February 14, 2016

Addendum #2 To
Request for Proposal
For Tierney Alumni House Cabling: Project 505-259171

Dated January 5, 2016

Points of Clarifications during the Pre-proposal Meeting January 12, 2016:

The Addendum must be acknowledged on your lump sum bid.

IMPORTANT – PLEASE NOTE: Effective December 1, 2007, bid notices will be sent only to those Vendors registered to receive them via our Bid Opportunities Listserv service. To register, to http://www.forms.procurement.wayne.edu/Adv_bid/Adv_bid.html, and click on the “Join our Listserv” link at the top of the page. Instructions are at the top of the page, and the Construction Listserv service is under “Construction Bid Opportunities”.

NOTE: You must have attended a pre-bid conference in order to be eligible to bid on a particular project. Receipt of minutes or addenda without being at a pre-bid conference does not qualify your company to bid.

Question:
It appears the following section has been omitted from the manual: 092900 Wood Restoration

Answer:
It is listed now as section 060140, specification content has not changed)

Question:
It appears the following section has been omitted from the manual: 093013 Wood Flooring

Answer:
See footer listing section 096400; table of contents revised

Question:
It appears the following section has been omitted from the manual: 095113 Acoustical Panel Ceiling

Answer:
This has been deleted from the table of contents, no specification required

Question:
The following sections are included but are not listed on the Table of Contents: 092300 Gypsum Plaster Materials and 096400 Wood Flooring
Answer:
This is part of section 090120, the footer has been relabeled

A copy of this Addendum will be posted to the Purchasing web site at http://www.forms.procurement.wayne.edu/Adv_bid/Adv_bid.html.

As a reminder, the bid due date is January 22, 2016, at 2:00 pm. If you have any further questions, please do not hesitate to email them to me at rfpteam2@wayne.edu and copy leiann.day@wayne.edu.

Thank you,

Valerie Kreher,
Senior Buyer
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SECTION 09 01 20 - PLASTER RESTORATION

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. Section Includes:
   1. Restoration of interior flat gypsum plaster walls and ceilings.
   2. In-place repair of interior ornamental plaster.

1.3 REFERENCES

A. Reference Standards:
   1. Perform Work according to the following standards.
   2. Maintain copies of each standard affecting the Work of this Section on Site.
      a. NPS Preservation Brief No. 21 - Repairing Historic Flat Plaster - Walls and Ceilings
      b. NPS Preservation Brief No. 23 - Preserving Historic Ornamental Plaster.

1.4 ADMINISTRATIVE REQUIREMENTS

A. Preinstallation Meetings: Conduct meeting at Project site to comply with requirements in Division 01 Section "Project Management and Coordination."
   1. Convene minimum prior to commencing work of this Section.
   2. Attendance Required: Architect, Owner, Contractor, installer, and other parties directly affecting or affected by work of this Section.
   3. Review methods and procedures related to work of this Section including, but not limited to, the following:
      a. Review and finalize construction schedule and verify availability of materials, Installer's personnel, equipment, and facilities needed to make progress and avoid delays.
      b. Inspect and discuss condition of substrates and other preparatory work performed by other trades.
      c. Review structural load limitations and condition of existing support framing.
      d. Review preparation and other requirements for performing work of this Section.
      e. Discuss and agree upon quality control procedures.
1.5 ACTION SUBMITTALS

A. Product Data: for each type of product.

1.6 INFORMATIONAL SUBMITTALS

A. Preconstruction Test Reports: Existing mortar analysis.

B. Qualification Statements:
   1. Qualification Data: Verifying qualifications and years of experience for installer. Include list of completed projects having similar scope of Work identified by name, location, date, reference names, and phone numbers.

C. Mix Designs: for each type of plaster. Include description of type and proportions of ingredients.

D. Cold-Weather and Hot-Weather Procedures: Detailed description of methods, materials, and equipment to be used to comply with requirements.

1.7 QUALITY ASSURANCE

A. Qualifications:
   1. Installer Qualifications: Company specializing in restoring plaster comparable in material, design, and extent to that indicated for this Project, and whose work has a record of successful in-service performance with the following qualifications:
      a. Company Experience: Minimum five years under current organizational structure.
      b. Project Experience: Minimum five years experience on at least five projects of similar nature in past five years.

B. Preconstruction Testing: Engage a qualified testing agency to perform preconstruction testing on existing plaster.
   1. Remove 4 samples of existing plaster from different locations.
   2. Retain one sample for later comparison.
   3. Break up remaining samples individually with mallet until constituent parts remain. Examine under microscope to determine:
      a. Approximate proportions of aggregate, cement, and lime.
      b. Type, size, and color of aggregate.
      c. Presence of fillers and types of additives.

C. Field Mockups: Build mockups to demonstrate aesthetic effects and qualities of materials and execution and set quality standard for restoration work.
   1. Location: As directed.
   2. Size: 10 feet long by 8 feet wide.
   3. Include lath, plaster, each surface texture, and each color.
   4. Illustrate materials, profiles, finishes, and attachment.
5. Maintain mockups during construction in an undisturbed condition as a standard for judging the completed Work.

