at Bus Stop Pad</td>
<td>608.010D – 0GM</td>
<td>Colored Concrete</td>
<td>Random Ashlar Slate</td>
<td>Warm Grey Porcelain &amp; Hardener (Dark Grey Untinting Release Agent)</td>
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<td>Under Bus Shelter, Field Changes noted in red</td>
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<tr>
<td>Bus Shelter</td>
<td>615.2615301M</td>
<td>Aluminum</td>
<td>Matte Finish</td>
<td>Forest Green</td>
<td>FC 34066</td>
<td>NO</td>
<td>Painted Forest Green</td>
</tr>
<tr>
<td>Wood &amp; Metal Bicycle Railings</td>
<td>615.0590 – 0GM</td>
<td>Galvanized Steel Posts</td>
<td>Painted</td>
<td>Painted Brown Black</td>
<td>FC 20040</td>
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<td>Painted Only, No Starting Cap, Internal with Wall</td>
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<tr>
<td>Vinyl Coated Fence</td>
<td>670.269F – 1GM</td>
<td>Vinyl Coated Steel 14 Gauge</td>
<td>Painted</td>
<td>Painted Black</td>
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<td>Vinyl Coated Steel Chain Link</td>
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<td>Painted Black</td>
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<td>Painted Only, No Starting Cap, Internal with Wall</td>
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<tr>
<td>Polycarbonate for Pavers</td>
<td>608.03 – 1GM</td>
<td>Polycarbonate Sand</td>
<td>Painted</td>
<td>Painted Forest Green</td>
<td>FC 34066</td>
<td>NO</td>
<td>Painted Only, No Starting Cap, Internal with Wall</td>
</tr>
<tr>
<td>Interpretive Sign</td>
<td>646.52 – 1GM</td>
<td>Steel Frame</td>
<td>Painted</td>
<td>Painted Forest Green</td>
<td>FC 34066</td>
<td>NO</td>
<td>Painted Only, No Starting Cap, Internal with Wall</td>
</tr>
</tbody>
</table>
Aesthetic Design Guide

Vertical Elements: Forest Green Color Branding

Decorative Lighting (Constructed Phase I Example)

Bus Stop Features (Constructed Phase I Example)

Traffic Sign Backs (Constructed Phase I Example)

Pedestrian Signals (Constructed Phase I Example)

Traffic Signal Poles (Constructed Phase I Example)

Traffic and Inform Control Boxes (Constructed Phase I Example)
Aesthetic Design Guide

Pavement and Walls: Neutral Tone Color

Grey Tones: Median Refuge, Buffer, Bicycle Pads (Constructed Phase 1 Example)

Grey Tones: Bus Stop (Constructed Phase 1 Example)

Brown Tones: Median (Constructed Phase 1 Example)

Grey Tones: Shared-use Path Buffer (Constructed Phase 1 Example)

Brown Tones: Retaining Walls (Constructed Phase 1 Example)

Brown Tones: Sound Wall (Constructed Phase 2 Example)