



HUBBELL, ROTH & CLARK, INC
CONSULTING ENGINEERS SINCE 1915

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OTHER OFFICE LOCATIONS

Delhi Township
Detroit
Grand Rapids
Howell
Jackson
Kalamazoo
Lansing

**ADDENDUM NO. 1
TO SPECIFICATIONS AND PLANS FOR THE
BRANDON PARK EXPANSION PROJECT
BRANDON TOWNSHIP
OAKLAND COUNTY, MICHIGAN**

ISSUED: March 12, 2019

HRC Job No. 20170053

This Addendum is issued prior to receipt of bids to provide for certain changes and clarifications to the Specifications and/or the Plans, as herein specified, and is hereby made a part of the Contract Documents and shall be taken into consideration in preparing the Proposal. All other conditions remain the same.

The Bidder shall acknowledge the receipt of this Addendum by completing the Addenda section of the Proposal. Failure to acknowledge Addendum No. 1 on the Proposal Sheets in the submission of bids may be justification for the bid proposal being rejected as non-responsive.

Please note that the date and time of the bid opening is still scheduled for Wednesday April 10, 2019, at 10:00 a.m. at Brandon Township, 395 Mill Street, P.O. Box 929, Ortonville, Michigan 48462. Failure to submit the bid to the Brandon Township Clerk by the designated time may be justification for the bid proposal being rejected as non-responsive.

The following lists the extent of this Addendum. Descriptions of the changes or clarifications are given within each heading.

SPECIFICATIONS

REISSUED

- Advertisement For Bids 00030/1 updated to include Work Schedule and Mandatory Pre Bid Meeting.
- Steel Chain Link Fence 02832/1,2 updated to include Type IC fencing materials.
- Permits 02990/1 updated to include permits for Road Commission of Oakland County and NDPES Notice of Coverage.

Summary:

This Addendum No. 1 has been issued in order to clarify, modify, and add additional items to the original Bid Package. The Contractor shall acknowledge receipt of this Addendum No. 1 by signing in the location provided below and incorporating this Addendum No. 1 with the submission of his bid.

Failure to include Addendum No. 1 and its attachments may result in rejection of the bid.

Very truly yours,

HUBBELL, ROTH & CLARK, INC.



Albert Mickalich, PE
Senior Associate

APM/jac

Attachments; Advertisement For Bids (Section 00300), Permits (Section 02990)

pc: All Prospective Bidders

Brandon Township; Candee Allen, Clerk, Fred Waybrant, Director, Parks and
Recreation

HRC; J. Burton, File

Accepted:

Company: _____

Signature: _____

Printed Name: _____ Title: _____

Dated: _____

ADVERTISEMENT FOR BIDS
BRANDON PARK
EXPANSION
OAKLAND COUNTY, MICHIGAN

Sealed proposals for the construction of the Brandon Park Expansion will be received by the Brandon Township, 395 Mill Street, P.O. Box 929, Ortonville, Michigan 48462, Attention Township Clerk until 10:00 a.m., Local Time on Wednesday, April, 10, 2019, at which time and place all bids will be publicly opened and read.

Bidders shall review and comply with the Instructions to Bidders, which are incorporated by reference, and carefully review all Contract Documents, as defined in the Instructions to Bidders. Bids submitted after the exact time specified for, receipt will not be considered.

The Contracts will consist of the following principal items of work and appurtenances as specified herein and shown on the Contract Drawings.

Description of Work

Division No. 1 Parking, Ballfield and walkways:

Work for this division consists of; clearing, soil erosion measures, earthwork, site grading, 6" gravel parking lot, walkways consisting of 2" crushed limestone fines over 4" crushed limestone, 6" reinforced concrete parking for ADA parking, boulder retaining walls, rain gardens, parking lot striping, baseball fields with base systems and infield/outfield material, chain link backstops, 4" concrete dugouts with aluminum benches, gates and chain link fencing (varied heights), outfield fencing with protection, plastic recycled site benches, parking and identification signage, plastic recycled trash and recycle bins.

