



Solicitation Information
18 May 2012

BID # 7449753

TITLE: FIELD LIGHTING SYSTEM REPLACEMENT PROJECT – MCCOY STADIUM

Submission Deadline: 6 June 2012 @ 11:30 AM (EDT)

PRE-BID/ PROPOSAL CONFERENCE: Yes Date: 24 May 2012 Time: 10:00 AM (EDT)

Mandatory : YES

Location: McCoy Stadium, PawSox Administrative Offices, One Ben Mondor Way, Pawtucket, RI

SURETY REQUIRED: YES

BOND REQUIRED: YES

Jerome D. Moynihan, C.P.M., CPPO
Assistant Director for Special Projects

Vendors must register on-line at the State Purchasing Website at www.purchasing.ri.gov.

NOTE TO VENDORS:

Offers received without the entire completed three-page RIVP Generated Bidder Certification Form attached may result in disqualification.

**Fiscal Year 2012 McCoy Stadium
Maintenance, Repairs and Improvement Program**



**FIELD LIGHTING SYSTEM
REPLACEMENT PROJECT**

*State of Rhode Island Department of Purchasing
Bid Number 7449753*

Owner:

**State of Rhode Island
Department of Administration
One Capitol Hill
Providence, Rhode Island**

Tenant:

**Pawtucket Red Sox Baseball Club, Inc.
Ben Mondor Way
Pawtucket, Rhode Island**



Project Manager:

**Heery International, Inc.
8 New England Executive Park, Suite 150
Burlington, MA 01803**



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BIDDING DOCUMENTS



**Fiscal Year 2012 Maintenance, Repairs and Improvement Program
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SECTION - 00020

INVITATION TO BID

Purchaser: The Department of Administration, Office of Purchases
One Capitol Hill, Providence, RI 02908

Owner/Agent: State of Rhode Island, Department of Administration
One Capitol Hill, Providence, RI 02908

Project Manager: Heery International, Inc.
8 New England Executive Park, Suite 150
Burlington, MA 01803

Project: **Field Lighting System Replacement**
Fiscal Year 2012 Maintenance, Repairs and Improvements Program

Location: McCoy Stadium, One Ben Mondor Way, Pawtucket, RI

Commencement Date: Base Contract work shall not commence on site prior to September 30, 2012

Completion Date: Substantial Completion shall be obtained on or before December 07, 2012

Contractors are invited to submit sealed bids for the above Project to the Purchaser at the above address on or before:

Time: 11:30 AM (Eastern Time)

Date: June 6, 2012

Bid Documents will be available only in electronic format through the Department of Purchasing web site. Bid Documents will be posted on the Department of Purchasing web site by Friday, May 18, 2012. Should you need assistance in obtaining Bid Documents electronically, please contact the office of the Rhode Island Department of Purchasing, One Capitol Hill, Providence, RI 02908-5855.

Bidder is required to provide a Bid Security in the form of a Bid Bond or a certified check payable to the **State of Rhode Island**, in the amount of the sum no less than 5% of the Bid Price.

Bidder is required to provide the following documents with their bid. These documents **MUST** be included with the bid submission or the awarding authority may deem the bidder to be non-responsive. The required documentation includes:

- Lighting Design Drawing(s) showing: Field name, prepared by, and other pertinent data; Outline of the field being lighted, as well as pole locations in x/y coordinates referenced to homeplate (0,0); illumination levels at grid spacing specified; pole height; number of fixtures per pole; height of light level test meter above field surface; summary table showing the number and spacing of grid points, average/minimum/maximum illuminance levels in foot candles (fc); uniformity including maximum to minimum ratio; coefficient of variance and uniformity gradient; number of luminaires; total kilowatts; average tilt factor; and light loss factor.
- Product technical brochures for proposed luminaires, lamps, ballasts, cabling and all other system components.
- A list of references from stadium/facility owners and team owners for projects completed within the last five years by the Bidder using the same system components proposed for this project. Provide the project name, date of installation, brief description of system installed (type of sports field, level of play, number of poles & fixtures), client organization name (street address), client contact (provide telephone number and e-mail address).



