SAU #44 and the Northwood School District

REQUEST FOR PROPOSAL ("RFP")

RFP NORT 06-2024

INSTALL SAFETY AND SECURITY FILM AT NORTHWOOD SCHOOL

Request for Proposals (RFP)

SAU #44- Northwood School District (herein referred to as the "District") request proposals from qualified contractors (herein referred to as the "Contractor") to provide all labor, materials, equipment, and services required to provide **Installation of Safety and Security Film** at Northwood School, 511 First New Hampshire Turnpike, Northwood, NH 03261.

General Conditions

1. The successful bidder will be the only Contractor permitted to provide services and products to the district as defined in this RFP.

2. In order to bid on this project you will need to schedule a walk through to determine the scope of the project. Please contact Bob Ballou at the school to schedule the walkthrough, (603) 942-5488.

3. Bidder shall provide a list of at least three Districts or organizations they have provided similar services and products in the last three (3) years. The list will include the name of the district or organization, contact person, and phone number.

4. Each bidder must list any legal proceedings, disciplinary actions, administrative proceedings, arbitration, or mediation pending against them or any such proceedings that have been resolved in the last five (5) years.

5. The SAU and the District shall have the right to declare the Contractor in default if (a) the Contractor becomes insolvent; (b) the Contractor makes an assignment for the benefit of creditors; (c) a voluntary or involuntary petition of bankruptcy is filed by or against the Contractor; or (d) the Contractor is unable to provide evidence of required insurance coverage as set forth below. If the Contractor is declared in default for any reason, the district shall have the right to terminate the contract. In the event of a contractual termination, the district reserves the right to employ another Contractor to complete the term of this agreement. The original Contractor shall be responsible for any extra or additional expense or damages suffered by the district. In that event, the Contractor will be required to indemnify the district for any loss that may be sustained. The termination of the

contract by the district will be without cost or penalty to the District. The district shall only be liable to pay the Contractor for the amounts due to the Contractor as of the date of the breach.

6. The Contractor agrees to be in full compliance at all times with all laws, rules, and regulations of the United States, State of New Hampshire, local authorities and the SAU and District, including insurance requirements, and shall carry all such insurance. The said insurance will protect the district, its officers and employees, from any claims and demands, actions and causes of actions, damages, and costs, loss of service, expenses and compensation.

7. The Contractor agrees to maintain and pay for all Unemployment and Workers' Compensation insurance as may be required by both Federal and State of New Hampshire laws on all his/her employees engaged in the performance of the terms of the contract. Copies of said insurance policies shall be filed with the SAU Business Administrator prior to inception of services under this contract Agreement.

8. Liability Coverage: During the term of the contract the Contractor shall maintain general liability coverage in an amount not less than $3,000,000 and commercial vehicle liability coverage for bodily injury and property damage in the amount not less than $3,000,000 combined single occurrence limit, and workers' compensation coverage as required by federal and state statute. Certificates of insurance naming SAU #44- Northwood School District as additionally insured entities must be filed with the SAU Business Administrator within two (2) weeks of the award for services. The Insurance Certificate shall provide that no less than thirty (30) days prior written notice of insurance cancellation or material change in coverage shall be afforded to the district.

9. Indemnification: The Contractor shall defend, hold harmless, and indemnify to the maximum extent provided by law, SAU #44 the District, the SAU and District School Board, their officers, agents, employees from and against any and all claims, suits or demands for injuries or damages of any kind to any person or firm, in any way arising out of the performance of the contract whether such operations be performed by the Contractor itself, or anyone directly or indirectly employed by it or any other person or company retained in any way by it to carry on all or a portion of the operations necessary to abide by the terms of this contract and regardless of whether the instrumentality causing such personal injury, death, property damage, or other loss is owned in whole or in part by the Contractor.

10. Contract Documents: The contract documents shall consist of the RFP, any questions and written explanations or clarifications of the RFP provided, all documents submitted by the Contractor in satisfying this request, and signed contractual agreements executed in a form approved by the District.

11. No escalation clause: The contract will not include any escalation clause for increased costs due to fuel, repair, maintenance, replacement, employee compensation or benefits, or environmental charges.

<u>Requirements and Specifications</u>

The district is seeking proposals to **INSTALL SAFETY AND SECURITY FILM AT THE NORTHWOOD SCHOOL** to include:

1) Provide a proposal to include the costs for the work needed to supply and install the safety and security film at the main entrance areas of the Northwood School with the following Specifications;
2) Life expectancy of the work and any recommendations to assist the School Board with decisions.

