

REQUEST FOR BID

SKATE PARK COMPLETED DESIGN AND CONSTRUCTION SERVICES

located at

Windsor Locks High School
68 South Elm Street
Rear Tennis Courts
Windsor Locks, Connecticut 06096

TOWN OF WINDSOR LOCKS
Park and Recreation Department
50 Church Street
Windsor Locks, Connecticut 06096

11:00 AM, FRI DAY, FEBRUARY 12, 2010

TOWN OF WINDSOR LOCKS
SKATE PARK
COMPLETE DESIGN and CONSTRUCTION SERVICES

OVERVIEW

The Town of Windsor Locks (“Owner”) on behalf of its Park and Recreation Department is seeking services for the completed design and construction phases to complete an estimated 6000 square foot concrete skate park, to be constructed on the rear tennis courts of Windsor Locks High School, 68 South Elm Street. Bids should include the **completed skate park design and plans, construction documents (stamped), including specifications and details, all necessary contract documents, construction and field inspections.** The selected firm shall have particular experience specializing in such design and construction; bids must include documented qualifications and complete references as requested.

The anticipated skate park design shall consist of the following general elements as displayed in attached plans:

- Street Plaza - style area arranged in such a manner as to replicate true street-style skating ,
- Quarter pipe - bid should include at least one section of quarter pipe 4-5’ high placed within skate park,
- Elevated deck to serve as the starting point for street plaza and should flow into street plaza,
- Step-up manual pad to be incorporated in to elevated deck in line with quarter pipe section,
- Hubba ledges - details and shop drawings showing EXACT measurements to be included in bid,
- Banks, stairs, ledges, rails and all other elements constructed and situated in such a way as to allow safe lines of traffic without intersecting with traffic from other items,
- At the unanimous request of skaters street plaza-style elements are preferred. Therefore, plaza area shall consist of items which are true street-style elements and may include use of granite, marble, steel or other material.

Please note: this skate park is to be constructed on the surface of an existing tennis court. The site does include existing fencing. All bids should include the reinstallation of removed fencing to pre-existing state. In addition, pre-existing drainage must be incorporated into design. All proposals shall provide detailed costs associated with project noting the following exclusions: cost for site plan and repair of cracks on unused portion of tennis courts.

SCOPE OF WORK

The scope of work outlined below is to be used as a general guide and is not intended to be a complete list of tasks necessary to complete the project.

GENERAL NOTES

- Structural work shall conform to the requirements of the local building code.
- All work shall conform to the applicable codes and ordinances.
- All work performed by the general contractor and/or trade subcontractor shall conform to the requirements of local state or federal laws as well as any other governing requirements whether or not specified on the drawings.
- Bidder shall verify and coordinate dimensions related to this project.
- Typical details and notes shown on structural drawings shall be applicable to all parts of the structural work except where specifically required otherwise by contract documents.
- Bidder shall carry out continuous control of surface and resurface water during construction such that foundation work is done in the dry and on undisturbed subgrade material as applicable.
- Bidder shall excavate as required to install footings and foundation walls as detailed, bottom three inches of excavations for footings shall be finished by hand shovel.
- No foundation concrete shall be placed in water or on frozen subgrade material.
- Protect in place foundations and slabs from frost penetration until the project is completed.
- Install all equipment and materials in accordance with manufacturers recommendations and owners requirements unless specifically otherwise indicated or where local codes or regulations take precedence.
- The contractor shall take full responsibility for any changes and deviation of approved plans not authorized by the engineer and/or client/owner.
- These conceptual documents and details are intended to show end result of design, installer of these plans shall retain the services of a licensed engineer to confirm compliance of document with state and local codes and ordinances. Any modifications to suit field dimensions and condition shall be submitted to the installer & engineer for review and approval prior to any work.
- A licensed engineer shall be retained to verify subsurface soil conditions to assure appropriate soil conditions are in place for skate park placement. The contractor will assume liability for subsurface conditions that result in failure of skate park.
- Bidder shall provide a Bid Bond for 5% of project, a Performance Bond for 100% of Bid, and a Payment Bond for 100% of Bid.

