

AUGUST 15, 2016
MONDAY
6:30 P.M.



**CITY OF OLD TOWN
ECONOMIC DEVELOPMENT COMMITTEE
AGENDA**

City Hall-Council Chambers, 2nd Floor
265 Main Street, Old Town, Maine

1. **Call to Order** (Please silence or turn off cell phones)

2. **Wayfinding Signage Plan**

Economic Development Director will give a presentation on a Wayfinding Signage Plan.

3. **Adjournment**

FUTURE AGENDA ITEMS

Grants

JRL Landfill Gas to Energy Project

Status of Current Projects

Strategic Planning Status Report

Note: The Economic Development Committee is composed of Councilors Roach (Chair), Klitch, Nuttall and Council President Mahan.

SECTION 02453WAYFINDING SIGNAGEPART 1 - GENERAL1.1 WORK INCLUDED

- A. Labor, materials, equipment and services necessary for the fabrication, delivery and installation of wayfinding signage as described in the detail drawings.
- B. Refer to the message schedule for a complete list of sign types and quantities.
- C. Signs listed on message schedule should match those indicated on sign location plans. Contractor to notify owner of any discrepancies in sign quantities by doing take-offs before manufacturing signs.
- D. Signage is located at the following location: The City of Old Town, ME
- E. For all signs, all fasteners, support structures required for installation.

1.2 RELATED WORK

- A. General carpentry and painting requirements: all work to be done in a professional manner and to the highest trade standards.
- B. Use OSHA safety requirements if necessary for pedestrian or vehicular safety.

1.3 REGULATORY REQUIREMENTS

- A. Observe applicable codes, sign ordinances and ADA guidelines for handicapped and fire/life safety signing.
- B. Sign mounting heights, locations, and placement shall conform to the requirements of the Manual on Uniform Traffic Control Devices for Streets and Highways (MUTCD) 2009 Edition, including all subsequent revisions, US Department of Transportation, Federal Highway Administration.

1.4 REFERENCE STANDARDS

- A. Refer to current editions of the following:
 1. Manual on Uniform Traffic Control Devices for Streets and Highways (MUTCD) 2009 Edition, including all subsequent revisions, US Department of Transportation, Federal Highway Administration
 2. Standard Highway Signs, 2004 edition with 2012 Supplement, US Department of Transportation, Federal Highway Administration
 3. ASTM B221—Aluminum-alloy extruded bars, rods, wire, shapes and tubes.
 4. ASTM D822—Light and water exposure apparatus (carbon-arc type) for testing paint, varnish, lacquer and related products.
 5. ASTM E84—Surface burning characteristics of building materials.
 6. ASTM D4956-16a —Standard Specification for Retroreflective Sheeting for Traffic Control
 7. FS L-P-391—Plastic sheet, rods and tubing, rigid, cast, materials.
 8. FS L-P-387—Plastic sheet, laminated, thermosetting.

1.5 SUBMITTALS

A. Requirements:

1. Schedule shop drawings, product data and sample submittals for delivery at the same time.
2. The owner may hold shop drawings, product data and samples in cases where a partial submittal cannot be reviewed until associated items have been received.
3. Allocate not less than four weeks, plus mailing time, for processing by the owner.

B. Shop Drawings:

1. Submit four (4) sets of shop drawings as outlined below.
2. Include plans, elevations, sections and large-scale details of sign wording and lettering layout. Show anchorages and accessory items. Provide mounting templates.
3. Show fabrication and installation details, including all sign components such as extrusions, brackets, bracing, hardware, internal framing, foundations, etc.
4. Provide engineering data to confirm viability of signs and supports, including structural stability of all signs, fasteners and foundation design.
5. For all sign types, structural details must be reviewed and stamped by a Maine licensed structural engineer, ensuring structural integrity and safety.

C. Subcontractor qualifications information:

1. Submit two (2) copies of credentials for any Subcontractor selected to execute any portion of this contract, including personnel qualifications, company references and equipment being employed.

D. Samples:

1. Submit four (4) of each sample required.
2. Owner 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.
3. Samples shall be labeled on the back, designating item number, name of manufacturer, sign type and location.
4. Include the following type specimens in shop drawings:
 - a. Alphabet of each typestyle required by the contract documents; upper and lower case, with numerals, punctuation and accents.
 - b. Complete a typical sign message of each sign type to demonstrate proper interletter, interword and interline spacing:
5. Each material required for fabrication of each sign type with finishes as specified, including extrusions and hardware.
6. Color samples (minimum size 5 x 5 inches) of each color specified.
7. Samples should represent extreme variations in color and texture that might occur during fabrication.
8. Sample materials, fasteners, hardware and mounting hardware sufficient to get clear ideas of how signs are fabricated, made changeable and installed.
9. Produce 1 (one) full size, single panel vehicular community wayfinding sign prototype and 1 (one) full size, single panel trailblazer sign prototype mounted to a typical upright with a metal base plate large enough to allow the proto-

type to stand on its own. Designer shall take delivery of prototype and retain (will not be used for project).

- E. Maintenance Data:
 - 1. Submit two (2) copies of each manufacturer's recommendations for maintenance of all items.
 - 2. The instructions shall cover cleaning, repair, repainting and maintenance of signs, including data on cleaning solutions or methods of application which should be avoided.

1.6 DELIVERY

- A. For any surplus stock ordered at the request of the Owner, package separately or in like groups labeled as to contents. Include installation hardware, adhesives and installation instructions; include a reasonable array of alternate adhesives, fasteners or materials to be able to respond effectively to varying field conditions.

