



**Building a Better Illinois**

## **PROJECT MANUAL**

**CDB # 040-010-107 – PHASE TWO**

**RENOVATE SOMERVILLE & ANDERSON BUILDINGS – PHASE TWO  
ILLINOIS VETERANS' HOME  
1707 NORTH 12<sup>th</sup> STREET  
QUINCY, ADAMS COUNTY, ILLINOIS  
BUILDING NOS: SOMERVILLE (W0610)  
ANDERSON (W0612)**

**CONTRACT: GENERAL**

**State of Illinois**

## **CAPITAL DEVELOPMENT BOARD**

**USING AGENCY: ILLINOIS DEPARTMENT OF VETERANS' AFFAIRS**

**BY: ARCHITECHNICS, INC.**

**510 MAINE STREET, QUINCY, ILLINOIS 62301 (217) 222-0554**

## **ISSUED FOR BID**



**DATE: April 10, 2019**

License Expiration Date: 11/30/20

Signature: \_\_\_\_\_

Date Signed: 4/10/2019

ARCHITECHNICS, INC. PROJECT NO: 5718

State of Illinois  
CAPITAL DEVELOPMENT BOARD

ARCHITECHNICS, INC.  
510 MAINE ST., FLR. 10  
QUINCY, IL 62301  
217-222-0554

PROJECT MANUAL FOR

CDB# 040-010-107  
RENOVATE SOMERVILLE & ANDERSON BUILDINGS – **PHASE TWO**  
ILLINOIS VETERANS' HOME  
1707 NORTH 12<sup>th</sup> STREET  
QUINCY, ADAMS COUNTY, ILLINOIS

DATE: APRIL 10, 2019

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SPECIFIER:           General: Anthony E. Crane, AIA, [archeng@architechnicsinc.com](mailto:archeng@architechnicsinc.com)  
Phone: 217-222-0054  
Fax: 217-223-3361

END 00 01 10

CDB - 00 01 10 - March, 2017

CDB 040-010-107 - Phase Two

00 01 10- 2

BIDDING & CONTRACT REQUIREMENTS  
**00 01 15 - Drawings, Schedules, and Details**

DRAWING INDEX

SHEET NUMBER AND TITLE

G1	Title Sheet / Location Plans
C1	Overall Site Plan
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C3	Somerville Site Plan
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C4	Site Details
C5	Site Details
C6	Partial Building Elevations
C7	Site Details

Drawings Dated: April 10, 2019

END 00 01 15

BIDDING & CONTRACT REQUIREMENTS  
**00 11 13 – Advertisement for Bids**

The State of Illinois, Capital Development Board (CDB) will receive sealed bids for:

CDB PROJECT #: 040-010-107  
TITLE: RENOVATE SOMERVILLE & ANDERSON BUILDINGS – **PHASE TWO**  
LOCATION: ILLINOIS VETERANS HOME  
1707 NORTH 12<sup>th</sup> STREET  
QUINCY, ADAMS COUNTY, ILLINOIS

PROJECT DESCRIPTION: Repair of sidewalks, railings, portico and terrace areas at the Somerville Building, exterior accessibility improvements to meet IAC/ADA compliance at both Somerville and Anderson Buildings, as well as exterior painting and other necessary repairs to the architectural features to prevent further degradation of the buildings are included in the project.

<u>TRADE</u>	<u>COST RANGE</u>	<u>BID DATE/TIME</u>
GENERAL	under \$ <u>400,000.00</u>	<u>Thursday, May 2, 2019 at 2:00 PM</u>

BID LOCATION:

ILLINOIS CAPITAL DEVELOPMENT BOARD  
401 SOUTH SPRING STREET  
THIRD FLOOR, WILLIAM G. STRATTON BUILDING  
SPRINGFIELD, IL 62706  
FAX: (217) 782-4938 (for Bid modifications)

Minority, Female & Veteran Business Subcontractor/Supplier Participation is Applicable.

Obtain Plans From:

ARCHITECHNICS, INC.  
510 MAINE STREET, FLOOR 10  
QUINCY, IL 62301  
PHONE: 217-222-0554  
FAX: 217-223-3361

Refundable Plan Deposit:(\$100 PER SET) Deposits will be refunded in full only those who submit a bona fide bid and / or to any plan holder who returns the bidding documents in good condition to the Architect's office within a ten (10) day period following the bid opening date. If the conditions are not met, the plan deposit shall be forfeited.

Pre-Bid Meeting: (Non-Mandatory) A Pre-Bid meeting will be held at the Project Site, on Tuesday, April 23, 2019 at 10:00 AM. meet at the "Engineer's Office" Building on the campus of the Illinois Veterans Home, Quincy, Adams County, Illinois (reference sheet G1 "Site Map" for location).

## INFORMATION TO BIDDERS:

- A. Prequalification. Bidders must be prequalified with CDB; allow 45 days for application processing. For an application and a copy of CDB's Standard Documents for Construction (applicable to this project), visit CDB's Website [www.illinois.gov/cdb](http://www.illinois.gov/cdb) or phone 217/782-6152 (TDD 217/524-4449).
- B. MBE/FBE/VBE. MBE/FBE/VBE firms must be certified or registered with CMS as an MBE, FBE, or VBE prior to bidding.
- C. Prevailing Wage. Contractor shall not pay less than the prevailing rates of wages to all laborers, workmen, and mechanics performing work under this contract, and shall comply with the requirements of the Illinois Wages of Employees on Public Works Act(820 ILCS 130/1-12).
- D. Registration with the Illinois Procurement Gateway (IPG). Vendors may pre-register with the IPG and receive a vendor registration number. The IPG is a web based system that serves as the primary location for entering, organizing, and reviewing vendor information. The IPG allows prospective vendors to provide disclosures, registrations, and other documentation needed to do business with the State in advance of any particular procurement. Registration in the Illinois Procurement Gateway is optional.
- E. Certifications and Disclosures. Vendors must have an approved Illinois Procurement Gateway registration number and completed Form B, or submit the Standard Certifications and Disclosure Form(s) (Form A) with bid at time of submittal. Failure to provide a completed Form A standard certifications and financial disclosure or Form B, will result in rejection of bid.
- F. Subcontractors. You are also required to submit disclosure forms and standard certifications for subcontractors not considered incidental to the performance of the contract with an annual value over \$50,000 within 20 days of execution of your contract with CDB or execution of the contract between you and your subcontractor, whichever is later. A valid IPG registration number can be provided in lieu of hard copies of the standard certifications and financial disclosure forms. (See D. above.) Subcontractors must receive an Authorization to Proceed prior to performance of any work.
- G. Supplement to SDC. Bidders are advised to review Article 01 11 01, Supplement to SDC, for any revisions to the Standard Documents for Construction.
- H. Progress Payments. Progress payments will normally be issued by the Illinois Comptroller within 30 business days after CDB receives and approves an Invoice-Voucher.
- I. Bid Protest. Bidder may submit a written protest to the Protest Review Office following the requirements of the Administrative Rules, 44 Ill. Adm. Code 8.2075. For protests related to specifications, the Protest Review Office must physically receive the protest no later than fourteen (14) days after solicitation or related addendum was posted to the Bulletin. For protest related to rejection of individual bids or awards, the protest must be received by close of business no later than fourteen (14) days after the protesting party knows or should have known of the facts giving rise to the protest. To reach the Protest Review Office:

Chief Procurement Office  
Attn: Protest Review Office  
401 South Spring Street  
Suite 515 Stratton Office Building  
Springfield, IL 62706