BASIC STANDARDS AND REQUIREMENTS

- NO ITEM WHICH CONTAINS METAL EDGING MAY BE SKATED BY THE CONTRACTOR, THEIR EMPLOYEES OR ANY MEMBER OF THE PUBLIC FOR A PERIOD OF 28 DAYS FROM INSTALLATION. It shall be the responsibility of the contractor to ensure that this is so.
- **Contractor shall provide written warranty as follows;**
 - Contractor shall warrant that the product shall be free from hydration cracking for the entire duration of the construction project
 - Unless site compaction was provided by others all concrete placement shall be free of cracks for a period of 1 (one) year
 - If the contractor feels that the substrate soils or compaction is inadequate they must inform the City, in writing, prior to the installation of any concrete. Failure to outline this inadequacy shall NOT be the grounds for dismissal of any warranty
 - Cracks in excess of 1/4" shall be warranted for 3 (three) years
 - All steel edging shall be warranted against becoming loose for a period of 3 (three) years
 - Concrete under or adjacent to steel edging or coping shall be free from voids, chipping and/ or failure for a period of 3 (three) years
- At no point shall standard 'flat' concrete be less than 5" thick
- At no point shall ramp or bank concrete be less than 6" thick
- At no point shall reinforcing steel be smaller than 3/8" rebar. Welded wire mesh may be used WITH, but not in place of, rebar
- At no point shall reinforcing steel be spaced more than 12" on center except in flat pours where 18" is acceptable
- No concrete shall have a comprehensive strength less than 4000 psi
- Water added on site shall not exceed 1 gallon per yard remaining on truck
- Concrete must be placed completely within 120 minutes of leaving batch plant
- No concrete shall have an aggregate smaller than 3/8"
- No concrete shall be poured at a slump greater than 5"
- All vertical faces shall be vibrated smooth with no voids or projections
- Fiber mesh is not an acceptable admixture at any time
- Steel coping shall be anchored by welded steel anchors. Rebar is NOT considered a steel anchor. All anchors shall be at minimum cold rolled black steel rod or bolts
- Steel coping anchors shall never be placed within 2" of surface of concrete to avoid cracking and rust broadcast
- ALL steel edging shall have a 1/8" radius tooled edge in any instance where it comes in contact with concrete
- Vertical 1/4" steel plate is excluded from above requirement

BASIC JOBSITE STANDARDS AND REQUIREMENTS

- Site must remain clean, orderly and free of trash or debris at all times
- Building debris must be cleaned and removed from site daily
- Blowing debris must be contained at all times
- All trash including food containers may not be visible at any time
- Contractor shall have a dumpster or containment system on site at all times

CONCRETE NOTES

- Concrete work shall conform to 'Building Code Requirements for Reinforced Concrete' (ACI latest edition) and 'Specification for Structural Concrete for Buildings' (ACI latest edition).
- Concrete shall be controlled concrete proportioned, mixed and placed in the presence of a representative of an approved testing agency.
- Unless noted otherwise, all structural concrete shall be normal weight (145 lbs/ft³) concrete having the following minimum 28 day compressive strength of 3000 psi.
- All concrete exposed to weather, including foundation walls, shall be air-entrained concrete.
- Construction joints shown on drawings are mandatory. Omissions, additions or changes shall not be made except with the submittal of a written request together with drawings of the proposed joint locations for approval of the designer.
- Where construction joints are not shown or when alternate locations are proposed, drawings showing location of construction and control joints and concrete placing sequence shall be submitted to the architect/engineer for approval prior to preparation of the reinforcement shop drawings.
- Size of concrete placements unless noted otherwise shall be as follows: a) footings and walls, maximum length in feet 30 exceeded only where intermediate control joints are provided.
- Concrete shall be placed without horizontal construction joints except where shown or noted.
- Concrete slabs shall be placed so that the slab thickness is at no point less than that indicated on the drawings.
- Flat concrete slabs shall be 5" thick reinforced with #3 rebar unless noted otherwise on plans details or sections.
- Radius concrete slabs shall be 6" thick reinforced with #3 rebar unless noted otherwise on plans details or sections.
- Concrete slab reinforcing shall be mid-depth of slab unless noted otherwise on sections and details.
- Concrete slabs and ramps shall have burned trowel smooth finish.

CONCRETE FINISH REQUIREMENTS

Concrete finish and smoothness is of the utmost importance. Before construction begins winning bidder shall furnish on-site samples of the following at bidders expense. Samples must be of the mix type declared in Bid/ Proposal and will be retained by City for comparison to finished product. Samples may also be tested for comprehensive strength at City's expense.

