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<th>Client</th>
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Borough of Phoenixville
Streetscape Wayfinding Sign System - 95% Design Intent Document _r1
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Section 1 Information/Specifications/Design Overview
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Scope of Work
ex;it has developed a streetscape wayfinding sign program for the Borough of Phoenixville, PA. This program includes Gateway, Trailblazer, Directional, and Parking ID signage for the accessibility and use of traffic throughout the borough.

Project Contacts
Owner
Borough of Phoenixville
140 Church Street
Phoenixville, PA 19460

Signage Consultant
ex;it
Suite 1665
1617 JFK Boulevard
Philadelphia, Pennsylvania 19103
Contact: Kelly Bennett
215.561.1950
kelly.bennett@exploreexit.com

Open Issues
1. Ground conditions vary and need to be surveyed for final footer/foundation design.
2. MUTCD traffic and signage standards to be reviewed for background and messaging retroreflectivity.
3. MUTCD traffic and signage standards to be reviewed for need and use of break-away hardware of sign posts.
4. Trailblazer naming to be reviewed; Phoenixville or Downtown?
5. Gateway sign internal illumination engineering by sign fabrication w/coordination by design team.
6. Prototype testing needs to be done. Final prototypes needed, TBD, to be reviewed by client, designer, and fabricator; upon approval sign fabrication can begin.
7. ex;it recommends a Phase 2 project consisting of Pedestrian wayfinding, Trail wayfinding, and storefront graphic guidelines.
General Specifications—continued

1.00 Project Description

A. Owner:
The Borough of Phoenixville
Chester County, Pennsylvania
Borough Hall, 140 Church Street
Phoenixville, PA 19460

B. The project is located at the following address:
The Borough of Phoenixville
Chester County, Pennsylvania
Borough Hall, 140 Church Street
Phoenixville, PA 19460

C. This project consists of illuminated gateway signage as well as non-illuminated pedestrian wayfinding, trailblazer ID, and parking ID for the Borough of Phoenixville.

2.00 Included Work

A. Site verification, fabrication, delivery and installation of all signs types and quantities indicated in the final approved message schedule and location plan. Contractor to verify the sign quantities from the message schedule and location plans and if discrepancies exist, notifying the designer of any such discrepancies.

B. Work shall include all support structures and fasteners required for installation.

C. Work shall include all design engineering needed to produce the project to comply with all applicable municipal, state and federal code and structural soundness.

D. Contractor to provide all services, subcontractors, labor, materials and equipment needed to complete the work described in this design drawings and specifications document.

E. At the completion of the project and within 5 working days the sign contractor shall perform a walk-through with the designer and owner to inspect the installation and create a punch list of all unsatisfactory items.

3.00 Work Quality

A. All work to be done in a professional manner and to the highest trade standards.

B. Contractor is responsible for insuring the quality standards above for all related professional and trade subcontracted work including; general carpentry, masonry, electrical, landscaping, or utilities required for the installation of all sign types as described, unless otherwise agreed to by owner. All subcontracted work must meet the general accepted professional standards.

4.00 Submittals

4.01 Shop Drawings

Fabricator shall submit one (1) sets of shop drawings as outlined below:

A. Include plans, elevations, sections and large-scale details of sign wording and lettering layout. Provide drawing layouts of each individual sign face. Show anchorages and accessory items.

B. Show fabrication and installation details, including all sign components such as extrusions, brackets, bracing, hardware, internal framing, foundations, etc.

4.02 Samples

A. Samples shall be clearly labeled on the back (where possible), designating item number, name of manufacturer, sign type and location.

B. Samples should represent extreme variations in color and texture that might occur during fabrication.

C. Designer reserves the right to reject any samples that do not satisfy the construction, finish or color requirements. Submit additional samples as required to obtain final approval.

4.03 Color and Finish Samples

Submit two (2) samples of each color and finish applied on each material type indicated in the drawing package. Samples should represent the final finish of each element and will be used as control samples for production approval.

A. 6" sq. color sample plates of each painted finish.

B. 6" sq. material sample plates of each finish material.

C. 6" sq. material Samples of intended translucent acrylic Sign Face.

4.04 Paper Templates

A. Sign Fabricator shall provide for designer approval half size paper templates of each sign showing graphic elements. Templates should be fully assembled or have complete registration marks for assembly.

4.05 Sign Mock-up Test

A. Sign Fabricator shall provide for designer approval full size banner templates of each sign type. Templates to be hung at each on-site location prior to fabrication of signage, for review by designer and client.

4.06 Sign Prototypes

A. Sign Fabricator shall provide for designer approval (1) full-size partial prototype of sign the gateway and vehicular directional signs. Prototypes to incorporate materials, finishes and processes noted in Design Intent package and utilize construction methods that will be incorporated in final sign type fabrication. If approved, prototype components to be used in final sign fabrication.
9.00 Regulatory Requirements.
A All installation work shall comply with applicable municipal, state and federal codes, sign ordinances and ADA guidelines for handicapped and fire/life safety signing.
B All OSHA safety requirements will be implemented during fabrication and installation as needed or required to comply with safety regulations.