Phone: (217) 558-1393  
Facsimile: (217) 558-1399  
Illinois Relay: (800) 526-0844

### CAPITAL DEVELOPMENT BOARD

Amy Romano  
Acting Executive Director

*Brad Nell*  
Project Manager  
217-782-8718 phone  
[brad.nell@illinois.gov](mailto:brad.nell@illinois.gov)

**BIDDING & CONTRACT REQUIREMENTS**  
**Document 00 41 00 – Bid Form**

**NAME OF FIRM:** \_\_\_\_\_

**CDB FIRM ID NO.** \_\_\_\_\_

**FOR (General) WORK**

**BID FOR:** CDB PROJECT NUMBER: 040-010-107 - Phase Two

**PROJECT TITLE:** RENOVATE SOMMERVILLE & ANDERSON BUILDINGS – **PHASE TWO**  
ILLINOIS VETERANS HOME - 1707 NORTH 12<sup>th</sup> STREET  
QUINCY, ADAMS COUNTY, ILLINOIS

**BID TO:** State of Illinois, Capital Development Board

THE BIDDER ACKNOWLEDGES THE FOLLOWING ADDENDA: (Failure to acknowledge may cause bid rejection.)

NO.\_\_\_\_, DATED \_\_\_\_\_ NO.\_\_\_\_, DATED \_\_\_\_\_ NO.\_\_\_\_, DATED \_\_\_\_\_

NO.\_\_\_\_, DATED \_\_\_\_\_ NO.\_\_\_\_, DATED \_\_\_\_\_ NO.\_\_\_\_, DATED \_\_\_\_\_

EACH BID SHALL INCLUDE:

- A. BID FORM (00 41 00)
- B. SUBCONTRACTOR/SUPPLIER REQUIREMENTS (00 41 01)
- C. DHR PC-2 FORM (00 41 04)
- D. MBE/FBE/VBE FORM (00 41 05)
- E. BID SECURITY (00 41 06)
- F. PRODUCT SUBSTITUTION FORM (at Bidder's option) (00 41 07)
- G. Standard Business Terms and Conditions (00 41 08)
- H. Forms A CERTIFICATIONS AND DISCLOSURES **or** Forms B (00 41 09)

**BASE BID:** THE BIDDER AGREES TO PERFORM ALL WORK FOR THE ABOVE  
TRADE, EXCLUSIVE OF ALTERNATE BIDS, FOR THE SUM OF:

\_\_\_\_\_ DOLLARS (\$\_\_\_\_\_)

**ALTERNATE BID G-1:** Add to the Base Bid the Sum of:

\_\_\_\_\_ DOLLARS (\$\_\_\_\_\_)

**ALTERNATE BID G-2:** Add to the Base Bid the Sum of:

\_\_\_\_\_ DOLLARS (\$\_\_\_\_\_)

**RETURN WITH BID**

Note: Any qualifying or conditional statements included on the bid form or attached to the bid form may result in rejection of the bid unless rescinded by the bidder.

- ☐ The bidder requests preference pursuant to the Procurement of Domestic Products Act (PA 93-0954). We certify that all offered goods were/will be manufactured in the United States. We understand that, if awarded a contract based on a preference for US manufactured goods, this certification will become part of the contract, and, if we knowingly supply non-US manufactured goods, we will be subject to penalties that include debarment for 5 years, voiding of the contract, and civil damages.

PRODUCT SUBSTITUTION FORM ATTACHED: ☐

**Duration of Bids:** The bidders shall hold their bids open for 60 calendar days after the bid opening.

**By signing below, the Bidder agrees to perform all work in accordance with the terms and conditions of the bidding documents and enter into and execute a contract with CDB, if awarded, on the basis of this bid for the sum indicated herein:**

BIDDER (show Company name and DBA): \_\_\_\_\_

Signature of authorized representative: \_\_\_\_\_

Printed Name: \_\_\_\_\_ FEIN #: \_\_\_\_\_

Title: \_\_\_\_\_ Date \_\_\_\_\_

Address: \_\_\_\_\_

Telephone: \_\_\_\_\_ Fax: \_\_\_\_\_ Email: \_\_\_\_\_

For Corporations only: Attest By: \_\_\_\_\_ (Corporate Secretary)



### RETURN WITH BID

**Subcontractor Requirements**

Pursuant to requirements of 30 ILCS 500/20-120(a), the contract shall state whether the services of a subcontractor will be used. The contract shall include names and addresses of all known subcontractors with subcontracts with an annual value of more than \$50,000, the general type of work to be performed, and the expected amount of money each will receive under the contract. Financial and Conflict of Interest disclosures and standard certifications of each subcontractor not considered incidental to the performance of a contract with an annual value over \$50,000 must be submitted to CDB by the contractor prior to the subcontractor performance of work.

**List known subcontractors not considered incidental to the performance of a contract with an annual value over \$50,000.**

CDB						
Name of Subcontractor		Address	Registration Number	Total Expected Value	Description / Scope of Work	
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
(Use additional sheets if necessary.)						

**BIDDER'S EMPLOYEE UTILIZATION FORM**

All bidders shall complete the DHR Form PC-2 per 00 43 38.1 of the Standard Documents For Construction (SDC) and as identified by trade category. Failure to complete may result in rejection of the bid per 00 43 38.1 of the SDC.

Workforce projections are for work performed on the project being bid. Workforce projections shall include any subcontractor(s) workforce. The bidder, if awarded a contract, shall be responsible for ensuring the subcontractor(s) meet minority/female/veteran workforce goals.

CDB's acceptance of the Bidder's PC-2 projection is a condition of contract award. CDB will notify the bidder if the projection is unacceptable. The bidder shall be given the opportunity to negotiate an acceptable projection with the CDB. Failure to reach an acceptable workforce projection may result in rejection of the contract award.

**GOALS**

The following workforce hiring goals are in effect for each trade. These goals represent a minimum of **total** workforce hours.

Minority / Female Utilization

Percent

Sheetmetal	25%
Equipment operators	20%
Elevator Mechanics	12%
Ironworkers/Boilermakers	20%
Carpenters	25%
Acoustical Tilers	20%
Ceramic Tile Setters	20%
Brick Masons/Tuckpointers	15%
Cement Masons	20%
Lathers (Metal/Wood)	20%
Tapers	20%
Plasters	12%
Painters	20%
Glaziers	15%
Roofers	25%
Metal Deck Roofers	15%
Pipefitters	25%
Plumbers	25%
Insulators	20%
Temperature Control	15%
Laborers	33%
Electricians	25%
Fencing, Guard Rails	15%
Landscaping	20%
Truck Drivers	20%
Air Test & Balancing	0%
Sandblast/Waterproofing/Caulkers	15%
Asbestos Workers	30%
Terrazzo	12%
Carpet	15%

**INSTRUCTIONS**

for

Project: **040-010-107** Phase: **2**

Trade: **General**

Under "Total Employees", project the total number of employees to be used in the performance of the contract work by your firm and your subcontractors. Include within the projections, separate numbers for Journeyman and Apprentices by the letters "J" and "A". (See next page)

\_\_\_\_\_  
Contact Person

\_\_\_\_\_  
Firm Name

\_\_\_\_\_  
Address

\_\_\_\_\_  
Address

\_\_\_\_\_  
Telephone Number

\_\_\_\_\_  
Fax Number

\_\_\_\_\_  
Email Address

DHR # \_\_\_\_\_

DHR Expiration Date: \_\_\_\_\_

CDB Project Number

040-010-107 - Phase 2

CDB Contract No.

Contractor I.D.

