

Date: August 14, 2017

Project: FedEx Hanger Floor Slab Joint and
Crack Repair

Solicitation No.: 18015

Addendum No. Two

TO ALL PLANHOLDERS:

The enclosed addendum amends the bid documents for the above referenced Project.

Acknowledgment of this addendum is required on the Proposal Form. Failure to do so may subject the bidder to disqualification.

Sincerely,

Rich Wooten, CDT, CPSM
Contracting Officer

ADDENDUM TO CONTRACT DOCUMENTS	Page Number 1	No. of Pages Two Pages (Four page attachment)
Addendum No. TWO	Date Addendum Issued: August 14, 2017	
Issuing Office Rich Wooten, CDT, CPSM Alaska Industrial Development Export Authority 813 W Northern Lights Blvd Anchorage, AK 99503 Phone: (907) 771-3019 Fax: (907) 771-3044	Previous Addenda Issued Addendum One, August 9, 2017	
Project: FedEx Hanger Floor Slab Joint and Crack Repair Solicitation No.: 18015	Date and Hour Quotes Due: August 16, 2017 at 2:00 p.m., prevailing Anchorage time.	

NOTICE TO BIDDERS:

Bidders must acknowledge receipt of this addendum prior to the hour and date set for the bid due date by one of the following methods:

- (a) By acknowledging receipt of this addendum on the proposal form submitted.
- (b) By email or telefacsimile which includes a reference to the project and addendum number.

The bid documents require acknowledgment individually of all addenda to the drawings and/or specifications. This is a mandatory requirement and any bid received without acknowledgment of receipt of addenda may be classified as not being a responsive bid. If, by virtue of this addendum it is desired to modify a bid already submitted, such modification may be made by email or telefacsimile provided such an email or telefacsimile makes reference to this addendum and is received prior to the opening hour and date specified above.

The Bid documents for the above project are amended as follows (All other terms and conditions remain unchanged):

GENERAL – QUESTIONS & ANSWERS

1) **Q:** Do you know the approximate depth of the typical joints at the Fed Ex hanger and also the depth of the wider construction joints, Also I am wondering what your thoughts are for the patch product for the spall repair or will you leave that up to the contractor?

A: Please refer to exhibit drawing 07.01. Details 2 and 3 are Construction Joints. Details 4, 5 and 8 for Expansion Joints. Details 6 and 7 for Sawed Joints. For spall repairs, Contractor shall use high strength concrete installed in accordance with the Unified Facilities Criteria Concrete Crack and Partial Depth Spall Repair Manual, UFC 3-270-03 identified in Addendum One. High strength concrete shall match existing trowel finish of adjacent concrete. High strength concrete shall be as defined in ACI 363R and the selected Contractor shall provide a mix design for approval by the AIDEA prior to installation. The use of high strength concrete shall be priced as part of the base bid of this solicitation.

BIDDING AND CONTRACT REQUIREMENTS

2) **Form SPC-002 – SMALL PROCUREMENT QUOTE SUBMITTAL:**

- Remove and replace with attached revised Form SPC-002

3) **Section 01 00 00 – Program of Facilities Requirements – Submittals, add the following:**

“d. **WARRANTIES.** Contractor warrants for one year, after completion, to Owner that all labor, materials and equipment furnished under the Agreement are of the type and quality required by the Agreement Documents, new (unless otherwise required or permitted by the Agreement Documents) and installed in a good and workmanlike manner and otherwise in accordance with the Agreement Documents. Contractor further warrants that (i) it shall use sound construction principles and practices in the performance of the Work; (ii) it shall apply to the Work a high degree of skill, care, judgment and supervision to assure that the Work is performed properly and in accordance with the

Agreement Documents; and (iii) the Work will be free from defects not inherent in the quality required or permitted.

4) Section 01 00 00 – Program of Facilities Requirements – Products, add the following:

“e. **Additive Alternate One:** Contractor shall provide a price to substitute D.S. Brown Delpatch Elastomeric Concrete in place of high strength concrete required in the Base Bid price. Contractor shall install Delpatch in accordance with the specifications and manufacturer’s recommendations included as attachments to this Addendum (see attached product spec sheets for reference). In place of a manufacturer’s representative identified in the D.S. Brown Delpatch specification, the Owner or their agent will be present during the initial use of the product to ensure it is being properly applied. Product should match existing trowel finish of adjacent concrete.”

END OF ADDENDUM



ALASKA INDUSTRIAL DEVELOPMENT & EXPORT AUTHORITY
SMALL PROCUREMENT QUOTE SUBMITTAL
(CONSTRUCTION RELATED)
 [per 3 AAC 100 – 3 AAC 100.900]

Project Name: FedEx Hanger Floor Slab Joint and Crack Repair Solicitation No.: 18015 Location: Anchorage, Alaska	Procurement Agency and Address: Alaska Industrial & Development Authority 813 W Northern Lights Blvd Anchorage, AK 99503
Procurement Officer: Rich Wooten, CDT, CPSM	Date of Issuance: July 28, 2017 Bid Date: August 8, 2017, 3:00pm

QUOTE: Contract award shall be made on the basis of the total Base Bid plus additive alternates as selected by AIDEA. If Bid Alternates are included in the Bid Documents, AIDEA reserves the right to award some, none, or all of the alternates. Alternates may be awarded in any order in the best interest of the AIDEA. Offerors must read all attachments to this schedule.