6. Approval of mockups is also for other material and construction qualities specifically approved by Architect in writing.

7. Approval of mockups does not constitute approval of deviations from the Contract Documents contained in mockups, unless such deviations are specifically approved by Architect in writing.

8. Approved mockups may become part of the completed Work if undisturbed at time of Substantial Completion.

1.8 DELIVERY, STORAGE, AND HANDLING

A. Delivery Requirements: Deliver materials in manufacturer’s undamaged packaging, complete with installation instructions.

B. Storage and Handling Requirements: Store materials off ground, under cover, protected from weather, direct sunlight, construction activities and at temperature conditions recommended by manufacturer.

C. Store sand to prevent inclusion of foreign matter.

1.9 FIELD CONDITIONS

A. Ambient Conditions:
   1. Gypsum and Ornamental Plaster:
      a. Do not apply plaster when ambient or substrate temperature is less than 50 degrees F or more than 85 degrees F.
      b. Maintain minimum ambient temperature of 50 degrees F during and after application of plaster.

PART 2 - PRODUCTS

2.1 LATH

A. Sustainability Requirements for Metal Products: As specified in Division 05 Section "Common Sustainability Requirements for Metal."

   1. Paper Backing: FS UU-B-790, Type I, Grade D, Style 2 vapor-permeable paper.
   2. Diamond-Mesh Lath: Flat over open backing; self-furring over solid backing, 3.4 lb/sq. yd.

2.2 TRIM ACCESSORIES

A. General: Comply with ASTM C 841 for gypsum plaster and coordinate depth of trim and accessories with thicknesses and number of plaster coats required.

B. Metal Accessories: Fabricated from zinc; shapes as required to match original.
2.3 GYPSUM PLASTER MATERIALS

A. Gypsum: ASTM C 22.

B. Aggregate: Natural or manufactured sand, size, color, and texture to match existing.

C. Additives: As determined by existing plaster analysis, to match existing plaster.

2.4 ORNAMENTAL PLASTER MATERIALS


B. Lime: ASTM C 206, Type N, normal finishing hydrated lime.

C. Adhesive: Waterproof type, formulated for bonding gypsum based products.

D. Molding Material: Urethane, 30 durometer hardness.

E. Templates: Wood or metal.

F. Patching Compound: Gypsum based.

2.5 GYPSUM PLASTER MIXES

A. Scratch, Brown, and Finish Coats: Mix gypsum, additives, and aggregate in proportions to match existing plaster. Add water to achieve workable consistency.

B. Patching Compound: Mix with water in accordance with manufacturer's instructions.

2.6 ORNAMENTAL PLASTER MIXES

A. Plaster: Mix gypsum, lime, and water in proportions required to produce plaster mix of consistency required for application.

2.7 MISCELLANEOUS MATERIALS

A. Water for Mixing and Finishing Plaster: Potable and free of substances capable of affecting plaster set or of damaging plaster, lath, or accessories.

B. Bonding Compound: ASTM C 631.

C. Steel Drill Screws: For metal-to-metal fastening, ASTM C 1002 or ASTM C 954, as required by thickness of metal being fastened; with pan head that is suitable for application; in lengths required to achieve penetration through joined materials of no fewer than three exposed threads.

D. Fasteners for Attaching Metal Lath to Substrates: Complying with ASTM C 841.
E. Patching Compound: Premixed, containing gypsum and aggregate.

F. Tie Wire: Galvanized annealed steel, minimum 18 gauge.

G. Thermal Insulation: As specified in Division 07 Section "Thermal Building—Insulation."

H. Acoustical Joint Sealant: As specified in Division 07 Section "Joint Sealants."

I. Sound Attenuation Blankets: Insulation: As specified in Division 09 Section "Acoustic Insulation."

2.8 FABRICATION OF CAST PLASTER

A. Fabricate molds from existing undamaged plaster.

B. For continuous elements, fabricate molds with overage on length to permit filed fitting.

C. Cast replacement units with sharp lines and edges, with profiles to match existing.

D. After removal of units from molds, remove excess material and mold lines; tool exposed edges to smooth surfaces.

PART 3 - EXECUTION

3.1 EXAMINATION

A. Verification of Conditions:
   1. Examine substrates and conditions, with Installer present, for conditions affecting performance of work.
   2. Examine nonstructural and structural metal framing, substrates, and hollow-metal frames, for compliance with requirements and other conditions affecting performance of the Work.
   3. Verify conditions are ready to receive work of this Section.
   4. Prepare written report, endorsed by Installer, listing conditions detrimental to performance.
   5. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 PREPARATION

A. Protect adjacent work from soiling, spattering, moisture deterioration, and other harmful effects caused by plastering.

