

Lake County

Purchasing Division

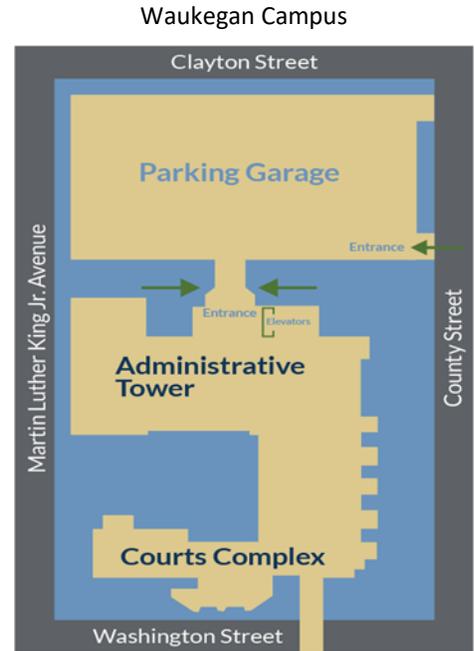
<http://doingbusiness.lakecountyil.gov/>

Please note the submission location is:

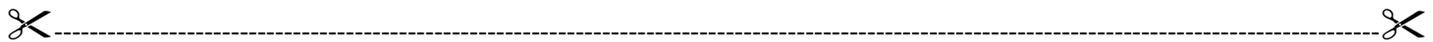
Lake County
Attn: Purchasing Division
 18 N. County Street – 9th Floor
 Waukegan, IL 60085-4350

Contact information for Lake County Purchasing is:

Purchasing Division
 Phone 847-377-2992
 Fax 847-984-5889
 Email: purchasing@lakecountyil.gov



ALL SUBMITTALS SHOULD BE LABELED ACCORDINGLY. PLEASE USE BELOW LABEL FOR YOUR CONVENIENCE.



<u>BID No.</u> Bid #20024	Vendor Name: _____
<u>Buyer</u> Yvette Albarran	Deliver to:
<u>Bid Description</u> Greggs Landing Painting Bid	Lake County ATTN: PURCHASING DIVISION 18 N. County Street – 9 th Floor Waukegan, IL 60085-4350
<u>BID Due Date*</u> February 18, 2020 at 11:00 a.m.	

*Please note: Responses are due at the 9th floor reception desk and shall be time stamped by 11:00 a.m. CST on the required due date. Please allow sufficient time for parking, passing through security and arriving at the 9th floor.



Lake County Purchasing Division
 18 North County Street - Ninth Floor
 Waukegan, Illinois 60085-4350
 (847) 377-2992

E-Mail: purchasing@lakecountyil.gov

Access Bid Results:
<http://www.lakecountypurchasingportal.com/>

SUBMISSION INFORMATION

INVITATION: #20024
 BID OPENING DATE: February 18, 2020
 TIME: 11:00 A.M. Local Time
 LOCATION: Lake County
 Purchasing Division
 18 N. County St., 9th Floor
 Waukegan, IL 60085-4350

Submit 1 original and 1 electronic copy on a CD or flash drive

ISSUANCE DATE: January 22, 2020
 BUYER: Yvette Albarran

INVITATION TO BID VENDOR INFORMATION

COMPANY NAME: _____
 ADDRESS: _____
 CITY, STATE, ZIP CODE: _____

Greggs Landing Painting Project

Bid Item	Location	Total Cost
1.	Vernon Hills Potable Water Reservoir Greggs Landing Concrete Coating	\$
	TOTAL BID AMOUNT	\$
2.	Unit Price for Dry-Pac per Square Foot	\$ Cost per Sq. Ft.

A pre-bid conference and site inspection will be held on February 4, 2020 at 10:00 a.m., at Greggs Landing Reservoir, 1805 N Crenshaw Cir, Vernon Hills Illinois.

A 10% security deposit must accompany the bid. The successful bidder must furnish a satisfactory performance bond and a payment bond each in the full amount of the bid. All work performed under this contract shall be in accordance with the laws of the State of Illinois, including but not limited to the Illinois Employee Classification Act. This project is subject to the requirements of the Wage Determination of the Secretary of Labor. Lake County, in accordance with the laws of the State of Illinois, hereby notifies all bidders the work performed under this contract shall be in accordance with the provisions of the Illinois Prevailing Wage Act 820 ILCS 130 et seq. Lake County, in accordance with the laws of the State of Illinois, hereby notifies all bidders that it will affirmatively insure that the contract entered into pursuant to this advertisement will be awarded to the lowest responsive and responsible bidder without discrimination on grounds of race, color, or national origin.

NOTE TO BIDDERS: Any and all exceptions to these specifications MUST be clearly and completely indicated on the bid sheet. Attach additional pages if necessary. Please be advised that any exceptions to these specifications may cause your bid to be disqualified.

If a bid includes any exceptions, Bidders must insert an "X" in the following box indicating a bid submission with exceptions.

All documents shall be properly signed and completed. Submit bids by **sealed bid only**. Fax and e-mail bids are not acceptable and will not be considered.

THE SECTION BELOW MUST BE COMPLETED IN FULL AND SIGNED

PROMPT PAYMENT DISCOUNT: _____ % _____ DAYS

The undersigned hereby certifies that they have read and understand the contents of this solicitation and agree to furnish at the prices shown any or all of the items above, subject to all instructions, conditions, specifications and attachments hereto. Failure to have read all the provisions of this solicitation shall not be cause to alter any resulting contract or to accept any request for additional compensation. By signing this bid document, the bidder hereby certifies that they are not barred from bidding on this contract as a result of a violation of either Section 33E-3 or 33E-4 of the Illinois Criminal Code of 1961, as amended.

Authorized Signature: _____ Company Name: _____
 Typed/Printed Name: _____ Date: _____
 Title: _____ Telephone Number: _____
 E-mail: _____ Fax Number: _____

LAKE COUNTY - INVITATION FOR BIDS: TERMS AND CONDITIONS

1. **AUTHORITY.** This Invitation for Bids is issued pursuant to applicable provisions of the Lake County Purchasing Ordinance.
2. **BID OPENING.** Sealed bids will be received at the Lake County Purchasing Department until the date and time specified, at which time they shall be opened in public. Late bids shall be rejected and returned unopened to the sender. Lake County does not prescribe the method by which bids are to be transmitted; therefore, it cannot be held responsible for any delay, regardless of the reason, in transmission of the bids.
3. **BID PREPARATION.** Bids must be submitted on this form and all information and certifications called for must be furnished. Bids submitted in any other manner, or which fail to furnish all information or certificates required, may be summarily rejected. Bids may be modified or withdrawn prior to the time specified for the opening of bids. Bids shall be filled out legibly in ink or typewritten with all erasures, strike overs and corrections initialed in ink by the person signing the bid. The bid shall include the legal name of the bidder, the complete mailing address, and be signed in ink by a person or persons legally authorized to bind the bidder to a contract. Name of person signing should be typed or printed below the signature.
4. **BID ENVELOPES.** Envelopes containing bids must be sealed and addressed to the County of Lake Purchasing Division. The name and address of the bidder and the Invitation Number must be shown in the upper left corner of the envelope.
5. **ERRORS IN BIDS.** Bidders are cautioned to verify their bids before submission. Negligence on the part of the bidder in preparing the bid confers no right for withdrawal or modification of the bid after it has been opened. In case of error in the extension of prices in the bid, the unit prices will govern.
6. **RESERVED RIGHTS.** The County of Lake reserves the right at any time and for any reason to cancel this Invitation for Bids, accept or reject any or all bids or any portion thereof, or to accept an alternate bid. The County reserves the right to waive any immaterial defect in any bid. Unless otherwise specified by the bidder or the County, the County has ninety (90) days to accept. The County may seek clarification from any bidder at any time and failure to respond promptly is cause for rejection.
7. **INCURRED COSTS.** The County will not be liable for any costs incurred by bidders in replying to this Invitation for Bids.
8. **AWARD.** It is the intent of the County to award a contract to the lowest responsible bidder meeting specifications. The County reserves the right to determine the lowest responsible bidder on the basis of an individual item, groups of items, or in any way determined to be in the best interests of the County. Award will be based on the following factors (where applicable): (a) adherence to all conditions and requirements of the bid specifications; (b) price; (c) qualifications of the bidder, including past performance, financial responsibility, general reputation, experience, service capabilities, and facilities; (d) delivery or completion date; (e) product appearance, workmanship, finish, taste, feel, overall quality, and results of product testing; (f) maintenance costs and warranty provisions; and (g) repurchase or residual value.
9. **PRICING.** The price quoted for each item is the full purchase price, including delivery to destination, and includes all transportation and handling charges, premiums on bonds, material or service costs, patent royalties and all other overhead charges of every kind and nature. Unless otherwise specified, prices shall remain firm for the contract period.
10. **DISCOUNTS.** Prices quoted must be net after deducting all trade and quantity discounts. Where cash discounts for prompt payment are offered, the discount period shall begin with the date of receipt of a correct invoice or receipt or final acceptance of goods, whichever is later.
11. **TAXES.** Lake County is not subject to Federal Excise Tax. Per Illinois Compiled Statutes, 35 ILCS 120/2-5, Lake County is exempt from state and local taxes.
12. **SPECIFICATIONS.** Reference to brand names and numbers is descriptive, but not restrictive, unless otherwise specified. Bids on equivalent items will be considered, provided the bidder clearly states exactly what is proposed to be furnished, including complete specifications. Unless the bidder specified otherwise, it is understood the bidder is offering a referenced brand item as specified or is bidding as specified when no brand is referenced, and does not propose to furnish an "equal." The County reserves the right to determine whether a substitute offer is equivalent to and meets the standard of quality indicated by the brand name and number.
13. **SAMPLES.** Samples of items, when called for, must be furnished free of expense and, if not destroyed in the evaluation process, will, upon request, be returned at the bidder's expense. Request for the return of samples must accompany the sample and include UPS Pickup Slip, postage or other acceptable mode of return. Individual samples must be labeled with bidder's name, invitation number, item reference, manufacturer's brand name and number.
14. **INTERPRETATION OR CORRECTION OF BIDDING DOCUMENTS.** Bidders shall promptly notify the County of any ambiguity, inconsistency or error which they may discover upon examination of the bidding documents. Interpretations, corrections and changes will be made by addendum. Each bidder shall ascertain prior to submitting a bid that all addenda have been received and acknowledged in the bid.
15. **INDEMNIFICATION.** The Seller shall indemnify and hold harmless the County, its agents, officials, and employees from and against all injuries, losses, claims, suits, costs and expenses which may accrue against the County as a consequence of granting the Contract.
16. **DEFAULT.** Time is of the essence of this contract and if delivery of acceptable items or rendering of services is not completed by the time promised, the County reserves the right, without liability, in addition to its other rights and remedies, to terminate the contract by notice effective when received by Seller, as to stated items not yet shipped or services not yet rendered and to purchase substitute items or services elsewhere and charge the Seller with any or all losses incurred. The County shall be entitled to recover its attorney's fees and expenses in any successful action by the County to enforce this contract.
17. **INSPECTION.** Materials or equipment purchased are subject to inspection and approval at the County's destination. The County reserves the right to reject and refuse acceptance of items which are not in accordance with the instructions, specifications, drawings or data of Seller's warranty (express or implied). Rejected materials or equipment shall be removed by, or at the expense of, the Seller promptly after rejection.
18. **WARRANTY.** Seller warrants that all goods and services furnished hereunder will conform in all respects to the terms of this solicitation, including any drawings, specifications or standards incorporated herein, and that they will be free from latent and patent defects in materials, workmanship and title, and will be free from such defects in design. In addition, Seller warrants that said goods and services are suitable for, and will perform in accordance with, the purposes for which they are purchased, fabricated, manufactured and designed or for such other purposes as are expressly specified in this solicitation. The County may return any nonconforming or defective items to the Seller or require correction or replacement of the item at the time the defect is discovered, all at the Seller's risk and expense. Acceptance shall not relieve the Seller of its responsibility.
19. **REGULATORY COMPLIANCE.** Seller represents and warrants that the goods or services furnished hereunder (including all labels, packages and container for said goods) comply with all applicable standards, rules and regulations in effect under the requirements of all Federal, State and local laws, rules and regulations as applicable, including the Occupational Safety and Health Act as amended, with respect to design, construction, manufacture or use for their intended purpose of said goods or services. Seller shall furnish "Material Safety Data Sheets" in compliance with the Illinois Toxic Substances Disclosure to Employees Act.
20. **EQUAL EMPLOYMENT OPPORTUNITY.** Contractor shall comply with the Illinois Human Rights Act, 775 ILCS 5/1-101 et seq., as amended and any rules and regulations promulgated in accordance therewith, including, but not limited to the Equal Employment Opportunity Clause, Illinois Administrative Code, Title 44, Part 750 (Appendix A), which is incorporated herein by reference. Furthermore, the Contractor shall comply with the Public Works Employment Discrimination Act, 775 ILCS 10/0.01 et seq., as amended.
21. **ROYALTIES AND PATENTS.** Seller shall pay all royalties and license fees. Seller shall defend all suits or claims for infringement of any patent, copyright or trademark rights and shall hold the County harmless from loss on account thereof.
22. **LAW GOVERNING.** This contract shall be governed by and construed according to the laws of the State of Illinois. Jurisdiction and venue shall be found exclusively in the 19th Judicial Circuit Court, State of Illinois.