BASIC BID: Furnish all labor, materials, and supervision to complete the basic bid scope of work detailed in the Summary of Work and Drawings, for the lump sum of: (a)\$ _____

ADDITIVE ALTERNATE: D.S. Brown Delpatch Elastomeric Concrete substitute: (b)\$ _____

Alaska Offeror's Preference (5% of a and b.) (c)\$ _____

Adjusted Basic Bid (a+b-c=d) (d)\$ _____

I have reviewed the bid documents, with addenda _____, and understand the scope of services and conditions required for Solicitation No18015. I agree to furnish all necessary labor, materials, and equipment for the above amount(s). The Work shall be accomplished in a professional manner acceptable to the Procurement Officer.

Contractor _____ Contractor Reg. No. _____

Authorized Signature _____ Title _____

Address _____

Business License # _____ EIN or SSN _____ Phone # _____

Offeror is Claiming:

Alaska Offeror's Preference

.....

Procurement Officer: _____

Date of Receipt of Bid: _____

Offeror to Complete this Portion



D.S. BROWN
A GIBRALTAR INDUSTRIES COMPANY

Pavements

REV 11/16

Delpatch™ Elastomeric Concrete Spall Repair

SECTION I – Description

A. This item shall consist of furnishing and installing suitable material to repair damaged concrete pavement. Spall repair shall consist of sawing concrete behind the spalled area, removing concrete pavement to expose sound pavement throughout the repair area, preparing and installing repair material and completion of the sawn joint.

SECTION II – Identification

A. Before starting spall repair work on the concrete pavement, the contractor and the owner shall inspect the concrete to identify spalls and mark any areas that shall be prepared. Identification of spalls shall be at the sole discretion of the owner.

SECTION III – Materials

A. **Elastomeric Concrete.** The elastomeric concrete shall contain a two-component polyurethane product mix with sand and 1/8" chopped strand fiberglass. The elastomeric concrete shall contain no greater than 21 pounds of sand and fiberglass for every gallon of polymer.

The elastomeric concrete will consist of a fluid base or binder with suitable reinforcing agents to provide a product that mixes in five minutes or less, flows readily, strongly adheres to concrete, requires no external application of heat for curing and cures within a maximum of two hours after mixing. This material shall be Delpatch™ as manufactured by The D.S. Brown Company, 419-257-3561, fax 419-257-2200 or pre-approved equal.

B. **Properties.** The material shall meet the following properties:

Property	Requirements	Test Method
Tensile		
Strength	600 psi	
Elongation	25	
Hardness, Durometer D	50	ASTM D2240
Compressive		
Stress psi		
5% Deflection	800min/1400max	ASTM D695
Resilience, %		
5% Deflection	95 min	
Impact		
Ball Drop @ -20°F (No cracking)	>10 ft	
Adhesion to Concrete (psi)		
Dry Bond	400 min	
Wet Bond	250 min	
Fluid Immersion		
% Wt, change after 70 hrs in room temp. Jet fuel	8% max	ASTM D471

SECTION IV – Construction Methods

A. **Weather Limitations.** Spall repair shall be performed only when the ambient air temperature is 45°F (7°C) and rising. The temperature of the concrete to be repaired shall be 45°F (7°C) or above.

B. **Preparation and Application of Elastomeric Concrete.**

- Area Preparation** - Saw cut area to be repaired to the dimensions indicated in the plans or as directed by the owner. Carefully sandblast all areas, which will be in contact with the elastomeric concrete material. Repair area must be clean and dry before placing elastomeric concrete.

Spall Repair | Delpatch™ Elastomeric Concrete

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2. **Priming** - Use a pump sprayer or brush to apply the primer. The primer shall be supplied as part of the elastomeric concrete system, product # 105 or pre-approved equal. Apply primer for concrete surfaces to all areas that come in contact with the elastomeric concrete. Allow primer to dry 30 minutes before pouring the spall repair material.
3. **Mixing** - Mix 3,000 ml of Part A and 1,500 ml of Part B for approximately 10 seconds. Add one pre-weighed and portioned bag of sand and fiberglass (provided by the manufacturer) and continue to mix for approximately 1 minute. When properly mixed, the elastomeric concrete is an even gray color.
4. **Pouring** - The elastomeric concrete must be poured into the repair area in a manner that reduces the potential for delaminating. Fill entire area to grade as you go rather than emptying the mix over the entire

length of the repair area. Start at the low end of the repair area. The elastomeric concrete is self-leveling. As it cures, use a trowel to achieve a grooved or textured finish. For repairs along existing joints, the joints should be maintained by the use of forming materials or saw cutting method. Masking and forming materials should be removed immediately after troweling. Please review the manufacturer's installation instructions prior to installing the repair material.

