Illinois Department of Transportation

2300 South Dirksen Parkway / Springfield, Illinois / 62764

January 16, 2014

SUBJECT: FAU 3704 (River Road)
Project CMM-9003(064)
Section 07-00086-08-CH
Lake County
Contract No. 63875
Item 139
January 17, 2014 Letting
Addendum (A)

NOTICE TO PROSPECTIVE BIDDERS:

Due to clarify information necessary to revise the following:

1. **Revised pages 85 & 95 of the Special Provisions.**

Prime contractors must utilize the enclosed material when preparing their bid and must include any Schedule of Prices changes in their bidding proposal.

Bidders using computer-generated bids are cautioned to reflect any and all Schedule of Prices changes, if involved, into their computer programs.

Very truly yours,

John Baranzelli, P.E.
Acting Engineer of Design and Environment

By: Ted B. Walschleger, P.E.
Engineer of Project Management

multiple construction stages, are included in the ground improvement item.

(a) Potential Controlled Stiffness Column Contractors include **but are not limited to**:

   i. *Controlled Modulus Column (CMC) by Menard (Phone: 1-800-326-6015).*

   ii. *Auger Pressure Grouted Displacement Piling (APGD) by Berkel & Company Contractors, Inc. (Phone:1-913-422-3588).*

   iii. *Rigid Inclusions (RI) by Hayward Baker (Phone: 1-630-339-4300).*

(b) References. The publications listed below form a part of this specification to the extent referenced. The publications are referred to within the text by the basic designation only.

   1. 2012 IDOT Standard Specifications for Highway and Bridge Construction

   2. American Society of Testing and Materials (ASTM).

   a. ASTM D1143 / D1143M - 07e1 Standard Test Methods for Deep Foundations Under Static Axial Compressive Load.
   b. ASTM C873/C873M-10a Standard Test Method for Compressive Strength of Concrete Cylinders Cast in Place in Cylindrical Molds.

(c) Definitions.

   1. Controlled Stiffness Columns: Controlled Stiffness Columns may consist of CMC, APGD or RI. The purpose of the controlled stiffness columns is to provide ground improvement and support for highway embankment fill.

   2. Test Controlled Stiffness Column: Test Controlled Stiffness Column is a column that is installed at non-production controlled stiffness column locations. These test columns shall be installed, integrity tested, and then statically load tested ahead of the production controlled stiffness columns to allow for performance and evaluation of load tests.

   3. Load Transfer Pad: A load transfer pad will be constructed at the top of the controlled stiffness columns. The load transfer pad shall consist of compacted granular fill with layers of high strength geotextile reinforcement as designed by the Contractor. The purpose of the pad is to transfer the majority of the embankment loads to the controlled stiffness columns, thereby providing adequate support above and between the controlled stiffness columns.

(d) Subsurface Conditions.

   1. Borings completed within the limits of the project encountered varying thicknesses of cohesive clay soils, organic soils, peat, cohesionless soils, sand and sandly loam soils.

provided. A report of the test results shall be provided to the Engineer within 48 hours of test completion.

Method of Measurement. Construction of the load transfer pad will be measured for payment in place to the nearest cubic yard at the locations shown on the plans.

Basis of Payment. All costs for controlled stiffness columns ground improvement mobilizations; work platform; soil sampling and testing; shop drawings; monitoring methods; pile integrity testing; and all work to complete the controlled stiffness columns ground improvement is included in the contract lump sum price for CONTROLLED STIFFNESS COLUMNS and no additional compensation will be made for their construction.

Compacted granular fill for the embankment above the work platform shall be paid for as AGGREGATE SUBGRADE IMPROVEMENT. Should the contractor elect to use a thinner work platform than the 2.5' recommended per the plans, the difference in subgrade shall not be paid for but included in the cost of CONTROLLED STIFFNESS COLUMNS. Geotextile reinforcement fabric will not be paid for separately, but shall be considered to be included with this work.

Z0013302   SEGMENTAL CONCRETE BLOCK WALL

Description: This work shall consist of furnishing the design computations, shop plans, materials, equipment and labor to construct a Segmental Concrete Block Retaining Wall at the location in the plans per the Lake County standard detail LC2101, also included within the plans.

General: The wall shall consist of a leveling pad, pre-cast concrete blocks, select granular backfill and, if required by the design, soil reinforcement. The materials, fabrication, and construction of the wall components are subject to approval by the Engineer. The Engineer reserves the right to obtain random samples for material testing. The wall shall be designed and constructed according to the lines, grades, and dimensions shown on the contract plans and approved shop plans.

Submittals: The wall supplier shall submit design computations and shop plans to the Engineer. The shop plans shall be sealed by an Illinois Licensed Professional Engineer and shall include all details, dimensions, quantities, and cross sections necessary to construct the wall and shall include, but not be limited to, the following items:

1. Plan, elevation, and cross section sheet(s) for each wall showing the following:

    a. A plan view of the wall indicating the offsets from the construction centerline to the first course of blocks at all changes in horizontal alignment. These shall be calculated using the offsets to the front face of the block shown on the contract plans and the suppliers proposed wall batter. The plan view shall indicate bottom (and top course of block when battered), the excavation and select granular backfill limits as well as any soil reinforcing required by the design. The centerline of any drainage structure or pipe behind or passing through/under the wall shall also be shown.