Greggs Landing Painting Project
GENERAL TERMS AND CONDITIONS

January 2020

1. INTENT

Lake County Public Works is seeking bids based on the specifications to apply a Cementitious Crystalline Waterproofing to the four (4) interior walls of a 600,000-gallon inground water reservoir. Reservoir dimensions 60'x 60 'x 20', (4,800 square feet) substrate poured in place reinforced concrete. The successful bidder shall furnish all labor, materials, services and equipment necessary for the supply and installation of cementitious crystalline waterproofing to interior (wet side), concrete walls at the:

Greggs Landing Reservoir
1805 N Crenshaw Cir,
Vernon Hills Illinois

The contractor shall provide the total cost to complete this project, and shall include labor, materials, sundries, surface preparation application of water proofing products specified, and the disposal of waste generated with this project. Lake County is looking to start this project in the spring of 2020 once the frost has left the ground and the nightly temperature is above 40 degrees Fahrenheit. The contractor may arrange to work at temperatures lower than 40 degrees F provided they can effectively heat the interior at their own expense. Lake County shall provide power as needed.

2. SUBMISSION OF BIDS

Bids will be accepted until **11:00 a.m. local time, February 18, 2020**, at the Lake County Purchasing Division, 18 North County Street, 9th Floor; Waukegan, IL 60085-4350. Each bid must include the following completed and signed forms and submissions:

- a. One (1) original "Invitation to Bid" including signed forms, Bid Sheet.
- b. One (1) electronic copy of the complete bid submission, on a CD or flash drive.
- c. One (1) Value Added sheet, if necessary.
- d. One (1) Addendum Acknowledgement, if appropriate.
- e. One (1) Contractor Qualification Form.
- f. One (1) Statement of Sustainability.
- g. One (1) Reference Sheet.
- h. One (1) Vendor Disclosure Statement.
- i. One (1) Schedule of work.
- j. One (1) Responsible Bidder Affidavit.
- k. Compliance with Specifications Sheet, with compliance to each specification section indicated.
- l. Copy of safety policy.

3. SCHEDULE OF WORK

TIME	DATE	EVENT	LOCATION
5:00 P.M.	2/11/2020	Deadline for submissions of Requests for Clarifications	Submit questions on Lake County's website at: www.lakecountypurchasingportal.com or via email at purchasing@lakecountyil.gov
10:00 A.M.	2/4/2020	Pre-Bid Meeting	Greggs Landing Reservoir, 1805 N Crenshaw Cir, Vernon Hills Illinois
11:00 A.M.	2/18/2020	Bid Opening	Lake County Purchasing 18 N. County Street, 9th Fl., Waukegan, IL
9:00 A.M.	3/10/2020	Contract Award (if required)	Lake County Board Meeting
5:00 P.M.	3/10/2020	Notice to Proceed (anticipated)	Email
5:00 P.M.	5/31/2020	Substantial Completion (anticipated)	Lake County Public Works 650 W. Winchester Rd., Libertyville, IL

4. AWARD

The County intends to award this contract, to the lowest responsive and responsible bidder(s) that is in compliance with the specifications, terms, conditions and evaluation criteria contained herein.

5. BID SECURITY

Each bid shall be accompanied by a Bid Security in the form of a certified check, an irrevocable letter of credit or bid bond in an amount equal to at least ten (10%) percent of the Total Bid Price, payable without condition to the Owner, as a guaranty that the Bidder, if awarded the Contract, will promptly execute the Agreement in accordance with the Bidding Documents. Cashier's checks will be deposited and re-issued (without interest) upon receipt of performance and payment bonds.

6. CONTRACT PERFORMANCE AND PAYMENT BONDS

The successful Contractor shall furnish within ten (10) calendar days after being notified of the acceptance of bid:

- a. A performance bond satisfactory to the County, executed by a surety company authorized to do business in the State of Illinois, in an amount equal to 100 percent (100%) of the contract price as security for the faithful performance of the contract; and
- b. A payment bond satisfactory to the County, executed by a surety company authorized to do business in the State of Illinois, for the protection of all persons supplying labor and materials to the Contractor of Subcontractors for the performance of work provided for in the contract, in an amount equal to 100 percent (100%) of the contract price.
- c. Documents required by this section must be received and approved by the Owner before a written contract will be issued.

7. PRECEDENCE

Where there appears to be variances or conflicts, the following order of precedence shall prevail: Lake County Specifications; Lake County General Terms & Conditions, Lake County Invitation for Bids General Terms & Conditions and the Contractor's Bid Response.

8. BID PRICE

The bid price shall include all labor, material and equipment necessary to provide this service. Bid price shall be the net price to the County and shall include allowable case discounts and all credits and charges. The bid price shall be the complete price for these services. No additional charges, such as surcharges for fuel or any other commodity will be accepted.

9. INVOICES AND PAYMENTS

The Contractor shall submit an invoice(s) detailing the services and products provided in accordance with the payment provisions of this contract. Invoice shall show the purchase order number and the address where the product or service was provided. Payment shall be made in accordance with the Local Government Prompt Payment Act.

10. BID REVIEW

After bid submittal, bids may be subjected to subsequent review. Lake County reserves the right to conduct follow up reference checks, request additional information or perform other activities related to comprehensive bid review and determination of the lowest responsive and responsible bidder who best meets the specifications.

11. NON-ENFORCEMENT BY THE COUNTY

The Contractor shall not be excused from complying with any of the requirements of the contract because of any failure on the part of the County, on any one or more occasions, to insist on the Contractor's performance or to seek the Contractor's compliance with any one or more of said terms or conditions.

12. REFERENCES

References must be provided as requested on the Reference Page. Bidders shall complete and submit the Reference Form with their bid.

13. UNBALANCED BIDDING

Bidders shall not submit a bid, which contains irregularities of any kind, including unbalanced bids. By an unbalanced bid, it is meant that one or more separate items are substantially out of line with the price for other comparable items. The County reserves the right not to award any items whose unit discount rates appear excessive or unbalanced.

14. TERMINATION

The County reserves the right to terminate this contract, or any part of this contract, upon thirty (30) days' written notice. In case of such termination, the Contractor shall be entitled to receive payment from the County for services provided in accordance

with the terms and conditions of this contract. In the event that this contract is terminated due to Contractor's default, the County shall be entitled to purchase substitute items and/or services elsewhere and charge the Contractor with any or all losses incurred, including attorney's fees and expenses.

15. CHANGE IN STATUS

The Contractor shall notify Lake County immediately of any change in its status resulting from any of the following: (a) vendor is acquired by another party; (b) vendor becomes insolvent; (c) vendor, voluntary or by operation law, becomes subject to the provisions of any chapter of the Bankruptcy Act; (d) vendor ceases to conduct its operations in normal course of business. Lake County shall have the option to terminate its contract with the vendor on 15 days written notice based on any such change in status.

16. PRECEDENCE

Where there appears to be variances or conflicts, the following order of precedence shall prevail: Lake County General Terms and Conditions, Lake County Invitation for Bids General Terms and Conditions, Lake County's Specifications, and the Contractor's Bid Response.

17. MOST FAVORED CUSTOMER

The Contractor guarantees that the prices covered by this contract shall be the lowest prices offered to any customer for similar goods/services during the period of this contract. If the Contractor offers lower prices or new rate plans for similar goods/services to any other customer during the contract period, then these lower prices shall be offered to Lake County, and the contract shall be modified accordingly.

18. RESERVED RIGHTS

Lake County reserves the right to cancel this Invitation for Bid at any time, to reject any and all bids for any reason, to accept an alternate bid, to waive any informalities or exceptions in the bid and to award on a collective or individual item basis.

19. HOLD HARMLESS CLAUSE

The Contractor agrees to indemnify, save harmless and defend Lake County, its agents, servants, employees, and each of them against and hold it and them harmless from any and all lawsuits, claims, demands, liabilities, losses, and expenses; including court costs and attorney's fees for or on account of any injury to any person, or any death at any time resulting from such injury, or any damage to property, which may arise or which may be alleged to have arisen out of, or in connection with the work covered by this project. The foregoing indemnity shall apply except if such injury is caused directly by the willful and wanton conduct of Lake County, its agents, servants, or employees or any other person indemnified hereafter.

20. INSURANCE

All Contracts may be subject to change

The contractor must obtain, for the Contract term and any extension of it, insurance issued by a company or companies qualified to do business in the State of Illinois with an A.M. Best Rating of at least A-and provide the County with a Certificate of Insurance 15 days before the start of the project, and thereafter annually for contracts/ projects that will last more than one year. Insurance in the following types and amounts is necessary and/or where applicable:

Workers Compensation (Coverage A) and Employers Liability (Coverage B)

Workers Compensation Insurance covering all liability of the Contractor arising under the Worker's Compensation Act and Worker's Occupational Disease Act at limits in accordance with the laws of the State of Illinois. Employers' Liability Insurance shall be maintained to respond to claims for damages because of bodily injury, occupational sickness, or disease or death of the Contractor's employees, with limits listed below:

Employers Liability

- a) Each Accident \$1,000,000
- b) Disease-Policy Limit \$1,000,000
- c) Disease-Each Employee \$1,000,000

Such Insurance shall contain a waiver of subrogation in favor of Lake County.

Commercial General Liability Insurance

In a broad form on an occurrence basis shall be maintained, to include, but not be limited to, coverage for property damage, bodily injury (including death), personal injury and advertising injury in the following coverage forms where exposure exists:

- Premises and Operations
- Independent Contractors
- Products/Completed Operations
- Liability assumed under an Insured Contract/ Contractual Liability
- Personal Injury and Advertising Injury

With limits of liability not less than:

\$ 1,000,000 Each Occurrence

\$ 1,000,000 Products-Completed Operations

\$ 1,000,000 Personal and Advertising injury limit

\$ 2,000,000 General aggregate; the CGL policy shall be endorsed to provide that the General Aggregate limit applies separately to each of the contractor's projects away from premises owned or rented to contractor.

Automobile Liability Insurance

Automobile liability insurance shall be maintained to respond to claims for damages because of bodily injury, death of a person, or property damage arising out of ownership, maintenance, or use of a motor vehicle. This policy shall be written to cover any auto whether owned, leased, hired, or borrowed.