3.3 INSTALLATION, GENERAL

A. Fire-Resistance-Rated Assemblies: Install components according to requirements for design designations from listing organization and publication indicated on Drawings.
B. STC-Rated Assemblies: Install components according to requirements for design designations from listing organization and publication indicated on Drawings.
   1. Seal construction at perimeters, behind control and expansion joints, and at openings and penetrations with a continuous bead of acoustical sealant. Install acoustical sealant at both faces of partitions at perimeters and through penetrations.

   2. Comply with ASTM C 919 and manufacturer's written recommendations for locating edge trim and closing off sound-flanking paths around or through assemblies, including sealing partitions above acoustical ceilings.

C. Sound Attenuation Blankets: Where required, install blankets before installing lath unless blankets are readily installed after lath has been installed on one side.

D. Acoustical Sealant: Where required, seal joints between edges of plasterwork and abutting construction with acoustical sealant.

3.4 GYPSUM PLASTER REPAIR/RESTORATION

A. Repair of Small Cracks and Minor Damage
   1. Remove existing damaged plaster back to a point at which sound material is reached.
   2. Remove loose and foreign matter which could impair adhesion.
   3. Fill voids with patching compound; apply with sufficient pressure to eliminate voids and ensure adhesion.
   4. Finish to match adjacent surfaces.

B. Repair of Large Cracks
   1. Remove existing damaged plaster back to a point at which sound material is reached.
   2. Remove loose and foreign matter which could impair adhesion.
   3. Fill voids with patching compound; apply with sufficient pressure to eliminate voids and ensure adhesion.
   4. Embed tape in wet compound. Apply additional compound to cover tape.
   5. Finish to match adjacent surfaces.

C. Repair of Delaminated Plaster Layers
   1. Remove existing damaged plaster layers down to a point at which sound material is reached.
   2. Remove loose and foreign matter which could impair adhesion.
   3. Apply bonding compound in accordance with manufacturer's instructions.
   4. Fill voids with patching compound; apply with sufficient pressure to eliminate voids and ensure adhesion.
   5. Finish to match adjacent surfaces.

D. Repair of Damaged Plaster Over Wood Lath
   1. Remove existing damaged plaster down to lath.
   2. Reattach loose lath with nails or wire ties.
   3. Install metal lath over existing wood lath. Cut lath approximately 1/2 inch smaller on all sides than area to be patched. Attach to wood lath with nails or wire ties.
4. Apply scratch, brown, and finish coats to thickness to match existing plaster.
5. Finish to match adjacent surfaces.

E. Repair of Damaged Plaster Over Metal Lath
1. Remove existing damaged plaster down to lath.
2. Reattach loose lath with nails or wire ties.
3. Apply scratch, brown, and finish coats to thickness to match existing plaster.
4. Finish to match adjacent surfaces.

F. Repair of Damaged Plaster Over Gypsum Lath
1. Remove existing damaged plaster and gypsum lath.
2. Apply gypsum lath with ends and edges occurring over supports.
   a. Cut panels with maximum 1/8 inch gaps at perimeter and around openings and penetrations.
   b. Mechanically fasten panels to framing. Place fasteners minimum 3/8 inch from edges of panels. Drive heads slightly below surface.
3. Apply scratch, brown, and finish coats to thickness to match existing plaster.
4. Finish to match adjacent surfaces.

G. Repair of Damaged Plaster Over Masonry
1. Remove existing damaged plaster down to masonry.
2. Rout out mortar joint to 5/8 inch depth.
3. Apply bonding compound in accordance with manufacturer's instructions.
4. Apply scratch, brown, and finish coats to thickness to match existing plaster.
5. Finish to match adjacent surfaces.

3.5 ORNAMENTAL PLASTER REPAIR/RESTORATION

A. In-Place Restoration - Minor Damage
1. Remove existing damaged plaster back to a point at which sound material is reached.
2. Reattach loose cast elements with countersunk screws. Fill screw holes with patching compound; finish flush.
3. Fill voids with patching compound; tool to match existing profiles. Finish smooth and flush with adjacent surfaces.

B. In-Place Restoration - Major Damage and Missing Elements
1. Remove existing damaged plaster back to a point at which sound material is reached.
2. For continuous straight-line elements, attach temporarily wood strips to existing surfaces to act as guide for template. For circular elements, establish central reference point.
3. Apply plaster using sufficient pressure to prevent voids and ensure adhesion to substrate.
4. Strike off plaster to profile of existing using template; add additional plaster and strike off until smooth, full profiles are achieved.
5. Prior to adhering cast plaster to existing surfaces, clean surfaces of loose and foreign matter which could impair adhesion.
C. Replacement of Cast Elements
   1. Remove existing damaged plaster back to a point at which sound material is reached, in straight lines.
   2. Attach new cast plaster to substrate with countersunk screws. Fill screw holes with patching compound; finish flush.
   3. Fill joints between units with patching compound; finish flush with adjacent surfaces.

3.6 CLEANING

A. Clean as recommended by manufacturer. Do not use materials or methods which may damage finish or surrounding construction.

B. Waste Management: Legally dispose of waste off Owner's property.
   1. Comply with Division 01 Section "Construction Waste Management."

END OF SECTION 09 01 20