

**ADDENDUM NO. ONE (1)**  
**TOWN OF BRASELTON, GEORGIA**  
**SILK TREE POINTE WOODEN BRIDGE IMPROVEMENTS**  
**ISSUED JULY 8, 2021**

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RE: SILK TREE POINTE WOODEN BRIDGE IMPROVEMENTS  
EMI PROJECT No. 15-028  
Town of Braselton, Georgia

FROM: ENGINEERING MANAGEMENT, INC.  
303 SWANSON DRIVE  
LAWRENCEVILLE, GA 30043  
Don Baker, P.E.  
770-962-1387

TO: PROSPECTIVE BIDDERS

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**This Addendum forms a part of the Contract Documents and Drawings and modifies the original bidding documents dated June 2021.**

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The following items of the Contract Documents are modified as part of this Addendum:

**Specifications**

➤ *Section 00300 Bid Schedule*

1. Page 3, of the bid schedule, has been modified to include Mandatory Alternate Bids for using IPE Hardwood in lieu of premium composite pedestrian decking, premium composite rail cap, and Southern Yellow Pine vehicular decking. The alternate bids for each Mandatory Bid Item shall include all work outlined in the Measurement and Payment for that Bid Item but utilizing the IPE Hardwood in lieu of the listed item in the Measurement and Payment description.

➤ *New Specification Added*

1. Specification 061500, IPE Hardwood Decking, has been added to the Contract Documents and are included in this addendum.

END OF ADDENDUM NO. 1

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**BID SCHEDULE  
SILK TREE POINTE WOODEN BRIDGE IMPROVEMENTS  
for the  
TOWN OF BRASELTON, GEORGIA**

The Contractor is directed to Section 01025 "Measurement and Payment" for the methods and limits for payments to the Contractor for the pay items listed below.

<u>Item No.</u>	<u>Description</u>	<u>Unit</u>	<u>Est. No. of Units</u>	<u>Unit Price Bid</u>	<u>Total for Item</u>
3.09	Bridge Timber Protective Systems	LS	1	_____ Dollars and Cents _____ (Unit Price in Words)	_____

<p>Total Amount Base Bid: \$ _____</p> <p>(Price in Words) _____</p> <p>_____</p> <p>NOTE: Amounts shall be shown in words and figures; the amount written in words shall take precedence.</p>
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**MANDATORY ALTERNATE BID**

<u>Item No.</u>	<u>Description</u>	<u>Unit</u>	<u>Est. No. of Units</u>	<u>Unit Price Bid</u>	<u>Total for Item</u>
3.02A	Same bid item as 3.02 except substitute 2x8 IPE "Anti-Slip" Hardwood Decking for 2x8 SYP Decking	LS	1	_____ Dollars and Cents _____ (Unit Price in Words)	_____
3.06A	Same bid item as 3.06 except substitute 2x8 IPE Hardwood Decking for Premium Composite 2x8 Decking	LS	1	_____ Dollars and Cents _____ (Unit Price in Words)	_____
3.07A	Same bid item as 3.07 except substitute 2x6 IPE Hardwood for Premium Composite 2x6 Rail Cap	LS	1	_____ Dollars and Cents _____ (Unit Price in Words)	_____

## SECTION 061500

### IPE HARDWOOD DECKING

#### PART 1 GENERAL

##### 1.1 SECTION INCLUDES

- A. Hardwood Decking and Dimension Lumber
- B. Decking Accessories.

##### 1.2 RELATED SECTIONS

Not Used

##### 1.3 REFERENCES

- A. FSC - Forest Stewardship Council Certification
- B. NFPA - Fire Safety Code
- C. UBC - 1979 Edition, Part VIII, Fire Resistive Standard for Fire Protection.

##### 1.4 DESIGN / PERFORMANCE REQUIREMENTS

- A. Ipe Decking:
  - 1. General Characteristics:
    - a. Appearance: An extremely dense, tight grained wood. Generally, a deep rich brown with some pieces displaying red and amber hues.
    - b. Hardness: 3600 lbs
    - c. Bending Strength: 22,560 psi
    - d. Decay Resistance: Very durable and naturally resistant to decay and insects. Offers up to 75 plus year lifespan.
    - e. Weight: Basic specific gravity (oven dry weight/green volume) 0.85 to 0.97, air dry density 66 to 75 pounds per cubic foot.
    - f. Moisture Content of Decking:
      - 1) Ipe Decking is specially dried for use on exterior projects. DO NOT use kiln dried interior lumber in exterior projects as it will expand.
      - 2) Ipe lumber for indoor applications is kiln dried specifically for interior use. Ipe Decking dried for exterior use will shrink inside.
    - g. Janka side hardness: 3,060 lbs for green material and 3,680 lbs at 12 percent moisture content.
  - 2. Slip Resistance: ASTM C 1028 tested; Exceeds the Americans with Disabilities Act requirements for Static Coefficient of friction in a wet

- environment.
3. Fire Rating
    - a. Decking Flame Spread (10) Minutes - 0
    - b. Decking Flame Spread (30) Minutes - 5
    - c. Decking Smoke Developed Values (10) minutes - 3
    - d. Decking Fuel Contribution (10) Minutes - 0
    - e. NFPA Class - A
  4. UBC Class – 1

## 1.5 SUBMITTALS

- A. Product Data: Manufacturer's data sheets on each product to be used, including:
  1. Preparation instructions and recommendations.
  2. Storage and handling requirements and recommendations.
  3. Installation methods.
- B. Selection Samples: For each finish product specified, two complete sets of color chips representing manufacturer's full range of available colors and patterns.
- C. Verification Samples: For each finish product specified, two samples, minimum size 6 inches (150 mm) long, representing actual product, and color.
- D. Manufacturer's Certificates: Certify products meet or exceed specified requirements.
- E. Closeout Submittals: Provide manufacturer's maintenance instructions that include recommendations for periodic cleaning and maintenance of all components.

