TOWN OF BERLIN
Department of Public Works
240 Kensington Road • Berlin, CT 06037
Office (860) 828-7022 • **Fax** (860) 828-7180

INVITATION TO BID FOR:
Miscellaneous Concrete Sidewalks

ITB NUMBER: 2025-09
ITB OPENING DATE: January 23, 2025
ITB OPENING TIME: 2:00PM
ITB OPENING PLACE: Berlin Town Hall, Room 120, Town Engineer

The Town of Berlin is seeking bids for the installation of new concrete sidewalks, reconstruction of existing sidewalks and bituminous concrete driveway aprons, and related work, at various locations within the Town of Berlin for the 2025 and 2026 construction seasons, through December 31, 2026. The intent of this bid is to establish unit pricing for the various sidewalk related items, so that in the event a particular need arises, the Town will have a contractor available.

Sealed bids will be accepted at the office of the Town Engineer, Berlin Town Hall - Room 120, 240 Kensington Road, Berlin, CT 06037 until, but no later than 2:00 P.M., Thursday, January 23, 2025, at which time they will be publicly opened, read and recorded. The Town will not accept submissions by e-mail or fax. The Town will reject proposals received after the date and time noted above.

Specifications and bid proposal documents for the proposed contract are available on the Town's website, www.berlinct.gov, under Departments, Purchasing, & Current Bids and RFPs, or from the Purchasing office, Berlin Town Hall Room 110, 240 Kensington Rd, Berlin, CT 06037 during normal business hours. **Each proposer is responsible for checking the Town's website to determine if the Town has issued any addenda and, if so, to complete its proposal in accordance with the RFP as modified by the addenda.**

The Town of Berlin is an Equal Opportunity Employer; Minority/Women's Business Enterprises are encouraged to apply. The Town reserves the right to amend or terminate this Request for Proposals, reject all proposals, waive any informalities, and award the contract to the proposer that is deemed to be in the best interests of the Town.

Maryssa Tsolis
Purchasing Agent

TOWN OF BERLIN, CONNECTICUT

STANDARD INSTRUCTIONS TO PROPOSERS

Miscellaneous Concrete Sidewalks

BID #2025-09

The Town of Berlin is requesting your proposal for installation of new concrete sidewalks and the reconstruction of existing concrete sidewalks. The sidewalks will be constructed at various locations throughout the Town. The work shall consist of excavation and removal of existing lawns, drives, road pavement and curbing; and other existing improvements to subgrade; furnishing and placing compacted 8-inch base; form work; furnishing, placing and curbing concrete; and restoration of all disturbed areas including lawns, driveways, road pavement and curbing; all in accordance with the attached specifications. The bidder is advised that quantities shown as part of the bid may not reflect a true and accurate estimate of the work to be performed. The intent of this bid is to establish unit pricing for the various items shown so that in the event a particular need arises requiring sidewalks, the Town will have a contractor available at known unit rates. This contract will involve work to be performed during the 2025 and 2026 construction seasons until December 31, 2026, with up to two, two-year extensions, as approved by the Town.

Although the sidewalks are to be installed within the public highway limit, cultivated shrubbery, trees, pebbles, woodchips or planted ground cover, or other improvements, may be located in the way of the proposed sidewalks. It shall be the responsibility of the adjoining property owner to remove such improvement, if wanted. However, the Contractor shall notify each owner at least one week prior to disturbing these areas, so that the owner may make necessary arrangements for the removal of desired items. Handicapped accessible ramps will be constructed to Town specifications.

The quoted personnel and equipment shall be used by the Town for work related to concrete sidewalk construction during a period beginning in/after February 2025 and ending December 31, 2026. Work will be assigned by a representative of the Berlin Department of Public Works. Personnel provided should be competent to perform assigned tasks, and equipment should be in excellent operating condition. Prices quoted shall include all costs related to the personnel and equipment provided.

Prior to commencing work, all suppliers of personnel and equipment shall be required to be licensed by the Town of Berlin, Public Works Department, and must maintain any necessary licenses with the State of Connecticut. The selected suppliers must maintain insurance that meets the Town's insurance requirements (listed below), to protect the Town from claims for loss or injury which might arise out of or result from the operations under this contract. Additionally, all selected suppliers must file Certificates of Insurance with the Town, naming the Town as an additional insured.

a) Worker's Compensation, employer liability (or statutory limits - greater of two), $1,000,000.
b) Comprehensive General Liability with limits of not less than $1,000,000.00 per occurrence.
c) Professional Liability with limits not less than $1,000,000.

d) Umbrella Liability of not less than $1,000,000.
e) Comprehensive Automobile Liability (owned, non-owned, hired) of $1,000,000.00 each accident.

