

TOWN OF GLASTONBURY

**BID GL-2011
Tennis & Basketball Court Resurfacing**

ADDENDUM #1

Dated: 05-21-10

ADDITIONAL INFORMATION FOR THE ABOVE REFERENCED

This Addendum forms part of the contract documents and modifies the original Bidding Documents as noted below:

- Bidders must acknowledge receipt of this Addendum in the appropriate space on the Bid Proposal form.
- This Addendum consists of nine (9) pages total, including the REVISED Bid Proposal Page BP-2. (The DS-1 and DS-2 pages have been replaced; DS-3 through DS-7 have been added.

Company Name: _____

Name of Person Responding: _____

Authorized Signature: _____

Title: _____

Date: _____

**TEXTURED ACRYLIC COLOR SURFACING
FOR TENNIS COURTS AND PLAY AREAS**

PART 1 GENERAL

1.1 GENERAL DESCRIPTION

- A. Textured acrylic surfacing for asphalt tennis courts and similar play areas.

1.2 RELATED SECTIONS

A. Related Work

- 1. General Construction Specifications
- 2. Special Conditions

B. References

- 1. National Asphalt Paving Association (NAPA)
- 2. United States Tennis Association (USTA)
- 3. International Tennis Federation (ITF)
- 4. American Sport Builders Association (ASBA)

1.3 QUALITY ASSURANCE

- A. Surfacing shall conform to the guidelines of the ASBA for planarity.
- B. All surface coatings products shall be supplied by a single manufacturer.
- C. The contractor shall record the batch number of each product used on the site and maintain it through the warranty period.
- D. The contractor shall provide the inspector, upon request, an estimate of the volume of each product to be used on the site.
- E. The installer shall be an authorized applicator of the specified system.
- F. The manufacturer's representative shall be available to help resolve material questions.

1.4 SUBMITTALS

- A. Manufacturer specifications for components, color chart and installation instructions.
- B. Authorized Applicator certificate from the surface system manufacturer.
- C. ITF classification certificate for the system to be installed.
- D. Reference list from the installer of at least 5 projects of similar scope done in each of the past 3 years.

- E. Current Material Safety Data Sheets (MSDS).
- F. Product substitution: If other than the product specified, the contractor shall submit a complete type written list of proposed substitutions with sufficient data, drawings, samples and literature to demonstrate to the owner's satisfaction that the proposed substitution is of equal quality and utility to that originally specified. Information must include a QUV test of at least 1000 hours illustrating the UV stability of the system. The color system shall have an ITF pace rating in Category 2. Under no circumstances will systems from multiple manufacturers be considered, without the owner's prior written approval.

1.5 MATERIAL HANDLING AND STORAGE

- A. Store materials in accordance with manufacturer specifications and MSDS.
- B. Deliver product to the site in original unopened containers with proper labels attached.
- C. All surfacing materials shall be non flammable.

1.6 GUARANTEE

- A. Provide a guarantee against defects in the materials and workmanship for a period of one year from the date of substantial completion.

1.7 INSTALLER QUALIFICATIONS

- A. Installer shall be regularly engaged in construction and surfacing of acrylic tennis courts, play courts or similar surfaces.
- B. Installer shall be an Authorized Applicator of the specified surface system.
- C. Installer shall be a builder member of the ASBA.

1.8 MANUFACTURER QUALIFICATIONS

- A. System manufacturer shall provide documentation that the surface to be installed has been classified by the ITF as a medium pace surface.
- B. System manufacturer shall be a US owned company.
- C. System manufacturer shall be a member of the ASBA.

PART 2 PRODUCTS

2.1 MANUFACTURERS

A. California Products Corp., Andover, MA. 01810 / DecoTurf, www.decoturf.com

B. Substitutions: Submit requests with a complete type written list of proposed substitutions with sufficient data, drawings, samples and literature to demonstrate to the owner's satisfaction that the proposed substitution is of equal quality and utility to the specified product. Information must include a QUV test of at least 1000 hours illustrating the UV stability of the system. The system shall have an ITF pace rating in Category 2. Under no circumstance may the final color surface contain silica sand added at the job site.

2.2 MATERIALS

A. Patching Mix (California Court Patch Binder) - for use in patching cracks, holes, depressions and other surface imperfections.