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- Certification that the proposed system will meet or exceed all field lighting requirements of Rule 58 as required by Minor League Baseball/Office of the Commissioner of Baseball and the technical requirements outlined in the bid documents.
- Written confirmation that the proposed lighting system can be installed without modification to the existing electrical distribution system based upon the specified system power capacity. Should any modification(s) be required, this shall be noted and the cost for the modifications shall be included in the bid price.
- An energy consumption analysis of the proposed field lighting system calculating the anticipated annual consumption of energy using the requirements stipulated in the specifications.
- Copies of warranties for all material and equipment as stipulated in the specifications. The State reserves the right to deem restrictive or limiting warranty provisions and/or requirements which are not consistent with the long-term lamp replacement and systems maintenance requirements as non-responsive.
- A copy of the valid Rhode Island Master "A" Electrical Contractors License for the individual who will be responsible for the installation of the work.
-

The Owner will hold a **mandatory Pre-Bid Conference** at the Project Site:

Location: McCoy Stadium, PawSox Administrative Offices,
One Ben Mondor Way Pawtucket, RI.

Time: 10:00 AM (Eastern Time)

Date: Thursday, May 24, 2012

Contractor shall refer to Section 00100-Instruction to Bidders for other Bidding Requirements.

It is required that a representative from each of the companies who anticipate submitting a bid on this project attend the Pre-Bid Conference. The purpose for the conference is for the bidders to familiarize themselves with the existing conditions, the Scope of the Work and the general layout and features the site may exhibit with regard to executing the Contract Work. The Owner/Agent will not be obligated to schedule site visits after the Pre-Bid Conference. No claims for additional cost will be allowed because of "lack of full knowledge of verifiable conditions".

Bidders' attention is referred to State requirements pertaining to conditions of employment to be observed, including the Equal Employment Opportunity Act and requirements that ten (10) percent of the dollar value of the work must be performed by Minority Business Enterprises, and wage rates to be paid under the Contract for this Project must be in accordance with those prevailing wages on file in the Rhode Island Department of Labor, Office of the Director. Refer to Specification Section 00430-Prevailing Wages Rates. Bidders are subject to terms, conditions, and provisions of State's general Conditions of the Purchase, and to the provisions of Chapters 2, 12, 13, 14.1 of Title 37, General Laws of the State of Rhode Island 1956, as amended.

All bidders MUST register online at www.purchasing.ri.gov A RIVIP generated Bidder Certification Cover Form MUST accompany each bid. Should you need assistance in registering or downloading a bid, call (401) 222-2142 ext.134. Failure to comply will result in disqualification.

The Office of Purchases reserves the right to accept or reject any or all Bids

Jerome D. Moynihan, Administrator of Purchasing Systems
The Department of Administration
Division of Purchases
State of Rhode Island



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SECTION - 00100

INSTRUCTIONS TO BIDDERS

AIA Document A701, Instructions to Bidders – 1997 following this page is included as an integral part of the Bid Documents. Provisions which are not amended or supplemented remain in full force and effect.



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SECTION 00300

FORM FOR GENERAL BID

Mr. Jerome D. Moynihan, Administrator of Purchasing Systems
The Department of Administration
Division of Purchases
One Capitol Hill,
Providence, RI 02908

Mr. Moynihan,

Base Bid Price Submitted by

_____ Enter Name of Company

The undersigned, having visited the site of the above project and having familiarized myself with the local conditions affecting the cost of the work and with the contract documents, including Addenda Numbers _____, hereby proposes to furnish all labor, materials, tools, equipment, insurance, permits, taxes, and to do and lawfully perform all things as provided in the specifications, all in accordance with the contract documents, for the sum of:

_____ Dollars,
(written amount)

\$ _____
(numerical amount)

- C. The undersigned agrees that, if s/he is selected as General Contractor, he will within five days, Saturdays, Sundays and legal holidays excluded, after presentation thereof by the Awarding Authority, execute a contract in accordance with the terms of this bid and furnish a performance bond and also a labor and materials or payment bond, each of a surety company qualified to do business under the laws of the State of Rhode Island and satisfactory to the Awarding Authority and each in the sum of the contract price, the premiums for which are to be paid by the General Contractor and are included in the contract price.