6.00 Reference Standard
The following materials reference standards will apply to the work materials (use most current version of reference standards):
ASTM A36 Structural Steel
ASTM A123 Zinc (Hot Galvanized) coatings on products fabricated from rodded, pressed and forged steel shapes, plates and bars.
ASTM B221 Aluminum-alloy extruded bars, rods, wire, shapes and tubes.
ASTM D822 Light and water exposure apparatus (carbon-arc type) for testing paint, varnish, lacquer, and related products.
ASTM E84 Surface-burning characteristics of building materials.lacquer and related products.
AWI Comply with applicable requirements of "Architectural Woodwork Quality Standards" published by the Architectural/Woodwork Institute.
CDA Copper Development Association, Inc.
FS L-P 391 Plastic sheet, rods and tubing, rigid, cast materials.
FS L-P 387 Plastic sheet, laminated, thermosetting.
PS-1 Construction and industrial plywood.
PEI Procelain Enamel Institute.
TM B135 QQ-B-613 (Fed Spec) Brass, Muntz 280
UL-943 Fluorescent lamp ballasts.

7.00 Protection and Storage
A Contractor is responsible for storage of signs and assemblies and protection from damage at the shop, in transit and until erected in place, complete, inspected and accepted by owner.
B Contractor is responsible for the replacement of equipment both prior to and until inspection and acceptance of installation by the owner.

8.00 Inspection
A All production materials, color samples and paints, fabricated or partially fabricated items shall be available for inspection, on-site or in the shop, by the owner or designer during the manufacturing process and until final delivery, installation and acceptance, to determine compliance with the requirements of these specifications.
B Shop inspection approvals do not guarantee final acceptance of installed work.

9.00 Installation
A Install Sign units and components with concealed fasteners unless otherwise shown. Refer to drawings for general method of installation. Verify each surface in field to determine appropriate mounting hardware. Sign fabricator is responsible for determining where below ground or in-wall structural tie-ins may be required.

10.00 Clean Up
A Daily and upon completion of installation remove all waste, dirt, wrappings and excess materials, tools and equipment thoroughly clean all surfaces to the satisfaction of the owner.

11.00 Reordering
A All items specified in this package shall be available to the owner in additional quantities for a period of 10 years after completion of all work called for in this specification.

12.00 Warranty
A Warrant all products (including, but not limited to, materials, hardware and finishes) against any and all defects for a minimum period of seven years from date of installation.
B Vinyl die-cut letters: warranted for seven years against degradation from substrate.
C Paint finishes: warranted for seven years against fading or chalking, corrosion developing beneath paint surfaces of the support systems (except for obvious vandalism or other external damage to the paint surfaces).
D Corrosion of the fastenings.
E The signs not remaining true and plumb on their supports during normal wear.
F Fading of the colors when matched against a sample of the original color and material.
G Discoloration of metal finishes.
H Uneven illumination; dark or hot spots.
I The contractor shall correct any and all material and/or workmanship defects in which may appear during the warranty period by restoring the work to the standard of the contract documents at no cost to the owner and to the owner’s satisfaction. Corrections include, but are not limited to: disfiguring of any surface due to chalking, rusting, bubbling, crazing or other disintegration of the sign face or of the messages or of the edge finish of the sign inserts or panels.

13.00 Metals
13.01 Aluminum
A Aluminum shall be of best commercial quality and the various forms shall be straight and true. There shall be no scratches, scars or buckles. Size thickness, and finish of aluminum shall be per NAAMM “Metal Finishes Manual”. Comply with the following industry standards.
B Aluminum sheets shall conform to ASTM B209 6061-T6
C Aluminum extrusions shall conform to ASTM B241 6063 T6. Wall thickness shall be a minimum of 1/8” thick unless otherwise shown.

14.00 Plastics
14.01 Cast Acrylic Sheet
A Provide cast (not extruded or continuous cast) methyl methacrylate monomer plastic sheet, in sizes and thicknesses...
### General

- For wet and damp use, LED-based fixture itself shall be sealed, rated, and tested for appropriate environmental conditions, not accomplished by using an additional housing or enclosure.
- All hardwired connections to LED fixtures shall be reverse polarity protected and provide high voltage protection in the event connections are reversed or shorted during the installation process.
- All LED fixtures and power supplies shall be provided by a single manufacturer to ensure compatibility.
- All products associated with installation and control of the LED system, including peripheral devices and software are to be provided by a single manufacturer.

### 15.00 Adhesives and Tapes

#### 15.01 Foam Tape
- Provide 3M double coated foam tape 4016, 4032 or equal.
- Adhesive shall be A-20 Acrylic
- Carrier shall be urethane foam

#### 15.02 Laminating Adhesive
- Provide Flexcon V9590 D/FPW clear or equal.

#### 15.03 VHB Foam Tapes
- Provide 3M Scotch VHB 4930
- Adhesive shall be Acrylic VHB
- Carrier shall be closed cell foam

#### 15.04 Silicone Adhesive
- TTs-00230C, ASTM C920 Clear, (Acetoxy Cure)

#### 15.05 Epoxy
- 3M DP-110 or equal

### 16.00 L.E.D. Lighting

- The Contractor shall furnish the complete L.E.D.-based lighting system to meet Design Intent Drawing Specifications.
- The LED fixture shall be operated at constant and carefully regulated current levels. LEDs shall not be overdriven beyond their specified nominal voltage and current.
- All LED fixtures (100% of each lot) shall undergo a minimum eight-hour burn-in test during manufacturing.
- Manufacturer shall provide optical performance, polar diagrams, and relevant luminance and illuminance photometric data based on test results from an independent testing lab.
- Manufacturer shall provide photometric data in IES file format in accordance with IES LM-63-2002, based on test results from an independent testing lab.
- Manufacturer shall provide mechanical, electrical, network communication and environmental specifications.
- Manufacturer shall provide installation guides, wiring diagrams, and application engineering services.