The Contractor's auto liability insurance, as required above, shall be written with limits of insurance not less than the following:

\$ 1,000,000 Combined single Limit (Each Accident)

Contractor agrees that with respect to the above required insurance:

- a) The CGL policy shall be endorsed for the general aggregate to apply on a "per Project" basis;
- b) The Contractor's insurance shall be primary in the event of a claim.
- c) Contractor agrees that with respect to the above required insurance, Lake County shall be named as additional insured, including its agents, officers, and employees and be provided with thirty (30) days notice, in writing by endorsement, of cancellation or material change;
- d) Lake County shall be provided with Certificates of Insurance and endorsements evidencing the above required insurance, prior to commencement of this Contract and thereafter with certificates evidencing renewals or replacements of said policies of insurance at least thirty (30) days prior to the expiration of cancellation of any such policies. Said Notices and Certificates of Insurance shall be provided to:

**Lake County
Purchasing Division
18 N. County 9th Floor
Waukegan, Illinois 60085
Attn: RuthAnne Hall, Lake County Purchasing Agent**

Failure to Comply: In the event the Contractor fails to obtain or maintain any insurance coverage required under this agreement, the Lake County may purchase such insurance coverage and charge the Expense thereof to the Contractor.

21. INDEPENDENT CONTRACTOR

The Contractor is an independent contractor and no employee or agent of the Contractor shall be deemed for any reason to be an employee or agent of Lake County.

22. NON-ENFORCEMENT BY THE COUNTY

The Contractor shall not be excused from complying with any of the requirements of the Contract because of any failure on the part of the County, on any one or more occasions, to insist on the Contractor's performance or to seek the Contractor's compliance with any one or more of said terms or conditions.

23. JOINT PURCHASING

The purchase of goods and services pursuant to the terms of this Contract shall also be offered for purchases to be made by other governmental units, as authorized by the Governmental Joint Purchasing Act, 30 ILCS 525/0.01, et seq. (the "Act"). All purchases and payments made under the Act shall be made directly by and between each governmental unit and the successful bidder. The

bidder agrees that Lake County shall not be responsible in any way for purchase orders or payments made by the other governmental units. The bidder further agrees that all terms and conditions of this Contract shall continue in full force and effect as to the other governmental units during extended terms. The credit or liability of each governmental unit shall remain separate and distinct. Disputes between bidders and governmental units shall be resolved between the immediate parties.

The bidder and the other governmental units may negotiate such other and further terms and conditions to this Contract ("Other Terms") as individual projects may require. To be effective, Other Terms shall be reduced to writing and signed by a duly authorized representative of both the successful bidder and the other governmental unit.

The bidder shall provide the other governmental units with all required documentation set forth in the solicitation including but not limited to: performance and payment bonds, Certificates of Insurance naming the respective governmental unit as an additional insured and certified payrolls to the other governmental unit as required.

24. ECONOMIC OPPORTUNITY PROGRAM

Lake County launched a **Buy Local. Build Local. Work Local.** initiative in 2013 to increase the outreach and procurement opportunities for businesses located within Lake County, including women-owned businesses and minority-owned business enterprises (L/W/MBE). The overarching objective is to maximize participation from these businesses in the County's procurement process, in accordance with applicable law. The County will take all necessary and reasonable steps to assure that business enterprises defined as L/W/MBE shall have a fair opportunity to participate in County contracts. As part of its Economic Opportunity Program (EOP) commitment the County will make every effort to achieve the following objectives:

- (a) To ensure nondiscrimination in the award and administration of contracts;
- (b) To create a level playing field on which L/W/MBEs can compete fairly for contracts by providing any necessary training and assistance in bid preparation;
- (c) To ensure that the County's EOP is narrowly tailored in accordance with applicable law;
- (d) To establish a means for firms identifying themselves as L/W/MBEs to register for procurement opportunities and work cooperatively with contracted firms to report on measures that demonstrates the County's commitment to its EOP; and,
- (e) To help remove barriers to the participation of L/W/MBEs through notification of contract opportunities.

Successful bidders are encouraged to work with Workforce Development to post any and all opportunities for employment on County contracts. Lake County's Workforce Development mission is to foster and ensure the economic prosperity of the Lake County community by maximizing the potential of businesses and workers. As such, Workforce Development provides a key resource for job seekers and employers.

State law mandates an open and competitive bidding process and requires that publicly procured contracts be awarded to the lowest responsible and responsive bidder with no demonstrated preference based on the bidder's location, race and gender.

25. REPORTING REQUIREMENTS FOR AWARDED CONTRACTS

All awarded vendors will identify and report the type of ownership— L/W/MBE, and/or not L/W/MBE for any work that they or their approved subcontractors will perform. In addition, Lake County requests that all awarded vendors provide an accounting of employees assigned throughout the term of the contract in regards to their home address and ethnicity. Lake County may use any data collected to report on potential of businesses and workers benefitting from County contracts.

26. SUSTAINABILITY STATEMENT

Lake County is committed to green and sustainable practices and good environmental stewardship. Consequently, we are asking bidders to provide a Statement of Sustainability to ensure our bidders are also incorporating sustainability into their firms' practices. Please complete Appendix A, included herein, and include it with the bidder's submission.

27. ADDITIONAL INFORMATION

Should the bidder require additional information about this bid, please submit questions on our website at <http://lakecountypurchasingportal.com> by selecting the bid number and addendum link. Questions may also be submitted via email to purchasing@lakecountyil.gov. All questions shall be submitted no less than seven (7) days prior to the bid opening date. ANY and ALL changes to these specifications are valid only if included in an addendum issued by Lake County Purchasing. No interpretation of the meaning of the plans, specifications or other contract documents will be made orally. Failure of any bidder to receive any such addendum or interpretation shall not relieve the bidder from obligation under this bid as submitted. All

addenda as issued shall become part of the bid documents. Failure to request an interpretation constitutes a waiver to later claim that ambiguities or misunderstandings caused a bidder to improperly submit a bid.

28. ADDENDUM ACKNOWLEDGEMENT

Any and all changes to the specifications, terms, and conditions of this Bid are valid only if they are included by addendum issued by Lake County Purchasing. Bidders shall acknowledge addenda by signing the enclosed Addendum Acknowledgement form. It is the vendor's responsibility to check for addendums, posted on the website at <http://lakecountypurchasingportal.com> prior to the submittal due date. No notification will be sent when addendums are posted unless there is an addendum within three business days of the submittal due date.

29. LABOR STATUTES, RECORDS AND RATES

The following enclosed documents shall be a part of the Contract Documents for this project:

- a. "Labor Statutes, Records and Rates," dated September 2017.
- b. "Prevailing Wages for Construction Trades," as issued monthly by the Illinois Department of Labor.

30. CHANGE ORDERS

The Owner believes that the project is fully defined in the Contract Documents and that Change orders will not be necessary. However, in the event that a Change Order is required, the Contractor shall review the scope of work to be performed under the contract to suggest alternatives that can be implemented to offset the cost increase of any necessary changes without sacrificing the quality and/or scope of the contract specifications. All Change Orders and alternative suggestions must be approved by the County prior to execution.

A 10% allowance for the combined overhead and profit, including premiums for all bonds and insurance, shall be applied to both extras and credits for work performed by the Contractor. If the changed work is performed by a Subcontractor, no more than 10% shall be added to the Subcontractor's costs for overhead and profit, and no more than 5% shall be added for the Prime Contractor's overhead and profit. Further, no more than 5% shall be added for each intermediate Subcontractor, if any, between the Contractor and the Subcontractor performing the changed work.

Each written Request for a Change Order must be accompanied by written suggestions where costs can be reduced to offset the Change Order increase requested or a written certification stating that the Contractor has reviewed the work to be performed and cannot identify areas where costs can be reduced.

A written Change Order must be issued by Lake County Purchasing Division prior to commencing any additional work covered by such order. Work performed without proper authorization shall be the Contractor's sole risk and expense.

If a change affects work covered by unit prices in the contract, such prices shall be used as the basis for adjustments to the contract sum.

In all other cases, adjustments to the contract sum shall be based on the Contractor's direct cost, including costs of material, labor, equipment and taxes as applicable. Labor rates shall be itemized on the detailed breakdown indicating the trade base wage rate, total fringe benefits, FICA, unemployment compensation insurance and workmen's compensation insurance.

31. SAFETY

The contractor is responsible for having their own safety policies. A Copy of each policy shall be submitted with the bid.

All Contractors shall familiarize themselves with all provisions of all Acts referred to herein and in addition shall make an investigation of labor conditions and all negotiated labor agreements which may exist or are contemplated at this time. Nothing in the Acts referred to herein shall be construed to prohibit the payment of more than the prevailing wage scale.

In the employment and use of labor, the Contractor and any subcontractor of the Contractor shall conform to all Illinois Constitutional and statutory requirements including, but not limited to, the following:

1.0 Equal Employment Opportunity:

1.1 Illinois Constitution, Article I, Section 17, which provides: "All persons shall have the right to be free from discrimination on the basis of race, color, creed, national ancestry and sex in the hiring and promotion practices of any employer or in the sale or rental of property."

1.2 Illinois Constitution, Article I, Section 18, which provides: "The equal protection of the laws shall not be denied or abridged on account of sex by the state or its units of local government and school districts."

1.3 The Public Works Employment Discrimination Act, 775 ILCS 10/1, provides in substance that no person may be refused or denied employment by reason of unlawful discrimination, nor may any person be subjected to unlawful discrimination in any manner in connection with contracting for or performance of any work or service of "any kind by, for, on behalf of, or for the benefit of the State, or of any department, bureau, commission, board or other political subdivision or agency thereof."

1.4 Contractor shall comply with the Illinois Human Rights Act, 775 ILCS 5/1-101 et seq., as amended and any rules and regulations promulgated in accordance therewith, including, but not limited to the Equal Employment Opportunity Clause, Illinois Administrative Code, Title 44, Part 750 (Appendix A), which is incorporated herein by reference. Furthermore, the Contractor shall comply with the Public Works Employment Discrimination Act, 775 ILCS 10/0.01 et seq., as amended.

2.0 The Veterans Preference Act, 330 ILCS 55/1, provides: "In the employment and appointment to fill positions in the construction, addition to, or alteration of all public works undertaken or contracted for by the State, or any of its political subdivisions thereof, preference shall be given to persons who have been members of the Armed Forces of the United States...in times of hostilities with a foreign country..."

3.0 The Servicemen's Employment Tenure Act, as amended, 330 ILCS 60/2, "safeguarding the employment and the rights and privileges inhering in the employment contract, of servicemen."

4.0 The Prevailing Wage Act, 820 ILCS 130/1 et seq., provides: "It is the policy of the State of Illinois that a wage of no less than the general prevailing hourly rate as paid for work of a similar character in the locality in which the work is performed, shall be paid to all laborers, workers and mechanics employed by or on behalf of any and all public bodies engaged in public works." The current Schedule of Prevailing Wages for Lake County is enclosed and must be prominently posted at the project site by the Contractor.

4.1 The Prevailing Wage Act, 820 ILCS 130/4, provides: "All bid specifications shall list the specified rates to all laborers, workers and mechanics in the locality for each craft or type of worker or mechanic needed to execute the contract. If the Department of Labor revises the prevailing rate of hourly wages to be paid by the public body, the revised rate shall apply to such contract, and the public body shall be responsible to notify the Contractor and each subcontractor of the revised rate."

4.1.1 The County shall notify the Contractor of any revised rates as determined by the Department of Labor and as received by the County. It shall be the responsibility and liability of the Contractor to promptly notify each and every subcontractor of said revised rates.

4.1.2 Unless otherwise specified in the Contract Documents, the Contractor shall assume all risks and responsibility for any changes to the prevailing hourly wage which may occur during the Contract Time. A revision to the prevailing rate of hourly wages shall not be cause for any adjustment in the Contract Sum.

4.2 The Prevailing Wage Act, 820 ILCS 130/5 provides that the Contractor and each Sub Contractor shall, "submit monthly, in person, by mail or electronically a certified payroll to the public body in charge of the project."

4.2.1 The Contractor shall submit to the County by tenth day, monthly, a certified payroll list including all workers, laborers and mechanics employed by the Contractor and each of the Sub Contractors.

