

ADDENDUM
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OWNER:	City of Plymouth 201 Main Street Plymouth, MI 48170
ENGINEER:	Fishbeck 4775 Campus Drive Kalamazoo, MI 49008
DRAWING REVISION NO.:	None
ISSUED HEREWITH:	
SPECIFICATION SECTIONS:	00 41 43, 03 37 13
SHEETS:	None
ADDITIONAL DOCUMENTS:	Pre-Bid Meeting Minutes
BIDS DUE:	April 20, 2023, 10:00 a.m. (ET)

This Addendum is issued to all Bid Set Holders, is a part of the Contract Documents, and modifies the previously issued Bidding Documents. Acknowledge receipt of this Addendum in the space provided on the Bid form; failure to do so may result in rejection of the Bid.

ITEM NO. 1:

Section: 00 22 13 – Supplementary Instructions to Bidders (not reissued)

- A. Article 4 Bidding Procedures
 - 1. Delete Paragraph 4.3 Submission of Bids and subsequent Subparagraphs (4.3.1 and 4.3.1.1).

ITEM NO. 2:

Section: 00 41 43 – Bid Form (reissued)

- A. Delete Section 00 41 43 and replace with attached Section 00 41 43 – Bid Form – Addendum No. 1.
- B. Revisions:
 - 1. Revised Work Item 3.7 in Article 5 Basis of Bid.
 - 2. Added Work Item 3.12 in Article 5 Basis of Bid.

ITEM NO. 3:

Section: 03 37 13 – Shotcrete (issued)

- A. Add attached Section 03 37 13 to the Project Manual.

ITEM NO. 4:

Pre-Bid Meeting Minutes (issued)

- A. Refer to attached Pre-Bid Meeting Minutes for discussions and attendance record.

QUESTIONS:

- A. During the pre-bid meeting, it was stated that bids are to be dropped off for a public bid opening but in Spec Section 00 22 13 it reads that they are to be submitted via email. Can you clarify?

Response: Owner will receive sealed Bids in the Plymouth City Clerk's Office at Plymouth City Hall, 201 Main Street, Plymouth, Michigan 48170. Refer to Section 00 11 16, Invitation to Bid. Submission of Bids paragraph has been removed from Section 00 22 13. Refer to Item No. 1 above.

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- B. Haunch repair detail indicated shoring, while the column repair detail does not. What should be assumed when pricing the Column/Haunch Repair work item?

Response: *Bid Form has been revised to include separate work items for column repairs and haunch repairs. Refer to Item No. 2 above.*

- C. For the patching repairs on the ceiling reflected plan sheet, can we look at a shotcrete material method to place the material back instead of the hand patching materials specified in the bid documents?

Response: *Shotcrete specification has been added to the Project Manual. Refer to Item No. 3 above.*

- D. What type of shoring loads are you looking for at some of these repairs? Partial Depth, Full Depth, Beam, Haunch?

Response: *Approximate service level loads for the precast double tees and inverted tee beams are as follows:*

- *96 kips per double tee unit.*
- *42 kips per inverted tee beam unit (note beam self-weight only).*

END OF ADDENDUM

SECTION 00 41 43 - BID FORM

Bid of _____ hereinafter called Bidder, organized and existing under the laws of or a resident of the State of _____, doing business as _____.*

*Insert as applicable: "a corporation", "a partnership" or "an individual".

To City of Plymouth, hereinafter called Owner.

ARTICLE 1 – BID RECIPIENT

1.01 The undersigned Bidder proposes and agrees, if this Bid is accepted, to enter into an Agreement with Owner in the form included in the Bidding Documents to perform all Work as specified or indicated in the Bidding Documents for the prices and within the times indicated in this Bid and in accordance with the other terms and conditions of the Bidding Documents.

ARTICLE 2 – BIDDER'S ACKNOWLEDGEMENTS

2.01 Bidder accepts all of the terms and conditions of the Invitation to Bid and Instructions to Bidders, including without limitation those dealing with the disposition of Bid security. This Bid will remain subject to acceptance for 45 days after the Bid opening, or for such longer period of time that Bidder may agree to in writing upon request of Owner.