### 17.00 Quality Assurance

- Work done and materials furnished shall meet the highest industry standards in every respect and, unless otherwise specified, materials and equipment shall be new and of the latest design.
- Use only personnel thoroughly skilled and experienced with the products and method for fabrication and installation of signage specified.
- The owner shall reserve the right to reject any shop drawings, samples or other submittals, as well as any finished product or installation, that cannot meet the standard of quality established. Any such decision will be considered final and not subject to recourse.
- The intent of the contract documents is to provide everything necessary for a complete contract. In the event of conflict or omission, the fabricator shall consult the designer for resolution.
- Materials and hardware not specified, but necessary to the complete functioning of the sign, shall conform to the quality level established.
- Substitutions of items specifically indicated in this specifications package that serve the same function with equal performance will be considered upon submission of substitution.
18.00 General

A. Fabricate signs to comply with the requirements indicated for materials, thicknesses, finishes, colors, designs, shapes, sizes and details of construction. Sign panel surfaces shall be smooth, even and fabricated to remain flat under installed conditions. Where specification calls for painted edges, they shall be routed and painted to match face color. For framed units, edges shall be painted or brushed to match finish of face of unit unless otherwise indicated on drawings.

18.01 Digitally Printed Media

A. Printer to have direct-to-substrate printing capabilities with CMYK and White ink options.
B. All media is to be opaque, with full even coverage, and free from dust bubbles, blemishes and other foreign matter.
C. Sign Contractor should seek to minimize visible banding over color fields and large graphics. Designer reserves the right to reject print samples that display excessive banding.

18.02 Cut Metal and Acrylic Letters

A. Letters shall be cut from sheet stock to thickness specified in design documentation.
B. All letterforms, logo symbols, graphics and icons shall exactly replicate the form as specified in the standards of this document. Manual filing of interior shapes to remove material left by router bit may be required to create accurate forms.

18.03 Aluminum and Acrylic Letter Finishes

A. Return edges shall be painted to match letter face unless otherwise specified.
B. Brushed finished aluminum letters to have sandblasted edges unless otherwise specified.

18.04 Cut Letter Mounting

A. Cut metal letterforms shall be mounted on surfaces as indicated in the design documentation package.

18.05 Engraved ADA Lettering and Braille

A. Letters and characters shall be raised 1/32" and be accompanied by redundant Grade 2 Braille copy. Tactile lettering shall meet all ADA and IBC/ANSI A117.1 requirements in terms of edge detailing and angle of letter and character return.

18.06 Chemically Deep-Etched Zinc

A. Letters and characters shall be raised 1/32" and be accompanied by redundant Grade 2 Braille copy. Tactile lettering shall meet all ADA and IBC/ANSI A117.1 requirements in terms of edge detailing and angle of letter and character return.

B. Letters and characters shall meet all ADA and IBC/ANSI A117.1 requirements in terms of finish (eggshell, matte or non-glare). Color shall be as specified in the design documentation package.
Design Intent Documentation

Client Name and Address: Borough of Phoenixville
140 Church Street
Phoenixville, PA 19460

Date: 6.13.12
Revisions:

Project Name and Address: Borough of Phoenixville
140 Church Street
Phoenixville, PA 19460

Notes:

Drawing Description

4 Panels
3 Panels
2 Panels
1 Panel

DIR.1
Vehicular Directional

TRL.1a
Trailblazer
3" Letter Height

TRL.1b
Trailblazer
4" Letter Height

TRL.1b
Trailblazer
6" Letter Height

PRK.1
Parking Identification

GWY.1
Gateway Identification
8" Letter Height

Notes here

7.20.12
These drawings express design intent only and are not for construction.

Contractor is responsible for:
- Final design and engineering of components indicated, including all aspects of mounting, erection, anchoring and attachment.
- Structural integrity, electrical function and connections to power and communications sources to satisfy owner's requirements.
- Coordination with contractor and other trades, including but not limited to lighting, structural, communications and landscaping schemes.
- Verification of conditions in field prior to submission of shop drawings and samples.

Sign Type Description
- **DIR 1** Directional-Post and Panel

Sign Blade Copy
- 4"h. Copy.
- Typeface: T1.
- Material: V1, surface applied.

Sign Blade (typ.)
- 1 1/2"thk. x 8"h. Painted aluminum panel mechanically fastened thru sign post. Paint all sides:
  - P1.
  - P2.
  - P3.
  - P4.

Sign Blade (typ.)
- **Back side of Destination Panels have no copy.**

Sign Blade Copy
- 3 5/8"h. Symbol.
- Material: V1, surface applied.
- Symbol artwork to be provided.

Foundation/Footer
- Final design by sign fabricator and based on field survey conditions and MUTCD requirements for break-away conditions. All engineered designs to be approved by client and designer prior to sign fabrication.

