TO: Prospective Bidders

FROM: Gary G. Herschell Jr. Maintenance and Transportation Coordinator
Sault Ste. Marie Area Public Schools

SUBJECT: Telescoping Bleachers at Sault Area High School Gymnasium

DATE: March 20, 2017

You are invited to submit a sealed bid for the demolition and installation of Telescoping Bleachers at Sault Area High School’s gymnasium. Bids will be received until 2:00 PM eastern daylight time on Monday, April 3, 2017 at the Sault Ste. Marie Area Public Schools Business Office 876 Marquette Avenue, Sault Ste. Marie, MI 49783. Bids will be publicly opened and read aloud at that time.

Your proposal should be based on the specifications included in this RFP and be clearly labeled “TELESCOPING BLEACHERS”. The following documents must be submitted with your proposal:

- Familial Relationship Disclosure Form
- Iran Linked Business Disclosure Form

Questions regarding the specifications should be directed to Gary G. Herschell Jr., Maintenance and Transportation Coordinator. Gary can be reached via e-mail at gherschell@eupschools.org or phone at 906-635-3825

Sault Ste. Marie Area Public Schools Board of Education (the Board) reserves the right to accept or reject any or all bids. The Board reserves the right to waive any informalities or irregularities in any or all bids and to make such award as it deems, in its sole discretion, to be in the best interest of the district.

Your bid is required to be submitted under a condition of irrevocability for a period of 60 days after submission.

Bid specifications and disclosure forms are provided below.
1. **Part 1 General**

1.1 **Work: Replacement of Sault Ste Marie High School Gymnasium Bleachers**

A. Telescoping gymnasium bleachers shown in architect’s plans and specifications as manufactured by Interkal of Kalamazoo, MI (see section 2.1 below), or as approved by the architect.

B. Demolition and removal of existing bleachers, Demo complete East side bleachers including balcony, Demo main gym bleachers on West side only. West side balcony not removed.

C. Building Permit and State of Michigan Submittals by local Architect.

D. Electrical Power to the bleachers provided by school.

1.2 **Related Work**

A. Electrical.

B. Gymnasium flooring.

1.3 **References**

A. Applicable building code. IBC 2012.

1.4 **Description of the System**

A. The bleacher system shall be comprised of multiple tiered, closed deck seating rows operating in a telescopic manner, incorporating the most economical quantity of sections while still complying with all loading requirements.

B. The first moving row shall be secured with friction or mechanical locks. Other rows shall be mechanically locked, operable only upon unlocking and cycling the first row, quantity of row locks to be determined by Interkal engineering (see section 2.1 below).

C. Each bleacher row shall be comprised of risers, seat and deck components, and a complete set of supportive columns and braces.

D. The telescopic bleacher shall incorporate a locking system permitting the use of one, several, or all rows, each locked in the extended position.
1.5 Quality Assurance

A. Qualifications

1. Manufacturing. Manufacturer shall be regularly engaged in the design and manufacturing of telescopic seating for not less than twenty years.

2. Engineering. It shall be mandatory that each bidder submit with their bid an affidavit signed by a Registered Professional Engineer stating that the product to be supplied has been tested by an independent testing facility and meets all applicable code requirements.

B. Deviations

1. It shall be the responsibility of the bidder to furnish with their bid a list clarifying any and all deviations from these specifications, written or implied, in order that a fair and proper evaluation can be made. Those bidders not submitting a list of deviations will be presumed to have bid as specified.

C. Guarantees

1. One-year guarantee. The manufacturer shall guarantee all work performed under these specifications to be free from defects for a period of one year.

D. Product Improvements

1. Seating provided shall incorporate manufacturer’s design improvements and materials current at time of shipment.

1.6 Submittals

A. Submit manufacturer’s installation instructions and descriptive.

B. Manufacturer’s operating and maintenance.

1.7 Design Criteria

A. Telescopic bleacher design and fabrication shall conform to IBC 2012 and ADA requirements.

B. Telescopic gymnasium seating shall be designed to support a vertical live load of 100 PSF. Foot and seat boards shall be designed for a 120 PLF live load and, as a separate load case, a 300 lbs concentrated load. Seating shall also be designed to carry a horizontal sway force of 24 PLF parallel to the seating and 10 PLF perpendicular to the seating.
C. Steel components shall be cold-formed from appropriate width coil conforming to A1011 SS Grade 30, ASTM A653 - Grades 33, 40 and 50, ASTM A500 - Grade B 46 KSI as applicable.

