Addendum #2 To
Request for Proposal
For Life Science Exterior Wall System Stabilization : Project 006-253400
Dated August 19, 2015

Points of Clarifications during the Pre-proposal Meeting September 2, 2015 :

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:
1Q. Regarding the Schedule, the bid form states ‘time of completion’ is July 1, 2016, the summary (section 01100 item 1.7) states schedule to be Oct 2015 to Dec 2015. The alternates (section 01230) Item D. – Alternate 4 – states Base bid schedule is Apr 2016 to July 2016, and alternate is Nov 2015 to Feb 2016.
What is the schedule dates for both the base bid and Alternate 4?

Answer:
1A. Base bid schedule is April 2016 to July 2016. Alternate 4 schedule is November 2015 to February 2016.

Question:
2Q. Bid form and section 01210 – Allowance states and allowance of $10,000 for Mech & Elect. Is this allowance only for hidden Mech & Elect or are we to include the cost for shown mech & elect work (i.e. Sheet A-101 items 50 & 51, horizontal electrical raceway/outlets, etc.)

Answer:
2A. The Mechanical/ Electrical $10,000 Allowance is part of Contractor’s Base Bid and is to be authorized by WSU for its use in completing work that may be hidden above ceilings and behind walls. Contractor is responsible to include in the base bid all work shown on drawings and as specified.

Question:
3Q. Is the shoring and bracing to be designed by the contractor? Also, will it need to be stamped by a PE?

Answer:
3A. The Contractor is responsible for the temporary shoring system. This may be a pre-engineered manufacturer’s system. This shoring system must be reviewed/ stamped by a State of Michigan Licensed Professional Structural Engineer. Refer to re-issued sheet S-001, included in Addendum No. 2 issued by Niagara Murano Architecture/ Desai Nasr Consulting Engineers for additional shoring information. 
Question:
4Q. Can the GC use an area in the building for an office or do we have to bring a trailer on site?

Answer:
4A. The Contractor shall be permitted to use S/E office area 105 in Phase 3, during the phased completion of the schedule. Note: This space shall be for office only, no stored materials. Contractor shall need to provide a trailer for secure storage for materials.

Additional Clarifications:

Addendum No. 2 dated September 8, 2015 by Niagara Murano Architecture for Desai Nasr Consulting Engineers is included with this Addendum No. 2.

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 was revised in Addendum No. 1 to Wednesday September 16, 2015 at 2:00 pm. Also, an Optional second walk-thru for contractors/ subs is scheduled for Wednesday September 9, 2015 @ 2PM. Meet on the North side of the Building. If you have any further questions, please do not hesitate to email them to me at ab4889@wayne.edu and copy ab3577@wayne.edu.

Thank you,

Valerie Kreher,
Senior Buyer
ADDENDUM NO 2

OWNER: Wayne State University
Facilities, Planning and Management
5454 Cass Avenue
Detroit, MI 48202

DATE: September 8, 2015

PROJECT: Life Science Exterior Wall System Stabilization
WSU Prj #: 006-253400

ARCHITECT: Niagara Murano
2215 N. Old Woodward Avenue
Birmingham, Michigan, 48009
NM Project Number: 14116.0

ENGINEER: Desai Nasr Consulting Engineers
6765 Daly Road
West Bloomfield, MI 48322
DNCE Proj Number: 8824-00

INTENT:
This Addendum forms a part of and modifies or clarifies the original For Bid documents. Write-up pages included with this addendum 2 pages + Contents listed below.

Unless modified by this Addendum, all work of the Project shall be in accordance with original scope of work for the Construction Documents.

CONTENTS:
The following items comprise this Addendum which includes documents labeled as Addendum No 2:

Specifications: Section 05120 (6 pages)
Sketches: None Issued
CHANGES TO SPECIFICATIONS:

SEC 1 - ARCHITECTURAL:

A. Refer to Specification Section 05120, Structural Steel (Re-Issued)
   1. Refer to Spec 05120

SEC 2 - MECHANICAL:

A. None Issued

SEC 3 - ELECTRICAL:

A. None Issued

CHANGES TO DRAWINGS:

SEC 4 - ARCHITECTURAL:

A. Refer to Sheet A-501, Existing First Floor Exterior Elevations Demo & New Work (Re-Issued)
   1. Refer to Elevations 3, 4, 7 & 8
      a. Revised: Column bubbles to coordinate with floor plans as clouded.

B. Refer to Sheet A-601, Existing First Floor Exterior Elevations Demo & New Work (Re-Issued)
   1. Refer Details 2, 4, 5, 7, & 8
      a. Revised: notes to reflect requirement to provide fire rated ¾” plywood, wood blocking and 2 x wood blocking typically for all locations.

SEC 5 - STRUCTURAL

A. Refer to Sheet S-001, General Structural notes (Re-Issued)
   1. Added: Structural and Bracing notes for the temporary shoring and bracing of the existing exterior precast wall panels as clouded. This shoring is to be put in place prior to the removal of the exterior clearstory windows.

SEC 6 - MECHANICAL:

A. None Issued

SEC 7 - ELECTRICAL:

A. None Issued

END OF Addendum No 2
PART 1 - GENERAL

1.1 SUMMARY

A. This Section includes structural steel and grout.

1.2 PERFORMANCE REQUIREMENTS

A. Connections: Provide details of simple shear connections required by the Contract Documents to be selected or completed by structural-steel fabricator to withstand ASD-service LRFD loads indicated and comply with other information and restrictions indicated.


1.3 SUBMITTALS

A. Product Data: For each type of product indicated.
B. Shop Drawings: Show fabrication of structural-steel components.
C. Welding certificates.
D. Mill test reports.
E. Source quality-control test reports.