Notes:
- These drawings express design intent only and are not for construction.
- Contractor is responsible for:
  - Final design and engineering of components indicated, including all aspects of mounting, erection, anchoring and attachment.
  - Structural integrity, electrical function and connections to power and communications sources to satisfy owner's requirements.
  - Coordination with contractor and other trades, including but not limited to lighting, structural, communications and landscaping schemes.
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- Coordination with contractor and other trades, including but not limited to lighting, structural, communications and landscaping schemes.
- Verification of conditions in field prior to submission of shop drawings and samples.

The method for determining reflectivity requirements is as follows:

- Research and verification is required for whether or not sign background has to have reflective properties (MUTCD).
- Color Reflectivity.
- Research and verification is required for whether or not sign background has to have reflective properties (MUTCD).

The foundation/footers to be engineered for a 5-panel sign regardless of how many panels are programmed.
These drawings express design intent only and are not for construction. Contractor is responsible for:

1. Final design and engineering of components indicated, including all aspects of mounting, erection, anchoring and attachment.
2. Structural/mechanical electrical function and connection to power and telecommunications sources to satisfy owner’s requirements.
3. Coordination with contractor and other trades, including but not limited to lighting, structural, communications and landscaping schemes.
4. Verification of conditions in field prior to submission of shop drawings and samples.
5. Submittals for approval by exit prior to fabrication and installation, including but not limited to shop drawings of all materials, colors, applications and finishes. Refer to Section 1 Specifications of this document for more information.

Notes:

The drawings express design intent only and are not for construction. Contractor is responsible for:

1. Final design and engineering of components indicated, including all aspects of mounting, erection, anchoring and attachment.
2. Structural/mechanical electrical function and connection to power and telecommunications sources to satisfy owner’s requirements.
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3. Coordination with contractor and other trades, including but not limited to lighting, structural, communications and landscaping schemes.
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3. Coordination with contractor and other trades, including but not limited to lighting, structural, communications and landscaping schemes.
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Notes:
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1. Final design and engineering of components indicated, including all aspects of mounting, erection, anchoring and attachment.
2. Structural integrity, electrical function and connections to power and communications sources to satisfy owner’s requirements.
3. Coordination with contractor and other trades, including but not limited to lighting, structural, communications and landscaping schemes.
4. Verification of conditions in field prior to submission of shop drawings and samples.
5. Submittals for approval by exit prior to fabrication and installation, including but not limited to shop drawings of all graphics with seal of registered engineer and samples of all materials, colors, applications and finishes. Refer to Section 1 Specifications of this document for more information.

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<th>Sign Type Description</th>
<th>Spec. Details</th>
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<tr>
<td>DIR.1 Vehicular Directional- Post and Panel</td>
<td>Background Panel: PS, Alizarine Red- MP #11124, or approved equal. Copy and Arrow: Reflective White Vinyl.</td>
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</table>
These drawings express design intent only and are not for construction. Contractor is responsible for:

- Final design and engineering of components indicated, including all aspects of mounting, erection, anchoring and attachment.
- Structural integrity, electrical function and connections to power and communications sources to satisfy owner's requirements.
- Coordination with contractor and other trades, including but not limited to lighting, structural, communications and landscaping schemes.
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- Submittals for approval by exit prior to fabrication and installation, including but not limited to shop drawings of all graphics with seal of registered engineer and samples of all materials, colors, applications and finishes. Refer to Section 1 Specifications of this document for more information.

Sign Type Description

| DIR.1 | Directional-Post and Panel |

Spec. Details

| Sheet No | 0.04 | Design Intent Documentation |

Client Name and Address: Borough of Phoenixville
140 Church Street
Phoenixville, PA 19460

7.20.12

Borough of Phoenixville
140 Church Street
Phoenixville, PA 19460

6.13.12

510460
These drawings express design intent only and are not for construction. Contractor is responsible for:

1. Final design and engineering of components indicated, including all aspects of mounting, erection, anchoring and attachment.
2. Structural, electrical function and connections to power and communications sources to satisfy owner's requirements.
3. Coordination with contractor and other trades, including but not limited to lighting, structural, communications and landscaping schemes.
4. Verification of conditions in field prior to submission of shop drawings and samples.
5. Submittals for approval by exit prior to fabrication and installation, including but not limited to shop drawings of all graphics with seal of registered engineer and samples of all materials, colors, applications and finishes. Refer to Section 1 Specifications of this document for more information.

4.7.20.12

Borough of Phoenixville
140 Church Street
Phoenixville, PA 19460

510460

DIR.1 Vehicular Directional: 2-Panel Variations

DIR.1 Vehicular Directional: 3-Panel Variations

DIR.1 Vehicular Directional: 3-Panel Variations

DIR.1 Vehicular Directional: 2-Panel Variations
These drawings express design intent only and are not for construction. Contractor is responsible for:

- Final design and engineering of components indicated, including all aspects of mounting, erection, anchoring and attachment.
- Structural integrity, electrical function and connections to power and communications sources to satisfy owner's requirements.
- Coordination with contractor and other trades, including but not limited to lighting, structural, communications and landscaping schemes.
- Verification of conditions in field prior to submission of shop drawings and samples.
- Submittals for approval by owner prior to fabrication and installation, including but not limited to shop drawings and materials, colors, applications and finishes. Refer to Section 1 Specifications of this document for more information.