4.2.2 The certified payroll records shall include each worker's name, address, telephone number, social security number, classification, number of hours worked each day, the hourly wage and starting and ending times each day.

4.2.3 Included with the payroll records, the Contractor and each Sub Contractor shall attest, in writing, to the veracity and accuracy of the records and that the hourly rate paid is not less than the general prevailing wages required.

5.0 The Child Labor Law, as amended, 820 ILCS 205/1, which provides: "No minor under 16 years of age at any time shall be employed, permitted or suffered to work in any gainful occupation...in any type of construction work within this state."

The Contractor will include verbatim or by reference the provisions contained herein in every subcontract it awards under which any portion of the contract obligations are undertaken or assumed, so that such provisions will be binding upon such subcontractor. The Contractor will be liable for compliance with these provisions by such subcontractors.

The Contractor and each subcontractor shall keep or cause to be kept an accurate record of names, occupations and actual wages paid to each laborer, workman and mechanic employed by him in connection with the contract. This record shall be open at all reasonable hours for inspection by any representative of the County or the Illinois Department of Labor and must be preserved for four (4) years following completion of the contract.

6.0 Illinois Workers on Public Workers Act: In the employment and use of labor, the Contractor and any subcontractor of the Contractor shall conform to all Illinois Constitutional and statutory requirements including, but not limited to, the following: "Illinois Workers on Public Works Act, 30 ILCS 570/ et seq, including Public Act 096-0929 signed into law on June 16, 2010." The level of unemployment in the State of Illinois has exceeded 5% for two (2) consecutive calendar months as of July 2, 2010.

7.0 Current Prevailing Wage Rates can be found at:
<https://www2.illinois.gov/idol/Laws-Rules/CONMED/Pages/2018-Rates.aspx>

1. SCOPE

Lake County is seeking qualified contractors to apply Xypex Coating which is Cementitious Crystalline Waterproofing product. The concrete waterproofing and protection system shall be of the crystalline type that is a blend of Portland cement, fine treated silica sand and active proprietary chemicals. When mixed with water and applied as a cementitious coating, the active chemicals diffuse into the concrete and cause a catalytic reaction which generates a non-soluble crystalline structure within the pores and capillary tracts of concrete. This crystalline system causes the concrete to become sealed against the penetration of liquids from any direction and protects the concrete from deterioration due to harsh environmental conditions. The system is used for above or below-grade walls and slabs, including liquid retaining structures and where enhanced chemical resistance is required.

All materials are to be certified per NSF/ANSI Standard 61 for potable water usage.

The project shall include surface preparation with a high-pressure water jetting to SPC-3.

This project may require concrete repair, where cracks larger than 1/64" exist or fill voids, bug holes and spalled areas, restoring the surface to required surface plane. Lake County acknowledges there are numerous cracks where water can either pass through the walls or reenter the reservoir to be mitigated.

The application Xypex concentrate to cover the vertical walls just under 1/16" (1.25 mm) thickness.

2. SPECIAL CONDITIONS AND SAFETY

1. This is a potable water reservoir and the contractor shall maintain a clean and sanitary work site, both inside and outside of the reservoir.
2. Lock Out/Tag Out procedures shall be performed by the systems operator and must be scheduled in advance when working around energized equipment that starts without notice. Lockout and tagout is important for worker safety. Where applicable, each entrant shall provide their own lock and key.
3. The reservoir cannot be left out of service for an extended time, once work begins the contractor shall continue to complete the job in a timely manner working Monday through Friday between the hours of 7:00 a.m. to 3:30 p.m. Extended hours shall be coordinated in advanced, without and additional cost to Lake County.
4. Access to the reservoir is through one of two roof hatches and a fixed ladder. The contractor shall provide anti-fall device for entry and exit.
5. The contractor must ensure no one is left behind or locked inside the reservoir and the end of the work shift.
6. The contractor shall always provide a working 4 x 4 gas monitor when workers are working in the reservoir.
7. The contractor shall treat the interior reservoir as a confined space.

3. PREPARATION

1. The concrete surface to be treated must be clean and free of laitance, dirt, film, paint, coatings or other foreign matter. The surface must also have an open capillary system to provide "tooth and suction" for the Xypex treatment. A CSP-3 per the International Concrete Repair Institute Guidelines and Surface Profile Chips is recommended.
2. If surface is too smooth (e.g. where steel forms are used) or if surface is covered with excess form oil or other foreign matter, the concrete shall be lightly sand-blasted, water-blasted or etched with acid.
3. Horizontal surfaces should have a rough wood float or broom finish. Concrete laitance must be removed from surface by light sandblasting, water-blasting or etching with acid.
4. Surfaces to be etched with acid should be dampened with water before application of the acid. After acid etching flush concrete thoroughly with clean water.

4. REPAIRS PRIOR TO COATING APPLICATION

For cracks larger than 1/64" (0.4 mm) or for actively leaking cracks the following repair procedures are recommended.

1. Chip out cracks, faulty construction joints and other structural defects to a depth of 1.5" (37 mm) and a width of one inch (25 mm). A "V" shaped slot is not acceptable. The slot may be saw cut instead of chipped but ensure that the slot is dovetailed or otherwise shaped such that there will be mechanical interlock of materials placed into the slot at a later stage.
2. Clean the slot of debris and dust. Wash the application area thoroughly and remove any excessive surface water.
3. Apply by brush a slurry coat of Xypex Concentrate in the slot and allow to set until tacky.

4. Fill cavity by tightly compressing Dry-Pac into the groove with pneumatic packing tool or with hammer and wood block. (See below for Dry-Pac mixing instructions.)
5. Against a direct flow of water (leakage) or where there is excess moisture due to seepage, use Xypex Patch'n Plug in lieu of Dry-Pac followed by a brush coat of Xypex Concentrate.
6. For expansion joints or chronic moving cracks, flexible materials such as expansion joint sealants should be used that is certified per NSF/ANSI Standard 61. Which is chemical resistant elastomeric joint sealant. PolySpec Thiokol 2235M or Sikaflex-1A
7. Where an existing expansion joint is found to have failed (leaking). The failed joint compound shall be removed to the depth of one (1) inch to the point that the sealant is tightly adhered to the surface. Treat the concrete with the slurry coat of Xypex Concentrate and allow to cure.
8. Install the Thiokol 2235M HP High Performance Joint Sealant system as outlined in the PolySpec application guide / (Technical Data Sheet). Or apply the Sikaflex-1A in accordance with the product data sheet.
9. All areas of poor concrete consolidation (honeycomb or rock pockets) should also be repaired. Refer to Xypex Method Statements (www.xypex.com) or contact Xypex's Technical Services Department or your local Xypex Technical Services Representative for more information.

5. WETTING CONCRETE

Xypex requires a saturated substrate and a dry surface. This is commonly referred to as a saturated surface dry or SSD condition. SSD concrete will not absorb any more water but has no glistening water on the surface. Concrete surfaces, therefore, must be thoroughly saturated with clean water prior to the application so as to aid the proper diffusion of the Xypex chemistry and to ensure the growth of the crystalline formation deep within the pores of the concrete. Remove excess water before the application such that there is no glistening water on the surface. If concrete dries out before application, it must be re-wetted.

6. DRY-PAC

The contractor shall identify areas where the surface is in need of repair that will require Dry-Pac. Lake County shall approve of the repair prior to repairing. Extras shall be pre-approved based on the square footage of the defective area, cracks greater than 1/64", honeycombing, rock pockets, spalled or large bug holes.

Using a trowel, mix one-part clean water with six parts Xypex Concentrate powder by volume for 10 - 15 seconds. Lumps should be present in this mixture. Do not mix more than can be applied in 20 minutes. The mixture shall be applied with a trowel filling the area to obtain a smooth uniform surface.

7. MIXING

1. Mix Xypex with clean water only (potable water that is free of salt and other deleterious materials).
2. Mix Xypex powder into the clean water with a paddle on a slow speed electric drill (250 RPM) or with other equipment that ensures adequate mixing. For small jobs, Xypex may be mixed by gloved hand or by trowel.
3. Be sure that the quantity mixed can be applied within 20 - 30 minutes. As the mixture thickens, stir briefly to re-fluidize the mix but do not add water. Do not mix bonding agents or admixtures with crystalline waterproofing materials.

8. MIXING FOR SLURRY COAT

Mix Xypex powder with clean water to a creamy consistency in the following volume proportions:

For Brush Application Coverage	Proportions (by volume)
1.5 lb./sq. yd. (0.8 kg/m ²)	5 parts powder to 2 parts water
2.0 lb./sq. yd. (1.0 kg/m ²)	3 parts powder to 1 parts water
For Spray Application Coverage	Proportions (by volume)
1.25 - 1.5 lb./sq. yd. (0.65 - 0.8 kg/m ²)	5 parts powder to 3 parts water (ratio may vary with equipment type)

9. APPLICATION OF XYPEX

- a. Apply Xypex with a semi-stiff nylon bristle brush, push broom (for large horizontal surfaces), or specialized spray equipment. Do not apply Xypex with a trowel, roller, paintbrush or paint sprayer. Contact Xypex's Technical Services Department or your local Xypex Technical Services Representative for further information.
- b. The Xypex coating must be uniformly applied and should be just under 1/16" (1.25 mm) thick. A thicker coating can cause curing or other difficulties, especially in warm weather.

- c. When a second coat (Xypex Concentrate or Modified) is required, it should be applied after the first coat has reached an initial set but while it is still “green” (less than 48 hours). Curing by misting the coating with water should be done between coats. Ensure first coat is in SSD condition before application of the second coat.
- d. For slab (horizontal) applications, care should be taken to spread the Xypex evenly, pulling a heavy broom over the fresh Xypex. This should be done in long strips and will serve to eliminate settlement of the Xypex in low spots on the slab to remove excess material which may have been applied.
- e. In hot weather it is advisable to apply Xypex either early in the morning or late in the day. This will prevent the Xypex coating from drying out too quickly.