Your proposal should be submitted in a sealed envelope marked "**Bid #2025-09 Miscellaneous Concrete Sidewalks**" to the office of the Town Engineer (Room 120), Berlin Town Hall, 240 Kensington Road, Berlin, CT 06037, no later than 2:00 P.M., Thursday, January 23, 2025. You may elect to quote on any or all of the requested items, and to offer substitutions. However, the Town of Berlin reserves the right to reject any or all proposals (or parts thereof), to award the work to more than one bidder, and to waive minor irregularities in the bidding, if deemed to be in the best interest of the Town. The Proposal Form is attached.

Questions concerning the specifications, process and procedures applicable to this ITB are to be submitted in writing (including e-mail or fax) and directed only to Maryssa Tsolis, Purchasing Agent (Email: mtsolis@berlinct.gov Fax: (860)828-8628). Proposers are prohibited from contacting any other Town employee, officer, or official concerning this ITB. The Town will answer all written questions by issuing one or more addenda, at least four calendar days prior to the ITB Opening Date. Each proposer is responsible for checking the Town's website to determine if any addenda have been issued.

Key Dates:

ITB Advertised	01/03/2025
Questions Due from Vendors	01/16/2025
ITB Opening Date	01/23/2025 @ 2:00 P.M.
Contract Execution Date	02/07/2025 (estimated)

SPECIFICATIONS FOR THE INSTALLATION OF CONCRETE SIDEWALK AND CURB IN THE TOWN OF BERLIN

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1. GENERAL

   a. Unless otherwise specified herein, all materials and methods used in the construction of concrete sidewalks shall be in conformance with the Standard Specifications for Roads, Bridges and Incidental Construction of the Bureau of Highways, Connecticut Department of Transportation, Form 819, as revised.

   b. Definitions:

      1. Town Engineer - The Town Engineer of the Town of Berlin and/or the authorized agent.

      2. ASTM - The American Society for Testing and Materials.

      3. Bureau of Highways - The Bureau of Highways of the Connecticut Department of Transportation, or its successor agency, having jurisdiction over the state highways.

   c. Wherever standard specifications are referenced throughout this section, it shall mean the latest revision of the specification shall prevail.

2. MATERIALS

   a. Portland cement shall conform to Specifications for Portland Cement ASTM Designation C-150 and must be manufactured in the United States. Only Type II cement shall be used.

   b. Aggregates shall conform to Connecticut Bureau of Highways specifications for concrete aggregate. Only crushed trap rock shall be used as a coarse aggregate.

      A minimum of two sizes of stone shall be blended at the time of batching and must meet the gradation requirements as required in Concrete Aggregate Specifications ASTM Designation C-33. Laboratory tests of all proposed aggregates shall be made in accordance with ASTM Specifications C-33 prior to placing any concrete. Materials shall be tested and approved on an annual basis, or when the source of materials is changed, or at any time when requested by the Town Engineer.

   c. Water used in mixing concrete shall be clean and free from deleterious amounts of acids, alkalies, or organic materials.

   d. Air-Entraining Materials - The entrainment of air in concrete shall be accomplished by adding an air-entraining mixture at the time of batching. Admixtures added to the sand or water shall conform with Specifications for Air-Entraining Admixtures for Concrete, ASTM Designation C-260.

e. Water Reducing and Set Retarding Admixtures which meet ASTM Specifications C-494, for chemical mixtures for concrete, may be used in concrete mixes, with prior approval of the Town Engineer, and their use shall not reduce the minimum content of cement as specified.

f. Mesh reinforcement shall be used in all concrete driveway walks and aprons. Mesh material shall be of 6" x 6" No. 8 gauge welded steel wire conforming to ASTM Specifications A-185. Concrete for all driveway walks and aprons shall be a minimum of 8" thick. Mesh shall be placed no less than 2" and no more than 3" from the bottom of the slab.

g. Preformed non-extruding joint filler must be used and must conform to the ASTM Specification D1751-65 or AASHO Specification M213-65 or Federal Specification HH-F-341E Type 1.

h. Processed aggregate base shall meet Connecticut Bureau of Highways Specification for Crusher Run Stone, Form 810 M-02-02-2, or for Processed Aggregate Base and Pavement Form 810 MOS.01.