3) SPECIFICATIONS:

PART 1 GENERAL

1.1 SECTION INCLUDES

A. Safety and Security film field applied to existing glass.
B. Safety and Security film factory applied to glazed surfaces.

1.2 REFERENCES

A. LBNL WINDOW SOFTWARE - A computer program for calculating total window thermal performance indices (i.e. U-values, solar heat gain coefficients, and visible transmittances).
B. NFRC 100/200 - Standard Methods of Test for Solar Absorbance, Reflectance and Transmittance of Materials Using Integrating Spheres.
C. ASTM E 903 - Standard Methods of Test for Solar Absorbance, Reflectance and Transmittance of Materials Using Integrating Spheres.
D. ASTM D882 - Standard Test Method for Tensile Properties of Thin Plastic Sheeting.
E. ASTM D4830 - Standard Test Methods for Characterizing Thermoplastic Fabrics Used in Roofing and Waterproofing.
F. ASTM D1004 - Standard Test Method for Tear Resistance (Graves Tear) of Plastic Film and Sheeting.
G. ASTM D1044 - Standard Method of Test for Resistance of Transparent Plastics to Surface Abrasion (Taber Abrader Test).
H. ASTM D1003 - Standard Test Method for Haze and Luminous Transmittance of Transparent Plastics
I. ASTM E 84 - Standard Method of Test for Surface Burning Characteristics of Building Materials.
J. ANSI Z97.1 - American National Standard for Safety Glazing Materials Used in Buildings - Safety Performance Specifications and Methods of Test.
K. Consumer Products Safety Commission (CFR): 16 CFR, Part 1201 - Safety Standard for Architectural Glazing Materials.
L. United States General Services Administration (GSA): GSA-TS01-2003 - Standard Test for Glazing and Glazing Systems Subject to Airblast Loadings.
M. International Standards Organization (ISO): ISO 16933, International Standard for Glass in Building: Explosion-resistant security glazing - Test and classification for arena air-blast testing.
N. ASTM E1886 - Standard Test Method for Performance of Exterior Windows, Curtain Walls, Doors, and Impact Protective Systems Impacted by Missile(s) and Exposed to Cyclic Pressure Differentials.
O. ASTM E1996 - Standard Specification for Performance of Exterior Windows, Curtain Walls, Doors and Impact Protective Systems Impacted by Windborne Debris in Hurricanes.

1.3 PERFORMANCE REQUIREMENTS

A. Safety Glazing Impact Performance:
    1. Meets ANSI Z97.1 Class A and 16 CFR 1201 Category II 400 ft-lbs impact resistance
    2. Meets ANSI Z97.1 Class B and 16 CFR 1201 Category I 150 ft-lbs impact resistance
    3. Meets accelerated weathering requirements in accordance with ANSI Z97.1

B. Blast Mitigation Performance: Independent test results when tested in accordance with GSA TS01-2003, ISO 16933, ASTM F1642 and UFC 4-010-01
    1. GSA TS-01-2003, GSA Performance Condition with a minimum blast pressure of 4 psi-28 psi-msec when applied with GE SCS2000 Silpruf on 1/4 inch (6 mm) single pane tempered glass: 2.
    2. GSA TS-01-2003, GSA Performance Condition with a minimum blast pressure of 4

psi-28 psi-msec when applied with GE SCS2000 Silpruf on 1/4 inch (6 mm) double pane annealed glass: 2.