- D The undersigned certifies that s/he is able to furnish labor that can work in harmony with all other elements of labor employed or to be employed in the work and that s/he will comply fully with all laws and regulations applicable to awards made subject to section forty-four A.

- E The undersigned as Bidder certifies that if this proposal is accepted, s/he will furnish to the State of Rhode Island, Division of Purchases with the invoice for the material or equipment supplied two copies of any and all Material Safety Data Sheets applicable to such material or equipment, as required by law.

- F The undersigned certifies under penalties of perjury that this bid is in all respects bona fide, fair and made without collusion or fraud with any other person. As under



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in this section, the work “person” shall mean any natural person, joint venture, partnership, corporation, or other business or legal entity.

- G. The undersigned certifies it has included with the bid submission all the supplemental documentation outlined in the Invitation to Bid and understands that in the event the information is incomplete, insufficient, or not satisfactory to the awarding authority, their bid may be deemed non-responsive.

Substantial Completion

Substantial completion to be within 160 calendar days of issuance of a Notice to Proceed.

Sincerely,

(Bidder - Name of Company)

(Address of Bidder)

By: _____
(Title - Owner*, Partner*)

(Seal, if Corporation)

By: _____
(If Corporation - Name and Title of Officer)

* If the business owned by the individual or partnership is conducted under a trade or assumed name, a certified copy of doing business under an assumed name should be annexed.

The following Acknowledgement of Principal Form has been completed:

- Corporation (page 3)***
- Partnership (page 4)***
- Individual. (page 5)***



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Acknowledgment of Principal, if a Corporation

State of _____)

County of _____)

On this _____ day of _____ 2012

before me personally came _____ to me known, who, being by me duly sworn, did depose and say that he/she resides

at _____, that he/she is the _____ of the corporation described herein and which executed the foregoing instrument; that he/she knows the seal of said corporation; that one of the seals affixed to said instrument is such seal; that it was so affixed by order of the directors of said corporation, and that he/she signed his/her name thereto by like order.

(Notary Public)

Provide the title, name and residence address of each corporate officer thereof. *A separate copy or listing may be provided, if necessary.*

<u>Title</u>	<u>Name</u>	<u>Residence Address</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____

Organized under the laws of the state of _____

Date: _____



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Acknowledgment of Principal, if a Partnership

State of _____)

:SS:

County of _____)

On this _____ day of _____ 2012

before me personally came _____ to me known, and known to me to be one of the members of the firm of

_____ who executed the foregoing instrument and he/she acknowledged to me that he/she executed the same as and for the act of said firm.

(Notary Public)

(If bidder is a partnership, state here the name and residence of each member thereof)

Name of Partners

Residence Address

_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

A separate copy or listing may be provided, if necessary.



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Acknowledgment of Principal, if an Individual

State of _____)

:SS:

County of _____)

On this _____ day of _____ 2012

before me personally came _____ to me known, and known to me to be the person described herein and who executed the foregoing instrument and he/she acknowledged to me that he/she executed the same.

(Notary Public)

END OF BID FORM



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SECTION 00400

BID SECURITY FORM

AIA Document Bid Bond A310-1970 following this page is included as an integral part of the Bid Documents for use in fulfilling Bid Security requirements.

BID SECURITY FORM

**00400-1
May 11, 2012**



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SECTION 00410

CONTRACTOR'S QUALIFICATION STATEMENT

AIA Document A305, Contractor's Qualification Statement-1986 following this page is included as an integral part of the Bid Documents, for use in evaluating the qualifications of Contractors.

1. Due to the complexity and specialized nature of the Work described in the Contract Documents Contractors shall be required to submit detailed references for all projects completed of similar size and scope upon notification of Intent to Award.