D. Lumber components are kiln dried, finger jointed, edge glued southern pine of grade “B & B Finish” manufactured to the current SPIB glued-laminated standards for southern pine.

E. Plywood deck boards shall be fabricated from Douglas Fir Premium Underlayment with exterior glue, 5 ply minimum, solid cross band directly under face ply, species Group 1 and manufactured in accordance with APA grade trademarked PS 1.

2. Part 2 Products

2.1 Manufacturer

A. Interkal, Kalamazoo, Michigan (or approved equivalent manufacturer).
B. Telescopic seating as manufactured by Interkal, Kalamazoo, Michigan, is the standard of quality required and specified herein.

2.2 Materials

A. Model CSM Contour Seat Module with 3” Waterfall Front
   1. Universal, closed deck telescopic bleacher.

B. Type
   1. Wall Attached.

C. Quantity
   1. Provide 2 banks of Wall Attached 10 rows high Balcony Access.
   2. Provide 1 bank of Wall Attached 11 rows high with 4 aisles.

D. ADA
   1. Notchouts. Provide 3'-0 1/4" wide wheel chair spaces as shown on the plans and as required to meet local code jurisdiction compliance with ADA. Notchouts to be 1 row deep.
E. Dimensions

1. Rise per row. 11.5 Balcony Access, 10.25.

2. Row to row spacing. 22.

F. Propulsion

1. Friction Power. Furnish Interkal friction power, integral automatic electro-mechanical propulsion system to open and close telescopic seating system. Operation shall assure full visual control of the seating bank. The Wide Track System incorporates two friction drive roller assemblies as an integral part of both first row vertical column assemblies. Each section of bleacher shall have a power system that shall consist of two vertical column roller assemblies which shall include two 6” diameter by 2 ½” wide cast drive wheels for a minimum of four friction roller contact points per section of bleacher. Each roller shall have a specially formulated 45-durometer rubber covering to grip the floor as the units roll in and out. The two friction drive roller assemblies shall be installed a minimum of 7’ apart per section. The two friction roller assemblies are linked together by a continuous drive shaft driven by a 1/2 H.P. 208 volt 3-phase motor that shall enable the rollers to work simultaneously, resulting in a more efficient operation with allowance for minor variations in the floor surface. All floor friction power systems shall be controlled by a dual directional, removable walk along pendant which plugs into the front of the first row to give the operator proper position for visual control. The pendant control voltage shall be 24 VAC @ less than 50 mA for the safety of all operating personnel. The entire power system shall be U.L. Recognized. A 208 volt 3-phase power source, including conduit, wiring, and safety disconnect must be provided by others. The electrical contractor shall perform the connections to the seating equipment at the safety disconnect. Motors, housing, and wiring shall be installed by certified personnel.

2.3 Accessories

A. Foot Level Aisles

1. Provide footrest level aisles at locations and sizes as shown on plans and approved shop drawings.

2. Center Aisle. Provide a permanently attached self-storing aisle rail which is designed to eliminate all labor associated with set up and storage of the aisle rails.
3. **Intermediate Steps.** Provide manufacturers’ standard intermediate step as necessary per applicable code.

**B. Wheelchair Seating**

1. **Recoverable Notchouts.** Provide manufacturers’ standard recoverable handicap notchouts (3’-0 1/4” wide) located as shown on architectural drawings. Notchouts to be 1 row deep. Operation of the notchout from either mode shall be accomplished by activating a single pull rod located in the front kickboard. The locking linkage shall engage a continuous locking angle and lock the notchout in either recovered or handicap mode. Recoverable seating utilizing cables or any requirement for tools to change modes will not be acceptable.

**C. Self-Storing End Rails**

1. Provide steel self-storing 42” high self-storing end guard rails with tubular supports and vertical intermediate members to comply with all code requirements. Rails shall be fitted to each exposed bank end from third row and above with all steel to steel connections. Finish shall be a black polyester powder coat.

**D. Operation Controller (pendant switch)**

1. Provide 3 of the manufacturers’ standard pendant controls plugged into a receptacle for extension and retraction. The receptacles shall be mounted behind the first row kickboard.