Division No. 2 Parking, Basketball Volleyball Court and walkways:

Work for this division consists of; clearing and grubbing, soil erosion measures, earthwork, site grading, 6" 21AA gravel parking lot, walkways consisting of 2" crushed limestone fines over 4" crushed limestone, 6" reinforced concrete parking for ADA parking, ADA signage, parking lot striping, 1-4" reinforced concrete basketball court with backboard system and court striping, 4-sand volleyball courts (15" deep) with nets/systems, plastic recycled benches, picnic tables, trash and recycle bins, and solar light poles.

Work Schedule

The Contractor is to submit their proposed construction schedule, work plan and sequence of operations with the Bid Proposal. Failure to provide same shall be considered an irregularity in the bidding process and may be grounds for dismissal of the bid as non-responsive.

PRE-BID MEETING

A MANDATORY PRE-BID MEETING IS SCHEDULED FOR WEDNESDAY, MARCH 20TH, 2019 AT 10:00 A.M. AT THE BRANDON TOWNSHIP OFFICES. CRITICAL PROJECT SCHEDULING AND WORK SEQUENCING, REQUIRED PERMITS, REVIEW OF CONTRACT DOCUMENTS, USE OF PREMISES, CONSTRUCTION FACILITIES, SURVEY AND LAYOUT, SITE SECURITY, TESTING AND OTHER PROJECT CRITERIA WILL BE DISCUSSED. FAILURE TO ATTEND THE PRE-BID MEETING SHALL BE CONSIDERED GROUNDS FOR DISQUALIFICATION OF CONTRACTORS AS POTENTIAL BIDDERS.

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All contractors that will be soliciting bids for this project must be aware and adhere to the following requirements:

1. **State or federal funds are being used to assist in construction and relevant State or federal requirements will apply.**
2. **The Contractor selected for this project must comply with all requirements of 1976 PA 453 (Elliott-Larsen Civil Rights Act) and 1976 PA 220 (Persons with Disabilities Civil Rights Act), as amended. In accordance with these laws, all contracts you enter into must contain a covenant: *The contractor and any subcontractors not to discriminate against an employee or applicant for employment with respect to hire, tenure, terms, conditions, or privileges of employment, or a matter directly or indirectly related to employment, because of race, color, religion, national origin, age, sex, height, weight, marital status or a disability that is unrelated to the individual's ability to perform the duties of a particular job or position. A breach of this covenant will be regarded as a material breach of the contract and of your Project Agreement.***

Copies of Plans and Specifications and Proposal Forms shall be available on or after 1:00 p.m. March 1, 2019 at the offices of Hubbell, Roth & Clark, Inc., Consulting Engineers, 555 Hulet Drive, Bloomfield Hills, Michigan 48302-0360.

A non-refundable payment of sixty dollars (\$60.00) Dollars, **CHECK ONLY, payable to** "Hubbell, Roth & Clark, Inc." will be required for each set of Drawings and Specifications. Drawings and Specifications can be shipped by U.P.S. ground for a shipping and handling charge of Twenty (\$20.00) Dollars, CHECK ONLY, non-refundable, to Hubbell, Roth & Clark, Inc. The Bidder is advised that to submit a bid on this project, the Bidder must have purchased a set of Plans and Specifications from Hubbell, Roth & Clark, Inc.

Proposals submitted by Bidders who have been debarred, suspended, or made ineligible by any Federal Agency will be rejected.

Each bidder agrees to waive any claim it has or may have against the Owner, the Architect/Engineer, and their respective employees, arising out of or in connection with the administration, evaluation, or recommendation of any bid.

Each bid proposal shall be submitted on the proposal forms provided and shall be accompanied by a certified check, cashier's check or bid bond, executed by the bidder and Surety Company, payable to the Hubbell, Roth and Clark, Inc. in the amount of five Percent (5%) of the accompanying bid. Proposal Guarantee shall provide assurance that the bidder will, upon acceptance of the bid, execute the necessary Contract with the Township of Brandon. No bid may be withdrawn after scheduled closing time for receiving bids for at least sixty (60) days.

The successful bidder will be required to furnish satisfactory Performance, Labor and Material, and Maintenance and Guarantee Bonds.