3. GSA TS-01-2003, GSA Performance Condition with a minimum blast pressure of 4 psi-28 psi-msec when applied with Dow Corning 995 on 1/4 inch (6 mm) single pane annealed glass: 3A.
4. GSA TS-01-2003, GSA Performance Condition with a minimum blast pressure of 4 psi-28 psi-msec when applied as a daylight application on 1/4 inch (6 mm) single pane annealed glass: 3B.
5. GSA TS-01-2003, GSA Performance Condition with a minimum blast pressure of 4 psi-28 psi-msec when applied as a daylight application on 1/4 inch (6 mm) single pane tempered glass: 3B.
6. ISO 16933 Hazard Rating with a minimum blast pressure of 7 psi-36 psi-msec when applied with GE SCS2000 Silpruf on 1/4 inch (6 mm) double pane tempered glass: "Hazard Rating B (EXV33(B))" .
7. ISO 16933 Hazard Rating with a minimum blast pressure of 7 psi-36 psi-msec when applied with GE SCS2000 Silpruf on 1/4 inch (6 mm) double pane annealed glass: "Hazard Rating C (EXV33(C))".
8. ISO 16933 Hazard Rating with a minimum blast pressure of 7 psi-36 psi-msec when applied with SikaSil® SG20 on 1/4 inch (6 mm) single pane tempered glass: "Hazard Rating C (EXV33(C))".
9. ISO 16933 Hazard Rating with a minimum blast pressure of 7 psi-36 psi-msec when applied with an aluminum mechanical attachment on 1/4 inch (6 mm) double pane annealed glass: "Hazard Rating C (EXV33(C))".
10. ASTM F 1642 Hazard Level with a minimum blast pressure of 4 psi-28 psi-msec when applied with GE SCS2000 Silpruf on 1/4 inch (6 mm) double pane annealed glass: "No Hazard".
11. ASTM F 1642 Hazard Level with a minimum blast pressure of 7 psi-36 psi-msec when applied with GE SCS2000 Silpruf on 1/4 inch (6 mm) double pane tempered glass: "No Hazard".
12. UFC 4-010-01 Protection Level with a minimum blast pressure of 4 psi-28 psi-msec when applied with GE SCS2000 Silpruf on 1/4 inch (6 mm) double pane annealed glass: "High Level of Protection".
13. UFC 4-010-01 Protection Level with a minimum blast pressure of 7 psi-36 psi-msec when applied with GE SCS2000 Silpruf on 1/4 inch (6 mm) double pane tempered glass: "High Level of Protection".

C. Windborne Debris Impact and Pressure Cycling Performance:
Meets the requirements of ASTM E1996 for Large Missile Level "C" (4.5 lbs.) and withstands subsequent pressure cycling (per ASTM E1996 and ASTM E1886) at +/- 50 psf Design Pressure tested on 3/16 inch (4.7 mm) tempered glass with an applied wet glaze attachment system

D. Flammability: Meets surface burning characteristics in accordance with ASTM E-84 Class A
   1. Flame Spread Index = < 25
   2. Smoke Development Index = < 450

E. Volatile Organic Compound Content:
   1. Compliant with the performance standard established for low-emitting materials under the CDPH, the Collaborative for High Performance Schools (CHPS) and the LEED v4 programs.

1.4 SUBMITTALS

A. Product Data: Manufacturer's data sheets on each product to be used, including:
   1. Independent accredited testing agency reports showing compliance with specified

tests in section 1.3.
2. Preparation instructions and recommendations.
3. Storage and handling requirements and recommendations.
4. Installation methods.

C. Manufacturer's Certificates: Certify products meet or exceed specified requirements.
D. Manufacturer's warranty information.

1.5 QUALITY ASSURANCE

A. Manufacturer Qualifications: Products specified shall be a standard product of a manufacturer regularly engaged in the manufacturing and distribution of such products for a minimum of 10 years.
   1. Provide a Quality Management certificate stating the manufacturing facility's location conformance with ISO 9001
   2. Provide an Environmental Management certificate stating the manufacturing facility's location conformance with ISO 14001

1.6 DELIVERY, STORAGE, AND HANDLING

A. Store products indoors in manufacturer's unopened packaging until ready for installation.
B. Dispose of any hazardous materials, and materials contaminated by hazardous materials, in accordance with requirements of local authorities.

1.7 PROJECT CONDITIONS

A. Maintain environmental conditions (temperature, humidity, and ventilation) within limits recommended by manufacturer for optimum results. Do not install products under environmental conditions outside manufacturer's absolute limits.

1.8 WARRANTY

A. Provide film manufacturer's limited warranty against failure of film, including change of color, peeling, bubbling, rippling, cracking, delamination and demetallization; includes cost of material and labor for removal and reinstallation. Duration of warranty shall be as follows:
   1. Twelve (12) Year Limited Warranty for the following safety and security film products

PART 2 PRODUCTS

2.1 MANUFACTURERS

A. Acceptable Manufacturers: Solar Gard® or **similar**
B. Requests for substitutions will be considered in accordance with provisions of Section 01 60 00.