1.7 PROTECTION

- A. Store and protect assemblies from injury at the shop, in transit to the job and until erected in place, completed, inspected and accepted.
- B. Take special precautions to prevent stealing of materials both prior to and after installation. Be prepared to provide replacements for any material so removed from the site.

1.8 INSPECTION

- A. Materials, colors and fabricated or partially fabricated items shall be available for inspection at the factory or elsewhere, by the owner or designer during the process of manufacture and until final delivery, installation and acceptance, to determine that there is compliance with the requirements of these specifications.
- B. Approval prior to the time of final acceptance shall not preclude rejection of delivered items which do not satisfy these specifications.

1.9 REORDERING

- A. All items specified herein 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.

1.10 WARRANTY

- A. All warranties on fabricator's standard contract forms must be modified to match warranty criteria mentioned herewith. Any changes in warranty length or criteria must be negotiated prior to contract signing. Any discrepancies from fabricator's contract are superseded by this performance specification.
- B. Warrant all products (including, but not limited to, materials, hardware and finishes) against any and all defects for a minimum period of 2 years from date of installation.
- C. Correct any and all defects in material and/or workmanship which may appear during the warranty period by restoring defective work to the standard of the contract documents at no cost to the owner and to the owner's satisfaction.
- D. Vinyl die-cut letters shall be warranted for five years against delamination from substrate.

- E. Paint finishes shall be warranted for seven years against chalking and fading.
- F. Additional corrections shall include, but not be limited to, the following:
 - 1. Bubbling, crazing, chalking, rusting or other disintegration of the sign face or of the messages or of the edge finish of the sign panel.
 - 2. Corrosion developing beneath paint surfaces of the support systems (except when it is the result of obvious vandalism or other external damage to the paint surfaces).
 - 3. Corrosion of the fastenings.
 - 4. The signs not remaining true and plumb on their supports.
 - 5. Fading of the colors when matched against a sample of the original color and material.
 - 6. Discoloration of metal finishes including, but not limited to, retroreflective sheeting, overlay films, UV inkjet Printing and silk screen printing.

1.11 ALTERNATE FABRICATION

- A. The drawings show design intent only. The fabricator is responsible for fabrication and overall level of quality. Any changes in design, materials, fabrication techniques or details necessary to the successful completion of this project should be communicated to owner in a timely fashion. Further development and engineering of designer's details (for fabrication and installation) is expected and should be shown in the shop drawings.
- B. The designer recognizes that manufacturers may have shop fabrication techniques that differ from details shown. Suggested changes in fabrication that do not alter the design intent nor reduce the quality will be considered by the designer provided they are submitted in sketch form as soon as possible prior to shop drawing preparation.
- C. Any value engineering changes during fabrication shall be split evenly between the Contractor and owner.

PART 2 - PRODUCTS

2.1 QUALITY ASSURANCE

- A. Materials used for this project shall be new and not reconditioned or re-purposed.
- B. Use only personnel thoroughly skilled and experienced with the products and method for fabrication and installation of signage specified.
- C. 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.
- D. 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 owner for resolution.
- E. In the event that graphics and wordmarks furnished by the Owner are incompatible with the Contractor's production methods, the Contractor shall notify the Owner immediately upon the discovery of any incompatibilities or technical problems associated with the provided graphics and wordmarks and will work with the Owner to promptly resolve any identified issues. Any such required coordination

- shall be considered incidental to the contract and shall not be paid separately.
- F. Materials and hardware not specified, but necessary to the complete functioning of the sign, shall conform to the quality level established.

2.2 ACCEPTABLE MANUFACTURERS

- A. Fabricated signs, see potential bidders list.
- B. As listed under specific headings.
- C. Substitutions: Items of same function and performance are acceptable only if Contractor submits samples and manufacturer's data for owner's approval before ordering these materials or components.

2.3 SIGN TYPES

- A. Factory silk screen printing
1. On aluminum with high intensity vinyl retroreflective sheeting applied to it
- B. Vinyl retroreflective legends (letters or other die-cut shapes)
1. On aluminum with high intensity vinyl retroreflective sheeting applied to it
- C. Aluminum structures
1. Extrusions, as noted
 2. Aluminum sheet or plate, rolled as necessary
 3. Aluminum hardware
- D. Digital printing
1. On aluminum, such that the entire sign is retroreflective

2.4 DESIGN REQUIRMENTS

- A. Type specifications
1. Typeface: the following typefaces as manufactured by TAPCO are used (NO substitutions will be accepted; if sign fabricators software or equipment uses a different "cut" or version of type specified, fabricator is required to scan correct version or otherwise arrange to procure it):
 - a. Standard Alphabet, Series C, as published in Standard Highway Signs, 2004 edition with 2012 Supplement, US Department of Transportation, Federal Highway Administration
 - b. See design intent drawings for font and letterspacing samples.
 2. Size: all letter heights specified are based on the cap height of a capital letter.
 3. Alignment: When setting type or installing cut letters, ensure that letters are perfectly straight and even, with no characters set crooked or "popping up."
 4. Spacing:
 - a. See drawings for samples of letterspacing programs. The proper letter and word spacing is of extreme importance to the desired look of the signs.
 - b. Contractor is responsible for visual corrections to the typesetting that might be necessary. Any problems in spacing or copyfitting should be brought to the attention of the owner for solution.
- B. Visual justification:
1. Display type may align mechanically but not optically. When flushing copy message left, a visual adjustment shall be made compensating for those letter

forms that must be extended into the left hand margin to appear flush. For example, S and O must extend beyond the left margin slightly.