Sign Blade
1 1/4"x 6 1/2"w. Fabricated, aluminum tube frame, welded together, w/ applied 1/8"thk. aluminum skin, both sides. Paint all sides: P4.

Sign Blade Copy
4"h. Copy. +16 Tracking. Typeface: T1. Material: V1, surface applied.

Sign Post
Custom fabricated, metal sign post: (2) custom cut 1/2"thk. L-angles w/ 1/4"thk. reveal panel between; welded together and bolted thru sign blade. Paint all sides: P5.

Foundation/Footer
Final design by sign fabricator and based on field survey conditions and MUTCD requirements for break-away conditions. All engineered designs to be approved by client and designer prior to sign fabrication.

"Parking_Symbol.eps" 13 3/4" dia. Symbol. Material: V1, surface applied. Symbol artwork to be provided.

Color Reflectivity
Research and verification is required for whether or not sign background has to have reflective properties (MUTCD).

Notes:

These drawings express design intent only and are not for construction. Contractor is responsible for:

- Final design and engineering of components indicated, including all aspects of mounting, erection, anchoring and attachment.
- Structural integrity, electrical function and connections to power and communications sources to satisfy owner's requirements.
- Coordination with contractor and other trades, including but not limited to lighting, structural, communications and landscaping schemes.
- Verification of conditions in field prior to submission of shop drawings and samples.
- Submittals for approval by owner prior to fabrication and installation, including but not limited to shop drawings and materials, colors, applications and finishes. Refer to Section 1 Specifications of this document for more information.

Sign Type #  Sign Type Descriptive
PRK.1 Parking ID- Post and Panel

Elevations and Details

Sheet No: 2

Design Intent Documentation

Client Name and Address

Drawn

Project #

Project Name and Address

Revisions

Notes

Client Name and Address

Borough of Phoenixville
140 Church Street
Phoenixville, PA 19460

6.13.12

1050x601

510460

1170x552

7.20.12

510460

792x533

1 3/4"-typ.

4 1/2"-typ.

1'-0 3/4"

3 3/4"

1051x384

2 1/4"

2 1/2"

2" - 1 1/4"

2'-1 1/4"

7'-6"

9'-9 1/4"

2 1/2"

5 1/4"

1/4"

2 3/4"

1 7/8"

4"
These drawings express design intent only and are not for construction.

Contractor is responsible for:

1. Final design and engineering of components indicated, including all aspects of mounting, erection, anchoring and attachment.
2. Structural and electrical function and conformity to owner and administrative agencies to satisfy owner’s requirements.
3. Coordination with contractor and other trades, including but not limited to: lighting, structural, communications and landscaping schemes.
4. Verification of conditions in field prior to submission of shop drawings and samples.
5. Ensuring all materials, colors, applications and finishes, refer to Section 1 Specifications of this document for more information.

Sign Blade
1 1/4"d. x 6 1/2"w. Fabricated, aluminum tube frame, welded together, w/ applied 1/8"thk. aluminum skin, both sides.
Paint all sides: P4.

Sign Blade Copy
4"h. Copy. +16 Tracking.
Typeface: T2.
Material: M1, surface applied.

Color Reflectivity
Research and verification is required for whether or not sign background has to have reflective properties (MUTCD).

Sign Post
Custom fabricated, metal sign post: (2) custom cut 1/2"thk. L-angles w/ 1/4"thk. reveal panel between; welded together and bolted thru sign blade. Paint all sides: P5.

Streetscape Conditions Vary
All conditions to be verified prior to sign fabrication, including, but not limited to, sidewalk conditions for types of footer/foundation, utility lines below grade, MUTCD requirements, etc.

Sign Type Descriptions
PRK.1 Parking ID- Post and Panel

Parking ID- Post and Panel

PRK.1 Parking Lot ID- Plan Elevation

PRK.1 Parking Lot ID- Install Elevation

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These drawings express design intent only and are not for construction. Contractor is responsible for:

- Final design and engineering of components indicated, including all aspects of mounting, erection, anchoring and attachment.
- Structural/mechanical, electrical function and interconnection to power and communications sources to satisfy owner’s requirements.
- Coordination with contractor and other trades, including but not limited to lighting, structural, communications and landscaping schemes.
- Verification of conditions in field prior to construction and drawings and samples.
- Submittals for approval by exit prior to fabrication and installation, including but not limited to shop drawings of all materials, colors, applications and finishes.

Research and verification is required for whether or not graphic background has to have reflective properties (MUTCD).

Sign Blade
1 1/4”d. x 6 1/2”w. Fabricated, aluminum tubing frame, welded together, w/ applied 1/8”thk. aluminum skin, both sides. Paint all sides: P2.

Sign Post
Custom fabricated, metal sign post:
(2) custom cut 1/2”thk. L-angles w/ 1/4”thk. reveal panel between; welded together and bolted thru sign blade. Paint all sides: P5.

Foundation/Footer
Final design by sign fabricator and based on field survey conditions and MUTCD requirements for break-away conditions. All engineered designs to be approved by client and designer prior to sign fabrication.

Color Reflectivity.