2. References shall include:

- A. Brief project descriptions
- B. Work performed by Contractor's own forces
- C. Lists of Subcontractors and Trades used.
- D. The Final contract amounts
- E. Contact individual (s), their title, daytime telephone number where they may currently be reached.
- F. Any special project achievements or awards received.

3. Qualifications shall be evaluated on the basis of similar project experience and shall include at a minimum the following:

- A. Resumes and experience of Key Personnel.
- B. Installers and subcontractors proposed for this Project must be approved by the manufacturers to install the specific products referenced in the Project Specifications and those recommended for use on this project by the bidder.
- C. Coordination of the Work and specialty Trades.
- D. Size and dollar amount of the Project.
- E. Similar Project successfully completed in the last five (5) years.
- F. Project Scheduling stating duration and whether they were completed on time and within budget.
- G. Demolition, execution, and completion of the Work.

4. Failure to respond with relevant information to the stated requirements of this Section 00410 may be grounds for disqualification from further consideration as a successful bidder on this Project.



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SECTION - 00430

PREVAILING WAGE RATES

1.01 NOTICE OF PREVAILING WAGES

A. Work under this Contract will be subject to the "Prevailing Wage Rates" as prepared by the Department of Labor for the State of Rhode Island Building and Construction Projects. It is the contractor's responsibility to use the current Prevailing Wage Table.

B. Rhode Island General Laws 28-14-2.1 "Statement of Earnings" as amended by Chapter 93-376 "Payment of Wages Act" requires a contractor to provide on each and every regular pay day to its employees: (1) a record of the employee's regular rate of pay, and (2) a record of all deductions made from the employee's gross earnings during such pay period together with an explanation of the basis or reason such deductions.

1.02 WAGE RATE REQUIREMENTS

A. The State of Rhode Island Department of Labor, Division of Professional Regulation General Decision Modification Document, current as of Bid Issuance date for this Project, is an integral part of the Bid Documents for use in fulfilling the Wage Rate Requirements.

A copy is available on the web site of the State of Rhode Island Department of Administration Division of Purchases.

The division of Purchases Web site Address is:

<http://www.purchasing.state.ri.us/>

Click on "RIVIP"; Click on "General Information"; Click on "Prevailing Wage Table".



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SECTION 260000 – ELECTRICAL

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. The technical requirements for the Work outlined in these documents are provided to outline the overall field lighting system performance. The Contractor is responsible to provide all the necessary engineering, analysis, labor, material and equipment necessary to install and turn over a completely new and operations field lighting system that meets and/or exceeds the performance requirements outlined in the Project Manual and Bidding Documents.

1.3 SUBMITTALS

- A. Bidding Submission Requirements: Please review the bidding form which outlines documentation which is required to be submitted with the bid. Failure to provide this information can be the basis for rejection of your bid as 'non-responsive'.
- B. Reference Submittal section 013300 for general submittal requirements.
- C. Permits, Licenses, and Certificates: For Owner's records, submit copies of permits, licenses, certifications, inspection reports, releases, jurisdictional settlements, notices, receipts for fee payments, judgments, correspondence, records, and similar documents, established for compliance with standards and regulations bearing on performance of the Work.



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PART 2 - PRODUCTS

- 2.1 This is a performance specification. Specific products are not provided as the basis for the minimum performance requirements. The Contractor shall be responsible for providing products, materials, fixtures, lamps, wiring and any other system component required to meet the technical performance outlined in these documents.