B. Crack Filler (California Crack Filler) - for use in filling fine cracks.

C. Acrylic Filler Course (California Acrylic Resurfacer) – for use as a filler for new or existing asphalt surfaces. The 100% acrylic filler shall be blended with approved silica sand at the job site.

D. Acrylic Color Playing Surface (DecoColor MP/DecoBase I) – for use as the finish color and texture. DecoColor MP and DecoBase I are blended at the job site to achieve the correct surface texture.

E. Line Paint (California Line Paint) – for use as the line marking on the court/play surface.

F. Water – for use in dilution/mixing shall be clean and potable.

2.3 MATERIAL SPECIFICATIONS

A. Court Patch Binder – 100% acrylic resin blended with Portland Cement and silica sand.

- 1) Percent solids by weight (minimum) 46%
- 2) Weight 8.7-8.9 lbs./gallon

B. California Crack Filler – 100% acrylic resin heavily filled with sand.

- 1) Percent solids by weight (minimum) 85%
- 2) Weight 15 lbs./gallon

C. California Acrylic Resurfacer – 100% acrylic resin (no vinyl copolymerization constituent). The product shall contain less than 3.5% attapulgite.

- 1) Percent solids by weight (minimum) 26.7%
- 2) Weight 8.7-8.9 lbs./gallon

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D. DecoColor MP – 100% acrylic resin (no vinyl copolymerization constituent) with selected light fast pigments. Green shall contain less than 10% chrome oxide.

- 1) Percent solids by weight (minimum) 43.0%
- 2) Weight 10.5./gallon

E. DecoBase I Neutral – 100% acrylic resin (containing no vinyl copolymerization constituent). Contains not more than 63% rounded silica sand.

- 1) Percent solids by weight (minimum) 71%
- 2) Weight 12.0 lbs./gallon

F. California Line Paint – 100% acrylic resin (containing no alkyds or vinyl constituents). Texturing shall be rounded silica sand.

- 1) Percent solids by weight (minimum) 60.5%
- 2) Weight 12-12.3 lbs./gallon

All surfacing materials shall be non-flammable and have a VOC content of less than 100g./ltr. Measured by EPA method 24.

Local sands are not acceptable in the color playing surface. Sands must be incorporated at the manufacturing location to insure quality and stability.

PART 3 EXECUTION

3.1 WEATHER LIMITATIONS

- A. Do not install when rainfall is imminent or extremely high humidity prevents drying.
- B. Do not apply unless surface and air temperature are 50°F and rising.
- C. Do not apply if surface temperature is in excess of 140°F.

3.2 PREPARATION FOR ACRYLIC COLOR PLAYING SYSTEM

A. Clean surfaces of loose dirt, oil, grease, leaves, and other debris in strict accordance with manufacturer's directions. Pressure washing will be necessary to adequately clean areas to be coated. Any areas previously showing algae growth shall be treated with Clorox or approved product to kill the organisms and then be properly rinsed.

B. Holes and cracks: Cracks and holes shall be cleaned and a suitable soil sterilant, as approved by the owner, shall be applied to kill all vegetation 14 days prior to use of **Court Patch Binder** according to manufacturer's specifications.

EACH BASE BID SHALL INCLUDE AN ALLOWANCE FOR REPAIR OF 110 LINEAR FEET OF CRACKS. THE ACTUAL PAYMENT FOR CRACK REPAIR WILL BE ADJUSTED BASED ON FIELD MEASUREMENT OF IN PLACE CRACK REPAIR USING UNIT PRICES PROVIDED IN THE BID PROPOSAL.

C. Depression: Depressions holding enough water to cover a five cent piece shall be filled with Court Patch Binder Patching Mix: 3 gallons of Court Patch Binder, 100 lbs. 60-80 silica sand, 1 gallon Dry Portland Cement (Type I). **This step shall be accomplished prior to the squeegee application of Acrylic Resurfacer.** The contractor shall flood all the courts and then allow draining. Define and mark all areas holding enough water to cover a nickel. After defined areas are dry, prime with tack coat mixture of 2 parts water/1 part Court Patch Binder. Allow tack coat to dry completely. Spread Court Patch Binder mix true to grade using a straight edge (never a squeegee) for strike off. Steel trowel or wood float the patch so that the texture matches the surrounding area. Never add water to mix. Light misting on surface and edges to feather in is allowed as needed to maintain work ability. Allow to dry thoroughly and cure.

