



Town of Simsbury

933 HOPMEADOW STREET

P.O. BOX 495

SIMSBURY, CONNECTICUT 06070

Engineering Department

REQUEST FOR PROPOSAL TOWN OF SIMSBURY (EQUAL OPPORTUNITY EMPLOYER)

Project: SIMSBURY FARMS ICE RINK SHELTER – Testing & Laboratory Services

Proposals endorsed “SIMSBURY FARMS ICE RINK SHELTER – Testing & Laboratory Services” will be received at the office of Director of Finance / Treasurer, 933 Hopmeadow Street, (Route 10/202), Simsbury, CT. 06070-1897, until Thursday, May 12, 2016 at 11:00 a.m. (EST).

Included in this work is the performance of testing and laboratory services, as specified in the Statement of Special Inspections for the proposed additions to the Simsbury Farms Ice Rink Shelter at 100 Old Farms Road, West Simsbury, CT. Copies of the plans may be viewed at the Simsbury Town Engineer’s office at 933 Hopmeadow Street (RT. 10/202), Simsbury, CT.

The right is reserved to reject any or all proposals or to waive defects in same if it be deemed in the best interest of the Town of Simsbury.

Richard Ostop, Chairman
Public Building Committee

Telephone (860) 658-3260
Facsimile (860) 658-3205

www.town.simsbury.ct.us

An Equal Opportunity Employer
8:30 - 7:00 Monday
8:30 - 4:30 Tuesday through Friday



Town of Simsbury

933 HOPMEADOW STREET

P.O. BOX 495

SIMSBURY, CONNECTICUT 06070

Engineering Department

REQUEST FOR PROPOSAL SIMSBURY FARMS ICE RINK SHELTER

MATERIALS TESTING & INSPECTION SERVICES

April 2016

Project Overview

The existing ice rink at the Simsbury Farms Recreation Complex at 100 Old Farms Road, West Simsbury, is a covered outdoor facility. The work includes the construction of an 830 square foot spectator shelter with a covered handicap accessible ramp. The structure is to be located at the east end of the ice rink immediately adjacent to rink perimeter. The new structure is located partially below the elevated roof covering the ice rink. The structural system includes spread concrete footings and foundation walls a partial structural steel framing for the structure. The buildings primary structural components are to be of non-combustible materials utilizing light gauge metal framing covered with fiberglass roof shingles and cedar sidewall shingles. The building is to be heated and ventilated by three electric fancoil units suspended from the structure above. Site work is limited to a sub-surface connection of new building downspouts to an existing storm outlet, the restoration of disturbed pavement surrounding the rink and the construction of a dry stack CMU retaining wall along with re-grading of a grassy slope adjacent to the building site to provide an asphalt walkway around the Shelter.

Project Team

Architects: FLETCHER-THOMPSON, INC.
160 Trumbull Street, 4th Floor, Hartford, CT
Contact: MARK A. HOPPER, AIA
800.331.8010

Structural Engineers: FLETCHER-THOMPSON, INC.
Special Inspector 160 Trumbull Street, 4th Floor, Hartford, CT
Contact: TBD
800.331.8010

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Request for Proposal
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Owner: Town of Simsbury
933 Hopmeadow Street
Simsbury, CT. 06070
(860) 651-3260

Contacts: Public Building Committee
Jerome F. Shea, P.E., Town Engineer
(860) 658-3260

Project Status

Currently, the project is approved, funded and has been bid.

Construction is planned to occur over the period from mid June 2016 through Sept. 2016.

Scope of Work

The scope for testing, laboratory work, and site inspections shall include the items listed in the Schedule of Inspections and Testing Agencies, a copy of which is attached.

The selected firm shall meet with the Architect, Special Inspection Coordinator, Contractor and Building Official in order to review schedules, notification requirements, methods of communications, and procedures to carry out the testing and inspections. The selected firm shall meet the required minimum qualifications of inspection agents.

Scope of Services

1. Collect all samples from the site and conduct required tests.
2. Verify that the steel fabricator maintains detailed fabrication and quality control procedures in accordance with the contract documents and referenced standards.
3. Submit laboratory test results, in a timely manner, and notify the contractor, owner, architect and contract administrator of any discrepancies, omissions or failure.
4. Make visits as necessary to inspect work designated on the Statement of Special Inspections and prepare inspection reports for each site visit.
5. Conduct follow-up site inspections to verify corrections to any deficient work.