FOR CDB OFFICE USE ONLY

Contract/Trade Bid

FEP Tech

Monitored/Non-Monitored

General

Kim Barker

Monitored

TRADE CATEGORIES	Trade Codes	African American		Hispanic		Native American		Asian		Caucasian		Veteran	
		Male		Female		Male		Female		Male		Female	
		J	A	J	A	J	A	J	A	J	A	J	A
Sheet Metal	3												
Equipment Operators	4												
Elevator Mechanics	5												
Ironworker/BoilerMakers	6												
Carpenters	7												
Acoustical Tilers	8												
Ceramic Tilesetters	9												
Brick Mason/Tuckpointers	10												
Cement Masons	11												
Lather - Metal/Wood	12												
Tapers	13												
Plasterers	14												
Painters	15												
Glaziers	16												
R s	17												
Metal Deck Roofers	18												
Pipefitter/Sprinkler Fitters	19												
Plumbers	20												
Insulators	21												
Temperature Control	22												
Laborers	23												
Electricians	24												
Fencing/Guard Rails	25												
Landscaping	26												
Well Drilling	27												
Truck Drivers	28												
Air Test & Balancing	29												
SndBlst/Wtrprfng.Caulkers	30												
Asbestos Workers	31												
Terrazzo	32												
Carpet	33												
TOTALS													

**NOTE:** Bidder's failure to complete DHR Form PC-2 may result in rejection of the bid. Bidder shall set forth a total projection of the total workforce to be allocated for this contract. Approval of the workforce hiring projection is a post-award requirement.

**BIDDING & CONTRACT REQUIREMENTS**  
**Document 00 41 05 – Minority/Women/Veterans Business Enterprise Program Requirements**

**RETURN WITH BID**

**Name of Bidder:** \_\_\_\_\_

**CDB PROJECT NO.** 040-010-107 - Phase Two

**GENERAL CONTRACT REQUIREMENTS FOR MINORITY/WOMEN/VETERANS BUSINESS PARTICIPATION**

- A. This project has goals for participation by minority and women owned businesses as first and second tier (level) subcontractors or suppliers, and as the prime contractor, in accord with the Business Enterprise for Minorities, Women, and Persons with Disabilities Act (30 ILCS 575).

**GOALS:** The MBE/WBE goal for this contract is 6 Percent Combined (MBE/WBE) of the amount of the contract awarded by CDB.

- B. This project has goals for participation by veteran owned businesses as first and second tier (level) subcontractors or suppliers, and as the prime contractor, in accord with the Illinois Procurement Code (30 ILCS 500/45-57).

**GOALS:** The VBE goal for this contract is 0 Percent (VBE) of the amount of the contract awarded by CDB.

- C. The contract award is defined as a Base Bid plus an or all alternates. Only MBE/WBE/VBE firms certified or registered with the Illinois Department of Central Management Services(CMS) are acceptable.

NOTE: MBE/WBE/VBE goals are in addition to those specified for workforce projections (DHR Form PC-2 Form).

**INSTRUCTIONS:** When Goals are established, the Bidder shall include below the names of certified minority/women/veteran owned business enterprises which will perform at least the percentage of the work specified in the Goals statement (see above) and the proposed dollar value of subcontract (percentage values are not acceptable). If the Bidder is a MBE/WBE/VBE, then list the work to be done with own forces on the form. If the Bidder needs assistance in identifying subcontractors or suppliers, contact CDB's Fair Employment Practices Unit(FEP) Unit and assistance will be provided in accordance with the MBE/WBE/VBE requirements in the Standard Documents for Construction. Efforts to comply with these requirements will be considered in evaluating whether the bid is responsive.

- ❖ A completed 4105 Form should be provided with the vendor's bid. Submission of a blank 4105 form (defined as no participation listed) with a bid that includes Minorities, Women or Veterans Business Enterprise goals requires submission of Good Faith Effort (GFE) documentation (without notice) within 4 (four) calendar days of the bid date and checking the associated box on the 4105 form. In this case a 10 day cure period is not applicable. Good Faith Effort documentation should identify efforts made prior to bid due date. Failure to provide any of the required documentation may result in the vendor's bid being deemed non-responsive. Submit documentation to CDB.FEP@illinois.gov.
- ❖ If the percentage of the work (Base Bid plus all Alternates) is less than the specified goals, bidder shall be notified and afforded a period not to exceed 10 (ten) calendar days from the date of notification (10 day cure period) to cure deficiencies or submit written evidence of its good faith efforts to achieve the goals.
- ❖ Firms cannot be identified after the 10 day cure period.
- ❖ Failure to identify firms, submit good faith effort, or both within the 10 day cure period will result in rejection of bid.
- ❖ Firms shall be certified or registered with CMS as an MBE/WBE/VBE prior to bid opening.
- ❖ Firms can only be used to satisfy one goal, MBE, WBE, or VBE – not multiple goals.
- ❖ See the 2009 Standard Documents for Construction and the most current Supplement: 00 43 39 .10 – Calculation of MBE/WBE/VBE Participation as a Material Supplier or Subcontractor.

**BIDDER'S MBE/WBE/VBE PARTICIPATION SHOULD BE LISTED ON THE FOLLOWING BASE BID SHEETS AND ALTERNATE SHEETS (IF APPLICABLE).**

(Attach additional sheet if necessary)

**BIDDING & CONTRACT REQUIREMENTS**  
**Document 00 41 05 – Minority/Women/Veterans Business Enterprise Program Requirements**

**RETURN WITH BID**

**CDB PROJECT NO. 040-010-107 - Phase Two**

**Name of Bidder:** \_\_\_\_\_

**BASE BID:**

	CDB Prequalification or Registration Number, Name of MBE/WBE/VBE Firm Address City State Zip	Proposed \$ Value of Subcontract	Telephone Number	MBE/WBE/VBE Designation And Certifying Agency  <input type="checkbox"/> MBE <input type="checkbox"/> WBE <input type="checkbox"/> VBE <input type="checkbox"/> Certified by CMS	Trade Performed or Supply Provided	Description / Scope of Work	CDB Use Only CMS Expiration Date
1.				<input type="checkbox"/> MBE <input type="checkbox"/> WBE <input type="checkbox"/> VBE <input type="checkbox"/> Certified by CMS			
2.				<input type="checkbox"/> MBE <input type="checkbox"/> WBE <input type="checkbox"/> VBE <input type="checkbox"/> Certified by CMS			
3.				<input type="checkbox"/> MBE <input type="checkbox"/> WBE <input type="checkbox"/> VBE <input type="checkbox"/> Certified by CMS			
4.				<input type="checkbox"/> MBE <input type="checkbox"/> WBE <input type="checkbox"/> VBE <input type="checkbox"/> Certified by CMS			
5.				<input type="checkbox"/> MBE <input type="checkbox"/> WBE <input type="checkbox"/> VBE <input type="checkbox"/> Certified by CMS			
6.				<input type="checkbox"/> MBE <input type="checkbox"/> WBE <input type="checkbox"/> VBE <input type="checkbox"/> Certified by CMS			
7.				<input type="checkbox"/> MBE <input type="checkbox"/> WBE <input type="checkbox"/> VBE <input type="checkbox"/> Certified by CMS			
8.				<input type="checkbox"/> MBE <input type="checkbox"/> WBE <input type="checkbox"/> VBE <input type="checkbox"/> Certified by CMS			