5. **Accepting Traffic** - Allow the material to cure two hours before opening to traffic.

SECTION V – Manufacturer's Representative

- A. A representative or agent of the manufacturer shall be present during the initial uses of this product to satisfy himself/herself and the owner that it is being properly applied.



Delpatch™ Elastomeric Concrete

Installation Instructions

Unit Makeup

Each unit consists of twelve (12) bags of sand and fiberglass, two (2) 5-gallon pails of Part A (clear), and one (1) 5-gallon pail of Part B (black). Also included with each unit is 1/6 gallon of primer. Each sand/fiberglass box weighs approximately 280 lbs. Total unit weight is approximately 425 lbs. Each unit yields approximately 27.7 mixed gallons and fills a void of approximately 3.7 cubic feet. (Part A and Part B materials are also available in drums.)

Miscellaneous

- A. Parts A and B may be stored outdoors, but must be protected from freezing weather. The aggregate must be protected from the elements: either store indoors or, if outdoors, off the ground and covered with a waterproof tarp.

Equipment

The D.S. Brown Company recommends the following equipment:

- A. Drill mixer, Hobart mixer or pail mixer
- B. 5-gallon buckets, mixing bowls/pails (2)
- C. Plastic measuring beakers (min. capacity 5000 ml)
- D. Notched trowels for finishing, and scrapers (margin or brick trowels) for mixing bowls or pails
- E. Personal protective equipment (safety glasses, gloves, safety vests, etc.). See MSDS.
- F. Spray bottle for applying primer
- G. Funnel for filling spray bottle with primer

The Blockout

- A. Repair area must be clean and dry.
- B. Minimum application depth is one inch.
- C. We recommend that the entire application area be sandblasted, including one inch outside the repair area. Secondary blasting may be needed if contamination, dampness, etc. occurs.
- D. Blow area (including a wide portion of roadway surface area) with high pressure air which is free of oil and moisture.
- E. It is good practice not to get too far ahead with sandblasting and air blowing or they may need to be repeated.

Priming Concrete

- A. Primer is applied with either a hand pump sprayer or a pump-up spray tank.
- B. The primer may also be applied by brushing.
- C. Use clean brushes at all times.
- D. Use smaller "working" can large enough to hold sufficient primer to coat the blockout.
- E. Fresh primer must always be used.
- F. Avoid making puddles as this increases drying time.
- G. It is good practice not to return excess primer to the main one-gallon can.
- H. Primer must dry out at least 30 minutes and no longer than 4 hours before placement of Delpatch™.

Mixing

- A. There are 12 batches of approximately 2.31 gallons in each unit.
- B. Pour 3000 ml Part A and 1500 ml Part B into separate beakers (use level line).
- C. Add Part A and Part B to mixing bowl. Start mixer at low speed.

Installation Instructions | Delpatch™ Elastomeric Concrete

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- D. Immediately begin to add sand/fiberglass mixture at a gradual rate (approximately 10 seconds).
- E. Increase mixer speed to medium. Mix for 1 minute. An even gray color indicates a consistent mix.
- F. Take material to blockout.

Placement & Finishing

- A. Delpatch™ is initially self-leveling, but rapidly becomes thicker. Be sure to have an area ready for placement prior to mixing.
- B. Delpatch™ must be poured into the blockout in a manner that reduces the potential for delamination. In other words, fill a particular grade on an “as-you-go” basis (including final troweling) rather than emptying the bowl over the entire length of the blockout.
- C. Start at the low end of the repair area. Delpatch™ will flow for several minutes; use trowel to push excess “uphill.” After Delpatch™ has taken its initial set, use notched trowel to finish to final grade. Avoid “smearing” the excess outside the repair area.
- D. Never leave a partially filled blockout at lunch breaks, etc.
- E. Total working time with Delpatch™ from adding Parts A and B to initial set is approximately five to ten minutes, depending on temperature.
- F. It is good practice to use a notched trowel that is long enough to span the repair area.
- G. If edges are masked with duct tape, remove tape immediately after final trowel.

Special Comments

- A. On hot, sunny days keep kits under cover or in the shade.
- B. Open pails only as needed. To ensure future quality of Delpatch™ parts A and B, tightly close partial containers for reuse.
- C. Use empty aggregate boxes under measuring and mixing operations to catch drips and spills.

Accepting Traffic

Delpatch™ Elastomeric Concrete can accept traffic in as little as one hour after the final pour when installed in normal working temperatures.

Cleanup

- A. Paddles should be scraped between mixes to reduce buildup.
- B. Residue in Part A beaker will set up and can be stripped out.
- C. Residue in Part B beakers can be drained into an empty Part B can.
- D. Paddles, tools, scrapers, trowels, etc. can be immersed in denatured alcohol or solvent and cleaned later.

Restrictions

- A. Delpatch™ must not be installed when air and concrete temperatures are colder than 45°F.
- B. Delpatch™ should not be poured in the rain, however slight.