

## Statement of Work (SOW)

### Project: Rubber flooring mats purchase/removal/installation at UW/USDA-ARS farm in Stratford, WI

#### GENERAL INFORMATION

- 1.0 Scope of Work:** Removal of old flooring mats, and purchase and installation of new diamond tread rubber flooring mats in the USDA-ARS lactating cow and heifer barns at the UW Marshfield Agricultural Research Station in Stratford, WI. Package will include the removal of old flooring mats, purchase of new flooring mats, hardware anchors for attaching mats to concrete, and complete installation of new flooring mats (cutting mats to fit, placing of mats, possible drilling of new holes in concrete, and attachment to concrete). A total of 36 crossover areas will have the old flooring mats removed and new flooring mats installed. Installation is in an animal facility with exposure to dairy cattle and manure.
- 2.0 Background:** The diamond tread rubber flooring mats are part of the animal housing facility in the crossover areas (between front and back of animal pens) to prevent slipping and injury of dairy cattle when moving about the pens. The mats are cut to fit the specific crossover area dimensions and anchored to the concrete floor with anchors driven into the concrete. The current flooring mats are worn and do not have diamond tread pattern, thus not providing traction and causing animals to slip and become injured. The new, purchased mats must have a diamond tread pattern to help prevent slipping in different directions.

#### CONTRACTOR REQUIREMENTS

- 3.0 Technical Requirements/Tasks:**  
The requested package will include removal of old flooring mats, purchase of new flooring mats, attachment anchors, and the complete installation of the flooring (cutting flooring mats to size, placing flooring mats, drilling holes for anchors, anchoring flooring mats to concrete, and cleaning of work area). Current flooring mats removed will be kept at the facility for possible use in other areas.

Removal of old flooring mats must be done in a manner to preserve the integrity of the flooring mats and the concrete flooring. This will be done by cutting/removal of old attachment anchors. Removed old flooring mats will be stacked at the end of the barn facility for farm staff to then take care of.

Specific dimensions of the areas to cover are:

Barn 1 (lactating cow barn) with 8 total mats. Specific sizes are:

4 areas measuring 80 inches x 16 feet

2 areas measuring 82 inches x 16 feet

2 areas measuring 70 inches x 16 feet

Barn 2 (dairy heifer barn) with 28 areas all measuring 100 inches x 15 feet

Specific characteristics needed for flooring mats:

- All bids considered must include a picture of the new rubber floor mat material to show its surface grooving for approval by farm staff before contract approval
- Mat material must be rubber
- Mats must be minimum 3/4" inch thick
- Mats must have diamond shaped treading that is 25mm long and 20 mm wide and 5 mm between diamonds for ease of cleaning.
- Mats must be interlocking
- Mats must completely cover the same area as the old flooring mats
- Only up to 2 widths of flooring mats can be used across the crossover area
- When installed, mats must be oriented so seams and grooves are not parallel to the edge of the crossover area to allow for ease of scraping/cleaning the mats of manure

#### **4.0 Government Furnished:**

The facilities furnished include the USDA lactating cow and dairy heifer barns at the Marshfield Agricultural Research Station in Stratford, WI located at 208356 Drake Ave, Stratford, WI 54484. The contractors will require access to these facilities. The UW/USDA-ARS farm crew will supply a suitable forklift or skid-steer for moving the mats during removal/installation. The final package installed will be reviewed/approved by the research farm livestock supervisor (Will Cordes) and the research unit leader (Matt Akins).

#### **5.0 Deliverables / Schedule:**

Package is to be completed at the UW Marshfield Agricultural Research Station, 208356 Drake Ave, Stratford, WI 54484.

The anticipated start date for this package is between May 15, 2023 and June 30, 2023 with completion of the entire package within 10 days from the start of the removal of the flooring mats. All work for the package at the site (delivery of materials, removal of old flooring mats, and installation of new flooring mats) must be conducted during normal business hours of 7am and 4pm Monday through Friday unless scheduled in advance with farm staff.

Contractors must notify the farm staff (Will Cordes – 715-650-7429) at least 1 week before anticipated start of the package implementation to ensure the plans work with the farm's schedule and coordinate work schedules around animal research projects.

#### **6.0 Travel:**

All delivery costs for the new flooring mats/hardware and travel costs for removal/installation should be included in the package bid.

#### **7.0 Contractor's Key Personnel:**

Key personnel for the contractor include the technical representative to determine the correct flooring mat for the package, and the staff in charge of removal of the old flooring mats and installation of the new flooring mats. The contractor

representative and staff must have prior experience working in agricultural facilities with removal/installation of rubber flooring applications.

**8.0 Security Requirements:**

Deliveries and on-site removal/installation of flooring mats must be scheduled during regular work day business hours.

**9.0 Data Rights:**

Not applicable

**10.0 Section 508 – Electronic and Information Technology Standards:**

Not applicable