**RETURN WITH BID**

**ALTERNATE BID No. G-1**

CDB Prequalification or Registration Number, Name of MBE/WBE/VBE Firm Address City State Zip	Proposed \$ Value of Subcontract	Telephone Number	MBE/WBE/VBE Designation And Certifying Agency <input type="checkbox"/> MBE <input type="checkbox"/> WBE <input type="checkbox"/> VBE <input type="checkbox"/> Certified by CMS	Trade Performed or Supply Provided	Description / Scope of Work	CDB Use Only CMS Expiration Date
1.			<input type="checkbox"/> MBE <input type="checkbox"/> WBE <input type="checkbox"/> VBE <input type="checkbox"/> Certified by CMS			
2.			<input type="checkbox"/> MBE <input type="checkbox"/> WBE <input type="checkbox"/> VBE <input type="checkbox"/> Certified by CMS			
3.			<input type="checkbox"/> MBE <input type="checkbox"/> WBE <input type="checkbox"/> VBE <input type="checkbox"/> Certified by CMS			

**ALTERNATE BID No. G-2**

CDB Prequalification or Registration Number, Name of MBE/WBE/VBE Firm Address City State Zip	Proposed \$ Value of Subcontract	Telephone Number	MBE/WBE/VBE Designation And Certifying Agency <input type="checkbox"/> MBE <input type="checkbox"/> WBE <input type="checkbox"/> VBE <input type="checkbox"/> Certified by CMS	Trade Performed or Supply Provided	Description / Scope of Work	CDB Use Only CMS Expiration Date
1.			<input type="checkbox"/> MBE <input type="checkbox"/> WBE <input type="checkbox"/> VBE <input type="checkbox"/> Certified by CMS			
2.			<input type="checkbox"/> MBE <input type="checkbox"/> WBE <input type="checkbox"/> VBE <input type="checkbox"/> Certified by CMS			
3.			<input type="checkbox"/> MBE <input type="checkbox"/> WBE <input type="checkbox"/> VBE <input type="checkbox"/> Certified by CMS			

**BIDDING & CONTRACT REQUIREMENTS**  
**Document 00 41 05 – Minority/Women/Veterans Business Enterprise Program Requirements**

**RETURN WITH BID**

**Name of Bidder:** \_\_\_\_\_

**CDB PROJECT NO.** 040-010-107 - Phase Two

The Bidder represents to CDB that, to the best of its knowledge and belief:

1. Each of the subcontractors and suppliers listed is certified by Central Management Services under the provisions and definitions of the Minority/Women/Veterans Business Enterprise Program Acts as a minority, women or veteran owned business.
2. The subcontract(s) which will be executed by the Bidder for the first and/or second level subcontractors and suppliers if the bidder is awarded this contract by CDB will meet or exceed the specified MBE/WBE goals and will comply with all provisions of the Minority/Women Business Enterprise Program Act.
3. The subcontract(s) which will be executed by the Bidder for the first and/or second level subcontractors and suppliers if the bidder is awarded this contract by CDB will meet or exceed the specified VBE goals, and will comply with all provisions of 30 ILCS 500/45-57.

**If a blank 4105 form (defined as no participation listed) is submitted with the bid, the bidder shall check the box that it will submit good faith effort documentation (without notice) within 4 calendar days following the date of the bid opening: ☐ check if applicable**

**Bidder agrees to and certifies that it will comply with the contractual requirements specified in Article 00 43 39 of CDB's Standard Documents for Construction, and the most current Supplement, regarding the Minority/Women/Veterans Business Enterprise Program Acts.**

\_\_\_\_\_  
Signature, Title

\_\_\_\_\_  
Date

**SIGNATURE IS REQUIRED**

**RETURN WITH BID**

\_\_\_\_\_  
as Principal, and \_\_\_\_\_  
a corporation of the State of \_\_\_\_\_  
as Surety, are held and firmly bound unto the State of Illinois, acting by and through the Capital Development Board, as Obligee, in the amount of ten percent (10%) of the amount of the base bid for the payment of which Principal and Surety bind themselves, their heirs, executors, administrators, successors and assigns, jointly and severally, to this agreement.

Principal has submitted to Obligee a bid to enter into a written contract, for

CDB Project Number: \_\_\_\_\_ Division of Work: \_\_\_\_\_  
in accordance with bidding documents for the project, which contract is by reference made a part hereof and is hereinafter referred to as "the Contract".

THE CONDITION OF THIS OBLIGATION is that if Principal, upon acceptance by Obligee of its bid within the period of time specified for acceptance, shall comply with all post award requirements as required by the terms of the bid within the time specified after date of the Notice of Award, or in the event of the failure to comply with all post award requirements, if Principal shall pay Obligee (1) for all costs of procuring the work which exceeds the amount of its bid, or (2) shall pay Obligee the amount of this bond as liquidated damages in the event Principal is a sole bidder and after an attempt to secure other bids by readvertising none can be obtained, then this obligation shall be null and void; otherwise it shall remain in full force and effect.

Surety hereby agrees that its obligation shall not be impaired by any extensions of time for Obligee's acceptance or compliance with post award requirements. Surety hereby waives notice of such extensions.

Signed and sealed this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_.

\_\_\_\_\_  
CONTRACTOR

\_\_\_\_\_  
SURETY

BY \_\_\_\_\_  
SIGNATURE

BY \_\_\_\_\_  
OFFICER OF THE SURETY

Title \_\_\_\_\_ Title \_\_\_\_\_  
ATTEST: \_\_\_\_\_

\_\_\_\_\_  
CORPORATE SECRETARY (Corporations only)

\_\_\_\_\_  
STATE OF \_\_\_\_\_ JURAT (Notary's Statement Authenticating Signature)

COUNTY OF \_\_\_\_\_

I, \_\_\_\_\_, a Notary Public in and for said county, do hereby certify that  
(Insert Name of Attorney-In-Fact for SURETY)  
who is personally known to me to be the same person whose name is subscribed to the foregoing instrument on behalf of SURETY, appeared before me this day in person and acknowledged respectively, that he/she signed, sealed, and delivered said instrument as his/her free and voluntary act for the uses and purposes therein set forth.

Given under my hand and notarial seal this \_\_\_\_\_ DAY OF \_\_\_\_\_ A.D. 20\_\_

My commission expires \_\_\_\_\_

Notary Signature \_\_\_\_\_



BIDDING & CONTRACT REQUIREMENTS  
Document 00 41 07 Product Substitution Form

**RETURN WITH BID**

The Bidder should include this form with the Bid Forms if a material substitution is offered at that time. See Article 00 43 25 of the Standard Documents for Construction.

The Base Bid and Alternate Bids include only those products specified in the bidding documents. Following is a list of substitute products which bidder proposes to furnish on this project, with the difference in price being deducted from the Base Bid or Alternate Bids.

NOTE: CDB WILL NOT ACCEPT SUBSTITUTIONS FOR SPECIFIED MEMBRANE ROOF SYSTEM(S).

Bidder understands that acceptance of any proposed substitution is at CDB's option. Approval or rejection of any substitutions listed below will be indicated prior to executing the Contract.

MANUFACTURER'S NAME AND PRODUCT

DEDUCT

<hr/>	<hr/>
<hr/>	<hr/>
<hr/>	<hr/>
<hr/>	<hr/>
<hr/>	<hr/>

EVALUATION. Contract award will be made in accord with the Standard Documents for Construction. Only the lowest responsible bidder's Proposed Product Substitution Form will be evaluated.