- C. Wordmark
 - 1. The Old Town wordmark has been developed based on a modified Times New Roman bold font for use with signage applications. Old Town wordmarks on all signs shall use the electronic file of the wordmark that will be provided by the Owner to the successful bidder.
- D. Old Town Logo
 - 1. Old Town logos on all signs shall use the electronic file that will be provided by the owner to the successful bidder.
- E. Arrow and symbol specifications:
 - 1. Symbols: symbols and pictographs shall conform to the symbol signs issued by the Department of Transportation, or as depicted in the design intent drawings.
 - 2. Arrows on all signs shall be arrow Type D as published in the most 2009 edition of the MUTCD (and all subsequent revisions and supplements) and Standard Highway Signs, 2004 edition with 2012 Supplement, US Department of Transportation, Federal Highway Administration.
 - a. Arrow size will be dimensioned by height as shown in the drawings.
 - b. The width across the arrowhead shall be equal to the height of the Destination's upper case letter.
 - 3. Pictographs on all signs shall use the digitized pictograph files which will be provided by the owner to the successful bidder.
 - a. Pictograph size will be dimensioned by height as shown in the drawings.
- F. Artwork:
 - 1. The Contractor shall be responsible for preparation of all artwork (including, but not limited to type, arrows, imagery, wordmarks, drawings, photographs, symbols) necessary beyond that provided with contract award and for any touch-up of artwork for photographic enlargement. Quality of artwork for finished signage shall be the responsibility of the Contractor. The owner's representative reserves the right to reject artwork if it fails to meet the standard of quality established.

2.5 MATERIALS

- A. Aluminum extrusions and supports
 - 1. Extrusions for aluminum mounting plates, structural frames and supports shall conform to ASTM B-221 or ASTM B 429, Alloy 6061-T6 or 6063-T6. Shapes, sizes and weights of members shall be as required for structural stability. All connections of aluminum members shall be heli-arc welded, continuous fillets, ground smooth on all exposed faces, unless specifically detailed otherwise.
 - 2. Castings for use with aluminum supports shall conform to ASTM B 26 or B 108, Alloy 356.0-T6, except that castings for parts having a non-structural application, such as pole caps or bolt covers, may be temper F. The T6 tempers specified for Alloys 6063 and 356.0 shall be obtained by the proper heat treatment of the assemblies after all welding for the base and if required, before any handhole reinforcement has been completed. No welding will be

- allowed on the shaft other than as required for the attachment of the shoe base, handhole reinforcement and bracket arm.
3. Unless otherwise specified, the exterior of all parts shall have a satin brushed or satin etched finish. The assemblies shall be free of bulges, dents, and cracks and on external surfaces, discoloration and scratches. The presence of any of these defects or any other imperfection detrimental to strength or appearance may be cause for rejection by the Resident. All assemblies shall be tire wrapped for protection during shipment, storage, and handling.
 4. All ends of shafts open to the weather shall be fitted with a cast-aluminum or formed aluminum cap secured in place with set screws.
 5. All assemblies shall be permanently marked on the edge of the base plate or flange, indicating alloy and temper of base plate/flange and shaft, as well as the diameter and wall thickness of the shaft.
 6. Z-bar stiffeners shall be attached to the back of vehicular community wayfinding and trailblazer signs when signs are not attached to round posts. Quantity, length, and position shall be determined by the Contractor.
 7. Channel extrusion braces shall be attached to the back of vehicular community wayfinding and trailblazer signs when signs are attached to round posts. Quantity, length, and position shall be determined by the Contractor.
 8. Two-sided signs shall be comprised of two separate aluminum panels attached to a shared post.
 9. Signfix (or equivalent) aluminum channel extrusion (length and position of extrusions to be determined by Contractor), universal channel clamp (standard stainless steel mounting bracket compatible with support extrusion). The contractor shall determine the appropriate number of channel clamps.
 10. Band-It (or equivalent) stainless steel band shall attach universal channel clamp to round posts. Bands shall be a minimum of 0.75 inch x 0.02 inch. The Contractor shall determine the appropriate band size.
 11. Attachment and support specifications are recommendations to convey design intent. The Contractor is responsible for fabrication and overall level of quality. The Contractor shall submit construction details for the Contractor's proposed method of attachment.
- B. Round Aluminum Sign Posts
1. Where existing posts are not utilized, round aluminum sign posts shall be used.
 - a. 4.5" OD tube, 1/2" wall thickness shall be used for vehicular community wayfinding sign posts. Tube shall conform to ASTM B221 - Alloy 6061-T6. Black painted finish.
 - b. 3.5" SCH 40 pipe (4" OD), shall be used for trailblazer sign posts. Pipe shall conform to ASTM B429 - Alloy 6061-T6. Black painted finish.
 - c. Break-away post bases must be used where required by MaineDOT and the MUTCD. See below for requirements.
- C. Aluminum sheet and plate:
1. Type 5052-H-32 alloy aluminum, 1/8 inch thickness. Aluminum panels shall be treated to remove grease and oils prior to application of vinyl. All edges shall be free of nicks, cuts, burrs, or other machine markings.