3. CONCRETE QUALITY

a. Minimum Strength 4,000 PSI.

b. Minimum cement content shall not be less than 6.75 sacks per cubic yard.

c. Maximum size of aggregate shall not exceed 1".

d. Maximum water content shall not exceed 5.3 gal. per sack of cement.

e. Slump shall be 2-1/2 inches, plus or minus 1/2 inch.

f. The amount of entrained air shall be between 5 and 7 percent air by volume.

g. Test for air content of fresh concrete shall be made during construction.

Because of the effects of mixing and vibration samples for air content, samples should be taken from concrete after it has been placed by qualified technicians per ASTM C-231, periodically, or any time, as requested by the Town Engineer.

4.a. TESTS AND INSPECTION

The Town Engineer is authorized to conduct, or have conducted, such tests as deemed necessary, of concrete used in work under these specifications. The contractor shall furnish to the Town Engineer, concrete under job conditions for the making of standard test cylinders. The Town Engineer shall base his approval of methods and details of proportioning, batching, mixing and placing of concrete upon the results of these tests.

The contractor shall forward daily to the Town Engineer, a copy of each concrete delivery slip for each truck load of concrete which will include all data as specified in Item 3.

The Town Engineer, at any time, may require batch plant inspection to certify the weights of all materials as batched into trucks serving construction of any sidewalks or curbs in the Town of Berlin.

4.b. BATCH PLANT APPROVAL

Any concrete producer will be required to show that his plant and equipment must meet all requirements as established by ASTM designation C94-67, and shall also be currently approved by the State of Connecticut Bureau of Highways.

5. CONCRETE WALKS - HOW LAID

a. Contractor shall excavate to a depth of 13" below the finished grade of the proposed walk, then fill in with a depth of 8" of processed aggregate to be well tamped so as to leave a firm and even surface. Then fill to a minimum of 5" (including mesh reinforcement) with a mixture of concrete as specified in Item 2.

Excavation for driveway walks and aprons shall be a minimum of 16" below finished grade. The base is to be 8" processed aggregate and the walk and apron to be 8" reinforced concrete.

Walks, when laid, shall be at least four (4) feet wide, or to a width ordered by the Town Engineer and laid with the following cross-pitch. From the inner edge of concrete walk to the outer edge of concrete walk, a decline of one-quarter (1/4) inch per foot.

b. All concrete walks shall be blocked out in 10-foot sections with 1/4" expansion joint every twenty (20) feet. A dummy or blind joint of 3/4" depth shall be marked in the center of each 10-foot section. Blocks may be made larger or smaller but only with permission from the Town Engineer.

c. In full concrete walks between the curb and any building, there shall be placed a strip of 1/2" non-extruding expansion joint at the building line. The expansion joint shall be laid flush with the finished surface of the concrete walk.

d. The forms used shall be steel or wood firmly supported to line and grade with 1/4" steel cross forms (templates) properly placed to the full depth of the concrete. All forms shall be cleaned and oiled or wetted before placing concrete. The accuracy of the alignment and grade elevation of the form as to the conformity with the established line and grade as given by the Town Engineer, shall be checked before placing the concrete. Also, the forms shall be examined for stability of setting.

The correct cross sections of the sub-grade shall be checked before the concrete is placed by testing with a template of wood or metal, the bottom surface of which conforms to the desired contour. Any irregularities thus indicated shall be corrected.

e. All walks and driveway aprons must be protected from travel for at least 72 hours.

6. PLACING AND FINISHING OF CONCRETE

a. Before the concrete is placed, the sub-grade shall be thoroughly dampened so that it is moist throughout, but without puddles of water. Concrete shall be placed immediately after mixing and may be placed in one course. The concrete shall be well spaded against the sides of the forms to eliminate voids. The cross forms shall be left in place until the concrete has received its initial set.

b. No finishing operation shall be performed while free water is present. Finishing operations shall be delayed until all water and water sheen has left the surface and the concrete has started to stiffen. When partially set, the concrete surface shall be struck off with a template and shall be floated with a wood float. After floating, and after the water sheen has disappeared, a jointer shall be used to form a round edge not exceeding 1/4" radius at all surface edges and joints.