BIDDER'S NAME: \_\_\_\_\_

TRADE: \_\_\_\_\_

BIDDING & CONTRACT REQUIREMENTS  
**Document 00 41 08 – Standard Business Terms and Conditions**  
**RETURN WITH BID**

**ate Required Ethical Standards Governing Contract Procurement:**

Article 50 of the Illinois Procurement Code establishes the duty of all State chief procurement officers, State purchasing officers, and their designees to maximize the value of the expenditure of public moneys in procuring goods, services, and contracts for the State of Illinois and to act in a manner that maintains the integrity and public trust of State government. In discharging this duty, they are charged by law to use all available information, reasonable efforts, and reasonable actions to protect, safeguard, and maintain the procurement process of the State of Illinois.

In order to comply with the provisions of Article 50 and to carry out the duty established therein, all bidders are to adhere to ethical standards established for the procurement process, and to make such assurances, disclosures and certifications required by law. The bidder indicates that each certification is made and understood, and that each disclosure requirement has been understood and completed.

In addition to all other remedies provided by law, failure to comply with any assurance, failure to make any disclosure or the making of a false certification shall be grounds for the chief procurement officer to void the contract, or subcontract, and may result in the suspension or debarment of the bidder or subcontractor.

The requirements of this certification and disclosure are a material part of the contract, and the contractor shall require this certification provision to be included in all subcontracts.

**THE BIDDER MAKES THE FOLLOWING REPRESENTATIONS:**

- A. The Bidder certifies that it is aware of the requirements of the Substance Abuse Prevention on Public Works Project Act, 820 ILCS 265, and that, if awarded a contract, it is or will be in full compliance with the law prior to beginning work, including the requirement to file with CDB a written substance abuse plan which meets or exceeds the requirements of the Act.
- B. The Bidder certifies that it is aware of the requirements of section 23.9 of the State Comptroller Act, 15 ILCS 405/23.9, which was effective August 26, 2011. This statute requires a fee of \$15 to cover expenses related to the administration of the Minority Contractor Opportunity Initiative. Any Vendor awarded a contract of \$1,000 or more from this solicitation is required to pay a fee of \$15. The Comptroller shall deduct the fee from the first check issued to the Vendor under the contract and deposit the fee in the Comptroller's Administrative Fund.
- C. Apprenticeship and Training Certification  
In accordance with the provisions of Section 30-22 (6) of the Illinois Procurement Code, the bidder certifies that it is a participant, either as an individual or as part of a group program, in the approved apprenticeship and training programs applicable to each type of work or craft that the bidder will perform with its own forces. The bidder further certifies for work that will be performed by subcontract that each of its subcontractors either (a) is, at the time of such bid, participating in an approved, applicable apprenticeship and training program; or (b) will, prior to commencement of performance of work pursuant to this contract, begin participation in an approved apprenticeship and training program applicable to the work of the subcontract.

The bidder shall include with this bid package the official Certificate of Registration or a verification letter from the US Department of Labor (USDOL) certified group program sponsor for the USDOL certified apprenticeship and training program of which the bidder is a member for each of the types of work or crafts that will be performed with the bidder's forces and for each of the types of work or crafts that will be performed by the subcontractor(s) (if the subcontractor is participating in an approved program at the time of bid).

BIDDING & CONTRACT REQUIREMENTS  
**Document 00 41 08 – Standard Business Terms and Conditions**  
**RETURN WITH BID**

✓. Illinois Office Certification

Bidder certifies that it will maintain an Illinois office as the primary place of employment for persons employed in the construction authorized by the contract in accordance with 30 ILCS 500/30-22(8).

**E. STANDARD BUSINESS TERMS AND CONDITIONS**

1. **AVAILABILITY OF APPROPRIATION; SUFFICIENCY OF FUNDS:** This contract is contingent upon and subject to the availability of sufficient funds. CDB may terminate or suspend this contract, in whole or in part, without penalty or further payment being required, if (i) sufficient funds for this contract have not been appropriated or otherwise made available to CDB by the State or the Federal funding source, (ii) the Governor or CDB reserves funds, or (iii) the Governor or CDB determines that funds will not or may not be available for payment. CDB shall provide notice, in writing, to the Vendor of any such funding failure and its election to terminate or suspend the contract as soon as practicable. Any suspension or termination pursuant to this Section will be effective upon the date of the written notice, unless otherwise indicated.
2. **AUDIT/RETENTION OF RECORDS (30 ILCS 500/20-65):** Vendor and its subcontractors shall maintain books and records relating to the performance of the contract or subcontract and necessary to support amounts charged to the State under the contract or subcontract. Books and records, including information stored in databases or other computer systems, shall be maintained by the Vendor for a period of three years from the later of the date of final payment under the contract or completion of the contract, and by the subcontractor for a period of three years from the later of final payment under the term or completion of the subcontract. If federal funds are used to pay contract costs, the Vendor and its subcontractors must retain its records for five years. Books and records required to be maintained under this section shall be available for review or audit by representatives of: the procuring Agency, the Auditor General, the Executive Inspector General, the Chief Procurement Officer, State of Illinois internal auditors or other governmental entities with monitoring authority, upon reasonable notice and during normal business hours. Vendor and its subcontractors shall cooperate fully with any such audit and with any investigation conducted by any of these entities. Failure to maintain books and records required by this section shall establish a presumption in favor of the State for the recovery of any funds paid by the State under the contract for which adequate books and records are not available to support the purported disbursement. The Vendor or subcontractors shall not impose a charge for audit or examination of the Vendor's books and records.
3. **TIME IS OF THE ESSENCE:** Time is of the essence with respect to Vendor's performance of this contract. Vendor shall continue to perform its obligations while any dispute concerning the contract is being resolved unless otherwise directed by the State.
4. **NO WAIVER OF RIGHTS:** Except as specifically waived in writing, failure by a Party to exercise or enforce a right does not waive that Party's right to exercise or enforce that or other rights in the future.
5. **FORCE MAJEURE:** Failure by either Party to perform its duties and obligations will be excused by unforeseeable circumstances beyond its reasonable control and not due to its negligence including acts of nature, acts of terrorism, riots, labor disputes, fire, flood, explosion, and governmental prohibition. The non-declaring Party may cancel the contract without penalty if performance does not resume within 30 days of the declaration.
6. **CONFIDENTIAL INFORMATION:** Each Party, including its agents and subcontractors, to this contract may have or gain access to confidential data or information owned or maintained by the other Party in the course of carrying out its responsibilities under this contract. Vendor shall presume all information received from the State or to which it gains access pursuant to this contract is confidential. Vendor information, unless clearly marked as confidential and exempt from disclosure under the Illinois Freedom of Information Act, shall be considered public. No confidential data collected, maintained, or used in the course of performance of the contract shall be disseminated except as authorized by law and with the written consent of the disclosing Party, either during the

**BIDDING & CONTRACT REQUIREMENTS**  
**Document 00 41 08 – Standard Business Terms and Conditions**  
**RETURN WITH BID**

period of the contract or thereafter. The receiving Party must return any and all data collected, maintained, created or used in the course of the performance of the contract, in whatever form it is maintained, promptly at the end of the contract, or earlier at the request of the disclosing Party, or notify the disclosing Party in writing of its destruction. The foregoing obligations shall not apply to confidential data or information lawfully in the receiving Party's possession prior to its acquisition from the disclosing Party; received in good faith from a third-party not subject to any confidentiality obligation to the disclosing Party; now is or later becomes publicly known through no breach of confidentiality obligation by the receiving Party; or is independently developed by the receiving Party without the use or benefit of the disclosing Party's confidential information.