10. CURING

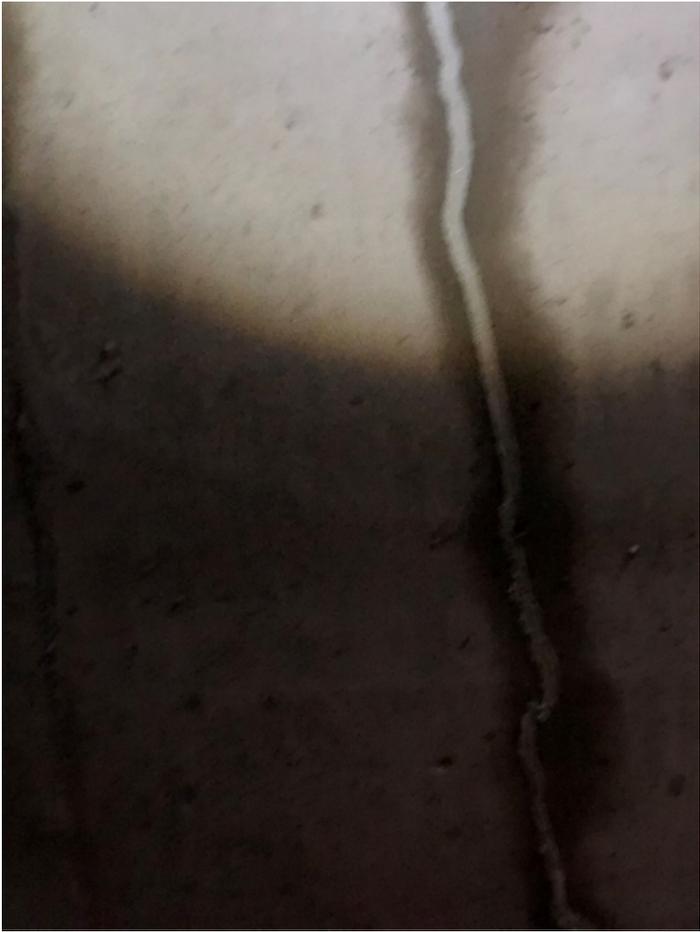
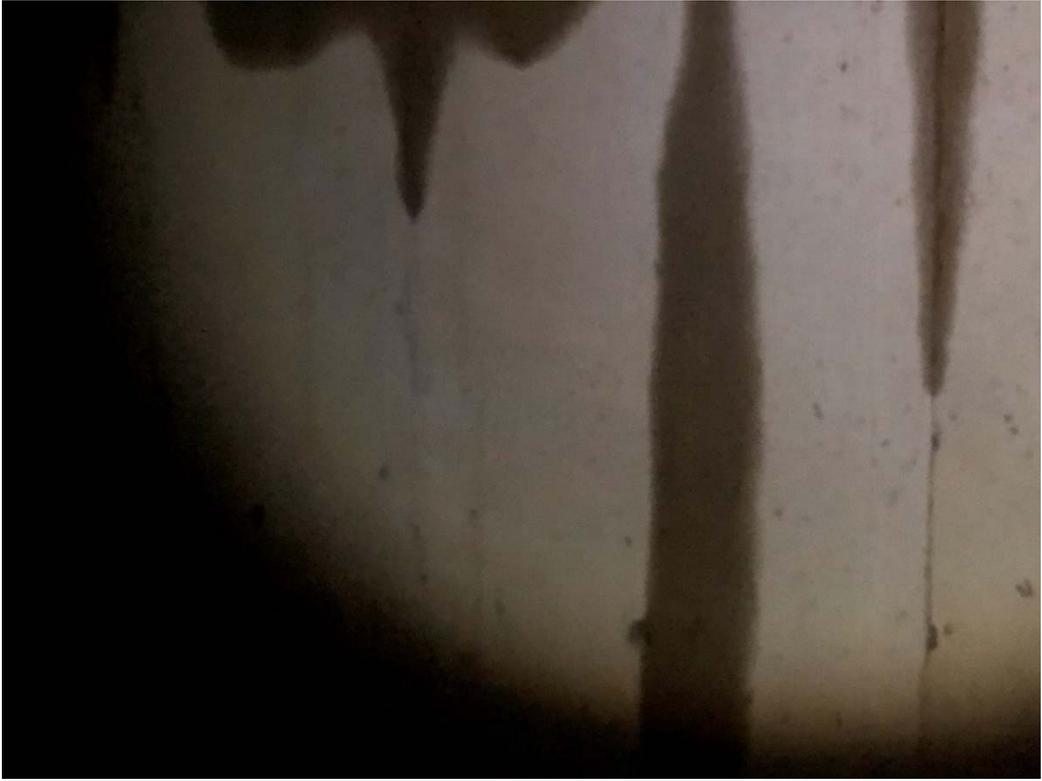
- a. Generally, a misty fog spray of clean water is used for curing the Xypex treatment. Curing should begin as soon as the Xypex has set to the point where it will not be damaged by a fine spray of water
- b. During the curing period, the coating must be protected from rainfall, frost, wind, the puddling of water and temperatures below 36°F (2°C) for a period of not less than 48 hours after application.
- c. For concrete structures that hold liquids (e.g. swimming pools, reservoirs, wet wells, tanks, etc.), Xypex should be cured for three days and then allowed to set for 12 days before filling the structure with liquid. It is critical that the Xypex cure for a total of 15 days before returning to service, in order to achieve the proper crystalline structure needed for waterproofing.
- d. In situations where there is very high humidity and poor air circulation (e.g. small, enclosed reservoirs or wet wells), fans or blown air to create air movement within the space may be necessary to aid the curing of Xypex.

11. CAUTION HANDLING

- a. Xypex is highly alkaline.
- b. Avoid contact with skin or eyes.
- c. Protect hands with rubber gloves when handling dry powder or wet mixture.
- d. If skin comes into contact with Xypex material, wash immediately and thoroughly with water for 15 minutes. If discomfort continues, seek prompt medical attention.
- e. Wear eye protection. If dry powder or wet mixture gets into eyes, flush immediately and thoroughly with water and seek medical aid.
- f. Wear a suitable mask where there is potential for generating dust. If Xypex is ingested, do not induce vomiting. Have affected person drink two glasses of water and obtain immediate medical attention.
- g. For Safety Data Sheets, contact Xypex Chemical Corporation at 604.273.5265, toll-free 800-961-4477 or refer to SDS located at: www.xypex.com.

12. WARRANTY

- A. Manufacturer’s Warranty: Manufacturer shall provide standard product warranty executed by authorized company official.
- B. Applicator’s Warranty: Applicator shall warrant the waterproofing installation against defects caused by faulty workmanship or materials for a period of typically (specify term) years from Date of Substantial Completion. The warranty will cover the surfaces treated and will bind the applicator to repair, at his expense, any and all leaks through the treated surfaces which are not due to structural weaknesses or other causes beyond applicator’s control such as fire, earthquake, tornado and hurricane. The warranty shall read as follows:
 - Warranty: The applicator warrants that, upon completion of the work, surfaces treated with cementitious crystalline waterproofing will be and will remain free from water leakage resulting from defective workmanship or materials for a period of one (1) year from Date of Completion. In the event that water leakage occurs within the warranty period from such causes, the applicator shall, at his sole expense, repair, replace or otherwise correct such defective workmanship or materials. Applicator shall not be liable for consequential damages and applicator’s liability shall be limited to repair, replacement or correcting of defective workmanship or materials. Applicator shall have no responsibility with respect to water leakage or other defects caused by structural failure or movement of the structure, or any other causes beyond Applicator’s control.





Addendum Acknowledgement Bid #20024

The undersigned acknowledges receipt of the following addendum(s):

ADDENDUM #	SIGNATURE

I have examined and carefully prepared the submittal documentation in detail before submitting my response to Lake County.

Submittal Number: 20024 _____

Company Name: _____

Authorized Representative: _____

Authorized Representative: *Signature* _____

Authorized Representative: *Print* _____

Date: _____

It is the vendor’s responsibility to check for addendums, posted on the website at <http://lakecountypurchasingportal.com> prior to the submittal due date. No notification will be sent when addendums are posted unless there is an addendum within three business days of the submittal due date.

If the submittal has already been received by Lake County, vendors are required to acknowledge receipt of addendum via email to purchasing@lakecountyil.gov prior to the due date.

Submittals that do not acknowledge addendums may be rejected.

All responses are to be submitted in a sealed envelope. Envelopes are to be clearly marked with required submittal information.

**Greggs Landing Painting Project
CONTRACTOR QUALIFICATIONS**

January 2020

(This section must be completed and returned with bid. Attach additional pages as required to complete required documentation.)

Name and Address of Office from which this contract will be administered

Name: _____

Administration Office Address: _____

Phone: _____ **Fax:** _____ **Cell:** _____

Project Manager: _____

Emergency Contact _____ **24 Hour Cell Phone Number** _____

Years in Business: _____ (Minimum 5 years) **Number of Employees:** _____

Annual Sales: \$ _____ **Dunn & Bradstreet #:** _____

List Employees Who Will be Dedicated to Lake County for the Administration of This Contract:
(Attach additional pages as necessary)

NAME	POSITION TITLE	NUMBER OF YEARS	AREA OF RESPONSIBILITY / EXPERIENCE	TASK
_____	_____	_____	Primary contact person for Lake County	_____
_____	_____	_____	Secondary contact person for Lake County	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

SUSTAINABILITY STATEMENT INSTRUCTIONS

The County of Lake is committed to green and sustainable practices and good environmental stewardship. Consequently, we are asking bidders to provide a Statement of Sustainability to ensure our bidders are also incorporating sustainability into their firms' practices.

INSTRUCTIONS

On the following Sustainability Statement form, provide a clear description of your firm's sustainable practices, policies, or procedures. These practices may include, but may not be limited to, the following categories and examples:

Waste Minimization within your office or facilities, such as a recycling programs, double-sided copying, electronic internal communications (i.e. memos), use of recycled-content materials and reusable cups, limiting printing, electronic document management, instituting green purchasing policies, using green cleaning supplies and practices, or reducing packaging in materials you procure or supply.

Energy Efficiency within your office, facilities, or firm, such as lighting retrofits, photo-sensor switches for lighting, effective use of daytime lighting, using Energy Star rated appliances or equipment, using an alternative fuel or having efficient fleet policies, an anti-idling policy, or indoor temperature management (i.e. turning the thermostat up in the summer and down in the winter).

Water Efficiency within the office, facilities, or firm, such as faucet or fixture retrofits, switching from individual bottled water to office water coolers or drinking fountains, and installing drought-tolerant landscaping.

Staff encouraged to adopt sustainable practices and supported by your firm through public transit benefits, bicycle accommodations, telecommuting options, support for green seminar attendance, becoming US Green Building Council LEED accredited, or creating an internal "green team."

Education of your staff about green practices, education of your business peers about your green accomplishments, education of your community by your sustainability, or notice of any environmental awards your firm has achieved.

CONTINUE TO NEXT PAGE

SUSTAINABILITY STATEMENT

Bidder Name _____

Attach additional sheets if necessary.

Waste Minimization

Energy Efficiency

Water Efficiency

Staff

Education



VENDOR DISCLOSURE STATEMENT

Vendor Name:			
Address:			
Contact Person:		Contact Phone #:	
Bid/RFP/SOI/Contract/Renewal:	20024		

Vendors wishing to contract with Lake County for goods and services in an amount greater than \$30,000 shall submit this form in advance of award. This disclosure statement is not required for utility companies regulated by the Illinois Commerce Commission or local units of government. Vendors shall disclose:

- A familial relationship between a Lake County elected official, department director, deputy director and manager and owners, principals, executives, officers, account managers or other similar managerial positions of the vendor’s company. Familial relationship is defined as a spouse (including civil partner), child, stepchild, parent, stepparent, grandparent, in-laws (including parent, grandparent, sibling, or child), relatives and non-relatives living in the same residence, and offspring born to any aforementioned person.
- All political campaign contributions made by the vendor or an owner, principal, executive, officer, account manager, or other similar managerial position of the vendor to any county board member, county board chair, or countywide elected official within the last five years.

If there is nothing to report in a section, please state none in the appropriate space.

FAMILIAL RELATIONSHIPS

List names and departments/agencies of Lake County employees or public officials with whom owners, principals, or officers of the vendor’s company have a familial relationship and the nature of the relationship. Attach additional pages as necessary. (Provide all names or state none in the space below. Do not leave blank.)

Name and Department/Agency of Lake County Employee/Public Official	Familial Relationship

CAMPAIGN CONTRIBUTIONS

List campaign contributions that have been made within the last five years that exceed \$150 annually. Attach additional pages as necessary. (Provide all names or state none in the space below. Do not leave blank.)

Recipient	Donor	Description (e.g., cash, type of item, in-kind service, etc.)	Amount/Value	Date Made

Continuing disclosure is required if information changes. This Vendor Disclosure Statement form is available at www.lakecountyil.gov.

The full text of the County’s Ethics and Procurement policies and ordinances are available at www.lakecountyil.gov.

I hereby acknowledge that the information above is accurate and complete, that I am an authorized signer on behalf of the vendor, that I have read and understand these disclosure requirements, and that I agree to update this information if there are any related changes by submitting a new Vendor Disclosure Statement.

Authorized Signature:		Title:	
Printed Name:		Date:	

Vendors must insert “x” in the following box indicating exception and provide a brief narrative for exception.