## 1.6 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Company specializing in manufacturing products specified in this section with minimum 5 years documented experience.
- B. Installer Qualifications: Company specializing in performing Work of this section with minimum 2 years documented experience.
- C. Design decking under direct supervision of Professional Engineer experienced in design of this Work and licensed at Project location.
- D. Mock-Up: Provide a mock-up for evaluation of surface preparation techniques and application workmanship.
  1. Finish areas designated by Architect.
  2. Do not proceed with remaining work until workmanship is approved by

Architect.

3. Refinish mock-up area as required to produce acceptable work.
4. Accepted mock-up shall be comparison standard for remaining Work

#### 1.7 DELIVERY, STORAGE, AND HANDLING

- A. Deliver and store products in manufacturer's unopened packaging bearing the brand name and manufacturer's identification until ready for installation.
- B. Protect from soiling, damage and construction operations. Allow for proper on site acclimation of wood materials.

#### 1.8 SEQUENCING

- A. Ensure that products of this section are supplied to affected trades in time to prevent interruption of construction progress.

#### 1.9 PROJECT CONDITIONS

- A. Maintain environmental conditions (temperature, humidity, and ventilation) within limits recommended by manufacturer for optimum results. Do not install products under environmental conditions outside manufacturer's absolute limits.

### PART 2 PRODUCTS

#### 2.1 MANUFACTURERS

- A. Acceptable Manufacturer: Advantage Trim & Lumber Co. , which is located at: 601 Ohio St.; Buffalo, NY 14203; Toll Free Tel: 877-232-3915 ; Tel: 716-827-3915 ; Fax: 716-827-3916; Email: [request info \(jon@advantagelumber.com\)](mailto:jon@advantagelumber.com); Web: <http://www.advantagelumber.com> or approved equal.

#### 2.2 HARDWOOD DECKING

- A. Ipe Decking and Dimension Lumber:
  1. Standard Ipe Decking:
    - a. 1 x 4 Standard, Net Finished Dimensions 3/4 inch by 3-1/2 inch.
    - b. 1 x 6 Standard, Net Finished Dimensions 3/4 inch by 5-1/2 inch.
    - c. 5/4 x 4 Standard, Net Finished Dimensions 1 inch by 3-1/2 inch.
    - d. 5/4 x 6 Standard, Net Finished Dimensions 1 inch by 5-1/2 inch.
  2. Dimensional Ipe Lumber:
    - a. 5/4 x 8, Net Finished Dimensions 1 inch by 7-1/4 inches
    - b. 5/4 x 10, Net Finished Dimensions 1 inch by 9-1/4 inches
    - c. 5/4 x 12, Net Finished Dimensions 1 inch by 11-1/4 inches
    - d. 2 x 2, 3'- 4' only, Net Finished Dimensions 1-1/2 inches by 1-1/2 inches
    - e. 2 x 2, 5'- 14' Net Finished Dimensions 1-1/2 inches by 1-1/2

inches

- f. 2 x 4, Net Finished Dimensions 1-1/2 inches by 3-1/2 inches
- g. 2 x 6, Net Finished Dimensions 1-1/2 inches by 5-1/2 inches
- h. 2 x 8, Net Finished Dimensions 1-1/2 inches by 7-1/4 inches
- i. 2 x 10, Net Finished Dimensions 1-1/2 inches by 9-1/4 inches
- j. 2 x 12, Net Finished Dimensions 1 -1/2 inches by 11-1/4 inches
- k. 3 x 6, Net Finished Dimensions 2-1/2 inches by 5-1/2 inches
- l. 3 x 8, Net Finished Dimensions 2-1/2 inches by 7-1/4 inches
- m. 4 x 4, Net Finished Dimensions 3 -1/2 inches by 3-1/2 inches
- n. 6 x 6, Net Finished Dimensions 5-1/2 inches by 5-1/2 inches

## 2.3 DECKING ACCESSORIES

- A. DeckWise Decking Screws: Made from 305 stainless steel. Suitable for marine environments, snowy mountain climates, humid tropical regions, or dry deserts. DeckWise screws feature:
  - 1. T-15 Star Drive Tips to improve stripping resistance during installation.
  - 2. Auger Tips for smoother installation on hard and dense wood like Ipe.
  - 3. Sizes:
    - a. #8 x 2 inch, 305 Stainless T15 Star Drive Screws
    - b. #8 x 3-1/8 inch, 305 Stainless T15 Star Drive Screws
- B. Anti-Slip Option: All decking profiles can be upgraded with an anti-slip surface at an upcharge of approximately \$1.50 per linear foot.

## PART 3 EXECUTION

### 3.1 EXAMINATION

- A. Do not begin installation until substrates have been properly prepared.
- B. Verify support framing is ready to receive decking.
- C. If substrate preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.

### 3.2 PREPARATION

- A. Clean surfaces thoroughly prior to installation.
- B. Coordinate placement of bearing or support items.
- C. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.

### 3.3 INSTALLATION

- A. Install in accordance with manufacturer's instructions.
- B. Install decking perpendicular to framing members, with ends staggered over

firm bearing. On sloped surfaces, lay decking with tongue upward.

- C. Allow expansion space at edges and ends.
- D. Scribe and cope as required for accurate fit to adjacent construction.

#### 3.4 CLEANING AND PROTECTION

- A. Protect installed products until completion of project.
- B. Protect from damage during construction operations. Promptly repair any damaged surfaces. Remove and replace work which cannot be satisfactorily repaired.
- C. Touch-up, repair or replace damaged products before Substantial Completion.

END OF SECTION