



LAKE HAVASU CITY, ARIZONA
ADMINISTRATIVE SERVICES DEPARTMENT
♦ PROCUREMENT ♦

**INVITATION TO BID
NEW LABORATORY BUILDING
PROJECT NO. B25-PW-107032-500638
ADDENDUM NO. 5
MAY 28, 2025**

Attention is called to the following changes, additions, clarifications and/or deletions to the original solicitation and they shall be considered in preparing submissions:

There is no change in the opening date. **Submissions are due no later than 3:00 p.m., Arizona Time, JUNE 4, 2025**, at the City Clerk's Office, 2330 McCulloch Blvd. N., Lake Havasu City, AZ 86403.

ITEM ONE (1): QUESTIONS AND ANSWERS

Question 1: Are there any specifications for the flooring for the new lab? I did not see any in the bid specifications.

Answer 1: Please see the attached specifications (Attachment A) that shall be inserted as Section 09 6516 – Resilient Tile Flooring.

Andrew Klos, CPPB
Senior Procurement Specialist

SECTION 09 6516 - RESILIENT TILE FLOORING (LVT)**PART 1 - GENERAL****1.1 SUMMARY****A. Section Includes:**

1. Solid vinyl resilient floor tile (LVT).

1.2 ACTION SUBMITTALS**A. Product Data:** For each type of product.**B. SUBMITTALS****C. General:** Submit listed submittals in accordance with Conditions of the Contract and Division 1 Submittal Procedures.**D. Product Data:** Submit manufacturer's technical data sheet, care & maintenance document, submittal and/or warranty for each material and accessory proposed for use.**E. Samples:** Submit representative samples of each product specified for verification, in manufacturer's standard size samples of each resilient product color, texture and pattern required.**F. Samples:** For each exposed product and for each color and pattern specified.**1.3 CLOSEOUT SUBMITTALS****A. Maintenance data.****1.4 QUALITY ASSURANCE****A. Installer Qualifications:** An entity that employs installers and supervisors who are competent in techniques required by manufacturer for floor tile installation.**1.5 DELIVERY, STORAGE, AND HANDLING****A. Deliver materials in labeled packages. Store and handle in strict compliance with manufacturer's recommendations. Protect from damage due to weather, excessive temperatures, and construction operations.****B. Deliver materials sufficiently in advance of installation to condition materials to the required temperature for 48-hours prior to installation.****1.6 PROJECT CONDITIONS****A. Install Rubber Tile after other finishing operations, including painting, have been completed.**

- B. Maintain temperature at service levels and/or the ambient temperature must remain steady ($\pm 10^{\circ}$ F) between 65° F and 85° F for at least 48-hours prior to, during and until substantial completion.
- C. Maintain relative humidity at service levels, or between 40% and 65% RH.
- D. Avoid conditions in which dew point causes condensation on the installation surface.

1.7 WARRANTY

- A. Provide manufacturer's standard limited commercial warranty to cover manufacturing defects.

PART 2 - PRODUCTS

2.1 PERFORMANCE REQUIREMENTS

- A. Fire-Test-Response Characteristics: For resilient floor tile, as determined by testing identical products according to ASTM E 648 or NFPA 253 by a qualified testing agency.
 - 1. Critical Radiant Flux Classification: Class I, not less than 0.45 W/sq. cm.

2.2 MANUFACTURER

- A. Basis-Of-Design shall be Shaw Contract, P.O. Drawer 2128, 616 East Walnut Avenue, Dalton, GA 30722-2128, 1 (800) 441-7429
- B. Substitutions: approval by Architect during bidding,

2.3 RESILIENT FLOOR TILE (LVT) – reference 'INTERIOR FINISH LEGEND + ROOM FINISH SCHEDULE' in construction document set of drawings.

- A. Tile Standard: ASTM F 1700.
- B. Color: As selected by Owner or Owner's representative.
- C. Collection: Terrain II, Manufacturer's number: 0453V.
- D. Application: Glue Down product as recommended by LVT Manufacturer.