**COUNTY OF LAKE
RESPONSIBLE BIDDER AFFIDAVIT**

Vendor Name:		Federal Employer Tax Identification #:	
Address:			
Contact Person:		Contact Phone #:	

- That the bidder agrees to and shall comply with the Equal Opportunity Employer provisions of Section 2000e of Chapter 21, Title 42 of the United States Code and Federal Executive Order Number 11246, as amended, by Executive Order 11375, and has and shall comply with the Chapter 33 (Purchasing) of Title III of the Lake County Code of Ordinances, be amended to modify the definition of “Responsible Bidder or Offeror”.
- That bidder has Certificates of insurance in accordance with general terms and conditions of the invitation for bid.
- That bidder hereby certifies that it shall comply with the provisions of the Illinois Prevailing Wage Act (820 ILCS 130/0.01 *et seq.*, as amended). All contractors and sub-contractors are required to turn in certified payrolls as specified in Illinois Public Act 94-0515, and follow all provisions of the Employee Classification Act, 820 ILCS 185/1 *et seq.*
- That the bidder hereby certifies: [check all that apply]

_____ bidder has not received any notices of violations of the Illinois Prevailing Wage Act (820 ILCS 130/0.01 *et seq.*)

_____ in the event any such notice has been received by bidder, a copy of any such notice is attached hereto

_____ in the event that bidder has received such a notice, any documentation demonstrating the resolution of any such notice is attached hereto

_____ for each such notice received by bidder, the matter has been resolved as follows:

- All bidders must provide three (3) projects as detailed on the invitation for bid reference form.
- Disclosure of the name and address of each subcontractor from whom the contractor has accepted a bid and/or intends to hire on any part of the project prior to the subcontractor commencing work on the project.
- The bidder and all bidder’s sub-contractors must participate in active apprenticeship and training programs approved and registered with the U.S. Department of Labor’s Office of Apprenticeship for each of the trades of work contemplated under the awarded contract.

Vendors must insert “x” in the following box indicating exception and provide a brief narrative for exception.

Authorized Signature:		Title:	
Printed Name:		Date:	



**Lake County Public
Works
Maintenance
Coating
Specifications
2017**

LAKE COUNTY PUBLIC WORKS

The following general procedures shall apply to all maintenance coatings and painting projects applicable to Lake County Public Works Department. This document is referenced in the bidders painting specification.

Due to the nature of work and working environments, safety is a primary concern when working in and around the various facilities. Lake County Public Works Owns and operates wastewater treatment facilities and public water systems. Many of these facilities must remain in operation 24/7. Lake County Public Works Department has developed Safety Policies that address worker safety. These policies are referenced throughout the specification for all employees and contractors to follow.

In addition, this document provides our standards for coatings and surface preparation.

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Coatings and surface preparation

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SP-2.00 STEEL PREPARATION	Page 13
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FP-7.10 NEW OR UNPAINTED FLOOR	Page 22
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FP-7.90 FLOOR PATCHING AND REPAIRS	Page 27

General Procedures

1. **Pre-construction:** A meeting shall be held two weeks prior to the start of any project. The purpose of this meeting will be to layout the job:
 - A. Point out safety concerns and address:
 - a. Lockout-Tagout. Policy 18:00
 - b. Confined Space Entry, pursuant to Policy 10:800
 - B. Determine a staging area, where contractor tools and supplies shall be stored.
Notice: The contractor shall provide all equipment and sundries, (brushes, rollers and sleeves, plastic, tape and any other expendable commodity) as required to complete the job in a safe and efficient manner.
 - C. Work Hours, and any other issues associated with the project.

2. **Extra's:** The contractor shall submit in writing the cost estimate, (submittal) for approval by the owner. No "Extra" work shall take place prior to the owner's approval. Approval will be through return of a signed copy of the submittal indicating that the work can proceed. The owner will not pay for "Extra's" unless said the Superintendent, Director of Operations or the Counties purchasing agent has authorized work.

3. **Product Handling:** The contractor shall handle, apply and disposed of in a safe manner in accordance with the manufactures labeled instructions and MSDS. Care must be taken when working around water or wastewater tanks. The contractor will be held responsible for any damages or violations incurred through improper handling or disposal of product(s).

4. **Product Disposal:** The contractor shall be responsible for handling and disposal of all spent solvents generated during this project. The owner encourages the contractor to reclaim the spent solvents for their reuse.

Empty paint cans are to be stored with their lids off and allowed to cure. Multiple component products such as epoxy's and urethanes shall be catalyzed prior to disposal. Storage of spent containers shall be done in a manner where the containers will not collect rainwater, and will not contaminate the surrounding environment. The owner may dispose of empty paint cans provided no liquid(s) or material can leave the can with its lid off. The contractor shall transport said wastes to a site authorized by the owner. The owner reserves the right to accepted or deny the disposal of any wastes on a case-by-case basis.

5. **Product Application:** The application of all coatings shall be applied in accordance with the manufactures label application rates to achieve the proper dry film thickness. Each coating shall be applied in a manner that meets the label requirements (brush & rolled, sprayed or by other means). The application of thin film products and architectural coatings when applied to walls and ceilings; The Contactor should be aware that aesthetics' is an important part of the job as Lake County Public Works expects the finished surface to be smooth and uniform that is free of runs, drips, sags and ridges. During surface preparation, the contractor shall remove any existing runs and feather out any ridges where the existing coating(s) were removed and meets a tightly bonded coating. The contractor shall inform the owner of any problems, issues or surface defects that will interfere with the overall finished appearance of the job. Failure to do so will result in the removal, repair and re-coating of said areas at the contractor's expense.

6. **Work Hours & Facility Access:** Work hours are Monday through Friday from 7:00 AM to 3:30 PM. The contractor shall report to the assigned job site by 7:00 AM and be cleaned up and ready to leave by 3:30 PM each workday. The contractor can make special arrangements to augment these hours on job-by-job bases. These issues shall be determined at the pre-con meeting.

7. **Overtime:** The contractor shall schedule 24 – 48 hours in advance of any plans to work extended hours (overtime). The county will not be back charged or incur an Extra charge for overtime. Working on the weekends Saturday and possibly Sunday will be considered upon request.

8. **Facility Operations:** Each building located at or within the "Job" must remain in operation at all times. This will require coordination between the contractor and daily operations to provide a safe working environment. The contractor shall inform the personnel who routinely maintain the facility of their objective(s) on a daily basis. Lockout-Tagout issues should be determined and coordinated.

9. **Safety:** The contractor is responsible for having their own safety policies. Copies of each policy shall be made available upon request and submitted with the bid.

The Contractor shall be solely responsible for initiating, maintaining, and supervising all safety precautions in conjunction with the work specified here in. The Contractor shall take all necessary precautions for safety of and shall provide the necessary protection to prevent damage, injury or loss to:

- A. All persons on the site or who may be affected by the work.
 - B. All the work material and equipment to be incorporated therein.
 - C. All other properties at the site or adjacent thereto, including vehicles, landscaping, trees, shrubs, lawns) walks and pavements, utilities, and existing structures.
10. The contractor is to schedule 24 hours in advance all work around pumps, hoists, and electrical and or mechanical equipment. Thereby allowing the systems chief operator to lock out and tag out such equipment.
11. **LOCKOUT/TAGOUT** 18:00 and Electrical Safety 22:00: These issues are referred to throughout this specification. Lake County Public Works has established these policies' in conjunction with worker safety and OSHA regulations. All Public Works employees shall abide by these policies. When a piece of equipment is required to be Locked-out / Tagged-out, the contractor shall contact the Chief Operator or Plant Supervisor to deenergize the equipment. No work shall begin until the equipment has been locked out and Tagged out. The contract shall provide their own locks to each individual working on said equipment. The contractor's employees shall remove his or her lock at the end of their shift.
12. **Confined Space** (10:00): When specified, the contractors shall operate under their own entry permit. The contractor shall provide a copy of the completed permit(s) to the owner upon completion of the project.
13. The Lake County Public Safety Policies can be made available upon request through the Lake County Purchasing Department.
14. All work shall be performed in compliance with The Prevailing Wage Act, 820 ILCS 130/5.

TECHNICAL SPECIFICATIONS

A. VALVE COATING REMOVAL

When any Lake County Public Works maintenance painting involves the coating of valves, the Contractor(s) will be responsible for coordinating the cleaning and removal of old coatings from the valve stems with Public Works staff. Public Works management will decide on a case-by-case basis whether to remove all previous coatings in house or have the Contractor(s) perform this function during the cleaning and surface preparation phase of a given job. Pricing for coating removal from stems is to be billed per the hourly labor rate provided in the Contractor's bid, and is not to be included in the total bid price stipulated for individual maintenance painting. Valve stems are made of brass and care shall be taken not to gouge or impart deep scratches or scars on each stem.

The valve stem is a machine shaft that rides up and down when turned to open and close a valve. Paint on the shaft increases the shaft's diameter which affects the valve's internal seals and packing, and eventually leads to leaks. Several layers of coating can make the valve difficult to operate and taking valves apart requires removal of old coatings. Contractor(s) will be responsible for protecting all valve stems when coating of valves is required. All coatings, over sprays, drips and runs on valve stems are to be removed completely.

During the cleaning phase, the Contractor shall notify Lake County as to any valves that are found to be leaking. Lake County Public Works reserves the right to repair the device prior to maintenance painting. The Contractor shall be notified within 24 hours as to when Public Works maintenance personnel will repair the device.

In the event where the Contractor applies one or more coatings to a leaking valve, prior to the valve being repaired, the Contractor shall prepare and recoat the damaged areas at their expense.

B. ELECTRICAL BOXES, CONDUITS, AND CABINETS

Through the facilities are electrical boxes, control cabinets, conduits, seal tight conduit, pumps, motors and transformers. Control cabinets and breaker panels are not to be painted, unless specifically specified. Name plate information on pumps and motors

are to be masked off and not painted. Electrical box covers are not to be coated. Boxes and conduits are to be coated. Seal tight conduit and any related fittings are not to be coated. The contractor shall take care to clean and prime these surfaces in accordance with the coating being applied.

C. FLOOR COATINGS

Each facility that Lake County Public Works owns and operates (Wastewater Treatment plants, Pump & Lift Stations and Well Houses) require continuous operation 24/7. It is important that the contractor inform the owner 24 hours in advance when floor preparation and coatings will take place. Cooperation between daily operations and the contractor's crew is vital so each party can interact to get the project completed without delays.

In the event where the Contractor fails to notify the owner or facility supervisor and operational personnel walk on or damage a newly coated floor, the Contractor shall prepare and recoat the damaged areas at their expense.

WP-1.00

CONCRETE PREPARATION: WALLS AND CEILING

All equipment in the work area shall be Locked-Out and Tagged-Out prior to work commencing, pursuant to Lockout-Tagout Policy 18:00.

- 1.01 Power wash as outlined in PW-6.0 to aggressively remove all loose coatings by power washing with a minimum 4000-5000 PSI power.
Note: Areas where an Electrical hazard exists, in Lou of power washing these areas shall be prepared in accordance with WP-1.10.
- 1.02 The introduction of a mild Tri-Sodium phosphate solution may be incorporated into the wash water to aide in the removal of dirt, oils and grease. All concrete surfaces must be free of dirt, loose paint, oil and grease. Greasy areas shall be scrubbed clean with Tri-Sodium phosphate solution as needed to obtain a clean surface.
- 1.03 The walls and ceiling shall be washed with a bleach solution (one-part bleach and two parts water), to kill any mold and mildew present.
- 1.04 All concrete surfaces shall be rinsed with clean tap water to remove all residual-cleaning agents.
- 1.05 All concrete surfaces shall be allowed to dry thoroughly for a minimum of three (3) days, prior to the application of any coatings. The coatings specified herein require the substrate to be thoroughly dry to 12% moisture content.
- 1.06 As the concrete dries, some of the remaining coating(s) will begin to release from the surface. Most notability the edges of the coating will lift and curl. These areas will need to be removed, either through mechanical abrasion or a heat gun and scrapping.
- 1.07 The contractor shall fill all cracks and large openings greater than a 3/8" with a concrete grout, mortar or 100% solids epoxy, (Hydraulic cement is not acceptable). Small cracks shall be filled with epoxy or caulked, using a flexible urethane material suitable for painting. The application of these materials shall be applied in a manner to yield a flat smooth uniform surface that blends into the surrounding area.
- 1.08 Bear or exposed concrete shall be primed as specified in the coatings schedule.
- 1.09 The application of the intermediate and or finish coats will be specified in the coatings schedule.