Brandon Township reserves the right to reject all bids and to waive irregularities in this process. No bid will be received and evaluated unless delivered to the Township on or before the date and time specified. All proposals shall be enclosed in sealed envelopes labeled as indicated below. Bids are firm and cannot be withdrawn for a period of 60 days after opening of the bids. If mailed, the sealed envelopes containing proposals shall be inserted in a separate mailing envelope labeled and addressed as follows:

No Proposal will be received unless made on blanks furnished and delivered to the Township Clerk on or before 10:00 a.m., Local time on Wednesday, April 10, 2019.

Addressed to:

Brandon Township
395 Mill Street
P.O. Box 929
Ortonville, MI 48462
Attn: Township Clerk

Labeled as:

Proposals for
Brandon Park Expansion
Brandon Township,
Oakland County, Michigan
HRC Job No. 20170053

Published in BidNet, on February 28, 2019.

Questions may be directed to Mr. Albert Mickalich, P.E. at Hubbell, Roth & Clark, Inc.
Telephone 248-454-6380 or 586-246-9872.
Email amickalich@hrcengr.com

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SECTION 02832

STEEL CHAIN LINK FENCE

MATERIALS

Fabric - The fabric shall be of the chain link type, with 2 inch mesh woven from a good commercial quality of steel wire. The woven fabric shall be hot-dip galvanized after weaving. The height of the fence shall be as specified on the Plans or authorized. Fabric of 60 inch height or less shall be fabricated from No. 11 gauge wire, and the fabric over 60 inches in height shall be fabricated from No. 9 gauge wire unless otherwise specified. The fabric shall meet the requirements for Class I of the current Specifications for Zinc-coated Steel Chain Link Fabric, ASTM Designation: A 392, or B6. The top selvage shall be knuckled and dressed below the top rail. The bottom selvage shall have a twisted and barbed finish. Barbing shall be done by cutting wire on a bias, thus creating sharp points.

Line Posts - The steel line posts shall be nominal 2.25 x 1.70 inch "C" section, weight 2.64 pounds per foot or nominal (1.875 x 1.625 H Section), weight 3.26 pounds per foot, or nominal 2-3/8 inch outside diameter steel pipe or tubing weighing 3.65 pounds per foot, galvanized. The line posts shall be 3 feet longer than the height of the fabric unless otherwise specified. The length of the posts shall include the post tops, up to the top rail.

End, Corner, Angle and Intermediate Braced Posts - The end, corner, angle, and intermediate braced posts shall be nominal 3" outside diameter steel pipe or tubing, weight 5.79 pounds per foot, or nominal 3.5" x 3.5" Type II, Wt. 4.847 #/ft. galvanized. The posts shall be 3 feet longer than the height of the fabric, unless otherwise specified. The length of the posts shall include the post tops, up to the top rail.

Braces - The horizontal braces for end, gate, angle, intersection and intermediate braced posts shall be made of nominal 1-5/8 inch outside diameter pipe or tubular steel, galvanized, weighing 2.27 pounds per lineal foot (or nominal 1.626" x 1.25 Type II wt. 1.35 lbs/ft). The braces shall be furnished with suitable metal connections so that they may be securely fastened to the posts.

NOTE: Materials for all fencing work shall meet either Group 1A or Group 1C requirements and as described in this specification herein.

Gate Posts - The gate posts shall be galvanized steel pipe. The outside diameter and weight per lineal foot of pipe used shall be as follows:

<u>Gate Opening (Single Swing)</u>	<u>Nominal Outside Dia. of Gate Posts</u>	<u>Nominal Weight Lb. Per L.F.</u>
6' and under	2-7/8"	5.79
7' to 13' (incl)	4"	9.11
14' to 18' (incl)	6-5/8"	18.97

The gate posts shall be of a length which will permit 3 feet to be set in a concrete base.

Gates - The gates shall be single and/or double swing of the size called for on the plans and shall meet the following requirements:

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The gate frames shall be constructed of galvanized steel pipe. The outside diameter and weight per lineal foot of pipe used for the gate frame shall be as follows:

<u>Nominal Gate Opening</u>	<u>Nominal Outside Diameter</u>	<u>Weight Lb. per LF</u>
6' and under	1-5/8"	2.27
7' to 18' (incl)	1.90"	2.72

All joints shall be welded or otherwise substantially fastened to form a rigid frame. Intermediate braces and truss rods of sufficient strength to prevent sagging shall be used. The gates shall be furnished complete with approved hinges, latches, keepers and stops.