2. Signs shall preferably be of one piece. Where signs are multiple pieces, the Contractor shall specify the number and sizes of the pieces.
- D. Hangers, brackets and accessories: shall be of the type and size indicated. Where such items are not specifically called for, provide hangers, brackets and accessories as required for the proper execution of the work, as approved by the owner.
- E. Paint for aluminum posts:
1. Matthews Paint, or approved equal.
 - a. Primer: MAP-LVU 100-2 mils DFT minimum
 - b. Topcoats: MAP-LV-2 coats, 2 mils DFT each coat minimum
 - c. Total paint thickness minimum 6 mils DFT
 2. Spray or brush in an even motion, feathering the edge of the perimeter.
 3. Protect message panels, adjacent areas and ground beneath signs from overspray.
 4. Coating should not yellow, peel or flake. Coating should be guaranteed a minimum of seven years. Aluminum should have consistency of color and finish throughout the project.
 5. In lieu of painting the posts, the Contractor may propose to use posts obtained with a black finish. The Contractor shall clearly specify the finishing system (type and method of paint and clear coat, or other) used on any pre-painted or pre-coated posts.
- F. Pressure sensitive legends and retroreflective sheeting:
1. Use "Scotchcal" brand film manufactured by 3M for pressure sensitive legends. Thickness: .003 inch minimum, .006 inch maximum. Material shall consist of a tough, flexible, pigmented, vinyl film and shall be processed with compatible screen printing inks and clear coatings, if applicable, as recommended by the film manufacturer. The film shall be pre-coated with pressure-sensitive adhesive. The adhesive shall be protected by a treated paper liner which shall be easily removable without soaking in water or other solvents.
 2. Use 3M High Intensity Grade or Diamond Grade DG³ Prismatic vinyl retroreflective sheeting. Material shall consist of non-metalized microprismatic lens or full cube reflective sheeting. Material shall be capable to being processed with compatible screen printing inks, UV-cured inkjet inks, and clear coatings or 1170 clear overlaminates, as recommended by the sheeting manufacturer. The sheeting shall be pre-coated by a treated paper liner that shall be easily removable without soaking in water or other solvents.
 3. Material shall be guaranteed against delamination for a period of 5 years.
- G. Silk screen ink: formulate epoxy silkscreen inks specifically for surfaces on which they will be used. Add catalytic or bonding agents as necessary to maximize adherence and vandal resistance.
- H. UV InkJet Ink: Shall be capable of printing custom colors onto 3M retroreflective sheeting using 3M Piezo Inkjet Series 8900 UV inks.
- I. Retroreflective sheeting for aluminum:
1. All messages, borders, legends, and backgrounds of signs, as well as community identification enhancement markers shall be retroreflective.

2. All signage graphics and text shall be silk screen printed onto white high intensity vinyl retroreflective sheeting.
 3. The community identification enhancement marker may be a separate graphic. The graphic shall be silk screen printed onto white high intensity vinyl retroreflective sheeting.
 4. The minimum luminance ratio of legend to background shall be 3:1.
 5. In lieu of silk screen printing, the Contractor may propose to use digital printing, application of standard colored vinyl sheeting/transparent overlay film, or a combination of methods. The Contractor shall clearly specify the method(s) being proposed for each sign type.
- J. Additional sign panel treatments:
1. A graffiti overlay film shall be applied to all signs.
 2. A UV protective coating shall be applied to all signs.
- K. Concrete: Cast-in-place concrete shall meet the following requirements:
1. All concrete footers are to be poured in place.
 2. All concrete footers are to be poured from thoroughly mixed and agitated concrete in order prevent unreasonable voids in the finished casting.
 3. Concrete to meet specified "PSI Test" for strength: 3,500 psi minimum.
 4. Concrete to meet specified "Slump test" before pouring footing.
 5. Concrete footings to have a diameter of 10".
 6. All footings to extend past the frost line to a depth of 6 feet.
 7. Any footers or posts for signs will be placed in wet concrete and allowed to fully cure in place before any signage is attached or mounted to it in any way.
 8. Finish: All exposed faces of concrete shall receive a finish to match existing, adjacent surfaces.
- L. Adhesive tape: closed-cell foam type with adhesive surfaces on both faces. Thicknesses and widths of tapes shall be as required to safely secure signs to various wall finishes, but in no case shall be less than 1/16 inch thick and 1/2 inch wide. Adhesive tape shall be equal to Norton Sealant Tape No. 1001 Series.
- M. Liquid adhesive: Silicone Silastic 732 RTV adhesive/sealant as manufactured by Dow Corning.

2.6 FABRICATION

- A. Report any discrepancies between drawings, specifications and owner requirements and request direction from owner before proceeding.
- B. Verify measurements in field as required for work fabricated to fit job conditions. Before starting work, examine adjoining work on which work of this section is in any way dependent for perfect workmanship and fit.
- C. Make work in ample time not to delay job progress and deliver to job at such time as required for proper coordination. Fabricate work true to line and detail with clean, sharply defined profiles. Finish surfaces smooth unless otherwise specified.
- D. Do cutting, punching, drilling and tapping required for attachment or other work coming in contact with signage work where indicated.
- E. Changeability: Fabricate signs in such a manner that each of the major mounting components may be removed and replaced with similar components by maintenance personnel, but not by unauthorized personnel.
- F. Construction: Fabricate all joints, corners, miters, etc., with work accurately

machined, filed and fitted, rigidly framed together at joints and contact points. Carefully match all work to provide a perfect continuity of lines and design, with metal in contact having hairline joints. Make joints of such character and assembly to be strong and as rigid as adjoining sections. Make exposed joints where joint is least conspicuous. Corners shall be square as indicated. All edges shall be finished and free of saw marks. Allow for expansion and contraction of materials from temperature changes, especially when two materials with different coefficients of expansion are used together. Detail signs to minimize deflection from snow, ice, water or their own weight.