Request for Proposal Submittal Requirements

1. Submit a detailed rate schedule for personnel, tests, minimum time for visits, travel expenses, and combined field sample/inspections, and pick-up fees.
2. List of similar projects completed within the last 3 years, including size and type of building, location of project and contact references.
3. List of personnel, their backgrounds, certifications and areas of expected utilization on the project.
4. Submit 2 copies of Proposal.

Process

1. The Public Building Committee is expected to review the proposals, and select a firm at their June 2016 meeting.
2. Final fees may be as negotiated by the Committee.
3. A professional services Letter of Agreement will be prepared by the selected firm, reviewed and approved by the Committee.
4. Appropriate evidence of necessary insurance will be required.

Schedule of Inspection and Testing Agencies

This Statement of Special Inspections / Quality Assurance Plan includes the following building systems:

- | | |
|---|--|
| <input checked="" type="checkbox"/> Soils and Foundations | <input type="checkbox"/> Spray Fire Resistant Material |
| <input checked="" type="checkbox"/> Cast-in-Place Concrete | <input type="checkbox"/> Wood Construction |
| <input type="checkbox"/> Precast Concrete | <input type="checkbox"/> Exterior Insulation and Finish System |
| <input type="checkbox"/> Masonry | <input type="checkbox"/> Mechanical & Electrical Systems |
| <input checked="" type="checkbox"/> Structural Steel | <input type="checkbox"/> Architectural Systems |
| <input checked="" type="checkbox"/> Cold-Formed Steel Framing | <input type="checkbox"/> Special Cases |

Special Inspection Agencies	Firm	Address, Telephone, e-mail
1. Special Inspection Coordinator	<i>T.B.D.</i>	
2. Inspector		
3. Inspector		
4. Testing Agency	<i>T.B.D.</i>	
5. Testing Agency		
6. Other		

Note: The inspectors and testing agencies shall be engaged by the Owner or the Owner's Agent, and not by the Contractor or Subcontractor whose work is to be inspected or tested. Any conflict of interest must be disclosed to the Building Official, prior to commencing work.

Quality Assurance Plan

Quality Assurance for Seismic Resistance

Seismic Design Category *B*

Quality Assurance Plan Required (Y/N) *N*

Description of seismic force resisting system and designated seismic systems:

Light Framed Wall System Using Flat Strap Bracing

Quality Assurance for Wind Requirements

Basic Wind Speed (3 second gust) *95 MPH*

Wind Exposure Category *C*

Quality Assurance Plan Required (Y/N) *N*

Description of wind force resisting system and designated wind resisting components:

Light Framed Wall System Using Flat Strap Bracing

Statement of Responsibility

Each contractor responsible for the construction or fabrication of a system or component designated above must submit a Statement of Responsibility.

Qualifications of Inspectors and Testing Technicians

The qualifications of all personnel performing Special Inspection and testing activities are subject to the approval of the Building Official. The credentials of all inspectors and testing technicians shall be provided if requested.

Key for Minimum Qualifications of Inspection Agents:

When the Registered Design Professional in Responsible Charge deems it appropriate that the individual performing a stipulated test or inspection have a specific certification or license as indicated below, such designation shall appear below the *Agency Number* on the Schedule.

PE/SE	Structural Engineer – a licensed SE or PE specializing in the design of building structures
PE/GE	Geotechnical Engineer – a licensed PE specializing in soil mechanics and foundations
EIT	Engineer-In-Training – a graduate engineer who has passed the Fundamentals of Engineering examination

American Concrete Institute (ACI) Certification

ACI-CFTT	Concrete Field Testing Technician – Grade 1
ACI-CCI	Concrete Construction Inspector
ACI-LTT	Laboratory Testing Technician – Grade 1&2
ACI-STT	Strength Testing Technician

American Welding Society (AWS) Certification

AWS-CWI	Certified Welding Inspector
AWS/AISC-SSI	Certified Structural Steel Inspector

American Society of Non-Destructive Testing (ASNT) Certification

ASNT	Non-Destructive Testing Technician – Level II or III.
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International Code Council (ICC) Certification