7. **USE AND OWNERSHIP:** All work performed or supplies created by Vendor under this contract, whether written documents or data, goods or deliverables of any kind, shall be deemed work-for-hire under copyright law and all intellectual property and other laws, and the State of Illinois is granted sole and exclusive ownership to all such work, unless otherwise agreed in writing. Vendor hereby assigns to the State all right, title, and interest in and to such work including any related intellectual property rights, and/or waives any and all claims that Vendor may have to such work including any so-called "moral rights" in connection with the work. Vendor acknowledges the State may use the work product for any purpose. Confidential data or information contained in such work shall be subject to confidentiality provisions of this contract.
8. **INDEPENDENT CONTRACTOR:** Vendor shall act as an independent contractor and not an agent or employee of, or joint venturer with the State. All payments by the State shall be made on that basis.
9. **SOLICITATION AND EMPLOYMENT:** Vendor shall not employ any person employed by the State during the term of this contract to perform any work under this contract. Vendor shall give notice immediately to the Agency's director if Vendor solicits or intends to solicit State employees to perform any work under this contract.
10. **COMPLIANCE WITH THE LAW:** The Vendor, its employees, agents, and subcontractors shall comply with all applicable federal, state, and local laws, rules, ordinances, regulations, orders, federal circulars and all license and permit requirements in the performance of this contract. Vendor shall be in compliance with applicable tax requirements and shall be current in payment of such taxes. Vendor shall obtain at its own expense, all licenses and permissions necessary for the performance of this contract.
11. **BACKGROUND CHECK:** Whenever the State deems it reasonably necessary for security reasons, the State may conduct, at its expense, criminal and driver history background checks of Vendor's and subcontractors officers, employees or agents. Vendor or subcontractor shall reassign immediately any such individual who, in the opinion of the State, does not pass the background checks.
12. **APPLICABLE LAW:** This contract shall be construed in accordance with and is subject to the laws and rules of the State of Illinois. The Department of Human Rights' Equal Opportunity requirements (44 Ill. Adm. Code 750) are incorporated by reference. Any claim against the State arising out of this contract must be filed exclusively with the Illinois Court of Claims (705 ILCS 505/1). The State shall not enter into binding arbitration to resolve any contract dispute. The State of Illinois does not waive sovereign immunity by entering into this contract. The official text of cited statutes is incorporated by reference (An unofficial version can be viewed at <http://www.ilga.gov/legislation/ilcs/ilcs.asp>). In compliance with the Illinois and federal Constitutions, the Illinois Human Rights Act, the U. S. Civil Rights Act, and Section 504 of the federal Rehabilitation Act and other applicable laws and rules the State does not unlawfully discriminate in employment, contracts, or any other activity.
13. **ANTI-TRUST ASSIGNMENT:** If Vendor does not pursue any claim or cause of action it has arising under federal or state antitrust laws relating to the subject matter of the contract, then upon request of the Illinois Attorney General, Vendor shall assign to the State rights, title and interest in and to the claim or cause of action.

**BIDDING & CONTRACT REQUIREMENTS**  
**Document 00 41 08 – Standard Business Terms and Conditions**  
**RETURN WITH BID**

14. **CONTRACTUAL AUTHORITY:** The Agency that signs for the State of Illinois shall be the only State entity responsible for performance and payment under the contract. When the Chief Procurement Officer or authorized designee signs in addition to an Agency, they do so as approving officer and shall have no liability to Vendor. When the Chief Procurement officer or authorized designee signs a master contract on behalf of State agencies, only the Agency that places an order with the Vendor shall have any liability to Vendor for that order.
15. **NOTICES:** Notices and other communications provided for herein shall be given in writing by registered or certified mail, return receipt requested, by receipted hand delivery, by courier (UPS, Federal Express or other similar and reliable carrier), by e-mail, or by fax showing the date and time of successful receipt. Notices shall be sent to the individuals who signed the contract using the contact information following the signatures. Each such notice shall be deemed to have been provided at the time it is actually received. By giving notice, either Party may change the contact information.
16. **MODIFICATIONS AND SURVIVAL:** Amendments, modifications and waivers must be in writing and signed by authorized representatives of the Parties. Any provision of this contract officially declared void, unenforceable, or against public policy, shall be ignored and the remaining provisions shall be interpreted, as far as possible, to give effect to the Parties' intent. All provisions that by their nature would be expected to survive, shall survive termination. In the event of a conflict between the State's and the Vendor's terms, conditions and attachments, the State's terms, conditions and attachments shall prevail.
17. **PERFORMANCE RECORD / SUSPENSION:** Upon request of the State, Vendor shall meet to discuss performance or provide contract performance updates to help ensure proper performance of the contract. The State may consider Vendor's performance under this contract and compliance with law and rule to determine whether to continue the contract, suspend Vendor from doing future business with the State for a specified period of time, or to determine whether Vendor can be considered responsible on specific future contract opportunities.
18. **FREEDOM OF INFORMATION ACT:** This contract and all related public records maintained by, provided to or required to be provided to the State are subject to the Illinois Freedom of Information Act notwithstanding any provision to the contrary that may be found in this contract.

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Printed Name: \_\_\_\_\_

Title: \_\_\_\_\_

Phone Number: \_\_\_\_\_

Email Address: \_\_\_\_\_

**BIDDING & CONTRACT REQUIREMENTS**  
**Document 00 41 09 – Certifications and Disclosures**  
**RETURN WITH BID**  
**FORMS A**

**Effective July 1, 2014 – BIDDERS HAVE TWO OPTIONS FOR PROVIDING THE REQUIRED CERTIFICATIONS AND DISCLOSURES:**

**1. FORMS A – THE STANDARD PAPER METHOD OF REQUIRED DOCUMENTS AND INFORMATION.**

**OR**

**2. FORMS B AND AN ILLINOIS PROCUREMENT GATEWAY (IPG) REGISTRATION NUMBER WHICH ALLOWS FOR REDUCED DOCUMENTATION WHEN USING AN APPROVED IPG REGISTRATION NUMBER.**

The Illinois Procurement Gateway is located at <https://ipg.vendorreg.com>.

The IPG is a web based system that serves as the primary location for entering, organizing, and reviewing vendor information. The IPG allows vendors to provide disclosures, registrations, and other documentation needed to do business with a State agency or university in advance of any particular procurement, thereby reducing the number of documents needed to be submitted with a bid.

The State reviews information submitted through the IPG to register vendors in advance of submitting bids and offers for contracts. Upon satisfactory registration, vendors receive a registration number that may be used when submitting the required forms. Reviews may exceed two weeks when information submitted is incomplete or inaccurate.

# FORMS A

**\*This Forms A section shall be used if you are not using IPG (Illinois Procurement Gateway) Registration #.**

**BIDDING & CONTRACT REQUIREMENTS**  
**Document 00 41 09 – Certifications and Disclosures**

**RETURN WITH BID**

Vendor responding to a solicitation by the State of Illinois must return the information requested within this section with their bid or offer if they are not registered in the Illinois Procurement Gateway (IPG). Failure to do so may render their bid or offer non-responsive and result in disqualification.

Please read this entire Forms A and provide the requested information as applicable and per the instructions. All forms and signature areas contained in this Forms A must be completed in full and submitted along with the bid in an Invitation for Bid; and completed in full and submitted along with the technical response and price proposal, which combined will constitute the Offer, in a Request for Proposal.

