

**\*Scope of work – Specifications**  
**Track Renovation Project at Dennen Field**  
**USD 315 COLBY PUBLIC SCHOOLS**  
**1615 W Third St**  
**Colby, KS 67701**  
**Revised January 11, 2019**

The contract work to be performed under this scope of work consists of furnishing all the required labor, materials, equipment, parts and supplies necessary for the removal and installation of running track and field events surfacing in accordance with these specifications and conforming to standards for running track construction. Work is to be completed by August 1, 2019. *Failure on the part of the Contractor to complete work by this date will result in a penalty assessed to Contractor amounting to 5% of project bid.*

1. All procedures connected with the installation of the running surface shall be in strict accordance with the recommendation and requirements of the manufacturer.
2. The contractor shall have a minimum of five (5) years installation experience and will provide proof of completing similar jobs including references.  
*Please include address and phone number of contact person.*
3. Contractors wishing to bid products other than those specified, must submit for approval at least seven (7) days prior to bid opening date.  
*Approval does not constitute acceptance by Owner.*
4. Contractor will provide 100% Performance Bond, Labor and Material Payment Bond and Statutory Payment Bond in the full amount of the contract as awarded
5. *Should any electrical or mechanical need relocated or razed to complete this project, please contact USD 315 Director of Maintenance Gary Barton.*

Questions may be addressed to:

Katina Brenn, Superintendent  
USD 315 Colby Public Schools  
600 W Third St  
Colby, KS 67701-2000

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### *Scope of work and specifications to follow*

#### **Surfaces:**

Remove and dispose of all existing rubber track, chute and field event surface. Synthetic surface shall consist of polyresin binder and synthetic EPDM rubber granules. Surface shall be leveled with a coating of 1/2" in thickness of encapsulated rubber.

- a) Synthetic surface shall consist of a 50:50 component ratio by weight of polyresin binder and synthetic rubber granules. Solid content of polyresin binder shall be 47% and at no time shall binder be thinned prior to mixture or application.
- b) The completed surface shall exhibit the specified level surface thickness while remaining porous in composition. The cured surface shall provide strength, weather resistance and proper frictional characteristics consistent with conditions required for running.
- c) Athletic track and field compositions shall adhere strongly to the base foundation without the use of extraneous adhesives.
- d) Finished surfaces shall have integral color (black) and consist of a specially compounded color (black) throughout the surface.

#### **Surface Installation:**

- a) Repair asphalt base to the satisfaction of the Owner.
- b) Mill any asphalt cracks over 1/4 inch in width.
- c) Fill milled areas with asphalt or suitable crack-fill material.
- d) Existing base shall be thoroughly cleaned by use of power blower and sweepers. This process will remove all debris and foreign particles.
- e) Prime asphalt base for adhesion of surface as specified by manufacturer.
- f) Install new BLACK track surface base 13 mm (1/2 inch) in thickness in accordance with manufacturer's instructions to ensure proper bonding of resilient surface to the asphalt.
- g) Immediately preceding the base cleaning, the surface shall be coated (primer coat) with polyresin binder. This coating shall be wet at the time of spreading.
- h) Rubber granules and polyresin rubber binder shall be mixed in specified quantities through a mechanical mixer process. Binder must be mixed with rubber granules prior to laying. *Rubber shall not be placed dry with binder and added later through spray applications.* This resilient rubber mixture shall be laid 1/8" in depth by means of screed spreading in uniform lines and troweled perpendicular to spreading.
- i) The track surface manufacturers own installation crew who is well experienced in this type of installation shall perform the surface leveling work.

**Materials:**

- a) Polyresin binder shall contain specific additives for ultraviolet, ozone and oxygen resistance.
- b) At no time shall actual applied binder contain < 47% solids.
- c) Minimum dry elongation of binder shall be 438%.
- d) No acrylic binder shall be used.
- e) At no time shall water be added to the binder.
- f) Rubber granules shall be free of all foreign matter. Particle size shall be 1-3mm throughout the surface. At no time shall rubber buffings or stranded type rubber be used.
- g) Color shall be of an industrial non-fading, free flowing liquid pigment type containing additives for resistance to fading caused by sunlight.
- h) Resilient surfacing shall contain no asphalt products of any kind.  
the track surface manufacturer's own installation crew who is well experienced in this type of installation.