ARTICLE 3 – BIDDER'S REPRESENTATIONS

3.01 In submitting this Bid, Bidder represents that:

A. Bidder has examined and carefully studied the Bidding Documents, other related data identified in the Bidding Documents, and the following Addenda, receipt of all which is hereby acknowledged:

<u>Addendum Number</u>	<u>Addendum Date</u>
_____	_____
_____	_____
_____	_____
_____	_____

B. Bidder has visited the Site and become familiar with and is satisfied as to the general, local, and Site conditions that may affect cost, progress, and performance of the Work.

C. Bidder is familiar with and is satisfied as to Laws and Regulations that may affect cost, progress, and performance of the Work.

D. Bidder has considered the information known to Bidder; information commonly known to contractors doing business in the locality of the Site; information and observations obtained from visits to the Site; the Bidding Documents; and the Site-related reports and drawings identified in the Bidding Documents, with respect to the effect of such information, observations, and documents on:

- (1) the cost, progress, and performance of the Work;
- (2) the means, methods, techniques, sequences, and procedures of construction to be employed by Bidder, including applying the specific means, methods, techniques, sequences, and procedures of construction expressly required by the Bidding Documents; and
- (3) Bidder's safety precautions and programs.

- F. Based on the information and observations referred to in Paragraph 3.01.E above, Bidder does not consider that further examinations, investigations, explorations, tests, studies or data are necessary for the determination of this Bid for performance of the Work at the price(s) bid and within the times required, and in accordance with the other terms and conditions of the Bidding Documents.
- G. Bidder is aware of the general nature of work to be performed by Owner and others at the Site that relates to the Work as indicated in the Bidding Documents.
- H. Bidder has given Engineer written notice of all conflicts, errors, ambiguities or discrepancies that Bidder has discovered in the Bidding Documents, and the written resolution thereof by Engineer is acceptable to Bidder.
- I. The Bidding Documents are generally sufficient to indicate and convey understanding of all terms and conditions for the performance of the Work for which this Bid is submitted.

ARTICLE 4 – BIDDER’S CERTIFICATION

4.01 Bidder certifies that:

- A. This Bid is genuine and not made in the interest of or on behalf of any undisclosed individual or entity and is not submitted in conformity with any collusive agreement or rules of any group, association, organization or corporation;
- B. Bidder has not directly or indirectly induced or solicited any other Bidder to submit a false or sham Bid;
- C. Bidder has not solicited or induced any individual or entity to refrain from bidding; and
- D. Bidder has not engaged in corrupt, fraudulent, collusive, or coercive practices in competing for the Contract.

ARTICLE 5 – BASIS OF BID

5.01 Bidder will complete the Work in accordance with the Contract Documents for the following unit prices:

Unit Bid Price Schedule						
Item No.	Item Description	Ref. Spec. or Detail	Unit	Total Bid Quantity	Unit Price	Bid Price
Division 00 & 01						
1.1	Contractor Mobilization	Div. 0 & 1	L.S.	1	n/a	\$
1.2	Contractor General Requirements	Div. 0 & 1	L.S.	1	n/a	\$

Bidder (Firm or Corporation Name)

Unit Bid Price Schedule						
Item No.	Item Description	Ref. Spec. or Detail	Unit	Total Bid Quantity	Unit Price	Bid Price
Division 03						
3.1	Topping Slab Repair	4/SR501	S.F.	200	\$	\$
3.2	Full Depth Slab Repair	5/SR501	S.F.	40	\$	\$
3.3	Tee Flange/Ceiling Repair	6/SR501	S.F.	300	\$	\$
3.4	Tee Stem Repair	7/SR501	S.F.	20	\$	\$
3.5	Beam Repair	8/SR501	S.F.	30	\$	\$
3.6	Wall/Spandrel Repair	9/SR501	S.F.	170	\$	\$
3.7	Column Repair	10/SR501	S.F.	140	\$	\$
3.8	Top of Column Repair	15/SR501	EA.	6	\$	\$
3.9	Curb Repair	13/SR501	S.F.	40	\$	\$
3.10	Install Galvanic Anode at Concrete Repairs	03 01 33	EA.	40	\$	\$
3.11	Shear Connector Repair - Biscuit System	12/SR501	EA.	70	\$	\$
3.12	Haunch Repair	11/SR501	S.F.	10	\$	\$
Division 05						
5.1	Shear Connector Repair - Weld	14/SR501	EA.	5	\$	\$