The gate frames shall be filled with fabric meeting the requirements of fabric as specified herein.

Top Rail - The fence shall be equipped with a top rail nominal 1-5/8 inch outside diameter, tubular, galvanized steel, weighing 2.27 pounds per lineal foot, nominal 1.625" x 1.25" Type II, wt. 1.35 lbs/ft and shall be provided with expansion sleeves or couplings not less than 7 inches long. The top rail shall be furnished in lengths not less than 15 feet. The top rail shall pass through the line post tops to form a continuous brace end to end of each stretch of fence. The top rail shall be securely fastened to end, gate and corner posts by means of suitable connections. Note, refer to pipe materials groups stated above.

Weight Tolerance - The weight per foot for steel pipe or tubing for posts, braces and top rail shall be not less than 5 percent under the specified weights. The weight per foot for steel rolled sections shall be not less than 5 percent under the specified weight.

Post Tops and Extension Arms - Posts shall be fitted with ornamental tops or extension arms as shown on the plans or as specified.

When ornamental tops are specified for tubular posts, the base of the tops shall fit into the post with a flange extending over the top of the post to cap the post against moisture.

When extension arms are specified, the extension arms shall be pressed steel or malleable iron and shall be vertical or extend in or out from the fence line at approximately 45 degrees as specified on the plans or in the proposal. The extension arms shall be suitable for supporting three barbed wires, the top wire to be 12 inches above the fabric. The extension arms shall have suitable notches or slots for spacing the barbed wire.

Fabric Fastening - The fabric shall be fastened to the posts and top rail by means of metal bands or wires which are capable of securely holding the fabric in place. The wire shall be not less than #9 gauge. All fabric fastenings shall be aluminum or heavy galvanized steel. The bands or wire shall be spaced not more than 12 inches apart on the posts and not more than 15 inches apart on the top rail.

Fittings - All fittings used with the fencing and gates shall be malleable, wrought iron or pressed steel and shall be galvanized.

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Quality of Material - All steel materials entering into the construction of the fence shall be a good commercial quality, full weight, hot-dip, galvanized steel having a carbon content of not less than 0.10 percent, or Galvanized High Strength Material Heavy Industrial Steel Pipe (Group IC)

The weight of the zinc coating per square foot of actual surface on the posts, structural shapes and fittings shall average not less than 2 ounces, and no individual specimen shall show less than 1.8 ounces of zinc. The zinc coating shall conform to the current Specifications for Zinc (Hot galvanized) coating on Products Fabricated from Rolled, Pressed, and Forged Steel Shapes, Plates, Bars and Strip, ASTM Designation: A 123 and or B6.

CONSTRUCTION

Chain Link Fence - Chain Link Fence of the height of fence fabric, with or without barbed wire overhand as specified in the proposal to the alignment and grade shown on the plans or as directed by the Engineer.

The Chain Link Fence Fabric shall meet the requirements as specified under Fence Materials.

Setting Line Posts - The line posts shall be as specified under Fence Materials. The posts shall be 3 feet longer than the height of the fence fabric and shall be set in Grade 30S concrete and spaced 10 feet apart, center to center. The concrete footing shall be not less than 12 inches in diameter and not less than 3 feet deep.

End, Corner, Angle, Gate Intersection and Intermediate Braced Posts - The end, corner, angle, gate intersection and intermediate braced posts shall be as specified under Fence Materials. The posts shall be 3 feet longer than the height of the fence fabric and set in Grade 30S concrete at the locations shown on the plans. The concrete footing shall be not less than 18 inches in diameter and not less than 3 feet deep.

Intermediate braced posts shall be spaced at 660 foot intervals or midway between end post and corner post or angle post when the distance is less than 1,320 feet and more than 660 feet.

Angle posts shall be installed where there is a deflection of 30 degrees or more in the alignment of the fence.

An intersection post shall be set in line with intersecting fences. The intersecting fence shall be connected to the intersection pipe.

Gate Posts - Gate posts shall meet the requirements for Gate Posts as specified under Fence Materials. The posts shall be 3 feet longer than the height of the fence fabric.