**E. Vinyl Curtain**

1. Provide 6 of the manufacturers’ standard vinyl end curtains to close off under the bleacher units in the extended position. Curtain color is to be from standard swatch colors.

**2.4 Fabrication**

**A. Continuous Wheel Channel**

1. Wheel channels shall consist of a one piece formed steel channel welded to the base of a vertical column. Wheel channels accommodate 8 to 12 wheels per row for maximum weight distribution and operating ease. The number of wheels increases as the number of rows increase.
B. Wheels

1. 3-1/2” diameter with 1-1/8” non-marring soft rubber face with rounded edges designed to protect wood or synthetic floor. Provide 1/2” diameter axle for all wheels.

C. Columns

1. Electrically welded closed rectangular steel tube, 2” x 3” minimum size, fitted with a rear welded gusset at the wheel channel.

D. Row Interlocks

1. Join each row structure front to rear by means of two (2) interacting steel connections, plus automatic gravity row locks where Engineering determines they are required.

2. Lower track guides shall be an external superslide rod to guarantee positive engagement of vertical supports without binding and assures smooth operation over uneven floor conditions. Superslide shall be mounted to the side of the wheel channels to limit the possibility of damage.

3. Upper track guides shall completely interlock adjacent understructure support. A welded stop to ensure correct extension of bleacher unit on deck support. Use of bolt and nut stops is not acceptable, due to risk of loosening.

E. Diagonal Braces

1. Structural formed steel truss fitted to rows 4 and beyond. Bracing shall be attached to the rear riser at optimum locations to insure structural integrity. Bracing shall be designed and shaped to support a minimum load of 1000 lbs of both compression and tension forces created when the bleacher is loaded.

F. Deck Supports

1. Shall be of structural steel, 11 gauge spaced not greater than 60” on center for maximum deck stiffness. Every deck support not attached to a vertical post shall have an integral nylon roller to avoid steel to steel friction points for more efficient operation.
G. Decking

1. All deck boards shall consist of 19/32” nominal Douglas Fir C-C grade plywood with exterior glue and solid cross bands. Tongue and Groove deck boards are unacceptable. An extruded aluminum “H” connector shall be placed between plywood panels. Exposed wear surfaces shall be finished with a layer of high Density polyethylene plastic .025 - .030 thick, Light Gray in color, complimentary to the seat option. Deck finishes, such as clear coat, requiring more than simple touch up to restore it to a new appearance after wear occurs are unacceptable.

H. Welds

1. All welds shall be made at the factory by welders that are qualified in accordance with AWS D1.3 for the equipment and process used.

I. Nose Beam

1. Shall be one-piece 13-gauge galvanized steel. 13-gauge steel is utilized for the necessary structural integrity to accommodate section lengths up to 26’.

J. Rear Riser

1. Shall be one piece formed 14-gauge, grade 40, galvanized steel, with a continuous access joint to fully encapsulate footrest panel for ease of cleaning and additional structural support. 14-gauge roll formed steel is utilized for the necessary structural integrity to accommodate section lengths up to 26’.

K. Splice Plates

1. Each section joint shall be tied together with two structural steel members per row, employing a minimum of four steel to steel through bolt connections at the nose beam and a minimum of eight steel to steel through bolt connections at the lower steel rear riser. Gauge of splice plates to match the gauge of the nose beam and rear riser. Splice plates employing steel to plywood deck board attachments will not be acceptable. In order to minimize deflections and keep rows in alignment during operation, splice connections shall transfer both axial loads (tension/compression) and bending.

L. Fasteners

1. All structural connections shall be made with S.A.E. grade 5 or better stress rated bolts. The use of self-tapping bolts is not acceptable.
M. Platform Finish

1. Steel Understructure abraded, cleaned and finished with russet brown water base acrylic paint.

2.5 Seat Options

A. Contour Seat Modules

1. 18” wide one-piece individual seating modules shall be constructed of high-density polyethylene. Provide in 10 depth.

2. Each module shall have a full ½” interlock to the adjacent module to eliminate pinching hazards and assure proper alignment.

3. A steel-to-steel attachment of each module to a minimum 13 gauge galvanized steel nose beam shall be provided for maximum rigidity. All such mounting hardware shall be concealed.

