



Scope of Work for Chino Hills HS and Don Lugo HS Track Resurfacing

Contractors Class A, CA15, C-61/O12
Engineer's Estimate: \$860,000.00
Contractor Duration: 365 calendar days

The synthetic surfacing contractor shall furnish all labor, materials, equipment, supervision, and services necessary for the proper completion of the Embedded Overlay Synthetic Track Resurfacing System. **The Contractor shall thoroughly investigate the premises for a complete understanding of the scope of work required for this bid.**

Chino Hills High School

- Color: Red
- Squared Yards: 7,778
- System: Embedded Overlay 7mm
- Cut out inside/outside edge
- Patch/Repair damaged areas
- Clean out all ACO slot drains
- Supply 4 new 8" long jump/triple jump board/tray systems and plugs
- Thoroughly clean existing surfacing by washing and sweeping prior to resurfacing.
- Install two (2) component polyurethane seal coat.
- Install two (2) component polyurethane wearing layer with embedded topcoat
- Striping - all associated NFHS stand striping, lane lines, event markings, and lettering per existing markings.

Don Lugo High School

- Color: Red
- Squared Yards: 7,808
- System: Embedded Overlay 7mm
- Cut out inside/outside edge
- Patch/Repair damaged areas
- Clean out all ACO slot drains
- Supply 4 new 8" long jump/triple jump board/tray systems and plugs
- Thoroughly clean existing surfacing by washing and sweeping prior to resurfacing.
- Install two (2) component polyurethane seal coat.
- Install two (2) component polyurethane wearing layer with embedded topcoat
- Striping - all associated NFHS stand striping, lane lines, event markings, and lettering per existing markings.

Scope of Work Overview

- COORDINATION

- o The synthetic surfacing contractor shall coordinate the work specified with an authorized and appointed representative of the owner to perform the work during a period and in a manner acceptable to the owner.

- MATERIALS

- o All polyurethane components must be manufactured in the United States in an ISO 9001:2015 Certified facility to ensure the highest quality materials
- o The thickness of the Embedded Overlay resurfacing system shall average 7mm.
- o **Elastomeric Polyurethane**
 - Shall consist of two-component polyurethane that is self-leveling and compounded from a proprietary pigmented polyol and MDI based, "TDI Free," isocyanate. The liquid polyurethane shall contain no mercury, lead, or any other heavy metals added by design.
- o **EPDM Granulate**
 - The EPDM granulates shall be approximately 1 to 3mm in size
 - The EPDM granulates and the U.V. stabilized elastomeric polyurethane shall be color matched.
- o **Line Marking Paint**
 - All line and event markings shall be applied by experienced personnel utilizing the manufacturer's recommended pigmented paint compatible with the Embedded Overlay track resurfacing material.

- INSTALLATION

- o **Surface Inspection**
 - Prior to the application of the resurfacing system, the existing polyurethane surface shall be inspected for conformity to planarity requirements. The surface shall not deviate more than 1/8 inch in 10 feet from the specified grade when checked with a 10-foot straightedge. An impermeable polyurethane surface may also be flooded with water to determine if any "bird baths" or low areas exist.
 - The resurfacing system will not change or correct existing design and drainage issues that are present on the track. Note, the resurfacing system will help alleviate drainage issues, such as "bird baths" or low areas by prefilling or performing minor repairs prior to installing the seal / leveling coat.
 - The existing track surface to be resurfaced shall be clean and free of any loose or foreign particles (dirt, oil, etc.) prior to the commencement of work. The surface is usually cleaned by use of a power blower and high-pressure washer.
 - The Embedded Overlay synthetic track resurfacing system components shall be processed and installed by specially designed machinery with automatic electronic portioning, which provides continuous mixing, feeding, and finishing for accurate quality-controlled installation.
 - No hand mixing is allowed.
- o **Seal / Leveling Layer**
 - The sealing layer for a permeable surface or the leveling layer for an impermeable surface shall be a squeegee applied coat of two-component polyurethane 1-2mm in thickness.
- o **Wearing Layer**
 - Resilient wearing layer - The EPDM granules shall be mechanically integrated with an UV stabilized elastomeric polyurethane to the full-depth of the 5 mm

wearing layer. The resilient embedded textured finish shall be a dense matrix of exposed EPDM granules. The homogeneous wearing course shall be applied in situ with the base course.

- o **Line Striping and Event Markings**

- Line striping and event markings shall be laid out in accordance with the owner and NFSHSA and CIF regulations.

- **CERTIFICATION AND WARRANTY**

- o Upon completion of the installation, the owner shall be supplied with all necessary computations and drawings as well as a letter of certification attesting to the accuracy of the markings.
 - o The contractor/manufacturer must supply a five (5) year third party insured warranty covering this project.
 - o The Embedded Overlay Track Resurfacing System shall be fully guaranteed against faulty workmanship and material failure for a period of five (5) years from the date of acceptance.
 - o Synthetic surfacing material found to be defective **as a** result of faulty workmanship and/or material failure shall be replaced or repaired at no charge, upon written notification within the guarantee period.