**Line Markings:**

All line and event markings shall be applied by experienced personnel utilizing commercial marine grade paint made especially for the painting of lines on tracks and compatible with the synthetic track surfacing. Oil based paint shall not be used. Lines shall be accurately placed in accordance with current requirements of the National Federation of State High School Associations (NFSH) rules and specification for a 400-meter track. *The owner will specify line markings and other colors for events.*

1. Layout all lines and markings to within .05 inch plus or minus tolerance.
2. Provide all lines and marks as necessary, including "waterfall starts" curve stagger starting lines.
3. Identify all starting lines by painting the identification directly onto the track surface in four (4) inch letters just below or in front of each line mark in the right hand portion of the lane.
4. Paint all of the large (three (3) foot high) lane numbers (three (3) sets) in two colors with shadowed backgrounds.
5. Paints shall be used directly from original containers and absolutely no thinning shall be allowed (*amount of paint used shall be recommended by manufacturer*).
6. Track is to be marked following metric measurements.
7. Upon completion of the track and field markings, the contractor shall furnish an acceptable certificate of accuracy to the owner attesting to the accuracy of the track markings and measurements.
8. Existing non-essential lettering, if any, shall be repainted after the project. *The USD 315 Superintendent will approve all painting and lettering.*

**Event Markings:**

1. 75 M Hurdles
2. 100 M Hurdles (including hurdle locations); (Two (2) directions)
3. 110 M Hurdles (including hurdle locations); (Two (2) directions)
4. 300 M Hurdles (including hurdle locations)
5. 100 M Dash
6. 200 M Dash
7. 400 M Dash
8. 800 M Dash
9. 1600 M Run
10. 3200 M Run
11. 400 M Relay (including exchange zones and acceleration zones)
12. 800 M Relay (including exchange zones and acceleration zones)
13. 1600 M Relay (including exchange zones)

**Weather Conditions:**

1. Application of the track surface shall not be performed at anytime when temperatures are 32 degrees F or less, or when inclement weather threatens, rain is imminent or falling, or when conditions are unfavorable (owner opinion).
2. Pressure injections shall be done in clear weather, with no rain imminent and with no or low winds.

**Warranty:**

1. The contractor shall warrant the surface installation against faulty materials or workmanship for a period to five (5) years from the date of acceptance by the owner.
2. Any defects occurring within the warranty period shall be promptly repaired, upon written notification, at no cost to the owner. The surface will resist wear and tear normal for the designated uses, as well as degradation from microorganisms, rot, mildew and fungus.
3. The contractor shall warrant the track surface paint striping against defects in workmanship, labor and materials under normal use and service for a period of five (5) years from the date of written acceptance by the owner.
4. The surface installer shall guarantee all labor, materials, and workmanship for the synthetic surface and markings.
5. Defects caused by abuse or misuse, migrating free water, vehicles, acts of God, design defects and/or deficiencies in the asphalt base or existing rubber base shall not apply. This warranty shall be given in lieu of all other warranties, expressed or implied, including the warranty of merchantability and fitness for a particular purpose. The liability shall be limited to repairing or replacing products proven to e

defective in manufacture. A written copy of this warranty shall be provided upon completion of the project.

**Miscellaneous Requirements:**

1. Competent, experienced and fully qualified personnel shall make all measurements.
2. Establish and set all necessary control points.
3. All debris and clean up is the responsibility of the contractor completed to the satisfaction of the owner.
4. The installer will provide complete, written maintenance and method of protection instructions to the owner.

Owner shall adopt, display and enforce the following policies:

- Running spikes shall be limited to .25 inches in length
- Jogging only in the three (3) outermost lanes will be permitted
- Only small vehicles used for inner track maintenance shall be used