Sign Type Description
TRL.1a Trailblazer Pylon

Elevations and Details

Design Intent Documentation

Client Name and Address
Borough of Phoenixville
140 Church Street
Phoenixville, PA 19460

Drawn
510460

Project #
6.13.12

Project Name and Address
Borough of Phoenixville
140 Church Street
Phoenixville, PA 19460

Drawn
7.20.12

Notes here

# Arrow_Symbol 2.png
2 7/8”l. Symbol.
Material: V1, surface applied.
Symbol artwork to be provided.

# Phoenixville.png
3”h. Letter-height.
Material: V1, surface applied.
Symbol artwork to be provided.

# Arrow_Symbol 2.png
2 7/8”l. Symbol.
Material: V1, surface applied.
Symbol artwork to be provided.
These drawings express design intent only and are not for construction. Contractor is responsible for:

- Final design and engineering of components indicated, including all aspects of mounting, erection, anchoring and attachment.
- Structure/making electrical function and connections to power and communications sources to satisfy owner’s requirements.
- Coordination with contractor and other trades, including but not limited to lighting, structural, communications and landscaping schemes.
- Verification of conditions in field prior to submission of shop drawings and samples.
- Bids and/or quotations for all materials, colors, applications and finishes.
- Structural engineering calculations and Approvals of this document for more information.

Sign Blade
1 1/4" d. x 6 1/2" w. Fabricated, aluminum tube frame, welded together, w/ applied 1/8" thk. aluminum skin, both sides. Paint all sides: P6.

"Phoenixville" 3" h. Letter-height. Material: V1, surface applied. Symbol artwork to be provided.

Color Reflectivity. Research and verification is required for whether or not sign background has to have reflective properties (MUTCD).

Sign Post
Custom fabricated, metal sign post: (2) custom cut 1/2" thk. L-angles w/ 1/4" thk. reveal panel between; welded together and bolted thru sign blade. Paint all sides: P5.

Streetscape Conditions Vary. All conditions to be verified prior to sign fabrication, including, but not limited to, sidewalk conditions for type of footing/foundation, utility lines below grade, MUTCD requirements, etc.
These drawings express design intent only and are not for construction. Contractor is responsible for:

- Final design and engineering of components indicated, including all aspects of mounting, erection, anchoring and attachment.
- Structural/shipping/delivery function and coordination to owner and administrations ensures to satisfy owner's requirements.
- Coordination with contractor and other trades, including field installations, electrical, structural, communications and landscaping schemes.
- Verification of conditions in field prior to submission of shop drawings and samples.
- Submittals for approval by exit prior to fabrication and installation, including but not limited to shop drawings of all materials, colors, applications and finishes. Refer to Section 1 Specifications of this document for more information.

Sign Type # | Sign Type Description
---|---
TRL.1b | Trailblazer Pylon

Elevations and Details

Sign Blade
1 1/4”d. x 8”w. Fabricated, aluminum tube frame, welded together, w/ applied 1/8”thk. aluminum skin, both sides. Paint all sides: P2.

Sign Post
Custom fabricated, metal sign post: (2) custom cut 1/2”thk. L-angles w/ 1/4”thk. reveal panel between; welded together and bolted thru sign blade. Paint all sides: P5.

Foundation/Footer
Final design by sign fabricator and based on field survey conditions and MUTCD requirements for break-away conditions. All engineered designs to be approved by client and designer prior to sign fabrication.
These drawings express design intent only and are not for construction.
Contractor is responsible for:

- Final design and engineering of components indicated, including all aspects of mounting, erection, anchoring and attachment.
- Structural integrity, electrical function and connections to power and communications sources to satisfy owner’s requirements.
- Coordination with contractor and other trades, including, but not limited to, lighting, structural, communications and landscaping schemes.
- Verification of conditions in field prior to submission of shop drawings and samples.
- Submittals for approval by exit prior to fabrication and installation, including but not limited to shop drawings and all graphics with seal of registered engineer.

Sign Blade
1 1/4”d. x 8 1/2”h. Fabricated, aluminum tube frame, welded together, w/ applied 1/8”thk. aluminum skin, both sides. Paint all sides: PS. “Phoenixville 1.aps” 4”h. Letter-height. Material: V1, surface applied. Symbol artwork to be provided.

Color Reflectivity. Research and verification is required for whether or not sign background has to have reflective properties (MUTCD).

Sign Post
Custom fabricated, metal sign post: (2) custom cut 1/2”thk. L-angles w/ 1/4”thk. reveal panel between; welded together and bolted thru sign blade. Paint all sides: PS.

Streetscape Conditions Vary.
All conditions to be verified prior to sign fabrication, including, but not limited to, sidewalk conditions for type of footer/foundation, utility lines below grade, MUTCD requirements, etc.
These drawings express design intent only and are not for construction. Contractor is responsible for:

1. Final design and engineering of components indicated, including all aspects of mounting, erection, anchoring and attachment.
2. Structural/mechanical/functional and correspondence to owner and communications excuse to satisfy owner's requirements.
3. Coordination with contractor and other trades, including but not limited to lighting, structural, communications and landscaping schemes.
4. Verification of conditions in field prior to submission of shop drawings and samples.
5. Guarantees for approved by exit prior to fabrication and installation, including but not limited to shop drawings of all materials, colors, applications and finishes. Refer to materials and specifications of this document for more information.