- G. Engineering: The system shall be engineered to eliminate buckling of any members, failure at any points, distortions or other damage. The system shall be engineered to be rigid with minimum deflection and rotation under stress and shall be able to withstand movement, shear and torsional loads. Exposed areas of signs shall not oilcan. Signs shall be designed as structurally self-supporting units. The suspension systems and substructure shall be designed by the sign manufacturer to perform in accordance with the contract documents.
- H. Connections and accessories: Weights of connections and accessories shall be adequate to sustain and withstand stresses and strains to which they will be normally subjected.
- I. Sign panels – general:
 - 1. Surface finish: Provide surface finishes that are free from lines, mottling, ridges, variations in color, orange peel, bubbles, pinholes, mottling, crazing, grit and coarse particles. This applies to all methods of fabrication and finishing. Use clear coatings for durability, surface protection, appearance and maintenance.
 - 2. Material: Sign panel material is stated elsewhere in this section and/or on drawings.
 - 3. Opacity: All signs shall have opaque background and opaque graphics. Colors are to be clear and match references exactly. Washed out or weak colors will not be accepted.
- J. Anchors and fastenings:
 - 1. Mechanical
 - a. Provide anchors and fasteners required to secure work in place.
 - b. Surface finish: do not expose fastenings on surface of sign panels unless specifically noted otherwise. Do not deform, distort or discolor sign face surfaces by attachment of concealed fastenings.
 - c. Corrosion resistance: all fastenings shall be non-corrosive and resistant to oxidation or other corrosive action, of the same composition completely through their cross sections, particularly when used below grade. Use highest quality stainless steel hardware and fasteners.
 - d. Anchors, inserts or fasteners shall be compatible with sign materials, shall not result in galvanic action or chemical interaction of adhesives and shall have demonstrable and sufficient strength for intended use.
 - e. Steel anchors and fastenings for exterior use shall be hot-dipped galvanized in accordance with AASHTO M 232 or AASHTO M 298 Class 50, Type 1.

- f. Stability: Fabricate and install signs with fastenings to withstand all actions imposed by use; 35 psf wind perpendicular to surfaces, water, ice, snow loads and similar forces. Anchor bolts in concrete shall be cast in place.
 - g. Break-away bases: Posts located within the clear zone must use a break-away base. Breakaway devices shall be capable of supporting all design loads and shall conform in all respects to the requirements of the AASHTO "Standard Specifications for Structural Supports for Highway Signs, Luminaires, and Traffic Signals" and all applicable commentary. Breakaway Support Certification of both breakaway and structural adequacy shall be provided by the Manufacturer. Design calculations or test data of production samples to support certification shall be provided. Breakaway support components shall provide the same or greater structural strength as the support post or pole utilizing the breakaway device.
 - h. Manufacturer shall furnish instructions for the setting of anchors and bearing plates. Manufacturer shall ascertain that the items are properly set during the process of the work.
 - i. Color: Secure work with fastenings of same color and finish as the components they secure where they are exposed to view, unless noted otherwise.
 - j. Security: All exposed fasteners must be vandal resistant and have vandal-proof "spanner" type slots to be removed only with a special driver head.
- K. Messages:
- 1. Layout: General layouts for guidance only are shown on the drawings. Correct line breaks are indicated in the "Messaging" column of the schedule and should be followed exactly. Any problems in message layout shall be brought to the attention of the Owner for solution.
 - 2. Fabrication: Execute all signs such that letter forms are true and clean. Letter forms with rounded corners, or chipped, nicked, cut or ragged edges, will not be accepted. This applies to all methods of fabrication and copy application.
 - 3. Copy: Message copy on detail drawings is for layout purposes only. Actual copy is listed in the "Messaging" column of the schedule. Certain copy may be provided later by the owner.
 - 4. Capitalization: Directions for upper and lower case are found in the "Messaging" column of the schedule and must be followed exactly.
 - 5. Single or double faces: All signs that are double sided will be noted as such in the drawings and message schedule. For double sided signs, the message will be the same on both sides, however arrows shall be correctly oriented to point toward destination as indicated on the Wayfinding Signage Location Plan, and layout of text and pictographs shall be adjusted accordingly.
- L. Surface-applied messages:
- 1. Color and color fastness:
 - a. Exposed surfaces and finishes shall show no discernible color change or chalking when exposed for 1,000 hours in an Atlas Twin Arc

- Weathermaster Model HCDL-X, or equivalent, when tested in accordance with ASTM D822.
2. Interletter spacing: Follow examples in drawings. Show sample interletter and interword spacing in sample submissions as specified.
 3. Layout: Positions for all messages, symbols, arrows, lines, etc., for all signs are clearly indicated on the drawings and shall be complied with.
 4. Artwork: Contractor shall be responsible for all final reproduction artwork for all messages, symbols, arrows and wordmarks, unless otherwise specified.
 5. Fabrication:
 - a. Screened messages: Execute all silkscreen printing in such a manner that all edges and corners of finished letter forms are true and clean. Letterforms, color areas or lines with rounded corners, edge buildup or bleeding, sawtoothing, etc., will not be accepted. Execute all silkscreening from photo-screens prepared from typesetter's reproduction of the copy specified. Typesetter's reproductions shall be no smaller than 75% of the actual size specified. All above work is included in this contract. Hand cut screens will not be acceptable.
 - b. Cut vinyl messages: Cut, prespaced, prealigned messages (numbers, words, phrases and arrows) from 3.0 mil flexible film coated with continuous adhesive pressure sensitive backing to meet characteristics specified for surface-applied messages. Execute cutting in such a manner that all edges and corners of finished letter forms are true and clean. Letter forms with round positive or negative corners, nicked, cut or ragged edges, etc., will not be acceptable.

PART 3 - EXECUTION

3.1 INSPECTION

- A. Examine the substrates and conditions under which the signs are to be installed and notify the owner in writing of conditions detrimental to the proper and timely completion of the work. Do not proceed with the work until unsatisfactory conditions have been corrected.