WP-1.10

CONCRETE PREPARATION: WALLS AND CEILING

In the event that power washing is not viable as specified in WP-1.00. These areas shall be hand tool cleaned in a manner as not to cause harm to either the individuals performing the tasks or the surrounding equipment.

All equipment in the work area shall be Locked-Out and Tagged-Out prior to work commencing, pursuant to Lockout-Tagout Policy 18:00.

- 1.11 Scrap by hand to loosen and remove any loose coatings and debris. Paint chips and debris are to be collected and disposed of in accordance with the best practices for the type of coating being removed.
- 1.12 Wash by hand with a mild TSP solution to remove all dirt, oils and grease present.
- 1.13 If mold and mildew is present, the application of a bleach solution (one-part bleach to two parts water) shall be applied.
- 1.14 By hand all surfaces shall be rinsed clean with tap water on a rag or sponge to remove the remaining cleaning agents.
- 1.15 Grind areas where coating failures have occurred with a wire brush or wheel to remove as much of the loose coatings as possible to a sound surface. Where the existing coating is tightly adhered; sand these areas to feather out the ridge where the removed coating(s) meet the existing coatings to yield a flat uniform surface.
- 1.16 All Runs and Sags in the previous coating(s) are to be sanded down to yield a flat uniform surface.
- 1.17 If the existing coating needs to be de-glossed, these areas shall be sanded with 100- grit sandpaper to in part a profile. The use of de-glossing agents is not recommended, and the contractor shall take full responsibility for its use.
- 1.18 The contractor shall fill all cracks and large openings greater than a 3/8" with a concrete grout, mortar or 100% solids epoxy. Hydraulic cement is not acceptable unless top coated with 100% solids epoxy. Small cracks shall be filled with 100% solids epoxy or caulked, using a flexible urethane material suitable for painting. The application of these materials shall be applied in a manner to yield a smooth flat surface that blends into the surrounding area, and not stand out with the application of the coatings.
- 1.19 Bear or exposed concrete shall be primed as specified in the coatings schedule.
- 1.20 The application of the intermediate and or finish coats will be specified in the coatings schedule.

WP-1.20

NON-CONCRETE PREPARATION: WALLS AND CEILING

These areas primarily consist of drywall or wood sub straight. These surfaces shall be cleaned by hand, in a manner as not to cause harm to the sub straight, or any attached items.

- 1.21 All equipment in the work area shall be Locked-Out and Tagged-Out prior to work commencing, pursuant to Lockout-Tagout Policy 18:00.
- 1.22 Scrap by hand to loosen and remove any loose coatings and debris. Paint chips and debris are to be collected and disposed of in accordance with the best practices for the type of coating being removed.
- 1.23 Wash by hand with a mild TSP solution to remove all dirt, oils and grease present. Electrical boxes, outlet receptacles and power sources are to be protected.
- 1.24 If mold and mildew is present, the application of a bleach solution (one-part bleach to two parts water) shall be applied.

Any areas that contain mold shall be brought to the attention of the owner. The cause of the mold needs to be determined.

- 1.25 The owner and contractor shall determine which areas shall be removed and replaced based on mold or any other existing damages.
- 1.26 The owner will be allowed enough time to replace defect or damaged wall board without incurring back charges or delays. Replacement maybe carried out by Public Works personnel, or as an extra. Any delays caused by the owner shall be added to the back end of the completion date.
- 1.27 By hand all surfaces shall be rinsed clean with tap water on a rag or sponge to remove the remaining cleaning agents.
- 1.28 All runs and sags in the previous coating(s) are to be sanded down to yield a flat uniform surface.
- 1.29 If the existing coating needs to be de-glossed, these areas shall be sanded with 100- grit sandpaper to in part a profile. The use of de-glossing agents is not recommended, and the contractor shall take full responsibility for its use, unless directed by the coating manufacture or product representative / coating specialist.
- 1.30 The contractor shall fill all small holes with dry wall compound or suitable caulking compound.
- 1.31 Cracks and large openings shall be tapped. The contractor shall utilize the appropriate tape (fiberglass or perforated tape) for the area(s) to minimize future failures.
- 1.32 Multiple applications of dry wall compound shall be use and sanded between applications. The application of these materials shall be applied in a manner to yield a smooth flat surface that blends into the surrounding area, and not stand out with the application of the coatings.
- 1.33 All drywall compounds and caulking materials must be suitable for painting, unless otherwise specified.
- 1.34 An acceptably prepared surface should be free of contaminants, dust, loosely adhering (dry wall, dry tape and drywall compound), and shall be dry, sound and uniform, suitable for the application of industrial coatings.
- 1.35 Newly installed drywall and patched drywall will be primed as specified in the coatings schedule.
- 1.36 The application of the intermediate and or finish coats will be specified in the coatings schedule.

SP-2.00

STEEL PREPARATION

The contractor shall notify the owner of any structural or moisture problems that are encountered during the preparation. The owner reserves the right to repair said areas in a timely fashion without incurring back charges do to work interruptions while the repairs take place.

Product selection will be based on the exposure to the elements and surrounding environmental conditions. Products are generally specified within each specification and are subject to change during a pre-bid walk through.

The contractor shall not apply coatings to the Name Plates on any machinery, (i.e. pumps & motors). This information shall be protected and preserved throughout the project.

The contractor shall not apply coatings to stainless steel nuts and bolts, or any newly installed nut and bolts, unless directed to so in writing.

Spot priming is not acceptable, unless it is specifically specified in the coatings schedule. The contractor should be prepared to apply one full coat to cover of the specified primer to all surfaces.

All steel or metal surfaces shall be prepared as follows:

Pipes & Metal surfaces	SP-2.1
Motors & Pumps	SP-2.5
Sand Blasting	SB-4.0
Sponge-Blasting	SB-5.0

SP-2.10

PIPES AND METAL SURFACES

- 2.11 The contractor shall determine the best means to clean and prepare the pipes in accordance with the manufacture recommendation. This procedure is applicable to non-submerged surfaces where sandblasting, water-jetting or pressure washing is not warranted or viable.
- 2.12 All surfaces must be free of dirt, loose paint, oil and grease. Greasy / oily areas shall be solvent cleaned to obtain a clean surface.
- 2.13 Areas that contain mold and mildew shall be washed with a bleach solution and rinsed cleaned with water.
- 2.14 Rust, loose coating(s), runs and sags shall be removed by power tool cleaning, (SSPC-SP 11) using a grinder with a suitable media that will not damaging the substrate. Grinding shall extend outwards to the point where the existing coating is sound and tightly adhered.
- 2.15 Areas where the previous coating(s) was removed, the old coating shall be feathered back to yield a flat and ridge free surface.
- 2.16 All surfaces shall then be sanded with 80 and 100 grit paper to de-gloss and impart a suitable profile to accept the primer.
- 2.17 The contractor shall work in a manner that allows the areas that have been prepared, to be primed on the same day.
- 2.18 All surfaces shall receive one full coat of primer, unless noted otherwise.
- 2.19 Exception: Valve stems on any gate valve shall not be coated. The contractor will be held responsible for damages incurred along with the removal of the applied coating(s) to the valve stem.
- 2.20 Flash rust shall be removed by hand tool and solvent cleaning.
- 2.21 All surfaces shall receive one or more finish coat(s) as specified in the coatings schedule.

SP-2.50

MOTORS AND PUMPS

- 2.51 On a daily basis the contractor shall work with operations personnel to determine which controls shall be locked out and tagged out. The contractor shall not work on or around any motors, pumps, electrical controls, or any other energized equipment. Until said equipment has been locked-out and tagged-out in accordance with the Lake County Public Works Lockout-Tagout policy18:00.
- 2.52 The immediate supervisor or chief operator shall lockout and tag-out the motor and pump controls on a daily basis. The contractor shall also abide by this policy when working on or around all motors and pumps. All locks placed by the contractor shall be removed prior to the end of each workday.
- 2.53 Areas that are coated with a heavy layer of dust and dirt may initially be cleaned with a damp rag that contains a suitable detergent. Care must be taken to ensure that water does not enter the electrical windings of any motor, or short out any electrical controls. These areas will then be wiped clean with a damp cloth to remove any residue left by the detergent.
- 2.54 All surfaces shall be solvent cleaned to obtain a clean surface free of dirt, oil and grease (SSPC-SP 1).

- 2.56 Rust, loose coating(s) and mill scale shall be removed by power tool cleaning (SSPC-SP 11), using a grinder with a suitable media that will not damaging the substrate. Grinding shall extend outwards to the point where the existing coating is sound and tightly adhered.
- 2.57 Areas where the previous coating(s) was removed, the old coating shall be feathered back to yield a flat and ridge free surface.
- 2.58 Runs and sags within the existing coatings shall be removed through hand SSPC-SP 2 or power tool SSPC-SP3 cleaning.
- 2.59 All surfaces shall then be sanded with 80 and 100 grit paper to de-gloss and impart a suitable profile to accept the primer.
- 2.60 The contractor shall work in a manner that allows the areas that have been prepared, to be primed on the same day, receiving one coat to cover.
- 2.61 Flash rust shall be removed by hand tool and solvent cleaning prior to the application of the primer as specified in the coatings schedule.

SB-4.0

SAND BLASTING

Here in where the specifications indicate surface preparation by sandblasting, the contractor shall abide by the following:

- 4.01 Sandblasting shall be accomplished will a non-silica product.
- 4.02 The contractor will supply all blast media needed for each project.
- 4.03 The contractor shall handle and dispose of all spent media and related debris generated during the project, in accordance with all local and state environmental rules and regulations pertaining to the sandblasting operation.
- 4.04 The contractor shall provide the necessary containment on a project-by-project basis that meets or exceeds all local and state environmental rules and OSHA regulations. Said containment shall contain spent blast media, debris ensuring that no damage or harm will be incurred to the areas surrounding and be suitable in meeting air quality standards.
- 4.05 The contractor shall take the necessary means to protect electrical controls, pumps, motors and manufacture labels or tags from damage.
- 4.06 Before blast cleaning, visible deposits of oil or grease shall be removed by any of the methods specified in SSPC-SP1 or other agreed upon methods.
- 4.07 The preparation level or blast profile that the contractor shall obtain will be in accordance with SSPC (Steel Structures Painting Council) and NACE International (originally known as "The National Association of Corrosion Engineers"). Some of the common standards are listed below in section 4.08 Blast Profiles. The contractor should consult with SSPC and NACE to insure there are no changes or modifications to these standards.
- 4.08 Blast Profiles

SSPC-10 / NACE 2 Near White Blast:

Complete removal of rust, rust scale, mill scale, paint, or foreign matter, no visible dirt, dust, oil, grease shall reside. No paint or rust residue may reside in the bottom of pits. Very slight surface streaks and discoloration is allowable. At least 96% of all foreign matter per square inch must be removed.

SSPC-6 / NACE 3 Commercial Blast:

Complete removal of rust, rust scale, mill scale, paint, or foreign matter, no visible dirt, dust, oil, grease shall reside. A slight amount of paint or rust residue may reside in the bottom of pits. Surface streaks and discoloration is allowable. At least 30% or 1/3 of all foreign matter per square inch must be removed.

SSPC-SP7 / NACE 4- Brush-Off Blast:

A Brush-Off Blast Cleaned surface, when viewed without magnification, shall be free of all visible oil, grease, dirt, dust, loose mill scale, loose rust, and loose paint. Tightly adherent mill scale, rust, and paint may remain on the surface. Mill scale, rust, and coating are considered adherent if they cannot be removed by lifting with a dull putty knife.

- 4.10 The contractor shall work in a manner that allows the areas that have been prepared, to be primed on the same day.
- 4.11 The placement of the blast pot and surround area shall be protected from damage when the pot is de-pressurized, (adding additional blast media, etc.) Failure to do so will result in the contractor to repair and or replace the damage(s) incurred at their expense.
- 4.12 The contractor shall clean up spent debris, blast media, dirt and dust that has escaped the containment field during the blasting operation. That meets or exceeds the surrounding environment prior to the blasting operation.