Vendor Name:	Phone:
Street Address:	Email:
City, State Zip:	Vendor Contact:



**BIDDING & CONTRACT REQUIREMENTS**  
**Document 00 41 09 – Certifications and Disclosures**  
**RETURN WITH BID**  
**OUTLINE**

**FORMS A**

**Complete this section if you are not using an IPG (Illinois Procurement Gateway) Registration #**

Business and Directory Information .....	Part 1.
Illinois Department of Human Rights Public Contracts Number .....	2.
Authorized to Do Business in Illinois .....	3.
Standard Certifications .....	4.
State Board of Elections .....	5.
Disclosure of Business Operations in Iran .....	6.
Financial Disclosures and Conflicts of Interest .....	7.
Taxpayer Identification Number .....	8.

**RETURN WITH BID**

**STATE OF ILLINOIS**

**BUSINESS AND DIRECTORY INFORMATION**

- 1.1. Name of Business (official name and DBA)
- 1.2. Business Headquarters (address, phone and fax)
- 1.3. If a Division or Subsidiary of another organization provide the name and address of the parent
- 1.4. Billing Address
- 1.5. Name of Chief Executive Officer
- 1.6. Company Web Site Address
- 1.7. Type of Organization (sole proprietor, corporation, etc.--should be same as on Taxpayer ID form below)
- 1.8. Length of time in business
- 1.9. Annual Sales for Offeror's most recently completed fiscal year
- 1.10. Show number of full-time employees, on average, during the most recent fiscal year
- 1.11. Is your company at least 51% owned and controlled by individuals in one of the following categories? If "Yes," please check the category that applies:
  - 1.11.1. Minority (30 ILCS 575/2(A)(1) & (3)) ☐ Yes
  - 1.11.2. Female (30 ILCS 575/2(A)(2) & (4)) ☐ Yes
  - 1.11.3. Person with Disability (30 ILCS 575/2(A)(2.05) & (2.1)) ☐ Yes
  - 1.11.4. Disadvantaged (49 CFR 26) ☐ Yes
  - 1.11.5. Veteran (30 ILCS 500/45-57) ☐ Yes

**RETURN WITH BID**

**STATE OF ILLINOIS**

**ILLINOIS DEPARTMENT OF HUMAN RIGHTS PUBLIC CONTRACT NUMBER**

- 2.1. If Offeror employed fifteen or more full-time employees at the time of submission of their response to this solicitation or any time during the previous 365-day period leading up to submission, it must have a current IDHR Public Contract Number or have proof of having submitted a completed application for one **prior** to the solicitation opening date. 775 ILCS 5/2-101. If the Agency/University cannot confirm compliance, it will not be able to consider a Vendor's bid or offer. Please complete the appropriate sections below:
- Name of Company (and DBA): \_\_\_\_\_
- ☐ (check if applicable) The number is not required as the company has not met or exceeded the number of employees that makes registration necessary under the requirements of the Human Rights Act described above.
- IDHR Public Contracts Number: \_\_\_\_\_ Expiration Date: \_\_\_\_\_
- 2.2. If number has not yet been issued, provide the date a completed application for the number was submitted to IDHR: \_\_\_\_\_
- 2.3. Upon expiration and until their Contractor Identification Number is renewed, companies will not be eligible to be awarded contracts by the State of Illinois or other jurisdictions that require a current IDHR number as a condition of contract eligibility. 44 ILL. ADM. CODE 750.210(a).
- 2.4. Numbers issued by the Department of Human Rights (or its predecessor agency, the Illinois Fair Employment Practices Commission) prior to July 1, 1998 are no longer valid. This affects numbers below 89999-00-0. Valid numbers begin with 900000-00-0.
- 2.5. If Offeror's organization holds an expired number, it must re-register with the Department of Human Rights.
- 2.6. Offeror may obtain an application form by:
- 2.6.1. Telephone: Call the IDHR Public Contracts Unit at (312) 814-2431 between Monday and Friday, 8:30 AM - 5:00 PM, CST. (TDD (312) 263-1579).
- 2.6.2. Internet: You may download the form from the Department of Human Rights' website at (<http://www2.illinois.gov/dhr/PublicContracts/Pages/default.aspx>).
- 2.6.3. Mail: Write to the Department of Human Rights, Public Contracts Unit, 100 West Randolph Street, Suite 10-100, Chicago, IL 60601.

RETURN WITH BID

STATE OF ILLINOIS

AUTHORIZED TO TRANSACT BUSINESS OR CONDUCT AFFAIRS IN ILLINOIS

3. A person, other than an individual acting as a sole proprietor, must be a duly constituted legal entity and authorized to transact business or conduct affairs in Illinois prior to submitting an offer. 30 ILCS 500/20-43. Offerors must review and complete certification #4.32 in the Standard Certifications found in Forms A, Part 4.


Certification #4.32 requires Vendor to check one of the two boxes representing its status. The State may request evidence from a vendor that certifies it is authorized to do business in Illinois proving such authorization. Failure to produce evidence in a timely manner may be considered grounds for determining Vendor non-responsive or not responsible.

For information on registering to transact business or conduct affairs in Illinois, please visit the Illinois Secretary of State's Department of Business Services at their website at

([http://cyberdriveillinois.com/departments/business\\_services/home.html](http://cyberdriveillinois.com/departments/business_services/home.html)) or your home county clerk.

EVIDENCE OF BEING AUTHORIZED TO TRANSACT BUSINESS OR CONDUCT AFFAIRS IS THE SECRETARY  
OF STATE'S CERTIFICATE OF GOOD STANDING


File Number 776-383-1



*To all to whom these Presents Shall Come, Greeting:*

I, Jesse White, Secretary of State of the State of Illinois, do hereby certify that

NIZ CONSULTING, INC. INCORPORATED IN GEORGIA AND LICENSED TO TRANSACT BUSINESS IN THIS STATE ON JANUARY 26, 2011, APPEARS TO HAVE COMPLIED WITH ALL THE PROVISIONS OF THE BUSINESS CORPORATION ACT OF THIS STATE RELATING TO THE PAYMENT OF FRANCHISE TAXES AND AS OF THIS DATE IS A FOREIGN CORPORATION IN GOOD STANDING AND AUTHORIZED TO TRANSACT BUSINESS IN THE STATE OF ILLINOIS.



*In Testimony Whereof, I hereto set my hand and cause to be affixed the Great Seal of the State of Illinois, this 7TH day of JUNE A.D. 2011.*

*Jesse White*

**BIDDING & CONTRACT REQUIREMENTS**  
**Document 00 41 09 – Certifications and Disclosures**  
**RETURN WITH BID**  
**STATE OF ILLINOIS**  
**STANDARD CERTIFICATIONS**

Vendor acknowledges and agrees that compliance with this subsection in its entirety for the term of the contract and any renewals is a material requirement and condition of this contract. By executing this contract Vendor certifies compliance with this subsection in its entirety, and is under a continuing obligation to remain in compliance and report any non-compliance.

This subsection, in its entirety, applies to subcontractors used on this contract. Vendor shall include these Standard Certifications in any subcontract used in the performance of the contract using the Standard Certification form provided by the State.

If this contract extends over multiple fiscal years, including the initial term and all renewals, Vendor and its subcontractors shall confirm compliance with this section in the manner and format determined by the State by the date specified by the State and in no event later than July 1 of each year that this contract remains in effect.

If the Parties determine that any certification in this section is not applicable to this contract it may be stricken without affecting the remaining subsections.

4.1. As part of each certification, Vendor acknowledges and agrees that should Vendor or its subcontractors provide false information, or fail to be or remain in compliance with the Standard Certification requirements, one or more of the following sanctions will apply:

- the contract may be void by operation of law,
- the State may void the contract, and
- the Vendor and its subcontractors may be subject to one or more of the following: suspension, debarment, denial of payment, civil fine, or criminal penalty.