3.2 INSTALLATION

- A. Install sign units and components with concealed fasteners, unless otherwise shown. Refer to detail drawings for general method. Verify each surface in field to determine specific, appropriate hardware. Drawings in this package may not indicate any below-ground or in-wall structural tie-ins or connections that may be necessary to assure stable and secure installation of signs. Sign fabricator is responsible for determining where such connections are necessary and for coordinating with related trades to make them.
- B. Locations: The locations of the proposed wayfinding signs shown on the drawings are approximate. The Contractor shall be responsible for identifying exact sign locations based on site conditions. Any discrepancies or apparent deviations from drawing locations because of different site conditions shall be brought to the attention of the owner for solution. The owner must be present for field placement of signs and shall approve final sign locations. Signage shall be located in

conformance with MUTCD Section 2A.18 Mounting Height, Section 2A.19 Lateral Offset, and Section 2A.20 Orientation, as well as any other relevant sections of MUTCD. It shall be the responsibility of the Contractor to determine the location of underground structures and utilities by the use of test pit excavation prior to excavation operations. Test pits shall be of the size, depth and location as approved by the Engineer. Each pit shall be tamp-back-filled. Test pit excavation will be measured on the basis of the volume of material actually removed from within the limits specified. Tamped backfill will not be measured but shall be included in the price bid for test pit excavation. Price provided shall include all excavation, tamped backfill, labor, tools, equipment and incidentals necessary to complete the installation of each sign.

- C. For ground-mounted signs, provide whatever replacement concrete, pavers, bricks, etc. are necessary to match adjacent surfaces exactly. Seams should be parallel or perpendicular to sign face and be symmetrical around post(s).
- D. Note that strong environmental conditions such as weather and vandalism may be routine problems. Signs must be securely mounted. Contractor is responsible for suggesting alternative fabrication or installation methods if required to prevent theft or vandalism.
- E. Install signs to be level, plumb and at the proper height. Cooperate with other trades for installation of sign units.
- F. Clean and polish, remove excess adhesive.

3.3 CLEANUP

- A. Periodically and upon completion of the installation, remove all waste, dirt, wrappings and excess materials, tools and equipment, and carefully and thoroughly clean all surfaces to the satisfaction of the owner.

3.4 PROPERTY DAMAGE

- A. Protect all adjacent surfaces from damage and pay the cost of repairing any damage to the property caused by delivery or installation of materials. In all cases, match existing surfaces.

END OF SECTION

Standard Alphabet, Series C

ABCDEFGHIJKLMNOPQRSTUVWXYZ
 abcdefghijklmnopqrstuvwxyz
 1234567890

Kerning set to Optical
 Tracking set to 0

The font for destination messaging on all signs shall be Standard Alphabet, Series C, as described in the 2009 edition of the MUTCD and "Standard Highway Signs", 2004 edition with 2012 Supplement, with a capital letter height of 4". The letter height of lower case letters is determined by the capital letter height. Per MUTCD Section 2D.50, lettering for destinations on the Community Wayfinding signs shall be a combination of lower-case letters with initial upper-case letters. Font substitutions will not be accepted.

Copy layout, interline spacing, edge spacing, etc. are described in more detail on the sample elevation and layout drawings.

Kerning shown may vary from exact kerning used to create sign drawings.

Typeface



The Old Town wordmark was developed for use in the wayfinding signage program. An electronic file of the wordmark will be provided by the Owner.

Wordmark

DRAFT August 2, 2016

Proposed Wayfinding Signage Table
 City of Old Town Community Wayfinding
 August, 2016

Legend

- Type 0 Arrow - Straight
- Type 1 Arrow - Left
- Type 2 Arrow - Right
- 45° Type 0 Arrow - Rotated 45°
- P - Parking Symbol

NOTE: Although MUTCD states that when a group of destinations on a single sign are all in the same direction, an arrow shall be placed next to each individual destination. This table uses a single arrow for the group. Also, although MUTCD states that the closer destination being straight ahead should be at the top, and below it, the closest destination to the left and to the right, in that order, in some cases order of destinations in this table reflects the presence of the destination.

Sign ID	Route	Direction	Speed	Sub-Location	Messaging	Turning Center	Post Type	Sign Size
VCW-1	Southgate Ave	East	25	Town (Urban Compact)	Suburban District (2 lines) Downstate Beverly Beverly Station (2 lines) Downstate Beverly Station (2 lines)	Beverly Rd/10th St	Round	48" x 72"
VCW-2	Southgate Ave	East	25	Town (Urban Compact)	Suburban District (2 lines) Downstate Beverly Station (2 lines)	College Ave	Round	48" x 72"
VCW-3	Southgate Ave	East	25	Town (Urban Compact)	High School Middle School (45°) Downstate Beverly Station (2 lines)	Center St	Round	48" x 72"
VCW-4	Center St	East	25	Town (Urban Compact)	City Services Beverly Station (2 lines) Downstate Beverly Station (2 lines)	Main St	Round	48" x 72"
VCW-5	Main St/10th St	North	25	Town (Urban Compact)	City Services Downstate Beverly Station (2 lines) Airport	Center St	Round	48" x 72"
VCW-6	Center St/10th St	West	25	Town (Urban Compact)	Downstate City Services Beverly Station (2 lines) Airport	Main St	Round	48" x 72"
VCW-7	Main St	West	25	Town (Urban Compact)	Suburban District (2 lines) Airport City Services	Down St	Round	48" x 72"
VCW-8	Southgate Ave	East	25	Town (Urban Compact)	Suburban District (2 lines) Beverly Station (2 lines) Downstate Beverly Station (2 lines)	Main St	Round	48" x 72"
VCW-9	Main St	East	25	Town (Urban Compact)	Suburban District (2 lines) City Services Downstate Beverly Station (2 lines)	Down St	Round	48" x 72"
VCW-10	Edman Falls Ave/10th St	East	25	DIST	Suburban District (2 lines) Downstate Beverly Station (2 lines)	Edman Rd	Round	48" x 72"
VCW-11	Edman Falls Ave/10th St	East	25	DIST	Suburban District (2 lines) Downstate Beverly Station (2 lines)	Beverly Rd/10th St	Round	48" x 72"
VCW-12	Main St/10th St	North	25	Town (Urban Compact)	City Services Downstate Beverly Station (2 lines) Airport	N/A	Round	48" x 72"

