



Design Standard Asphalt Paving

Purpose:

This design standard has the purpose of creating a consistent installation of Paving throughout the South San Francisco Unified School District thereby achieving a standard of aesthetic quality, maintenance and performance throughout all renovation and new building projects.

Design Standard:

Paving

Asphalt Refinement Courses

- Required to seal asphaltic concrete (AC) surface and to provide less coarse surface for children.
- Two coats emulsified asphalt with sand and two coats without sand required to seal AC. Color coats and game lines (play yard striping) may be applied on top.
- Consider concrete block pavers and pervious asphalt are good alternatives to sealed asphalt.
- Consider pervious concrete for paving areas that are sensitive to surface water run-off. This product allows increased water to permeate and recharge the water aquifer and provide air to tree roots. Contact: Central Concrete Supply Company, Inc.
www.us-concrete.com

Asphalt over Geotextiles

- Geotextiles should be considered when paving over existing asphalt to prevent cracks from telegraphing through new surfaces; refer to: www.mirafi.com. Can be used over existing AC with minor structural damage; to be overlaid with 1-1/2 inch to 2 inches of new AC.

Asphalt Color Coats

- Use painted colors over asphalt rather than integral colored asphalt
- Two filler coats and one sealer coat of color required where applied over refinement courses for games.
- Use lighter colors to reduce the heat island effect.



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Site Drainage

- Yard clean-outs and catch basins are to be maintained. Clean-outs and catch basins are to be cleaned before and after work is done in the area. Unless the Contractor identifies inoperative components and/or fouled lines are prior to the start of work, all components shall be assumed to be operating normally and the Contractor shall be held responsible for and damage or fouling present at the completion of work.
- Rainwater leaders are to be cleaned before and after roofing work.
- Pervious concrete is a good alternative for paving areas that are sensitive to surface water run-off. This product allows increased water to permeate and recharge the water aquifer and provide air to tree roots.
- Cross-slopes on ramps, accessible parking spaces, access aisles, and paths of travel are not to exceed 2%.
- Use light-colored surfaces to reduce heat islands.

Pavement Markings

- Asphalt Game Lines- minimum 2 inches wide.
- Traffic Marking and Symbol Paint: Water-Born, Fast-Dry, Traffic Paint distributed by Fuller-O'Brien Corp. D.J. Simpson (#108-273, White); (#108-280, Blue); or approved equivalent.
- Handicapped Symbol Background Paint: Blue Color. Glidden Co. "Glid-Guard Lifemaster Finish No. 5200 /series, Color 1/M 79", or approved equivalent.
- Thermoplastic Stripes and Markings:
 - o Thermoplastic stripes and makings shall be hot applied conforming to CSS Section 84 and shall be Cataphote-Catatherm brand, Pavemark thermoplastic brand, or approved equal.
 - o Thermoplastic stripes and markings shall have a minimum skid friction value of BPN 35.
- Pavement Markers and Adhesives:
 - o Fire hydrant pavement markers shall be two-way retroreflective "Blue" markers and shall conform to the applicable requirements of CSS Section 85.
 - o Adhesive for pavement markers shall be standard set epoxy adhesive conforming to the requirements of CSS Section 95-2.05.



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Substitutions allowed?

- N/A

Associated Design Standards

- N/A

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