PART 3 - EXECUTION

3.1 GENERAL

- A. Furnish all necessary labor, material and equipment to replace the existing pole mounted lighting fixtures and lamps on the eight (8) existing light poles at McCoy Stadium with new fixtures and lamps which will provide lighting performance that meets or exceeds the standards for Minor League Baseball as stipulated in Rule 58 / Attachment 58 of the Major League Rules and Compliance Inspection Procedures, Section 12.8 Field Lighting dated January 2005 (see Exhibit A). . The work also includes installing any additional lights and wiring on the B1, C1 and/or D1 as may be required to meet the specified field illumination requirements and address the low light levels and shadows in the left field corner near the foul pole. It is anticipated that the existing steel poles and cross arm structures will be reused without modification. However, should the Contractor require modifications to the existing poles and/or cross arm structures that work shall be clearly identified and the cost for such work included in the base bid price.
- B. The scope of work to be provided as specified herein is required to meet or exceed the standards and requirements for maintained light levels. The scope includes removal and proper disposal of the existing fixtures and lamps located on eight existing light poles the installation of new fixtures and lamps, removal and disposal of two remote ballast cabinets and contents, replacement of the remote ballast cabinets including installation of all necessary new remote ballasts and wiring for the new fixtures. The scope is based on connecting the new field lighting fixtures using new 'drop feeders' from the lighting fixture banks to the hand hole connection to the existing feeders, branch wiring, and contactors
- C. The scope also includes re-lamping the existing pole mounted emergency quartz fixtures and any work associated with disconnecting and reconnecting the quartz fixtures and circuits to operate properly with the new field lighting installation. The existing emergency lighting fixtures (1500 watt quartz fixtures) are in banks of six (6) fixtures per pole at six pole locations: B1, B2, C1, C2, D1 and D2.

3.2 LUMINATION REQUIREMENTS

- A. The lighting design must be based upon "Maintained Foot Candles" as per NAPBL and IES Standards. "Maintained Foot Candles" for this project shall be determined by utilizing a 0.70 Light Loss Factor (LLF). [i.e. 100-hour lumen output as published in the lamp manufacturers specification sheet de-rated by 0.70.] Lighting level requirements for this project shall meet, at a minimum, the following requirements:



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- | | | |
|----|--|--------------------------------------|
| 1. | Minimum Infield Lighting Level | 100 Foot Candles (FC) |
| 2. | Infield Uniformity Ratio: | 1.2 / 1.0 (Maximum / Minimum)Minimum |
| 3. | Outfield Lighting Level | 70 Foot Candles (FC) |
| 4. | Outfield Uniformity Ratio: | 2.0 / 1.0 (Maximum / Minimum) |
| 5. | Minimum Bullpen Lighting Levels | 50 Foot Candles (FC) |
| 6. | Bullpen Uniformity Ratio: | 2.0 / 1.0 (Maximum / Minimum) |
| 7. | Minimum Foul Territory Lighting Levels | 50% Adjacent Playing Field Level |

- B. In addition to the minimum requirements outlined in paragraph A (above), the field lighting system shall provide a minimum lighting level of 75 FC at each grid point in the outfield area immediately behind second base. This specific area shall be defined by an area 60 feet by 60 feet and is located on the lighting system grid as follows:

Use a lighting grid with home plate as the center of the axis grid of $x/y = 0', 0'$, the grid for the 75 FC minimum lighting level shall be bound by the grid points:

X=120', Y=120'
X=120', Y=180'
X=180', Y=120'
X=180', Y=180'

3.3 FIXTURES

- A. Field Lighting Fixtures – Utilize 1500 watt metal halide lamps in fixtures manufactured specifically for professional level sports lighting. Fixtures shall be high-grade and/or corrosion resistant to withstand high salt air/moisture levels due to the proximity of McCoy Stadium to the Atlantic Ocean.
- B. Emergency Lighting Fixtures – The existing fixtures utilize 1500 watt quartz lamps in standard fixtures. It is anticipated that the replacement lamps and fixtures may be quartz or some other appropriate lamp and fixture combination for this facility. Nevertheless, the new fixtures shall be high-grade and/or corrosion resistant to withstand high salt air/moisture levels due to the proximity of McCoy Stadium to the Atlantic Ocean. The Owner reserves the right to require the Contractor to provide quartz lamps and fixtures, should an alternate lamp and fixture substitution be proposed which the Owner deems is inferior or inadequate to meet the emergency lighting requirements of the stadium.