Typical Signs

Sign ID	Route	Direction	Speed	Sub-Location	Messaging	Turning Center	Post Type	Sign Size
1.1	Southgate Ave	East	25	Town (Urban Compact)	Franklin (Double Sided)	N/A	48" Round	32" x 36"
1.2	Center St	East	25	Town (Urban Compact)	Middle School (Double Sided)	Center St	48" Round	32" x 36"
1.3	Southgate Ave	South	25	Town (Urban Compact)	Middle School	10th St	48" Round	32" x 36"
1.4	Southgate Ave	East	25	Town (Urban Compact)	High School (Double Sided)	Main Entrance	48" Round	32" x 36"
1.5	Edman Falls Ave/10th St	East	25	Town (Urban Compact)	Blue Haven (Double Sided)	H. 4th St	48" Round	32" x 36"

Messaging and locations for all signs shall be as specified in the table above. Arrows are indicated in the Message schedule by the following notation: ^, <, >, and > (45°), and are shown in the correct location relative to the text they accompany. Destination order shall be as given in the above table.

Message Schedule

THIS DRAWING REPRESENTS DESIGN INTENT
 ONLY FINAL CONSTRUCTION DRAWINGS ARE
 THE RESPONSIBILITY OF THE FABRICATOR

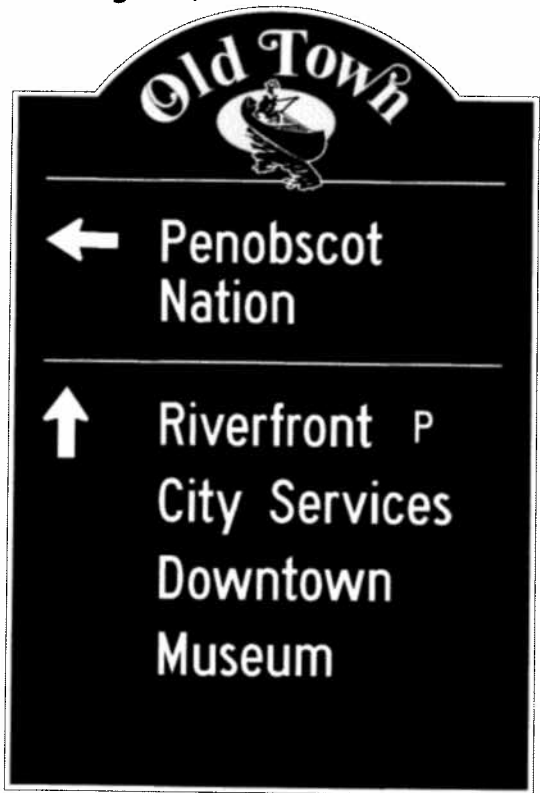
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CITY OF OLD TOWN
 WAYFINDING SIGNAGE
 OLD TOWN, MAINE
 TYPE FACES, WORDMARK
 AND MESSAGE SCHEDULE

DRAWING
 C-2

DATE PLOTTED BY: JAMES COLLETT 8/22/2016 12:58 PM
C:\WORK\OLD TOWN\1316-INTRODUCING SIGNAGE\OLD TOWN SIGNAGE\PLANNING\SCALE 1:14.48 | 8/22/2016 12:58 PM | JAMES COLLETT

DRAFT August 2, 2016



Front

**Vehicular Community Wayfinding (VCW)
Trailblazer (T) Signs - Layout Drawing**

Scale: 3" = 1'-0"



Front - With Pictographs



Front - No Pictographs

Trailblazer (T) Signs - Layout Drawings

Scale: 3" = 1'-0"

THIS DRAWING REPRESENTS DESIGN INTENT ONLY. FINAL CONSTRUCTION DRAWINGS ARE THE RESPONSIBILITY OF THE FABRICATOR.