Bidder (Firm or Corporation Name)

Unit Bid Price Schedule						
Item No.	Item Description	Ref. Spec. or Detail	Unit	Total Bid Quantity	Unit Price	Bid Price
Division 07						
7.1	Rout & Seal Concrete Cracks	1, 2/SR511	L.F.	300	\$	\$
7.2	Remove & Replace Routed Joint Sealant	1/SR511	L.F.	200	\$	\$
7.3	Remove & Replace Control Joint Sealant	3, 4/SR511	L.F.	1,800	\$	\$
7.4	Remove & Replace Cove Joint Sealant	5, 6/SR511	L.F.	600	\$	\$
7.5	Remove & Replace Wall Joint Sealant (Silicone)	7/SR511	L.F.	30	\$	\$
7.6	Install Wall Joint Sealant (Silicone)	7/SR511	L.F.	10	\$	\$
7.7	Expansion Joint Nosing Repair	8/SR511	L.F.	30	\$	\$
7.8	Install Deck Coating (Recoat System)	9, 10/SR511	S.F.	4,000	\$	\$
7.9	Install Deck Coating (Full System) at Vehicular Ramp	9, 10/SR511	S.F.	2,700	\$	\$
7.10	Deck Coating Repair (Full System)	11/SR511	S.F.	1,400	\$	\$
7.11	Install Strip Deck Coating (Full System) at Joints	12/SR511	L.F.	1,300	\$	\$
Division 22						
22.1	Remove & Replace Floor Drain	13/SR511	EA.	1	\$	\$
TOTAL OF ALL BID PRICES						\$

*Unit Key Code: L.S. - Lump Sum, S.F. - Square Foot, L.F. - Lineal Foot, EA. - Each

Bidder acknowledges that estimated quantities are not guaranteed, and are solely for the purpose of comparison of Bids, and final payment for all unit price Bid items will be based on actual quantities, determined as provided in the Contract Documents.

 Bidder (Firm or Corporation Name)

ARTICLE 6 – TIME OF COMPLETION

- 6.01 Bidder agrees that the Work will be substantially complete on or before October 6, 2023 and completed and ready for final payment in accordance with the General Conditions on or before October 20, 2023.
- 6.02 Bidder accepts the provisions of the Agreement as to liquidated damages.
- 6.03 Bidder acknowledges the following dates:
- A. Anticipated award date is May 15, 2023 (Subject to Owner Approval)
 - B. No construction activity between July 4, 2023 and September 12, 2023

ARTICLE 7 – ATTACHMENTS TO THIS BID

- 7.01 The following documents are submitted with and made a condition of this Bid:
- A. Required Bid security.
 - B. List of Proposed Subcontractors;
 - C. List of Proposed Suppliers;
 - D. List of Project References; and
 - E. Required Bidder Qualification Statement with Supporting Data.

ARTICLE 8 – DEFINED TERMS

- 8.01 The terms used in this Bid with initial capital letters have the meanings indicated in the Instructions to Bidders, the General Conditions, and the Supplementary Conditions.

ARTICLE 9 – BID SUBMITTAL

- 9.01 This Bid is submitted by:

SUBMITTED on _____, 20____
Date*

BY: _____
Name of Bidder*

Business Street Address*

Signature

City, State, and Zip*

Name and Title of Signatory*

Telephone Number*

Facsimile Number*

E-mail Address*

*Typed or printed in ink.