- 24" x 24" x 6" flat with typical sawcut and rebar placement. Sample shall include any examples of radius edging proposed in skate park
- 36" x 12' EXAMPLE OF STEEL EDGING DETAIL including any radius edging adjacent to steel edging
- 36" x 12' EXAMPLE OF STEEL COPING DETAIL including any radius edging adjacent to steel edging
- IF APPLICABLE 36" x 12' EXAMPLE OF CONCRETE (pool) COPING DETAIL including any radius edging adjacent to CONCRETE edging

REINFORCEMENT NOTES

- Reinforcement work of detailing, fabrication and erection shall conform to 'Building Code Requirements for Reinforced Concrete' (ACI 318, ACI Detailing Manual, CRS Manual of Standard Practice; latest editions).
- Provide and schedule on shop drawings the necessary accessories to hold reinforcement securely in position.
- Minimum concrete protective covering for reinforcement shall be 2" unless noted otherwise.
- Where continuous reinforcement is called for, it shall be extended continuously around corners and lapped at necessary splices or hooked at discontinuous ends. Laps shall be class B tension lap splices unless noted otherwise.
- Where reinforcement is not shown on drawings provide reinforcement in accordance with applicable details as determined by the engineer. In no case shall reinforcement be less than the minimum reinforcement permitted by the applicable codes.
- Where reinforcement is required in section, reinforcement is considered typical wherever the section applies.
- Notify the engineer at least 24 hours prior to any concrete placement.
- Reinforcement shall be continuous through construction joints.

Regarding Candidate's abilities and relevant prior experience in the area(s) of service offered, please provide proof of the following:

- 10 Years continuous operation and company names under which they operated within those 10 years (Note: references or experience based companies who purchased other companies are not considered continuous operation and time spent as an employee of another company is not considered continuous operation)
- 5 References within 1 year for a parks using the same construction methods and materials as the bid
- 1 Reference 5-7 years for a park using the same construction methods and materials as the bid
- Names and Locations of 15 Completed Skate Parks
- Proof of Proper Liability and Workers Compensation Insurance including limits
- Declaration of any suits or claims for warranty, negligence or failure to complete within the last 10 years. Simple "NO" shall suffice if not applicable
- Equipment NOT CURRENTLY OWNED which may be necessary for the completion of the project.

Regarding RFB requirements, the following is a guideline of minimum requirements:

- **IMPORTANT- All proposals shall include detailed timeline for completion.** Proposals which do not include this item will be deemed unresponsive and disqualified.
- **IMPORTANT- All proposals shall include full detail and spec sheet for concrete mix with bid.** Proposals which do not include this item will be deemed unresponsive and disqualified.
- **IMPORTANT- All proposals shall include cross sections and structural details of all items contained within the park.** Proposals which do not include this item will be deemed unresponsive and disqualified.
- All Proposals shall clearly indicate square footage and dimensions of all items within the proposed park as well as a clear indication of the scale of the drawing.
- All proposals shall provide Perspective 3d view as well as **scaled** 2d Planview
- "NOT TO SCALE" proposals will be considered unresponsive and disqualified.
- Proposal shall include written plan for typical hydration and sawcut methods and schedule
- All proposals shall provide detailed costs associated with project noting the following exclusions: cost for site plan and repair of cracks on unused portion of tennis courts

Interested qualified bidders shall supply the Town with a "lump sum" price for this project as well as a breakdown showing the costs for: Design & Construction Costs, Bid Bond, Performance Bond, and the Payment Bond. A schedule of the sequence of events shall be included with each bid. For more information on these projects or to schedule a walk-through of the skate park location, calls should be directed to:

David Farr
Director of Park and Recreation
(860) 627-1420

All Bids shall be submitted to the office of the Director of Park and Recreation on or before Friday, February 12, 2010 by 11:00am. Bids shall be in a sealed envelope marked with appropriate Bid name. Bids will be opened and read aloud at that time. Bidders, their authorized agents and interested parties are invited to be present.

The successful bidder will be notified by the Town within ten days after the opening of the bids. The Town of Windsor Locks reserves the right to accept or reject any or all bids in the best interest of the Town of Windsor Locks. The Town reserves the right to waive any informality in the Bid Form and to reject any or all proposals or to accept the proposal deemed most satisfactory to the Town of Windsor Locks, if it is in the public interest to do so.