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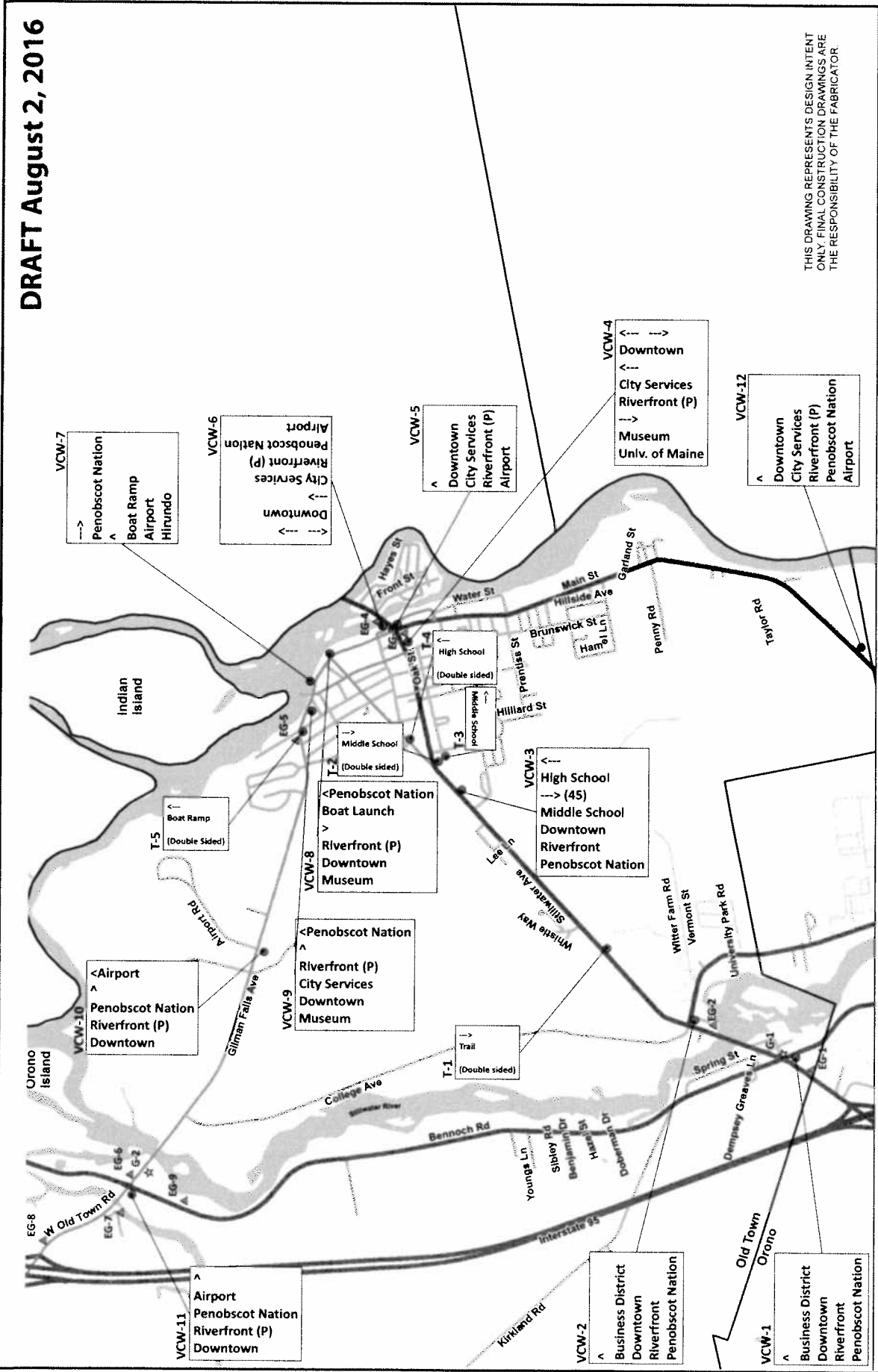
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CITY OF OLD TOWN
WAYFINDING SIGNAGE
OLD TOWN, MAINE

VCW AND T SIGNS - LAYOUT DRAWINGS

DRAWING
C-4

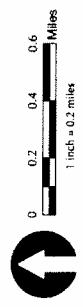
DRAFT August 2, 2016



THIS DRAWING REPRESENTS DESIGN INTENT
 ONLY. FINAL CONSTRUCTION DRAWINGS ARE
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- Vehicular Community Wayfinding Sign
 48" X 72"
- Trailbase Sign
 32" X 36"
- Entering Guide Sign
- Entering Gateway Sign

Wayfinding Signage Location Plan
 City of Old Town
 August, 2016





AUGUST 15, 2016

MONDAY

Immediately following the Economic Development Comm. Mtg.

AGENDA
SPECIAL COUNCIL MEETING
City Council Chambers, 2nd Floor
265 Main Street-Old Town, Maine

- I. CALL TO ORDER (Please turn off or silence cell phones)**
- II. FLAG SALUTE**
- III. ROLL CALL**
- IV. Approval of the Minutes.**
- V. PETITIONS, COMMUNICATIONS AND CITIZENS' REQUESTS**
- VI. REPORTS**
 - A. Council President**
 - B. Standing Committees (Finance, Public, Administrative & Economic Services; Landfill, Legislative, Sewer, Airport & Housing sub-committees)**
 - C. City Councilors**
 - D. City Attorney**
 - E. Special Committees**
 - F. City Manager**
- VII. CONSENT AGENDA**
- VIII. PUBLIC HEARINGS AND SECOND READING OF ORDINANCES**
- IX. OLD BUSINESS**

X. NEW BUSINESS

1. The City Council will consider approval on a renewal application for a Malt Liquor License for Krisanthi Shanos, d/b/a Angelo's Pizzeria, 484 Stillwater Avenue.

Suggested motion: Resolved, the Old Town City Council hereby approves a renewal application for a Malt Liquor License for Krisanthi Shanos, d/b/a Angelo's Pizzeria, 484 Stillwater Avenue.

(Councilor Nuttall)

2. The City Council will consider transferring funds to pave a section of Stillwater Avenue from the Bennoch Road to the Stillwater Bridge. The cost of the project is \$28,000 with the MDOT paying a portion of the cost.

Suggested motion: Resolved, the Old Town City Council approves paving a section of Stillwater Avenue from the Bennoch Road to the Stillwater Bridge at an amount not to exceed \$10,000.00. The City Council further authorizes the Finance Director to transfer the monies from Fund Balance Account #03800.

(Councilor May)

2. The City Council will consider going into Executive Session for the purpose of discussing possible litigation with the City Attorney.

Suggested motion: Resolved, the Old Town City Council hereby approves going into Executive Session pursuant to Title 1, M.R.S.A., §405(6)(E) for the purpose of discussing possible litigation with the City Attorney.

(Councilor Nuttall)

XI. ADJOURNMENT