Sign Blade
1 1/4"d. x 8"w. Fabricated, aluminum tube frame, welded together, wi applied 1/8"thk. aluminum skin, both sides. Paint all sides: P2.

"Phoenixville 1eps"
4"h. Letter-height. Material: V1, surface applied. Symbol artwork to be provided.

Sign Post
Custom fabricated, metal sign post:
(2) custom cut 1/2"thk. L-angles w/ 1/4"thk. reveal panel between; welded together and bolted thru sign blade. Paint all sides: P5.

Foundation/Footer
Final design by sign fabricator and based on field survey conditions and MUTCD requirements for break-away conditions. All engineered designs to be approved by client and designer prior to sign fabrication.

Color Reflectivity.
Research and verification is required for whether or not sign background has to have reflective properties (MUTCD).

TRL.1c Trailblazer Pylon

Sign Type Description
TRL.1c Trailblazer Directional

Elevations and Details

Client Name and Address
Borough of Phoenixville
140 Church Street
Phoenixville, PA 19460

Date
6.13.12

Document Drawings
2

Project #
510460

Design Intent Documentation

These drawings express design intent only and are not for construction. Contractor is responsible for:

1. Final design and engineering of components indicated, including all aspects of mounting, erection, anchoring and attachment.
2. Structural/mechanical/functional and correspondence to owner and communications excuse to satisfy owner's requirements.
3. Coordination with contractor and other trades, including but not limited to lighting, structural, communications and landscaping schemes.
4. Verification of conditions in field prior to submission of shop drawings and samples.
5. Guarantees for approved by exit prior to fabrication and installation, including but not limited to shop drawings of all materials, colors, applications and finishes. Refer to materials and specifications of this document for more information.

Sign Blade
1 1/4"d. x 8"w. Fabricated, aluminum tube frame, welded together, wi applied 1/8"thk. aluminum skin, both sides. Paint all sides: P2.

"Phoenixville 1eps"
4"h. Letter-height. Material: V1, surface applied. Symbol artwork to be provided.

Sign Post
Custom fabricated, metal sign post:
(2) custom cut 1/2"thk. L-angles w/ 1/4"thk. reveal panel between; welded together and bolted thru sign blade. Paint all sides: P5.

Foundation/Footer
Final design by sign fabricator and based on field survey conditions and MUTCD requirements for break-away conditions. All engineered designs to be approved by client and designer prior to sign fabrication.

Color Reflectivity.
Research and verification is required for whether or not sign background has to have reflective properties (MUTCD).

These drawings express design intent only and are not for construction. Contractor is responsible for:

1. Final design and engineering of components indicated, including all aspects of mounting, erection, anchoring and attachment.
2. Structural/mechanical/functional and correspondence to owner and communications excuse to satisfy owner's requirements.
3. Coordination with contractor and other trades, including but not limited to lighting, structural, communications and landscaping schemes.
4. Verification of conditions in field prior to submission of shop drawings and samples.
5. Guarantees for approved by exit prior to fabrication and installation, including but not limited to shop drawings of all materials, colors, applications and finishes. Refer to materials and specifications of this document for more information.

Sign Blade
1 1/4"d. x 8"w. Fabricated, aluminum tube frame, welded together, wi applied 1/8"thk. aluminum skin, both sides. Paint all sides: P2.

"Phoenixville 1eps"
4"h. Letter-height. Material: V1, surface applied. Symbol artwork to be provided.

Sign Post
Custom fabricated, metal sign post:
(2) custom cut 1/2"thk. L-angles w/ 1/4"thk. reveal panel between; welded together and bolted thru sign blade. Paint all sides: P5.

Foundation/Footer
Final design by sign fabricator and based on field survey conditions and MUTCD requirements for break-away conditions. All engineered designs to be approved by client and designer prior to sign fabrication.

Color Reflectivity.
Research and verification is required for whether or not sign background has to have reflective properties (MUTCD).
These drawings express design intent only and are not for construction. Contractor is responsible for:

- Final design and engineering of components indicated, including all aspects of mounting, erection, anchoring and attachment.
- Structural and electrical function and coordination to power and communications sources to satisfy owner’s requirements.
- Coordination with contractor and other trades, including but not limited to lighting, structural, communications and landscaping schemes.
- Verification of conditions in field prior to submission of shop drawings and samples.
- Submittals for approval by exit prior to fabrication and installation, including but not limited to shop drawings, site plans, and samples of all materials, colors, applications and finishes. Refer to Section 1 Specifications of this document for more information.

**Sign Blade**
1 1/4" x 6 1/2" w. Fabricated, aluminum tube frame, welded together, w/ applied 1/8" thk. aluminum skin, both sides. Paint all sides: Sx. "Phoenixville 1 eps" 4" h. Letter-height. Material: V1, surface applied. Symbol artwork to be provided.

**Color Reflectivity**
- Research and verification is required for whether or not sign background has to have reflective properties (MUTCD).

**Streetscape Conditions**
- Variations in conditions to be verified prior to sign fabrication, including but not limited to sidewalk conditions, type of footer/foundation, utility lines below grade, MUTCD requirements, etc.

**Sign Blade**
- 1 1/4" x 6 1/2" w. Fabricated, aluminum tube frame, welded together, w/ applied 1/8" thk. aluminum skin, both sides. Paint all sides: Sx.