NO WORK FROM THIS STAGE ON SHALL COMMENCE UNTIL AN INSPECTOR HAS ACCEPTED THE SURFACE.

D. Filler Course. (Acrylic Resurfacer): Filler course shall be applied to the clean underlying surface in one application to obtain a total quantity of not less than .06 gallon per square yard based on the material prior to any dilution. Acrylic Resurfacer may be used to pre-coat depression and crack/hole repairs to achieve better planarity prior to filler course application.

1. Over a properly repaired surface of asphalt on existing courts, apply one coat of Acrylic Resurfacer according to the following mix:

Acrylic Resurfacer	55 gallons
Water	20 - 40 gallons
Sand	600-800 pounds / 60-80 mesh
Liquid Yield	112-138 gallons

Use clean, dry 50-60 mesh sand and clean, potable water to make mixes. The quantity of sand and water in the above mix may be adjusted within above limits to complement the roughness and temperature of the surface.

2. Mix the ingredients thoroughly using accepted mixing devices and use a 70 Durometer rubber bladed squeegee to apply each coat of Acrylic Resurfacer as required.

3. Allow the application of Acrylic Resurfacer to dry thoroughly. Scrape off all ridges and rough spots prior to any subsequent application of Acrylic Resurfacer or subsequent cushion or color surface system.

3.3 APPLICATION OF ACRYLIC COLOR PLAYING SURFACE

A. All areas to be color coated shall be clean, free from sand, clay, grease, dust, salt or other foreign matters. The Contractor shall obtain the Engineer's approval, prior to applying any surface treatment.

B. Blend DecoBase I and DecoColor MP with a mechanical mixer to achieve a uniform mixture. The mix shall be:

DecoBase I	55 gallons
DecoColor MP	15 gallons
Water	23 gallons

C. Application shall be made by 50 durometer rubber faced squeegees. The mixture should be poured on to the court surface and spread to a uniform thickness in a regular pattern.

D. One application of textured DecoColor MP shall be made to achieve a total application rate of not less than .05 gal./sy. No application should be made until the previous application is thoroughly dry.

E. A single finish coat of DecoColor MP shall then be mixed and applied in the same manner as the texture coats at a rate of .04 gal./sy. The mix shall be:

DecoColor MP	55 gallons
Water	38 gallons

F. Color selection to be by owner. Basketball court to be one color. Tennis courts to be green court with red surrounds/out of bounds area.

3.4 LINE PAINTING

A. Line shall be 2" wide unless otherwise noted on the drawings. Lines shall be carefully laid out in accordance with ASBA and USTA guidelines. The area to be marked shall be taped to insure a crisp line. The California Line Paint shall have a texture similar to the surrounding play surface. Application shall be made by brush or roller at the rate of 150-200 sf./gal. (3/4 gal. per tennis court).

Basketball court lines to match existing layout.

3.5 PROTECTION

A. Erect temporary barriers to protect coatings during drying and curing.

B. Lock gates to prevent use until acceptance by the owner's representative.

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3.6 CLEAN UP

- A. Remove all containers, surplus materials and debris. Dispose of materials in accordance with local, state and Federal regulations.
- B. Leave site in a clean and orderly condition.

**Tennis & Basketball Court Resurfacing
Bid Proposal**

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1. Furnish and install all labor, materials and equipment needed to complete repairs, resurfacing, and repainting two (2) tennis courts and one (1) basketball court in Addison Park as specified in Bid GL-2011-03 Tennis & Basketball Court Resurfacing, including all addenda.

\$ _____

Written Amount: _____

Unit Prices

The following unit prices will be used as the basis for any adjustments to the base bid as may be required due to changes in the quantity of work. In addition, the Bidder proposes that the following unit prices for any work added to or deducted from the contract sum by appropriate modification if the scope of work or estimated quantities of work required by the contract documents are increased or decreased.

Crack repair as specified in Part 3, Execution Section 3.2 \$ _____ l.f.
Preparation for Acrylic Color Playing System.