SB-5.0**SPONGE-BLASTING**

Sponge blasting or Sponge Jetting shall be utilized where required by the owner as an alternative to sand blasting SB-4.0. The contractor will supply all sponge media and handle the disposal of all spent media and related debris accumulate for the project. The level, to which the contractor shall blast to, shall be in accordance with SSPC (Steel Structures Painting Council) and NACE International (originally known as "The National Association of Corrosion Engineers"). As listed is section 4.08 Blast Profiles.

Before blast cleaning, visible deposits of oil or grease shall be removed by any of the methods specified in SSPC-SP1 or other agreed upon methods.

All other conditions specified in SP-2.10 are to be adhered too.

PW-6.00**POWER WASHING**

Each job that requires pressure washing shall abide by the following rules and guidelines.

- 6.01 The owner will provide a source of water. The source of water maybe potable or non-potable therefore, the contractor shall treat the water being provided for power washing as non-potable.
- 6.02 Electrical panels and pump controls, thermostats, light ballasts, outlets and switches are to be protected. The contractor shall cover all electrical sources with a waterproof membrane or plastic. The contractor shall apply this material in a manner to ensure that moisture will not penetrate the barrier and short out or damage the equipment. The contractor shall be held liable for the failure to adequately protect electrical controls.
- 6.03 Motor and pump controls shall be locked-out and tagged-out in accordance with the Lake County Public Works Lockout - Tagout policy. The immediate supervisor or chief operator shall lockout and tagout the motor and pump controls. The contractor shall also abide by this policy when working around motors and pumps. All locks placed by the contractor shall be removed prior to the end of each workday.
- 6.04 Aggressively remove all loose coatings by power washing with an osculating paint removing tip, or power head. The pressure washer's size will vary based on the job, and the level of cleaning desired. The contractor shall provide a power washer capable of providing and sustaining a minimum 2000-PSI and not to exceed 5000-PSI. The contractor shall provide a unit that will do the job in a timely fashion without causing harm or damage to the substrate or surrounding environment.
- 6.05 The introduction of a detergent or mild Tri-Sodium phosphate solution may be incorporated into the wash water to aide in the removal of dirt, oils and grease.
- 6.06 A clean water rinse will be required if a detergent or TSP was used.

- 6.07 The contractor shall provide hoses, cleaning solutions, plastic wrap and tape, fuel and oil for combustible engines.
- 6.08 Some units allow the introduction of an abrasive media and is, therefore considered Water-blasting. The owner and contractor shall discuss this technique to determine:
 - a. Viability.
 - b. Level of surface preparation conforming to a SSPC/ NACE standard.
 - c. The contractor shall collect and dispose of all spent media and debris generated.
 - d. Insure that spent blast media, debris and water will not harm or damage equipment.
- 6.09 On steel or metal surfaces, the contractor shall work in a manner that allows the areas that have been prepared, to be primed on the same day. Flash rust will be removed by hand tool and solvent cleaning prior to the application of primers or coatings specified in the coatings schedule.
- 6.10 All concrete surfaces shall be allowed to dry thoroughly for a minimum of three (3) days, prior to the application of any coatings. The coatings specified herein require the substrate to be thoroughly dry to 12% moisture content, unless otherwise noted on the manufactures label or application guidelines.

FP-7.00

Floor Preparation

The contractor shall provide the means to dispose of all spent material and debris generated in preparing the floor(s), new, old or otherwise. Electrical controls and sensitive equipment shall be protected from dust and debris generated herein.

For all floors being coated, the contractor shall install a **KEY** at all door openings, (floor drains and grates maybe optional). A key is a groove cut into the floor the extents into the floor forming a moisture barrier. Each key shall be installed ½ to ¾ of inch from each opening, with a minimum depth ¼ of an inch. The width of the key shall be determined on case-by-case bases, taking into account the surrounding conditions, and coating(s) being applied.

The owner recognizes that floor preparation with a blast track or similar shot-blasting unit is the optimum or preferred method of preparation. The contractor shall inform the owner to the use of this equipment and will prepare the surface per FP-7.10. Some blast-trac equipment may require higher voltages, not all sites will have suitable power available.

These specifications are indented for use where blast tracking cannot be accomplished do to logistical or economical concerns.

Floor preparation is covered in the following sections:

New or Unpainted Floor	FP-7.10
Complete Removal of Existing Coating	FP-7.30
Previously Coated Floor	FP-7.50
High Tech Broadcast Floor	FP-7.70
Floor Patching	FP-7.90

Floor coatings require attention to the preparation of the substrate. The contractor must abide by the manufacture of the coating(s) in preparing the surface unless otherwise noted.

The contractor shall prepare and apply the coatings in the order specified. In the event that a primer has been applied and then patching is to occur. The contractor will grind and or sand the patched areas to obtain a smooth uniform surface. If grinding or sanding exposes open concrete, the contractor shall acquire the additional materials (coatings) and prepare and re-prime the floor at their expense.

Open concrete: is defined as having the texture of 120 grit sandpaper, no remaining coatings or sealers shall be present. Visually the concrete surface will appear white in color with sand and quartz particles exposed. Liquid solvents, (water, alcohol, MEK) will readily penetrate the surface without puddling or ponding. The surface will readily accept the primer or sealer, allowing it to penetrate and bond with the concrete.

FP-7.10**NEW OR UNPAINTED FLOOR**

This applies to new concrete floors, or bare concrete. The contractor shall treat these floors as through a concrete sealer has been applied.

- 7.11 New and bare concrete must be fully cured and have a moisture content of 12% or less.
- 7.12 Install keys per FP-7.00
- 7.13 Swept and or vacuum the floor to remove dirt, dust and debris.
- 7.14 Solvent clean areas where soiled by oil or grease.
- 7.15 The floor shall be diamond ground or shot blasted to the point where open concrete has been reached. Shot blasted surfaces are not to exceed ICRI (International Concrete Repair Institute) CSP #3, Light Shot Blast.
- 7.16 Floor patching shall be accomplished per FP-7.90.

FP-7.30**COMPLETE REMOVAL OF EXISTING COATING**

This applies to concrete floors, where an existing coating is in place and that coating shall be fully removed.

- 7.31 Swept and or vacuum the floor to remove dirt, dust and debris.
- 7.32 Wash the floor with a Tri-sodium Phosphate solution to remove any dirt and remaining grease. Allow floor to dry thoroughly, 24 - 48 hours
- 7.33 Solvent clean areas where soiled by oil or grease.
- 7.34 The floor shall be diamond ground or shot-blasted to the point where open concrete has been reached. Shot blasted surfaces are not to exceed ICRI (International Concrete Repair Institute) CSP #3, Light Shot Blast.
- 7.35 Install keys per FP-7.00 as required.
- 7.36 Floor patching shall be accomplished per FP-7.90

FP-7.50**PREVIOUSLY COATED FLOOR**

This applies to concrete floors, where an existing coating is in place.

- 7.51 Swept and or vacuum the floor to remove dirt, dust and debris.
- 7.52 Wash the floor with a Tri-sodium Phosphate solution to remove any dirt and remaining grease. Allow floor to dry thoroughly, 24 - 48 hours
- 7.53 Solvent clean areas where soiled by oil or grease.
- 7.54 Impart a suitable profile, by sanding all areas with 40 and 80-grit sandpaper. The contractor may opt to shot blast this surface to ICRI (International Concrete Repair Institute) CSP #3, Light Shot Blast. Note: If the existing coating is not compatible with the coating to be applied, then the coating must be fully removed per FP-7.10.
- 7.55 Install keys per FP-7.00

- 7.56 Floor patching shall be accomplished per FP-7.90
- 7.57 Areas where the existing coating has failed shall be diamond ground to expose bare open concrete. Grinding shall extend outwards to the point where the existing coating is sound and tightly adhered. At which point, the old coating shall be feathered back to yield a flat and ridge free surface.
- 7.58 Open concrete shall be spot primed with an epoxy sealer. The prime coat shall be feathered back into the surrounding surface. Once the primer has cured, additional sanding maybe required to remove the ridges left between the coatings.

FP-7.70

HIGH TECH BROADCAST FLOOR

This specification does not deal with specialty Broadcast and Trowel Down floors. The County recognizes this type of floor requires an applicator that specializes in high tech floors. The contractor who installs the floor shall provide a minimum two-year warranty on workmanship and labor. The installation of keys per FP-7.00 shall be required.

Surface Preparation:

All concrete surfaces must be:

- 7.71 Sound, clean, dry, cured. The Contractor shall employ a radio frequency moisture meter to determine that residual un-combined moisture content of concrete slab is less than five (5) percent by weight. Do not apply high performance floor coatings to floor slabs that exceed five (5) percent moisture content.
- 7.72 Concrete surfaces shall have a tensile strength of not less than 250-300 PSI.
- 7.73 Have a pH range of 7–9.
- 7.74 Free of surface hardeners, form release agents, curing compounds, laitance, efflorescence, chloride contamination, hydrostatic water pressure or excessive capillary water action, and/or water vapor emission.
- 7.75 Cleaned first with a strong detergent to remove oils, grease, and dirt before proceeding with sandblasting, shot-blasting, or mechanical scarification. Where visual inspection of shot-blasted surface indicates that oil-based penetration of the surface has occurred, the stained areas shall be treated with a 15% by volume solution of aqueous tri-sodium phosphate (TSP) or other proprietary de-greasing agent. Rinse and dry all floor surfaces scheduled to receive high performance floor system finish prior to commencement of prime coat application
- 7.76 Profile: Shot-blast all concrete floor surfaces scheduled to receive high performance floor coatings to a classification of ICRI CSP #5 (medium shot-blast), to impart a suitable profile for the application of a high-performance floor system as recommended by the coatings manufacture.
- 7.78 Remove and legally dispose of all debris and contaminants produced by the shot-blasting process. Steel media resulting from the shot-blasted floor slab surface shall be removed from cracks, slab edges, construction joints, and corners by magnets, magnetic broom, air blast, vacuum, or stiff bristle broom.
- 7.79 Floor patching shall be accomplished per FP-7.90

Reference International Concrete Repair Institute, Guideline No. 03732 - Selecting and Specifying Concrete Surface Preparation for Sealers, Coatings and Polymer Overlays (including visual standards), Jan. 1997. Phone (847) 827-0830, Fax (847) 827-0832; and SSPC/NACE Publication No. 01-10 – Fundamentals of Cleaning and Coating Concrete, 2001, Phone (412) 281-2331.

FP-7.90

FLOOR PATCHING AND REPAIRS

Prior to the application of any coating or sealer, the floor shall be inspected for cracks, anchor bolt holes, holes, gouges, divots and other imperfections. Each imperfection shall be addressed in the following manner:

- 7.91 Small cracks (non-moving) that are less than ¼" shall be filled with epoxy crack filler or an epoxy that has been suitably thinned to penetrate and seal the crack.
- 7.92 For rough or deteriorated areas, larger than ¼" shall be cleaned, and (crack chasing) widened and V-out removing trapped debris. Epoxy resurfacer or suitable grouting material may be needed.
- 7.93 For larger cracks and spalled areas shall be addressed case-by-case. The owner and contractor shall determine the most efficient and economical means for repair.
If the repair requires a self-leveling agent, this product shall be applied in a manner to yield a smooth level surface. The leveling agent shall be epoxy based, or of compatible material for use with a high-performance floor system.
- 7.94 All filled and patched areas shall be allowed to cure. Said areas shall be sanded or ground down to yield a flat level surface with the surrounding floor. Additional coats may be required to fill and level out cracks and holes.
- 7.95 Prior to the application of any coatings the floor shall be free of runs, ridges, high and low spots due to crack filling.
- 7.96 When using High Performance products for thick or thin-filmed floors the technical representative maybe contacted to best determine the appropriate means and methods in floor patching.