2.4 INSTALLATION MATERIALS

- A. Trowelable Leveling and Patching Compounds: Latex-modified, portland-cement-based or blended hydraulic-cement-based formulation provided or approved by floor tile manufacturer for applications indicated.
- B. Adhesives: Water-resistant type recommended by floor tile and adhesive manufacturers to suit floor tile and substrate conditions indicated.
- C. Floor Polish: Provide protective, liquid floor-polish products recommended by floor tile manufacturer.

PART 3 - EXECUTION

3.1 PREPARATION

- A. Prepare substrates according to floor tile manufacturer's written instructions to ensure adhesion of resilient products.
- B. Concrete Substrates: Prepare according to ASTM F 710.
 - 1. Verify that substrates are dry and free of curing compounds, sealers, and hardeners.
 - 2. Remove substrate coatings and other substances that are incompatible with adhesives and that contain soap, wax, oil, or silicone, using mechanical methods recommended by floor tile manufacturer. Do not use solvents.
 - 3. Alkalinity and Adhesion Testing: Perform tests recommended by floor tile manufacturer. Proceed with installation only after substrate alkalinity falls within range on pH scale recommended by manufacturer in writing, but not less than 5 pH or more than 9 pH.
 - 4. Moisture Testing: Perform tests so that each test area does not exceed 200 square feet and perform no fewer than three tests in each installation area and with test areas evenly spaced in installation areas.
 - a. Anhydrous Calcium Chloride Test: ASTM F 1869. Proceed with installation only after substrates have maximum moisture-vapor-emission rate of 3 lb of water/1000 sq. ft. in 24 hours.
 - b. Relative Humidity Test: Using in-situ probes, ASTM F 2170. Proceed with installation only after substrates have a maximum percent relative humidity level measurement per manufacturer's recommendations.
- C. Access Flooring Panels: Remove protective film of oil or other coating using method recommended by access flooring manufacturer.
- D. Fill cracks, holes, and depressions in substrates with trowelable leveling and patching compound; remove bumps and ridges to produce a uniform and smooth substrate.
- E. Do not install LVT until materials are the same temperature as space where they are to be installed.
 - 1. At least 48 hours in advance of installation, move resilient floor tile and installation materials into spaces where they will be installed.
- F. Immediately before installation, sweep and vacuum clean substrates to be covered by resilient floor tile.

3.2 FLOOR TILE INSTALLATION

- A. Comply with manufacturer's written instructions for installing Resilient Tile Flooring
- B. Lay out floor tiles from center marks established with principal walls, discounting minor offsets, so tiles at opposite edges of room are of equal width. Adjust as necessary to avoid using cut widths that equal less than one-half tile at perimeter.
 - 1. Lay tiles square with room axes.

- C. Match floor tiles for color and pattern by selecting tiles from cartons in the same sequence as manufactured and packaged, if so numbered. Discard broken, cracked, chipped, or deformed tiles.
 - 1. Lay tiles with grain running in one direction.
- D. Scribe, cut, and fit floor tiles to butt neatly and tightly to vertical surfaces and permanent fixtures including built-in furniture, cabinets, pipes, outlets, and door frames.
- E. Extend floor tiles into toe spaces, door reveals, closets, and similar openings. Extend floor tiles to center of door openings.
- F. Maintain reference markers, holes, and openings that are in place or marked for future cutting by repeating on floor tiles as marked on substrates. Use chalk or other nonpermanent marking device.
- G. Install floor tiles on covers for telephone and electrical ducts, building expansion-joint covers, and similar items in installation areas. Maintain overall continuity of color and pattern between pieces of tile installed on covers and adjoining tiles. Tightly adhere tile edges to substrates that abut covers and to cover perimeters.
- H. Adhere floor tiles to substrates using a full spread of adhesive applied to substrate to produce a completed installation without open cracks, voids, raising and puckering at joints, telegraphing of adhesive spreader marks, and other surface imperfections.
- I. Floor Polish: Remove soil, adhesive, and blemishes from floor tile surfaces before applying liquid floor polish.
 - 1. Apply two coats.

END OF SECTION 09 6516