

REQUEST FOR PROPOSALS

Job Site location: Willow Recreation Center
3600 Lexington Ave
Hoffman Estates Illinois 60169

and

Seascope Aquatic Center
1300 Moonlake Blvd.
Hoffman Estates Illinois 60169

The Hoffman Estates Park District is requesting pricing from qualified contractors to perform **concrete slab mud jacking** and crack filling work at **Willow Recreation Center and Seascope Family Aquatic Center**. All labor performed on the site by the successful contractor shall be paid in conformance with the Illinois Prevailing Wage. A certified payroll will be required prior to invoicing for work. In addition, the successful contractor will be required to provide insurance documents naming Hoffman Estates Park District as additionally insured on the policy. Insurance minimum requirements are available upon request.

Final payment will be made based on unit pricing of items installed and accepted by the district. For the basis of this proposal estimated quantities of work have been provided so as to reflect the overall scope intent of the project. In some cases the Park District reserves the right to eliminate certain items and replace those eliminated items with other items bid as part of this proposal.

Please return this completed form by September 1, 2016. This work is to begin by the middle of September and be completed by October 28, 2016. Invoicing is due the first week of November with payment the last week of November.

Concrete slab rising

Item #1A

Raise concrete slabs at Willow Recreation center marked with an orange dot to within 1/4" of adjacent slabs or curbs via mud jacking or foam injection methodology.

Raise 260 lineal feet of concrete slabs at \$_____per lin. Ft. as marked for a total cost of

\$_____

Item #1B

Caulk 420 lineal feet of cracks utilizing Vulkem 45 SSL or approved equal Polyurethane self-leveling caulk with backer rod at \$_____per foot for a total cost of

\$_____

Item #2A

Raise concrete slabs at Willow Recreation center marked with an orange dot to within 1/4" of adjacent slabs or curbs via mud jacking or foam injection methodology.

Raise 292 lineal feet of concrete slabs at \$_____per lin. Ft. as marked for a total cost of

\$ _____

Item #2B

Caulk 375 lineal feet of cracks utilizing Vulkem 45 SSL or approved equal Polyurethane self-leveling caulk with backer rod at \$_____per foot for a total cost of

\$ _____

TOTAL COST OF 1A, 1B, 2A ,2B

\$ _____

Contractors Company name _____

Address _____

Contact Person _____

Telephone # _____

Email Address _____

Questions: Contact Gary Buczkowski, Director of Planning and Development
Hoffman Estates Park District
1685 W. Higgins Rd
Hoffman Estates, IL 60192
847-561-2172
GBuczkowski@heparks.org

General Description Concrete slab raising

The work described in each Item includes the furnishing of all materials, equipment, supplies, tools, the performance of all labor and services, and all incidentals necessary to complete the concrete slab raising and / or void filling under the concrete slab in a neat, substantial and workman-like manner.

A-a Materials (Option A)

1. Cement Slurry Mixture: The slurry mixture used for raising concrete slabs shall be composed of lime, sand, ground clay, Portland Cement (Type 1A conforming to A.S.T.M. C150), and fly ash in the following proportions by volume:
Lime / Fly Ash Mixture passing #50 sieve 100% 27%
Sand passing #4 sieve 100% 15%
Ground clay passing #4 sieve 100% 50%
Portland Cement – 3 ½ bag mix (approx.) 8%
(Should Fly Ash and/or Lime not be readily available, increase the amount of Sand by 27% to mixture.)
This shall be accomplished by use of continuous mixer. All aggregate shall be metered for precise mix design to assure consistent quality control.
2. All materials for job site shall at all times be mobile and not stored in the road or walk area, unless agreed upon between Contractor and Customer at bid submittal.
3. Slurry material for Slab and Curb Raising shall be mixed with enough potable water to a workable consistency (3 to 6 inch slump). Material once mixed shall be utilized within one hour and may not be retempered (unless so directly by the Engineer, if applicable).
4. There will be NO deviation from the specified mix design.
5. All holes drilled for injection pumping shall be repaired with an aggregate mixture to match existing surface as best as possible. Holes will be patched utilizing a mixture of Portland Type 1A Cement and mason sand in a 2 to 1 proportion.
6. All cracks and joints wider than ½” shall be filled with caulk utilizing backer rod Installed 3/8 of an inch below the final walk surface. The remaining gap shall be filled with Vulkem 45 SSL self-leveling polyurethane caulk. The caulk should be sanded with white silicone sand to prevent sticking to foot traffic during curing process. The caulked areas should be protected from public crossing.

A-b Materials (Option B)

1. In the place of cement slurry two part expansion polyurethane foam may be used to lift and fill the void below the slab.

B. Equipment

1. Mixing equipment shall be a self-contained continuous mixer, with calibrated mixing and delivery capability, carrying all water, cement and aggregate needed for the job site. The continuous mixer shall meet or exceed the Standards of Calibration as set forth by the Volumetric Mixer Manufacturer Bureau (VMMB), a member of the National Ready Mix Concrete Association (NRMCA), and conforming to ASTM 685, ACI 304.6 and CSA 23.7.
2. All materials pumped shall be of a minimum of 500 PSI to a maximum of 1,000 PSI mix design.

C. Work

1. Holes: The Contractor shall drill holes by whatever means convenient to him, however Contractor shall exercise caution to prevent cracking of concrete slab in which the hole is being drilled. The hole size for slab raising operations shall be a minimum of one inch (1") up to a maximum of two inches (2") in diameter. The holes shall be spaced as necessary to uniformly to assure complete communication of slurry between holes.
2. Slab Raising: Slabs shall be raised to the required elevation and pitched at one-quarter (1/4) inch per twelve (12) inches of lineal run, or as directed by the inspector. If required, saw cuts shall be made at joints to allow free movement of the work. Saw cutting is incidental to the unit price as bid for slab raising, unless otherwise specified in the bid.
3. Patching Holes: Holes shall be cleaned the full depth of the slab by removing excess slurry and wire brushing exposed sidewalls. Prior to placement of the Portland Cement, the surface around the holes shall be damp.
Slab raising holes shall not be cleaned out and patched until the slurry that was pumped has been allowed to stabilize.
4. Clean Up: Slabs raised shall be thoroughly scraped and swept after completion, but prior to patching. Surrounding grass areas adjacent to slab raising shall be left in a clean, non-debrised condition. Clean up is included in the unit price as bid for slab raising.

D. Clean-Up and Final Inspection

The Contractor shall have thorough and systematic clean-up operations following closely behind the construction work. He shall remove and properly dispose of all dirt and debris resulting from execution of the work. Defects of any nature whatsoever shall be promptly corrected.