ITB-24-051
2024 Parks Court Repairs
Exhibit A Specifications

The Village of Orland Park, Illinois is requesting proposals for crack filling, repair and color coating (RCC), asphalt overlay repair, and fencing at various tennis courts along with additional striping and post installation to accommodate pickleball courts located at parks within the Village of Orland Park as defined below.

The Village of Orland Park is also requesting unit pricing for New Douglas DTP-37 tennis net posts in existing sleeves, and new Douglas TN-30 tennis nets with center strap.

All Tennis Courts must be striped for tennis and pickle ball. Tennis courts must have an inbounds playing surface color of blue and the out of bounds portion must be green. All Tennis courts must receive new posts, (Douglas DTP-37) and new nets, (Douglas TN-30 tennis nets w/center strap). All basketball courts must receive new post(s), backboard(s), (Gared Aluminum Fan Shaped), rim(s) (Gared Front Mounted Playground Double Goal) and net(s) (Heavy Nylon).

GENERAL COURT SPECIFICATIONS

Pressure wash stained areas in preparation for color surfacing

DEBRIS/ LOOSE PAINT REMOVAL

A. Remove loose paint and pre-coat.

ROUTER/ CRACK PREPARATION AND BINDING

B. Rout, clean, and fill cracks with court patch binder

TENNIS POSTS SLEEVES, POSTS, AND NETS

A. Tennis post foundations shall be situated to provide a clear distance between posts of fort-two feet (42') apart.
B. Net post sleeves shall be installed with foundations of no less than twenty-four inches (24") in diameter at the top, no less than thirty inches (30") in diameter at the base, and no less than forty-eight inches (48") in depth.
C. Center strap anchor foundations shall be no less than twelve inches (12") in diameter at the top, no less than sixteen inches (16") at the base, and no less than twelve inches (12") in depth.
D. Install tennis posts in sleeves, follow manufacturer's installation guidelines.
E. Install tennis nets, follow manufacturer's installation guidelines.
F. Install center straps, follow manufacturer's installation guidelines.

COURT DEPRESSIONS "BIRDBATHS"

A. Testing: Surface shall be flooded with water by rain or manually with clean water. Surface shall be allowed to drain for 45-60 minutes in sunlight at 70°F. Remaining depressions holding enough water to cover a five cent piece (American Nickel) shall be marked.
B. Apply acrylic patch binder mix to depressions and strike off with a straight edge. Before the

product begins to dry, feather edges using a trowel, putty knife, or similar method.

C. Repeat testing and acrylic patch binder applications as needed to eliminate or reduce depressions to within tolerance.
D. Sand and pre-coat as needed to assure repairs are not visible following acrylic surface applications.
E. Strictly follow manufactures mixture guidelines and weather limitations.

ACRYLIC FILLER COAT(S) (RESURFACER)

A. Two (2) coats of properly textured acrylic resurfacer shall be applied to entire surface. Special care shall be taken to keep a wet edge and remain consistent.
B. When surface is completely dry, surface shall be inspected for, ridges, bumps, and debris. Any inconsistencies shall be corrected prior to color coat applications.
C. Strictly follow manufactures mixture guidelines and weather limitations.

ACRYLIC COLOR PLAYING SURFACE

A. Complete a thorough inspection, remove any bumps or ridges in resurfacer coats, and clean surface of all loose dirt, leaves, or other debris.
B. If the surface is to receive multiple colors, apply chalk lines to distinguish the court area from the perimeter area. Follow USTA guidelines for court dimensions.
C. Colors and their placement shall be determined by the owner. Colors and the placement of the colors shall be verified by the owner prior color applications.
D. Textured acrylic color surface shall be applied in two (2) applications with a 50 durometer rubber squeegee. No application should be made until the previous application is thoroughly dry.
E. Strictly follow manufactures guidelines and weather limitations.

LINE PAINTING

A. Lines shall be carefully laid out in accordance with the ASBA guidelines. Including Pickle Ball Striping and Basketball Striping
B. Masking tape shall be applied and rolled to result in a two inch (2”) wide width unless otherwise stated.
C. Masked lines shall be primed with acrylic line primer to seal the void between the textured surface and masking tape edge.
D. One (1) coat of textured white line paint shall be applied by brush or roller. NO SPRAY APPLICATIONS PERMITTED.

Chisel raised concrete from all fence post which are heaved over 1" and patch flush with adjacent surface. Adjust fence height as needed.