2.2 SAFETY AND SECURITY FILM

A. Solar Gard Armorcoat or **similar** 8-mil (200 micron) Optically clear safety film with pressure sensitive adhesive and abrasive resistant coating shall have the following nominal properties when applied to 1/4 inch (6 mm) clear glass
   1. Film Performance Results, Nominal
      a. Film Color: Clear or other color as agreed upon
      b. Visible Light Transmittance: 88 percent
      c. Visible Light Reflectance: (Exterior) 9 percent
      d. Visible Light Reflectance: (Interior) 9 percent
      e. Total Solar Energy Rejected: 21 percent
      f. Solar Heat Gain Coefficient: .79
      g. U-Factor Btu/h-ft² F (Winter): 1.04
      h. Solar Transmittance: 73 percent
      i. Solar Absorptance: 19 percent

j. Solar Reflectance: 8 percent
k. Ultraviolet Light Blocked (300-380 nanometers): > 99 percent
l. UV Tdw-ISO @ 300 to 700 nm: 63 percent

2. Film Performance Results when applied to 1/4 inch (6 mm) clear insulated glass (Nominal)
   a. Film color: Clear or other color as agreed upon
   b. Visible Light Transmittance: 79 percent
   c. Visible Light Reflectance: (Exterior) 16 percent
   d. Visible Light Reflectance: (Interior) 16 percent
   e. Total Solar Energy Rejected: 31 percent
   f. Solar Heat Gain Coefficient: .69
   g. U-Factor Btu/h-ft² F (Winter): .48
   h. Solar Transmittance: 58 percent
   i. Solar Absorptance: 30 percent
   j. Solar Reflectance: 12 percent
   k. Ultraviolet Light Blocked (300-380 nanometers): > 99 percent
   l. UV Tdw-ISO @ 300 to 700 nm: 56 percent

PART 3 EXECUTION

3.1 EXAMINATION

A. If the substrate preparation is the responsibility of another installer, notify the Project Leader of unsatisfactory preparation before proceeding.
B. Glass surfaces should be inspected for defects including scratches or defects which will affect the final appearance.
C. Do not begin installation until substrates have been properly prepared.
D. If substrate preparation is the responsibility of another installer, notify Project Leader of unsatisfactory preparation before proceeding.
E. If the application of a wet glaze attachment system is required, verify that the window film installation has met the manufacturers recommended guidelines and has passed visual inspection by the Project Leader.

1. An adhesion test may be conducted to the frame surface to verify compatibility. Adhesion test typically involves the application of a 1-inch-wide by 6-inch-length bead. Bead is allowed to cure for a minimum 7 days. The applied bead is removed at a 90-degree angle. The result should be cohesive failure meaning a portion of the product remains on the surface. If adhesion fails, seek the advice of the manufacturer.

3.2 PREPARATION

A. Clean surfaces thoroughly prior to installation.
B. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.
C. If the application of a wet glaze attachment system is required, refer to manufacturers instruction for surface preparation.

3.3 FILM INSTALLATION

A. Install in accordance with manufacturer's instructions. Installation must be accomplished by a recognized professional installer of film for solar control or safety and security purposes. Completed work must meet IWFA visual acceptance standard.
B. Install without bubbles, ripples, drips, dirt, cuts, tears or gaps between film and frame.
C. Clean newly installed film and window frames after installation.
D. Clean up cleaning solutions, run-off cleaning water and adhesive mounting solution.

3.4 WET GLAZE INSTALLATION

A. The wet glaze attachment system shall be applied according to the guidelines of the

Manufacturer by an Authorized Dealer/Applicator. For guidance on the installation of wet glaze attachments, please review Solar Gard tech bulletin document PDF0258.

B. For blast mitigation purposes, a minimum 1/2-inch overlap on film and frame (excluding glazing stops) or 3/8-inch depth at bead center.
C. For impact resistance or glass retention purposes, a minimum 3/8-inch overlap on film and frame (excluding glazing stops) or 1/4-inch depth at bead center.
D. Open cell backer rod may be used to fill the void when gaskets are removed. Alternatively, existing gaskets may be cut back with Project Leader approval. For this application, it is recommended to perform a compatibility test with the wet glaze. This can be requested through the manufacture of the wet glaze product.
E. In some instances, the area to be wet glazed may be masked and a tooling knife used to smooth the applied bead to required size. To maximize bead depth, the applied bead should have a triangular profile shape. A concave shape bead may be acceptable with proper bead depth at center based on requirements. All tapes used to mask the area should be removed within the working time of the sealant outlined in the product data sheet.

3.5 PROTECTION

A. Protect installed products until completion of project.
B. Where installed film could be damaged by subsequent construction provide tape warning strips or barricades to prevent contact.