After edging and jointing operations, the surface shall be floated with either a wood or a magnesium float.

If necessary, tooled joints and edges shall be rerun after floating to maintain uniformity.

After floating, the surface shall be brushed by drawing a soft-bristled push broom with a long handle over the surface of the concrete to produce a nonslip surface.

7. CURING

a. Concrete shall be protected so that little or no moisture is lost during the early stages of hardening. Newly placed concrete shall not be permitted to dry out too fast and must be protected from the sun and drying winds. This may be done with burlap or canvas coverings kept continuously wet.

8. CONCRETE CURBS

a. All concrete curbs will be constructed with materials and methods as prescribed above for concrete sidewalks as applicable.

b. The contractor shall excavate to a depth of 20" below finished grade of curbs.

The bottom of the curb shall be 8" wide for a distance of 10" in height, then a gradual taper on a straight line of curb so that the top of the finished curb shall be 6" wide.

The accuracy of the alignment in grade elevation of the forms as to conforming with the established line and grade as given by the Town Engineer, shall be checked before placing the concrete in the forms and shall be examined for stability of setting. Any irregularity thus indicated shall be corrected.

The concrete curb shall be poured in sections not less than six (6) feet and not more than twenty (20) feet. Non-protruding expansion joints 3/4" thick by the width and depth of the curb shall be placed at a maximum of twenty (20) feet apart. Only the non-extruding expansion joint specified above shall be used and shall be placed so the top of the joint will be flush with the top of the concrete.

Curbs shall be protected from traffic for at least 72 hours after construction. The curbs shall be cured and treated for frost protection in accordance with paragraph 7 above.

9. CONCRETING IN COLD WEATHER

See Section 6.01.03, Standard Specs for Roads, Bridges and Incidental Construction, Bureau of Highways, Connecticut Department of Transportation.

TOWN OF BERLIN, CONNECTICUT

PROPOSAL FORM

Miscellaneous Concrete Sidewalks

BID # 2025-09

For installation of concrete sidewalks, complete as and where specified, the following unit prices are proposed: (Note: Unit prices per item govern; estimated quantities may vary and are dependent upon the actual schedule of work to be performed; total prices quoted are for bid comparison only.)

1. For five (5) inch thick walks, four (4) foot wide, including all fill material as required, and an eight (8) inch thick process stone base, the sum of _____dollars and _____cents ($_____) per linear foot; 50 linear feet estimated,
   Total Estimated Price $_____.

2. For five (5) inch thick walks, five (5) foot wide, including all fill material as required, and an eight (8) inch thick processed stone base, the sum of _____dollars and _____cents ($_____) per linear foot; 50 linear feet estimated,
   Total Estimated Price $_____.

3. For eight (8) inch thick reinforced walks, four (4) foot wide, including all fill material, and an eight (8) inch thick processed stone base, the unit price of _____dollars and _____cents ($_____) per linear foot; 25 linear feet estimated,
   Total Estimated Price $_____.

4. For eight (8) inch thick reinforced walks, five (5) foot wide, including all fill material, and an eight (8) inch thick processed stone base, the unit price of _____dollars and _____cents ($_____) per linear foot; 25 linear feet estimated,
   Total Estimated Price $_____.

5. For the removal of old walk, excavate soil and replace with 8" processed stone and five (5) inch thick walk, four (4) foot wide, the unit price of $_____ per linear foot; 100 feet estimated,
   Total Estimated Price $_____.

6. For the removal of old walk, excavate soil and replace with eight (8) inch processed stone and eight (8) inch thick reinforced walk in driveway area, four (4) foot wide, the unit price of $_____ per linear foot; 25 feet estimated,
   Total Estimated Price $_____.

7. For the removal of old walk, excavate soil and replace with eight (8) inch processed stone and five (5) inch thick walk, five (5) foot wide, the unit price of $_____ per linear foot; 100 feet estimated,
   Total Estimated Price $_____.

8. For the removal of old walk, excavate soil and replace with eight (8) inch processed stone and eight (8) inch thick reinforced walk in driveway area, five (5) foot wide, the unit price of $_____ per linear foot, 25 feet estimated,
   Total Estimated Price $_____.