Braces - The horizontal end, gate and corner post braces shall meet the requirements for braces as specified under Fence Materials. The brace shall be securely fastened to the post by means of suitable metal connections.

Top Rail - The fence shall be equipped with a top rail meeting the requirements for top rail as specified under Fence Materials. The top rail shall pass through the line post tops to form a continuous brace from end to end of each stretch of fence. The top rail shall be securely fastened to end, gate and corner posts by means of suitable connections.

Post Tops - All posts shall be fitted with ornamental post tops, meeting the requirements for Post Tops as specified under Fence Materials, except when extension arms are required.

Fittings - All fittings used with the fencing and gates shall meet the requirements for Fittings as specified under Fence Materials.

Concrete Footings - Grade 30S concrete meeting the requirements for Grade 30S concrete as specified under Concrete shall be used as footings for all posts.

The depth of all footings for posts shall be 3 feet and the diameter for line posts shall be not less than 12 inches. The footings for end, corner, gate and pull posts shall be not less than 18 inches diameter. The entire hole around each post shall be filled with concrete.

Chain Link Fence Fabric - Chain link fence fabric, of the height specified, shall be stretched taut and securely fastened to each post by means of approved metal bonds or No. 9 gauge galvanized wire, spaced not more than 12 inches apart on the posts and not more than 15 inches apart on the top rail.

Extension Arms - Extension arms, when specified, shall be of a design approved by the Engineer. The arms shall extend from the top of the post at an angle of approximately 45 degrees and shall carry 3 lines of barbed wire. The design of the arm shall be such that the 3 lines of barbed wire are equally spaced with the topmost barbed wire approximately 21 inches above the fabric and approximately 12 inches in or out from the fence line, as specified.

Barbed Wire - The barbed wire shall meet the requirements as specified for Barbed Wire under Fence Materials. Each barbed wire shall be securely fastened to each extension arm with No. 9 gauge galvanized wire or other approved fastening.

Gates - The gates shall be single and/or double swing of the size called for on the plans and shall meet the requirements as specified for Gates under Fence Materials.

The gates shall be assembled complete and properly hung at the locations specified.

Concrete - Grade 30S concrete shall have a compressive strength at 28 days of 3000 pounds or more per square inch when cured in a moist room at a temperature within the range of 65R to 75R F. for a period of 28 days.

Coarse aggregate 6A or 17A may be used for the concrete.

Steel Chain Link fences of the height specified will be measured and paid for in lineal feet. The individual bid items are “**5’ High Chain Link Fence, lft**”, “**6.5’ High Chain Link Fence, lft**”, “**8’ High Chain Link Fence, lft**”.

Proposed gates are to be measured and paid for as each. The individual bid items are “**6’ High Dual Gates, ea**” and “**6.5’ High Gates (at Dugouts), ea**”

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SECTION 02990

PERMITS

PART 1 GENERAL

1.1 GENERAL

- A. The Permits included in this Section have been applied for by the Owner with the cost to the Contractor noted. They are provided as information for the Contractor because the requirements and regulations contained in these documents shall be adhered to by the Contractor as they pertain to the work done under this Contract.
- B. Should any contradictions or discrepancies between the requirements of the Permits Section and other Sections of these Specifications be found, this sections language shall have precedence.

1.2 RELATED SECTIONS

- A. Section 00700 - General Conditions
- B. Section 00800 - General Supplementary Conditions
- C. Section 01000 - General Specifications
- D. Section 02110 - Site Clearing
- E. Section 02200 – Earthwork
- F. Section 02211 - Rough Grading
- G. Section 02220 - Soil Erosion Control
- H. Section 02930 - General Landscaping Materials and Final Grading

1.3 PERMIT

- A. The following permits are contained hereinafter with costs to the Contractor noted.
 - 1. Soil Erosion and Sediment Control Permit - [REDACTED]
 - 2. Road Commission of Oakland County Utility Drive Permit- [REDACTED]
 - 3. NDPES Notice of Coverage- [REDACTED]

Costs for Soil Erosion and Road Commission of Oakland County permits for both permit applications and inspection fees shall be incidental to the project and included in other bid items.

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PART 2 PRODUCTS

Not Used.

PART 3 EXECUTION

Not Used.

END OF SECTION