General Information:

A. Guidelines for Prospective Vendors: The Northwood School District shall award only responsible Vendors. At a minimum to qualify as responsible, a prospective Vendor must provide to the Northwood School District proof that they meet the following standard requirements related to this request for proposal:

1. Have adequate financial resources for the performance or have the ability to obtain such resources as required during the performance.

2. Have the necessary experience, organization, technical qualifications, skills and facilities.

3. Be able to comply with the proposed or required schedules.

4. Have a satisfactory record of performance.

B. Limitations: This invitation to bid does not commit the Northwood School District to award a contract, pay any costs incurred in the preparation of a proposal in response to this request, procure or contract for services or supplies. The Northwood School District reserves the right to accept or reject any or all proposals received as a result of this request, or to cancel in part or in its entirety, this request for proposal if it is in the best interest of the Northwood School District to do so.

C. Proposal Signature: Proposals submitted by the bidder shall be signed by an official authorized to bind the firm and shall contain a notarized statement to the effects that the proposal is a firm offer for a thirty-day (30) period. The following information must be submitted with the proposal: Name, title, address and telephone numbers of individuals with authority to contractually bind the company, and the name and telephone number of the contact person for clarification of submitted bid information.

D. Contract Award: The Northwood School District may award a contract based on bids received. Accordingly, each offer that the bidder can submit to the district should be submitted on the most favorable terms from a price and technical standpoint. However, the School District reserves the right to request additional data, discussions or written presentations in support of any bid documents. A contract

will only be awarded if all provisions in the request for proposal have been met in the submitted bid documents.

E. Proposal Submission: In order to be considered responsive, proposals must be accompanied by all required certifications and representations and must be submitted electronically to Christine Blouin, Business Administrator, email address: cblouin@nhsau44.org and a copy to Nate Byrne, Superintendent, email address: nbyrne@nhsau44.org.

F. Further Information: Vendors interested in making a submittal are directed not to make personal contact with the Superintendent or any member of SAU #44- Northwood School Board Members or employees or agents from the Northwood School District. Any contact will constitute grounds for disqualification of consideration.

G. Termination of Contract for Cause: If, through any cause, the Vendor shall fail to furnish in a timely and proper manner, its obligations under this contract, or if the Vendor shall violate any of the covenants, agreements or stipulations of this contract, the School District shall thereupon have the right to terminate this contract by giving written notice to the Vendor of such termination and specifying the effective date thereof at least three (3) days before the effective date of such termination.

H. Copies of this RFP are available on the SAU website at www.sau44.org; by contacting the SAU, Monday through Friday from 8:00 AM to 3:30 PM at (603) 942-1290.

I. SAU #44 is committed to prohibiting discrimination in employment on the basis of race, color, sex, age, religion, national origin, citizenship, height, weight, marital status, or handicap.

J. The Contractor as required by law shall not discriminate against any employee or applicant for employment with them with respect to hire, tenure, terms, conditional or privileges of employment, or a matter directly relating to employment, because of race, color, religion, national origin, age, sex disability K.that is unrelated to the individual's ability to perform the duties of a particular job or position, height, weight, or marital status, Breach of this covenant may be regards as a material breach of any resultant contract.

L. Proposal Submission: Proposals shall include the total cost for the project per the specifications provided. The proposal must be submitted electronically to Christine Blouin, Business Administrator, email address: cblouin@nhsau44.org and a copy to Nate Byrne, Superintendent, email address: nbyrne@nhsau44.org. with the name, address, contact person, phone number and EMAIL address for the contractor responsible for the proposal. Please include **RFP NORT 06-2024– INSTALL SAFETY AND SECURITY FILM** in the subject line.

Proposals must be received by **2:00 pm on June 18, 2024** at the SAU #44 office to be eligible for consideration by the District.

SAU #44- Northwood School District

REQUEST FOR PROPOSAL ("RFP")
RFP NORT 06-2024 INSTALL SAFETY AND SECURITY FILM

(This form becomes Schedule A upon signature of a contract)

The undersigned agrees to provide the services as described in the Specifications to complete the INSTALL SAFETY AND SECURITY FILM AT THE NORTHWOOD SCHOOL:

Total Cost Price $_____

Exclusions and additions:
[ ] Detailed in bid proposal [ ]

As defined below

_____

_____

_____

Name of Company_____

Town: _____State: _____Zip Code: _____

Authorized Company Representative: _____

Signature: _____ Date: _____