4. End caps shall be provided at the ends of each bank (section, if manual) of seating as well as at each aisle.

5. Each module shall have a centered recessed area for optional seat numbering.

6. Seat Height shall be a minimum of 17”.

7. Modules shall be sloped at front and contoured at rear for maximum leg room and additional patron comfort.

8. Select from manufacturer’s 15 standard solid colors.

3. Part 3 Execution

3.1 Inspection

A. Areas to receive seating must be free from impediments interfering with installation.

B. Installation shall not begin until building conditions are satisfactory.
3.2 Installation

A. All seating shall be installed in accordance with manufacturer’s instructions and approved submittal drawings.

B. All seating shall be adjusted for smooth and proper operation.

C. Clean seating and remove all debris resulting from installation.
## Sault Ste Marie High School

<table>
<thead>
<tr>
<th>QTY</th>
<th>DESCRIPTION</th>
<th>SEATS</th>
<th>RISE</th>
<th>SPAN</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bank #1</td>
<td>10 Row Friction Power Wall Attached 44'-8&quot; W/ 10&quot; Universal Contoured Seat Module -00 TBE</td>
<td>228</td>
<td>11.5</td>
<td>22</td>
</tr>
<tr>
<td>2</td>
<td>10 Row Foot Level Aisles W/ Self-Storing F-Rail</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Balcony Access</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>10 Row Intermediate Steps</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>1 Row Recoverable 3'-0 1/4&quot; Notchout</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>10 Row Self-Storing End Rails</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>Vinyl End Curtains LH</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>Vinyl End Curtains RH</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

| Bank #2 | 10 Row Friction Power Wall Attached 44'-8" W/ 10" Universal Contoured Seat Module -00 TBE | 228   | 11.5 | 22   |
| 2    | 10 Row Foot Level Aisles W/ Self-Storing F-Rail            |       |      |      |
| 2    | Balcony Access                                             |       |      |      |
| 2    | 10 Row Intermediate Steps                                  |       |      |      |
| 4    | 1 Row Recoverable 3'-0 1/4" Notchout                       |       |      |      |
| 2    | 10 Row Self-Storing End Rails                              |       |      |      |
| 3    | Operation Controller (pendant switch)                      |       |      |      |
| 1    | Vinyl End Curtains LH                                       |       |      |      |
| 1    | Vinyl End Curtains RH                                       |       |      |      |

| Bank #3 | 11 Row Friction Power Wall Attached 88'-6" W/ 10" Universal Contoured Seat Module -00 TBE | 527   | 10.25| 22   |
| 4    | 11 Row Foot Level Aisles W/ Self-Storing F-Rail            |       |      |      |
| 4    | 11 Row Intermediate Steps                                  |       |      |      |
| 4    | 1 Row Recoverable 3'-0 1/4" Notchout                       |       |      |      |
| 2    | 11 Row Self-Storing End Rails                              |       |      |      |

**NOTES:**

**TOTAL SEATS**

983
POWER REQUIREMENTS:
1. Wiring and non-fusable safety switch(es) suitable for the line voltage to be provided by electrical contractor or others with branch circuit protection to each not exceeding 15 amps.
2. Branch circuit protection devices by others to be accessible when platforms are closed.
3. Verify electrical information:
   Circuit 3 Phase, 220-230 Volts, 60 Hertz.
   Each 1/2 Horse Power Meter Draw 3.0-2.2 amps. Full Load.
   Meters run simultaneously.
4. Junction box(es) by electrical contractor to be mounted at locations TBD. 0' AFF.
   Typical location shall be at seismic joints.

Sault Ste Marie High School
Bank 1 - 44'-0" Friction Power
Building Code: IBC 2012
4'-0" Clear Dimension
10 Row - 22 Span - 11.5 Rise
228 seats (CM10)
Sault Ste Marie High School

Bank 2 - 4'6" Friction Power
Building Code: IBC 2012
10 Row - 22 Span - 11.5 Rise - Wall Attached
228 seats (CM10)
4'-9 5/16" Court To Step Dimension
4'-6 5/16" Court To First Row Dimension

"FLOOR IS WOOD FLOATING"

"WALL IS BLOCK"

"Balcony HT."
1. Wiring and non-fuseable safety switches suitable for the line voltage to be provided by electrical contractor or others with branch circuit protection to each not exceeding 15 amps.