END OF SECTION 00 41 43

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SECTION 03 37 13 – SHOTCRETE

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. This Section includes furnishing labor, materials, equipment, and supervision for shotcrete patching indicated below:
 - 1. Slab soffit patches.
- B. Basis of Contract Payments:
 - 1. Determine final Contract Price by actual quantities installed at unit prices stated in Bid form for the following:
 - a. Concrete repair quantities:
 - 1) Measure on a square foot basis, pay for on a unit cost basis.
 - 2) Estimated depth of patch is indicated on the Drawings.
 - 3) Refer to Division 00 Section "Bid Form."
 - 2. Identify current quantities with each payment request. Work must be properly identified.
 - 3. Incorporate submitted drawings into record set in accordance with Division 01.

1.3 REFERENCES

- A. Except as herein specified or as indicated on the Drawings, the work of this Section shall comply with the following:
 - 1. ACI:
 - a. 318 - Building Code Requirements for Structural Concrete.
 - b. 506 - Guide to Shotcrete.
 - c. 506.3 - Guide to Certification of Shotcrete Nozzlemen.
 - d. 506.2 - Specification for Materials, Proportioning and Application of Shotcrete.
 - 2. ASTM:
 - a. C33 – Specification for Concrete Aggregates.
 - b. C150 – Specification for Portland Cement.

1.4 SUBMITTALS

- A. Product Data:
 - 1. Mix Design: Submit prior to shotcreting, for review.
 - 2. Plan of Action: Submit a written plan of action that includes, but is not limited to:
 - a. Dust control and exhaust.
 - b. Personnel communication during shotcreting.
 - c. Protection of adjacent items such as property and equipment.
- B. Certifications: Submit a written description of construction ability including equipment, facilities, personnel, and a list of similar completed projects.

1.5 DELIVERY, STORAGE AND HANDLING

- A. Ship materials in weatherproof enclosures, in weatherproof containers or in weatherproof packaging. Deliver materials in original, unbroken, brand marked containers or wrapping as applicable.

- B. Handle and store materials in a manner which will:
 - 1. Prevent deterioration, damage, and contamination with foreign matter.
 - 2. Prevent damage by weather or elements.
 - 3. According to Manufacturer's directions.
- C. Store materials on platforms off ground. Protect stored cement against elements.
- D. Reject damaged, deteriorated, or contaminated material and immediately remove from the Site. Replace rejected materials with new materials at no additional cost to Owner.

1.6 QUALITY ASSURANCE

- A. Perform Work in accordance with applicable laws and regulations of the building code and with other authorities having jurisdiction, except where the requirements of these Specifications are more exacting or stringent, they shall govern.
- B. Staff Experience: At least 2 years' experience in structural concrete restoration and shotcrete repair work.
- C. Trial Area:
 - 1. Designated by the Engineer for Contractor to demonstrate that the equipment, personnel, and methods of operation can produce results satisfactory to the Engineer.
 - 2. Do not proceed until trial area is accepted by Engineer.
- D. Testing:
 - 1. Notify the testing laboratory of scheduled shotcreting dates.
 - 2. Notify the testing laboratory and Engineer 48 hours in advance of shotcreting.
- E. Sampling and Testing: Perform quality control sampling and testing in accordance with ACI 506.2, Section 1.6.

PART 2 - PRODUCTS

2.1 MATERIALS

- A. Portland Cement: Conform to ASTM C150, Type I.
- B. Aggregates: Conform to ASTM C33, exposure 5S.
 - 1. Gradation and Limits for Combined Aggregate: As noted in Table 2.2.1 of ACI 506.2.
 - 2. Use gradation No. 1 unless it is demonstrated that reinforcement of the type and size to be encountered on the Project can be properly encased using gradation No. 2.
- C. Water: Clean and potable.
- D. Admixtures: Not permitted unless specifically reviewed by Engineer.

2.2 SHOTCRETE PROPERTIES

- A. Minimum Compressive Strength:
 - 1. 5,000 psi at 28 days.
 - 2. Refer to Section 2.5 ACI 506.2 for additional information.

PART 3 - EXECUTION

3.1 INSPECTION

- A. Before commencing work, examine adjoining conditions on which this work is dependent and report in writing to Owner or Engineer conditions which prevent performance of the work. Starting work constitutes acceptance of adjoining conditions.