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FENCING SPECIFICATIONS

DEMOLITION

A. Remove and dispose of existing fencing and footings.

FENCING MATERIALS

A. Round Steel Pipe Fence Framework-(Schedule 40 standard weight pipe)-Polymer coated galvanized pipe, fused and adhered.
    i. Line Post: two and a half inch (2-1/2") Outside Diameter
    ii. Terminal Post: Three inch (3") Outside Diameter
    iii. Rails: Inch and five eighths (1-5/8") Outside Diameter
B. Chain Link Fabric- Polymer coated Fused and adhered inch and three quarter (1-3/4") 9 gauge core. Knuckled at top and bottom.
C. Tension Wire- 7 gauge core polymer coated fused and adhered.
D. Fitting-Polymer coated fused and adhered
    i. Tension and Brace bands-minimum thickness 12 gauge.
    ii. Terminal Post Caps, Line Post Loop Tops, Rail and Brace Ends, Boulevard Clamps, Rail Sleeves.
    iii. Truss Rod Assembly
    iv. Tension Bars.
    v. Tie Wire and Hog Rings- 9 gauge core aluminum alloy.
E. Gates- Polymer coated fused and adhered two and a half inch (2-1/2") O.D.

FRAMEWORK INSTALLATION

A. Posts: Posts shall be set plumb in concrete footings. Minimum depth of forty- eight inches (48"). Minimum footing diameter four times the largest cross section of the post up to four inches (4") dimension and three times the largest cross section of post greater than four inches (4") dimension. Top of concrete footing to be at grade crowned to shed water away from the post. Line posts installed at intervals not exceeding ten feet (10') on center.
B. Top rail: Install twenty-one foot (21') lengths of rail continuous thru the line post or barb arm loop top. Splice rail using top rail sleeves minimum six inches (6") long. Rail shall be secured to the terminal post by a brace band and rail end. Bottom rail or intermediate rail shall be field cut and secured to the line posts using boulevard clamps or brace band with rail end.
C. Terminal posts: End, corner, pull and gate posts shall be braced and trussed. The horizontal brace rail and diagonal truss rod shall be installed in accordance with ASTM F567.

CHAIN LINK FABRIC INSTALLATION

A. Chain Link Fabric: Install fabric to inside of the framework maintaining a ground clearance of no more than two inches (2"). Attach fabric to the terminal post by threading the tension

bar through the fabric; secure the tension bar to the terminal post with tension bands and 5/16 in. carriage bolts spaced no greater than twelve inches (12”) on center. Chain link fabric to be stretched taut free of sag. Fabric to be secured to the line post with tie wires spaced no greater than twelve inches (12”) on center and to horizontal rail spaced no greater than eighteen inches (18”) on center. Wrap the tie around the post or rail and attached to a fabric wire picket on each side of the post or rail by twisting the tie wire around the fabric wire picket two full turns, cut off excess wire and bend over to prevent injury. Secure the fabric to the tension wire by crimping hogs rings around a fabric wire picket and tension wire.

GATE INSTALLATION

A. Swing Gates: Installation of swing gates and gateposts. Gates shall be plumb in the closed position having a bottom clearance two inches (2”). Hinge and latch offset opening space shall be no greater than three inches (3”) in the closed position.

NUTS AND BOLTS

A. Bolts: Carriage bolts used for fittings shall be installed with the head on the secure side of the fence. All bolts shall be peened over to prevent removal of the nut.
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    ii. Terminal Post: Three inch (3”) Outside Diameter
    iii. Rails: Inch and five eighths (1-5/8”) Outside Diameter
    iv. Chain Link Fabric- Polymer coated Fused and adhered inch and three quarter (1-3/4”) 9 gauge core. Knuckled at top and bottom.
C. Tension Wire- 7 gauge core polymer coated fused and adhered.
D. Fitting-Polymer coated fused and adhered
    i. Tension and Brace bands-minimum thickness 12 gauge.
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SITES AND SPECIFIC NOTES

Project 1: Perminas Park Tennis Court

1 Mechanically rout, clean, and fill cracks (<.75")
2 Provide and apply SS-1h asphalt tacking primer
3 Provide and install GlasGrid 8511
4 Furnish, install, and compact 2" N-50 HMA Surface coarse
5 Manual flood test to check for proper draining & puddles
6 Leveling compound per 25sf
7 1st Coat sand fortified acrylic resurfacer
8 2nd coat of sand fortified acrylic resurfacer
9 2 coats of textured acylic color (1 color)
10 Additional color
11 Tennis court (Layout, mask, primer, textured line paint)
12 Pickleball court (Layout, mask, primer, textured line paint)
13 Detach chain link, adjust rails, cut and knuckle chain link to size
14 Remove and replace vertical line posts for access < 3 posts
15 Remove and reinstall chain link wire only
16 Remove concrete footing for 1 center anchor > 2

The Village reserves the right to choose which Park locations to be repaired based on budget restraints.