2. Branch circuit protection devices by others to be accessible when platforms are closed.

3. Verify electrical information:
   - Circuit 2 Phase, 208-230 Volts, 60 Hertz.
   - Each 1/2 Horse Power Motor 145-180 Volts, 60 Hertz.
   - Motors run simultaneously.

4. Junction boxes to be mounted in locations 180, 5' apart.

   Typical location shall be at section joints.

---

Bank 1 - 88'-6" Friction Power
Building Color 18E 2835
9'-2" Clear Dimension
11 Row - 22' Span - 10'-25" Rise
557 seats (CALD)
Sault Ste Marie High School

Bank 3 - 89'-6" Friction Power
Building Code: IBC 2012
11 Row - 22 Span - 10.25 Rise - Wall Attached
627 seats (CM110)

3'-4 5/16" Court To Step Dimension
3'-10 5/16" Court To First Row Dimension

20'-0 3/4"
20'-5 3/4"

3'-6 3/4"
9'-10 3/4"
6'-4 5/8"
8'-4 15/16"
0'-5 3/4"

"FLOOR IS WOOD FLOATING"

"WALL IS BLOCK"

"Side Elevation View"

Telescoping Bleacher RFP
FAMILIAL RELATIONSHIP DISCLOSURE
AFFIDAVIT OF BIDDER

Pursuant to MCL 380.1267, a sworn and notarized statement disclosing any familial relationships that exists between the owner or any employee of the bidder and any member of the Sault Ste. Marie Area Public Schools Board of Education or the Sault Ste. Marie Area Public School Superintendent must be accompanied with the bid. **Bids without this disclosure statement will not be accepted.**

The members of the Sault Ste. Marie Area Public Schools Board of Education are: Daniel L. Smith, Kenneth D. Dunton, Jr., Martin R. Wolski, Melissa S. Pingatore, Tracey E. Holt, Joseph A. Cochran, Christine M. Curtis

The Sault Ste. Marie Area Public Schools Superintendent is: Dr. Timothy D. Hall

☐ The following are the familial relationships:

________________________________________________________________________
________________________________________________________________________
________________________________________________________________________

☐ There are none.

STATE OF ____________________) ss
COUNTY OF ____________________) ss

The undersigned, authorized representative of bidder ________________________________ does hereby acknowledge that bidder has read the foregoing disclosure statement and the statements herein contained are true.

____________________________
Signature of Bidder Representative

____________________________
Print Name

____________________________
Title

Subscribed and sworn to before me this _____ day of ________________, ______.

____________________________
Notary Public, _________ County of _________
My commission expires: _____/_____/___________
IRAN ECONOMIC SANCTIONS ACT
AFFIDAVIT OF COMPLIANCE

The undersigned, the owner or authorized officer of the below named contractor (the “Contractor”), pursuant to the compliance certification requirement provided in the Sault Ste. Marie Area Public School’s (the “School District”) Invitation to Bid for “Off-Site Fueling System Options”, hereby certifies, represents and warrants that the Contractor (including its officers, directors, and employees) is not an “Iran linked business” within the meaning of the Iran Economics Sanction Act, Michigan Public Act No. 517 of 2012 (the “Act”), and that in the event Contractor is awarded a contract as a result of the aforementioned Invitation to Bid, the Contractor will not become an “Iran linked business” at any time during the course of performing the Work or any services under the contract.

The Contractor further acknowledges that any person who is found to have submitted a false certification is responsible for all civil penalty of not more than $250,000.00 or 2 times the amount of the contract or proposed contract for which the false certification was made, whichever is greater, the cost of the School District’s investigation, and reasonable attorney fees, in addition to the fine. Moreover, any person who submitted a false certification shall be ineligible to bid on a request for proposal for three (3) years from the date that is determined that the person submitted the false certification.

____________________________________
Name of Contractor

Signature: ____________________________
Print: _______________________________
Title: ______________________________
Date: ______________________________

STATE OF _______________) ss.
COUNT OF ______________)

Subscribed and sworn to before me this ________ day of ____________, _________.

__________________________________________________
Notary Public, ____________ County, _______
My commission expires: ___/ ___/ _________
Acting in the County of: _______

Telescoping Bleacher RFP