- B. Remove and reinstall after shotcreting or otherwise protect items such as electrical conduit, mechanical conductors, light fixtures, and mechanical equipment, as necessary for the proper completion of repairs.
- C. Perform concrete patch preparation in accordance with Division 02 Section "Selective Concrete Demolition" and details indicated on the Drawings.
- D. Clean concrete of laitance and clean rust from existing reinforcement and miscellaneous metal to SSPC-SP5 "Near White Metal Cleaning", and epoxy coat as required in Division 03 Section "Epoxy-Coated Reinforcing Steel."
- E. Inspect condition of reinforcing bars following demolition.
 - 1. If the bar's cross-sectional loss is greater than 15%, splice in new bar as directed by the Engineer.
 - 2. Provide minimum splice length:
 - a. In accordance with ACI 318.
 - b. To each side of deterioration.
 - 3. Additional concrete removal may be required for placement of spliced bars.

3.2 PREPARATION

- A. Equipment:
 - 1. Selected by Contractor.
 - 2. Use dry-mix shotcrete equipment. Introduce mixing water at the nozzle.
 - 3. Capable of handling 1/2-inch aggregate if gradation No. 2 is used (See Paragraph 2.1).

3.3 PLACEMENT

- A. Placing Shotcrete Patch Material:
 - 1. Maintain Drawing markups locating concrete repairs performed under this section.
 - a. Indicate location and size of patches on drawings.
 - 2. Before placing shotcrete:
 - a. Complete formwork.
 - b. Remove foreign materials.
 - c. Secure reinforcement in place.
 - d. Obtain Engineer's review of entire preparation.
 - 1) Notify Engineer at least 48 hours prior to desired time of inspection.
 - 3. Thoroughly clean the cavity of foreign matter immediately prior to the placing shotcrete.
 - 4. One hour prior to placing shotcrete, pre-wet bonding surface with a uniform spray application of water. Maintain surface in a damp condition.
 - 5. Place shotcrete only when ambient temperature is 40 degrees F and rising.
 - 6. Place shotcrete to provide a minimum of 1 inch cover to the embedded steel.
 - 7. Meet minimum requirements indicated on details on the Drawings.
 - 8. Shotcrete Depth:
 - a. At least equal to the depth of preparation.
 - b. No greater than the original concrete profile by 1/2 inch.
 - 9. Protect adjacent surfaces.
 - a. Clean off debris on adjacent surfaces following shotcrete operations.
 - b. Remove overspray from adjacent surfaces.
 - c. Patch cavities.
 - d. Abrasive blast patch cavities to remove overspray prior to patching.
 - 10. Trowel finish shotcrete surfaces.

3.4 CURING

- A. In accordance with ACI 506.2.
- B. Extend time as directed by Engineer when the curing temperature falls below 50 degrees F.
- C. If shrinkage cracks appear in the shotcrete material prior to completion of initial 72 hour curing period, Engineer will consider the shotcrete defective. Remove and place new shotcrete at no extra cost to the Owner.

3.5 CLEANING

- A. Clean materials installed under this Section according to Division 01 Section "Cleaning and Waste Management."

END OF SECTION 03 37 13

Meeting Minutes

PROJECT:	City of Plymouth Central Parking Structure Restoration 2023	DATE:	April 4, 2023
SUBJECT:	Pre-Bid Conference	START:	10:00 a.m.
MEETING SITE:	Plymouth DDA Office	DISTRIBUTED:	April 7, 2023
PREPARED BY:	Justin Thomson, P.Eng.	PROJECT NO.:	220597
ATTENDING:	City of Plymouth – John Buzuvis, Max Jenkins, Sam Plymale Fastdecks – Tyler Frank Grit Services – Jeffery Clapper Industrial Services – Dan Creger Pullman SST – Zach Carroll RAM Construction – Dan Canedo Smith’s Waterproofing – Robert Barbier Fishbeck – Justin Thomson	Attachments <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Individuals in the distribution list will receive all attachments unless noted otherwise.	
DISTRIBUTION:	Attendees		

If information contained herein is thought to be inaccurate or incorrect, please contact writer at once for resolution.