ICC-SMSI	Structural Masonry Special Inspector
ICC-SWSI	Structural Steel and Welding Special Inspector
ICC-SFSI	Spray-Applied Fireproofing Special Inspector
ICC-PCSI	Prestressed Concrete Special Inspector
ICC-RCSI	Reinforced Concrete Special Inspector

National Institute for Certification in Engineering Technologies (NICET)

NICET-CT	Concrete Technician – Levels I, II, III & IV
NICET-ST	Soils Technician - Levels I, II, III & IV
NICET-GET	Geotechnical Engineering Technician - Levels I, II, III & IV

Exterior Design Institute (EDI) Certification

EDI-EIFS	EIFS Third Party Inspector
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Other

Item	Agency # (Qualif.)	Scope
1. Shallow Foundations	PE/GE	<p><i>Inspect soils below footings for adequate bearing capacity and consistency with geotechnical report.</i></p> <p><i>Inspect removal of unsuitable material and preparation of subgrade prior to placement of controlled fill</i></p>
2. Controlled Structural Fill	PE/GE	<p><i>Perform sieve tests (ASTM D422 & D1140) and modified Proctor tests (ASTM D1557) of each source of fill material.</i></p> <p><i>Inspect placement, lift thickness and compaction of controlled fill.</i></p> <p><i>Test density of each lift of fill by nuclear methods (ASTM D2922)</i></p> <p><i>Verify extent and slope of fill placement.</i></p>

Cast-in-Place Concrete

Item	Agency # (Qualif.)	Scope
1. Mix Design	ACI-CCI ICC-RCSI	<i>Review concrete batch tickets and verify compliance with approved mix design. Verify that water added at the site does not exceed that allowed by the mix design.</i>
2. Material Certification	PE/SE/EIT	<i>Review concrete submittals and verify compliance with project specifications.</i>
3. Reinforcement Installation	ACI-CCI ICC-RCSI	<i>Inspect size, spacing, cover, positioning and grade of reinforcing steel. Verify that reinforcing bars are free of form oil or other deleterious materials. Inspect bar laps and mechanical splices. Verify that bars are adequately tied and supported on chairs or bolsters</i>
4. Anchor Rods		<i>Inspect size, positioning and embedment of anchor rods. Inspect concrete placement and consolidation around anchors.</i>
5. Concrete Placement	ACI-CCI ICC-RCSI	<i>Inspect placement of concrete. Verify that concrete conveyance and depositing avoids segregation or contamination. Verify that concrete is properly consolidated.</i>
6. Sampling and Testing of Concrete	ACI-CFTT ACI-STT	<i>Test concrete compressive strength (ASTM C31 & C39), slump (ASTM C143), air-content (ASTM C231 or C173) and temperature (ASTM C1064).</i>
7. Curing and Protection	ACI-CCI ICC-RCSI	<i>Inspect curing, cold weather protection and hot weather protection procedures.</i>

Item	Agency # (Qualif.)	Scope
1. Fabricator Certification/ Quality Control Procedures <input type="checkbox"/> Fabricator Exempt	AWS/AISC- SSI ICC-SWSI	<i>Review shop fabrication and quality control procedures.</i>
2. Material Certification	AWS/AISC- SSI ICC-SWSI	<i>Review certified mill test reports and identification markings on wide-flange shapes, high-strength bolts, nuts and welding electrodes</i>
3. Bolting	AWS/AISC- SSI ICC-SWSI	<i>Inspect installation and tightening of high-strength bolts. Verify that splines have separated from tension control bolts. Verify proper tightening sequence. Continuous inspection of bolts in slip-critical connections.</i>
4. Welding	AWS-CWI ASNT	<i>Visually inspect all welds. Inspect pre-heat, post-heat and surface preparation between passes. Verify size and length of fillet welds.</i> <i>Ultrasonic testing of all full-penetration welds.</i>
5. Structural Details	PE/SE/EIT	<i>Inspect steel frame for compliance with structural drawings, including bracing, member configuration and connection details.</i>

Cold-Formed Steel Framing

Item	Agency # (Qualif.)	Scope
1. Framing Details	PE/SE/EIT	<i>Inspect framing for compliance with structural drawings and approved shop drawings, including bracing, member configuration and connection details.</i>
2. Diaphragm and Braced Walls	PE/SE/EIT	<i>Inspect size, configuration, blocking and fastening of braced walls and diaphragms.</i>