**"Phoenixville 1 eps"**
- 4" h. Letter-height. Material: V1, surface applied. Symbol artwork to be provided.

**Sign Blade**
- 1 1/4" x 6 1/2" w. Fabricated, aluminum tube frame, welded together, w/ applied 1/8" thk. aluminum skin, both sides. Paint all sides: Sx.

**Sign Blade**
- 1 1/4" x 6 1/2" w. Fabricated, aluminum tube frame, welded together, w/ applied 1/8" thk. aluminum skin, both sides. Paint all sides: Sx.

**Sign Blade**
- 1 1/4" x 6 1/2" w. Fabricated, aluminum tube frame, welded together, w/ applied 1/8" thk. aluminum skin, both sides. Paint all sides: Sx.
These drawings express design intent only and are not for construction. Contractor is responsible for:

- Final design and engineering of components indicated, including all aspects of mounting, erection, anchoring and attachment.
- Structural/functional electrical function and connectivity to owner and administrative agencies to satisfy owner's requirements.
- Co-ordination with contractor and other trades, including but not limited to lighting, structural, communications and landscaping schemes.
- Verification of conditions in field prior to submission of shop drawings and samples.
- Submittals for approval by exit prior to fabrication and installation, including but not limited to shop drawings and submittals of all materials, colors, applications and finishes. Refer to section 1 specifications of this document for more information.

Structure and Access.
All structural elements and electrical component access to be a design collaboration between the design and fabrication team.

Electrical Components.
All electrical component to be a design collaboration between the design and fabrication team.

Sign Blade
6"d. x 1'-4"w. Internally illuminated, pylon structure w/ white LED panel mounted inside. LED panel needs to be serviceable thru access panel. Pylon structure to have no internal framing, except where needed to bolt thru to structural support angles. Material: M1. Pylon to be built with acrylic or color resin panel and heat-fused to form solid bond at corners. If acrylic, all graphic elements to be applied first surace. If color resin, all graphic elements to be incorporated within resin process. All design / fabrication issues to be discussed w/ sign fabricator for adherence to Design Intent.

Sign Post

Foundation/Footer
Final design by sign fabricator and based on field survey conditions and MUTCD requirements for break-away conditions. All engineered designs to be approved by client and designer prior to sign fabrication.

"Phoenixville 1.epsl"
8"h. Letter-height. Material: M2, push-thru acrylic letter-forms. Symbol artwork to be provided.

Material:
- M1: Acrylic or color resin panel and heat-fused to form solid bond at corners.

GWY.1 Trailblazer Directional- Front Elevation
GWY.1 Trailblazer Directional- Side Elevation
These drawings express design intent only and are not for construction. Contractor is responsible for:

- Final design and engineering of components indicated, including all aspects of mounting, erection, anchoring and attachment.
- Structural integrity, electrical function and connections to power and communications sources to satisfy owner's requirements.
- Co-ordination with contractor and other trades, including but not limited to lighting, structural, communications and landscaping schemes.
- Verification of conditions in field prior to submission of shop drawings and samples.
- Submittals for approval by exit prior to fabrication and installation, including but not limited to shop drawings of all graphics with seal of registered engineer and samples of all materials, colors, applications and finishes. Refer to Section 1 Specifications of this document for more information.

These drawings suppress design intent only and are not for construction. Contractor is responsible for:

- Final design and engineering of components indicated, including all aspects of mounting, erection, anchoring and attachment.
- Structural integrity, electrical function and connections to power and communications sources to satisfy owner's requirements.
- Co-ordination with contractor and other trades, including but not limited to lighting, structural, communications and landscaping schemes.
- Verification of conditions in field prior to submission of shop drawings and samples.
- Submittals for approval by exit prior to fabrication and installation, including but not limited to shop drawings of all graphics with seal of registered engineer and samples of all materials, colors, applications and finishes. Refer to Section 1 Specifications of this document for more information.

Sign Blade

6" d. x 7.4" w. Internally illuminated, pylon structure w/ white LED panel mounted inside. LED panel needs to be serviceable thru access panel. Pylon structure to have no internal framing, except where needed to bolt thru to structural support angles. Material: M1. Pylon to be built with acrylic or color resin panel and heat-fused to form solid bond at corners. If acrylic, all graphic elements to be applied first surace. If color resin, all graphic elements to be incorporated within resin process. All design / fabrication issues to be discussed w/ sign fabricator for adherence to Design Intent.

Electrical Components

All electrical component to be a design collaboration between the design and fabrication team.

Structure and Access

All structural elements and electrical component access to be a design collaboration between the design and fabrication team.

Sign Post


Foundation/Footer

Final design by sign fabricator and based on field survey conditions and MUTCD requirements for break-away conditions. All engineered designs to be approved by client and designer prior to sign fabrication.

Streetscape Conditions Vary

All conditions to be verified prior to sign fabrication, including, but not limited to, sidewalk conditions for type of footer/foundation, utility lines below grade, MUTCD requirements, etc.
ABCDEFHJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz
0123456789

PHOENIXVILLE

Logo/Symbols

PHOENIXVILLE

Colors

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Color Reflectivity. Research and verification is required for whether or not sign background has to have reflective properties (MUTCD).