9. For the removal of six (6) inch Bituminous Concrete Lip Curbing, the unit price of $_____ per linear foot, 200 feet estimated,
   Total Estimated Price $_____.

10. For the installation of six (6) inch Bituminous Concrete Lip Curbing, the unit price of _____ dollars and _____ cents ($_____) per linear foot; 200 feet estimated,
    Total Estimated Price $_____.

11. For the removal of six (6) inch Bituminous Concrete Lip Curbing, five (5) foot wide grassed shoulder and four (4) foot wide concrete sidewalk, the unit price of $_____ per linear foot; 400 feet estimated,
    Total Estimated Price $_____.

12. For the installation of an eight (8) inch processed stone base and eight (8) inch thick reinforced concrete walk eight (8) feet wide and a six (6) inch thick, six (6) inch wide monolithic concrete curb, the unit price of $_____ per linear foot; 400 feet estimated,
    Total Estimated Price $_____

13. For the installation of concrete curbing, where and as ordered, complete in place, the unit price of $_____ per linear foot; 50 feet estimated,
    Total Estimated Price $_____.

14. For furnishing and installing borrow material compacted in place, complete, the unit price of $_____ per cubic yard; 20 cubic yards estimated,
    Total Estimated Price $_____.

15. For furnishing and installing bank run gravel compacted in place, complete, the unit price of $_____ per cubic yard; 20 cubic yards estimated,
    Total Estimated Price $_____.

16. For permanent pavement restoration of driveways to include an eight (8) inch processed stone base and a compacted two (2) inch bituminous concrete pavement, where and as ordered, the unit price of $_____ per square yard; 100 square yards estimated,
    Total Estimated Price $_____.

17. For restoration of maintained lawns, where and as ordered, to include 6" of loam and sod, complete, the unit price of $_____ per square yard; 100 square yards estimated,
    Total Estimated Price $_____.

18. For restoration of maintained lawns, where and as ordered, to include 6" of screened loam, seed, fertilization and mulch, complete, the unit price of $_____ per square yard; 100 square yards estimated,
    Total Estimated Price $_____.

19. For restoration of non-maintained lawns, where and as ordered, to include 3” of loam, seed, fertilization and mulch, complete, the unit price of $_____ per square yard; 100 square yards estimated,
    Total Estimated Price $_____.

20. For removal of old walk and concrete curb (or bituminous curb) four (4) feet wide, and return to previous condition, the unit price of $_____ per linear foot; 25 feet estimated,
    Total Estimated Price $_____.

21. For removal of old walk and concrete curb (or bituminous curb) five (5) feet wide, and return to previous condition, the unit price of $_____per linear foot; 25 feet estimated,
    Total Estimated Price $_____.

22. For handicapped ramps, complete, the unit price of $_____ per ramp; five estimated,
    Total Estimated Price $_____.

23. For the establishment of traffic control through a uniformed flagman, the unit price of $_____ per hour; 100 hours estimated,
    Total Estimated Price $_____.

24. For the establishment of traffic control through a uniformed policeman, the unit price of $_____ per hour; 100 hours estimated,
    Total Estimated Price $_____.

25. For the removal of old wider sidewalks/plaza areas (e.g., in front of schools), excavate soil and replace with 8" processed stone and five (5) inch thick reinforced concrete walk/plaza areas, the unit price of _____dollars and _____cents ($_____) per square foot; 100 feet square feet estimated,
    Total Estimated Price $_____.

26. For the removal of old wider sidewalks/plaza areas/dumpster pads/loading ramps, excavate soil and replace with 8" processed stone and eight (8) inch thick reinforced concrete walk/plaza areas, the unit price of _____dollars and _____cents ($_____) per square foot; 100 feet square feet estimated,
    Total Estimated Price $_____.

27. For the removal of existing catchbasin tops (Type C or C-L) associated with sidewalk/curbing projects, and installation of new catchbasin tops supplied by the Town, including concrete block adjusting course as needed, the unit price of _____dollars and _____cents ($_____) per catchbasin top; ten estimated,
    Total Estimated Price $_____.

TOTAL OF ALL ITEMS AS COMPUTED BY BIDDER $_____

_____ _____

Date Signature

_____

Printed Name, Title

_____

Company Name

_____

Address

_____

Telephone

_____

E-mail address