1.4 QUALITY ASSURANCE

A. Fabricator Qualifications: A qualified fabricator who participates in the AISC Quality Certification Program and is designated an AISC-Certified Plant, Category Sbd.
B. Welding: Qualify procedures and personnel according to AWS D1.1, "Structural Welding Code--Steel."
C. Comply with applicable provisions of AISC's "Code of Standard Practice for Steel Buildings and Bridges."
PART 2 - PRODUCTS

2.1 STRUCTURAL-STEEL MATERIALS

A. Channels, Angles -Shapes: ASTM A 36/A 36M.
B. Plate and Bar: ASTM A 36/A 36M.
C. Cold-Formed Hollow Structural Sections: ASTM A 500, Grade B.
D. Welding Electrodes: Comply with AWS requirements.

2.2 BOLTS, CONNECTORS, AND ANCHORS

A. High-Strength Bolts, Nuts, and Washers: ASTM A 325 (ASTM A 325M), Type 1, heavy hex steel structural bolts; ASTM A 563 (ASTM A 563M) heavy hex carbon-steel nuts; and ASTM F 436 (ASTM F 436M) hardened carbon-steel washers.
   1. Finish: Plain.
   2. Direct-Tension Indicators: ASTM F 959, Type 325 (ASTM F 959M, Type 8.8,) compressible-washer type.
      a. Finish: Plain.
B. Unheaded Anchor Rods: ASTM F 1554, Grade 36.
   2. Finish: Plain.
C. Threaded Rods: ASTM A 193/A 193M.
   1. Finish: Plain.

2.3 PRIMER

A. Primer: SSPC-Paint 25, Type II, iron oxide, zinc oxide, raw linseed oil, and alkyd.
B. Primer: Fabricator's standard lead- and chromate-free, nonasphaltic, rust-inhibiting primer.

2.4 GROUT

A. Nonmetallic, Shrinkage-Resistant Grout: ASTM C 1107, factory-packaged, nonmetallic aggregate grout, noncorrosive, nonstaining, mixed with water to consistency suitable for application and a 30-minute working time.
2.5 FABRICATION


2.6 SHOP CONNECTIONS

A. Weld Connections: Comply with AWS D1.1 for welding procedure specifications, tolerances, appearance, and quality of welds and for methods used in correcting welding work.

2.7 SHOP PRIMING

A. Shop prime steel surfaces except the following:
   1. Surfaces to be field welded.

B. Surface Preparation: Clean surfaces to be painted. Remove loose rust and mill scale and spatter, slag, or flux deposits. Prepare surfaces according to the following specifications and standards:
   1. SSPC-SP 2, "Hand Tool Cleaning."
   2. SSPC-SP 3, "Power Tool Cleaning."

C. Priming: Immediately after surface preparation, apply primer according to manufacturer's written instructions and at rate recommended by SSPC to provide a dry film thickness of not less than 1.5 mils (0.038 mm). Use priming methods that result in full coverage of joints, corners, edges, and exposed surfaces.
   1. Prime all field welded connections.

2.8 SOURCE QUALITY CONTROL

A. Owner will engage an independent testing and inspecting agency to perform shop tests and inspections and prepare test reports. Comply with testing and inspection requirements of Part 3, Article "Field Quality Control."

B. Correct deficiencies in Work that test reports and inspections indicate does not comply with the Contract Documents.
PART 3 - EXECUTION

3.1 ERECTION

A. Examination: Verify elevations of concrete- and masonry-bearing surfaces and locations of anchor rods, bearing plates, and other embedments, with steel erector present, for compliance with requirements.

1. Proceed with installation only after unsatisfactory conditions have been corrected.


1. Set base and bearing plates for structural members on wedges, shims, or setting nuts as required.
2. Weld plate washers to top of base plate.
3. Snug-tighten anchor rods after supported members have been positioned and plumbed. Do not remove wedges or shims but, if protruding, cut off flush with edge of base or bearing plate before packing with grout.
4. Promptly pack grout solidly between bearing surfaces and base or bearing plates so no voids remain. Neatly finish exposed surfaces; protect grout and allow to cure. Comply with manufacturer's written installation instructions for shrinkage-resistant grouts.

D. Maintain erection tolerances of structural steel within AISC's "Code of Standard Practice for Steel Buildings and Bridges."

3.2 FIELD CONNECTIONS

A. High-Strength Bolts: Install high-strength bolts according to RCSC's "Specification for Structural Joints Using ASTM A 325 or A 490 Bolts" for type of bolt and type of joint specified.

1. Joint Type: Snug tightened.

B. Weld Connections: Comply with AWS D1.1 for welding procedure specifications, tolerances, appearance, and quality of welds and for methods used in correcting welding work.

1. Obtain Approval for site welding of connections from Wayne State University prior to start of this work.
3.3 FIELD QUALITY CONTROL

A. Testing Agency: Owner will engage a qualified independent testing and inspecting agency to inspect field welds.

B. Bolted Connections: Shop-bolted connections will be tested and inspected according to RCSC's "Specification for Structural Joints Using ASTM A 325 or A 490 Bolts."

C. Welded Connections: Field welds will be visually inspected according to AWS D1.1.

1. In addition to visual inspection, field welds will be tested according to AWS D1.1 and the following inspection procedures, at testing agency's option:

   a. Liquid Penetrant Inspection: ASTM E 165.
   b. Magnetic Particle Inspection: ASTM E 709; performed on root pass and on finished weld. Cracks or zones of incomplete fusion or penetration will not be accepted.
   c. Ultrasonic Inspection: ASTM E 164.
   d. Radiographic Inspection: ASTM E 94.

D. Correct deficiencies in Work that test reports and inspections indicate does not comply with the Contract Documents.

END OF SECTION 05120