Bidding Notes

- Pre-Bid:
 - Prospective Bidders are required to attend and participate in the conference.
 - Refer to the attached Attendance Sheet.
- Bids Due:
 - Thursday, April 20, 2023 @ 10:00 a.m. (ET).
 - Sealed bids will be received at Plymouth City Clerk’s Office.
 - Plymouth City Hall, 201 Main Street, Plymouth, Michigan 48170
- Questions:
 - Deadline: Friday, April 14, 2023 @ 10:00 a.m. (ET).
 - Email directly to Justin Thomson at jthomson@fishbeck.com.
- Bid Bond in the amount of at least 5%.
- A Performance Bond, a separate Labor and Material Payment Bond, and Insurance in a form acceptable to Owner will be required of the successful Bidder.
- Submit with bid a properly executed "Contractor Qualification Statement". Refer to Spec Section 00 45 13.
- The Owner reserves the right to waive any irregularities and to reject any and all Bids. The Owner also reserves the right to delete any item or portion of the work.

Project Scope

1. Reviewed drawings and scope of work.
2. Project pricing is a combination of lump sum work items and unit price work items.
3. Contractor is responsible for obtaining all permits necessary to complete the work.
 - a. No cost for permits.
4. Contractor is responsible for providing appropriate shoring.

Project Phases & Schedule

1. Anticipated Award Date: May 15, 2023 (*subject to DDA approval*).
2. No construction activity between July 4, 2023, and September 12, 2023.
3. Substantial completion date of Project is October 6, 2023.
4. Completed and ready for final payment on or before October 20, 2023.
5. Liquidated damages of \$200 per space per day, or a maximum of \$1,000 per day.
6. Construction hours are 7:00 a.m. to 8:00 p.m, 7-days a week.

Construction Phasing

1. Traffic flow shall be maintained to all levels of the structure, including Fleet Street.
2. Contractor may close one half of the parking structure at one time.
3. Contractor shall only close areas where work is currently being performed.
4. One stair tower must always remain open.
5. Provide owner approved signage at the beginning of construction.
6. Contractor shall provide a phasing plan prior to start of construction.
7. Contractor shall provide a weekly work schedule prior to performing work for the upcoming week.
8. Refer to Drawing G002 for complete Phasing Notes.

Testing

1. Special inspections at the owners' expense, including concrete.

Closeout Documents

1. Record drawings and warranties are required at the end of construction.
2. Refer to Specification Section 01 77 00 for complete Closeout Procedures.

Walkthrough

1. Additional site visits do not need to be coordinated with DDA or Fishbeck.

Additional Comments

1. Security cameras to be stored in the DDA office if they need to be removed.

Questions

1. Haunch repair detail indicated shoring, while the column repair detail does not. What should be assumed when pricing the Column/Haunch Repair work item?
Clarification will be provided in an addendum.

Attendance Sheet



MEETING: Pre-Bid Conference

DATE: April 4, 2023

TIME: 10:00 AM (local time)

PROJECT NAME: Central Parking Structure Restoration 2023

LOCATION: City of Plymouth Downtown Development Authority
831 Penniman Avenue, Plymouth, Michigan 48170

PROJECT NO.: 220597

NAME	COMPANY	PHONE NO.	EMAIL
Sam Plymale	Plymouth DDA	734-455-1453	splymale@plymouthmi.gov
Max Jenkins	Plymouth DDA	734-455-1453	mjenkins@plymouthmi.gov
Justin Thomson	Fishbeck	269-365-4770	jthomson@fishbeck.com
John Buzovis	City of Plymouth	734-453-1234	jbuzovis@plymouthmi.gov
Dan Greger	Industrial Services	734-761-8370	Dan@ISTresults.com
Dan Carredo	RAM	734-564-3395	dcarredo@ramservices.com
Tyler Frank	Fastdecks	517-438-3990	tfrank@fastdecks.net
Jeffrey Clapper	Grit Services	248-660-6717	jclapper@grit-services.com
Zach Carroll	Pullman SST	734-752-9266	zcarroll@pullman-services.com
Robert Barbier	Smith's	810-305-0663	Robert@swcdllc.com