3.4 ENERGY CONSUMPTION

Existing System Power Capacity – The existing field lighting system has a limited total power capacity of approximately 300 KW. The new field lighting system shall not exceed the existing system capacity, per pole, in any manner. It is anticipated that the new field lighting system will utilize more energy efficient lamps and fixtures to reduce the total power consumption of the field lighting system. Utilize 1500 watt metal halide lamps in fixtures manufactured specifically for professional level sports lighting. Fixtures shall be high-grade and/or corrosion resistant to withstand high salt air/moisture levels due to the proximity of McCoy Stadium to the Atlantic Ocean.



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The maximum total kilowatt consumption of the newly installed system shall not exceed 303 kilowatts and shall have an energy distribution as follows:

- Maximum kilowatt consumption at poles A1,A2,C1,C2,D1,&D2-----29.34KW @ each pole
- Maximum kilowatt consumption at poles B1 & B2-----63.57 KW @ each pole

3.5 GUARANTEE TO MEET MLB REQUIREMENTS

- A. Contractor shall furnish a written guarantee that the completed system meets all of the requirements for professional baseball facilities as required by the Office of the Commissioner and the President of the Minor League Association. This guarantee shall extend for a period of six years and shall provide for all system maintenance, replacement of lamps, fixtures, and ballasts including the cleaning of fixtures to meet the minimum requirements as outlined in the Project Manual and associated documents.
- B. The Contractor shall provide a 10-year material and labor warranty on all fixtures, wiring, ballasts and system components, excluding lamps. Lamps shall be guaranteed for the average lamp life with the Contractor providing all material and labor for lamp replacement during that period. The Contractor shall provide the average lamp life with their bid submission data.

3.6 MINIMUM QUALIFICATION REQUIREMENTS

- A. The Contractor shall have a minimum of 15-years experience in the design and installation of sports field lighting systems for major league and minor league baseball facilities. Major collegiate baseball facilities shall be allowed to be used in meeting the total number of similar projects, however professional baseball sports lighting experience is required.
- B. The Contractor furnishing the fixtures and responsible for the system design and installation must have successfully completed at least ten similar projects with at least five projects completed prior to 2006. The Contractor shall note which facilities have utilized the exact same fixtures and lamps as proposed for McCoy Stadium.
- C. The individual or company responsible for the on-site installation of the Work shall have a license and a certificate for the business issued by the state board of examiners of electricians of the Division of Professional Regulation of the Department of Labor and Training in accordance with Rhode Island General Laws Title 5, Chapter 5-6 Electricians. This firm or individual may be a subcontractor to the Contractor for the purpose of meeting the major league and minor league baseball experience requirements of the Contractor.
- D. The on-site project manager for the Contractor and the individual providing superintendence for the Work shall have performed similar duties on at least four projects of similar size and scope.
- E. The on-site electrician responsible for the installation of the Work shall have experience on similar projects of similar size and scope on at least one major league or minor league baseball stadium.



**Fiscal Year 2012 Maintenance, Repairs and Improvement Program
Field Lighting System Replacement Project
McCoy Stadium, Pawtucket, Rhode Island**

END OF SECTION 2600000

Disk Based Bidding Information

File Format

All disk based bid files are ZIP files that you can open using the **WinZip 8.1** software. The ZIP file will contain one or more files based on the type of Bid/RFP.

Downloading the Disk Based Bid

Bids that have a file for download are marked with a "D" in the Info field of the bid search results. The "D" will be an active link to the WinZip file until the bid reaches its opening date. Clicking on the active "D" link will allow you to open or save the ZIP file associated with the bid. Opening the WinZip file will download a copy to your computer's temporary directory.

Opening the Disk Based Bid

Once downloaded, you can open the ZIP file with Winzip and view the Microsoft Office files contained within the WinZip file. Immediately save (extract) the individual files to an appropriate directory on your computer, such as "Desktop" or "My Documents".

Completing the Disk Based Bid

Once the Microsoft Office files are properly saved, open the individual files and enter the required information in the appropriate fields. Save each file again to capture the new information you entered.

Submitting the Disk Based Bid

Save the completed files to a CD or diskette. Label the CD or diskette with the Bid/RFP number and bidder's name (company name, not contract name). Submit as instructed in the Bid or RFP solicitation document.