Identifying a sanction or failing to identify a sanction in relation to any of the specific certifications does not waive imposition of other sanctions or preclude application of sanctions not specifically identified.

4.2. Vendor certifies it and its employees will comply with applicable provisions of the United States Civil Rights Act, Section 504 of the Federal Rehabilitation Act, the Americans with Disabilities Act, and applicable rules in performance of this contract.

4.3. Vendor, if an individual, sole proprietor, partner or an individual as member of a LLC, certifies he/she is not in default on an educational loan. 5 ILCS 385/3.

4.4. Vendor, if an individual, sole proprietor, partner or an individual as member of a LLC, certifies it he/she has not received (i) an early retirement incentive prior to 1993 under Section 14-108.3 or 16-133.3 of the Illinois Pension Code or (ii) an early retirement incentive on or after 2002 under Section 14-108.3 or 16-133.3 of the Illinois Pension Code. 30 ILCS 105/15a; 40 ILCS 5/14-108.3; 40 ILCS 5/16-133.

**RETURN WITH BID**

**STATE OF ILLINOIS**

**STANDARD CERTIFICATIONS**

- 4.5. Vendor certifies that it is a legal entity authorized to do business in Illinois prior to submission of a bid, offer, or proposal. 30 ILCS 500/1-15.80, 20-43.
- 4.6. To the extent there was a current Vendor providing the services covered by this contract and the employees of that Vendor who provided those services are covered by a collective bargaining agreement, Vendor certifies (i) that it will offer to assume the collective bargaining obligations of the prior employer, including any existing collective bargaining agreement with the bargaining representative of any existing collective bargaining unit or units performing substantially similar work to the services covered by the contract subject to its bid or offer; and (ii) that it shall offer employment to all employees currently employed in any existing bargaining unit who perform substantially similar work to the work that will be performed pursuant to this contract. This does not apply to heating, air conditioning, plumbing and electrical service contracts. 30 ILCS 500/25-80.
- 4.7. Vendor certifies it has neither been convicted of bribing or attempting to bribe an officer or employee of the State of Illinois or any other State, nor made an admission of guilt of such conduct that is a matter of record. 30 ILCS 500/50-5.
- 4.8. If Vendor has been convicted of a felony, Vendor certifies at least five years have passed after the date of completion of the sentence for such felony, unless no person held responsible by a prosecutor's office for the facts upon which the conviction was based continues to have any involvement with the business. 30 ILCS 500/50-10.
- 4.9. If Vendor or any officer, director, partner, or other managerial agent of Vendor has been convicted of a felony under the Sarbanes-Oxley Act of 2002, or a Class 3 or Class 2 felony under the Illinois Securities Law of 1953, Vendor certifies at least five years have passed since the date of the conviction. Vendor further certifies that it is not barred from being awarded a contract and acknowledges that the State shall declare the contract void if this certification is false. 30 ILCS 500/50-10.5.
- 4.10. Vendor certifies it is not barred from having a contract with the State based upon violating the prohibitions related to either submitting/writing specifications or providing assistance to an employee of the State of Illinois by reviewing, drafting, directing, or preparing any invitation for bids, a request for proposal, or request of information, or similar assistance (except as part of a public request for such information). 30 ILCS 500/50-10.5(e), *amended* by Pub. Act No. 97-0895 (August 3, 2012).
- 4.11. Vendor certifies that it and its affiliates are not delinquent in the payment of any debt to the State (or if delinquent has entered into a deferred payment plan to pay the debt), and Vendor and its affiliates acknowledge the State may declare the contract void if this certification is false or if Vendor or an affiliate later becomes delinquent and has not entered into a deferred payment plan to pay off the debt. 30 ILCS 500/50-11, 50-60.
- 4.12. Vendor certifies that it and all affiliates shall collect and remit Illinois Use Tax on all sales of tangible personal property into the State of Illinois in accordance with provisions of the Illinois Use Tax Act and acknowledges that failure to comply may result in the contract being declared void. 30 ILCS 500/50-12.



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**STATE OF ILLINOIS**

**STANDARD CERTIFICATIONS**

- 4.13. Vendor certifies that it has not been found by a court or the Pollution Control Board to have committed a willful or knowing violation of the Environmental Protection Act within the last five years, and is therefore not barred from being awarded a contract. 30 ILCS 500/50-14.
- 4.14. Vendor certifies it has neither paid any money or valuable thing to induce any person to refrain from bidding on a State contract, nor accepted any money or other valuable thing, or acted upon the promise of same, for not bidding on a State contract. 30 ILCS 500/50-25.
- 4.15. Vendor certifies it is not in violation of the “Revolving Door” provisions of the Illinois Procurement Code. 30 ILCS 500/50-30.
- 4.16. Vendor certifies that it has not retained a person or entity to attempt to influence the outcome of a procurement decision for compensation contingent in whole or in part upon the decision or procurement. 30 ILCS 500/50-38.
- 4.17. Vendor certifies that if it has hired a person required to register under the Lobbyist Registration Act to assist in obtaining any State contract, that none of the lobbyist’s costs, fees, compensation, reimbursements, or other remuneration were billed to the State. 30 ILCS 500\50-38.
- 4.18. Vendor certifies it will report to the Illinois Attorney General and the Chief Procurement Officer any suspected collusion or other anti-competitive practice among any bidders, offerors, contractors, proposers, or employees of the State. 30 ILCS 500/50-40, 50-45, 50-50.
- 4.19. Vendor certifies steel products used or supplied in the performance of a contract for public works shall be manufactured or produced in the United States, unless the executive head of the procuring Agency/University grants an exception. 30 ILCS 565.
- 4.20. Drug Free Workplace
- 4.20.1. If Vendor employs 25 or more employees and this contract is worth more than \$5,000, Vendor certifies it will provide a drug free workplace pursuant to the Drug Free Workplace Act.
- 4.20.2. If Vendor is an individual and this contract is worth more than \$5000, Vendor certifies it shall not engage in the unlawful manufacture, distribution, dispensation, possession, or use of a controlled substance during the performance of the contract. 30 ILCS 580.
- 4.21. Vendor certifies that neither Vendor nor any substantially owned affiliate is participating or shall participate in an international boycott in violation of the U.S. Export Administration Act of 1979 or the applicable regulations of the United States. Department of Commerce. 30 ILCS 582.
- 4.22. Vendor certifies it has not been convicted of the offense of bid rigging or bid rotating or any similar offense of any state or of the United States. 720 ILCS 5/33 E-3, E-4.

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**STANDARD CERTIFICATIONS**

- 4.23. Vendor certifies it complies with the Illinois Department of Human Rights Act and rules applicable to public contracts, which include providing equal employment opportunity, refraining from unlawful discrimination, and having written sexual harassment policies. 775 ILCS 5/2-105.
- 4.24. Vendor certifies it does not pay dues to or reimburse or subsidize payments by its employees for any dues or fees to any “discriminatory club.” 775 ILCS 25/2.
- 4.25. Vendor certifies that no foreign-made equipment, materials, or supplies furnished to the State under the contract have been or will be produced in whole or in part by forced labor or indentured labor under penal sanction. 30 ILCS 583.
- 4.26. Vendor certifies that no foreign-made equipment, materials, or supplies furnished to the State under the contract have been produced in whole or in part by the labor of any child under the age of 12. 30 ILCS 584.
- 4.27. Vendor certifies that any violation of the Lead Poisoning Prevention Act, as it applies to owners of residential buildings, has been mitigated. 410 ILCS 45.
- 4.28. Vendor warrants and certifies that it and, to the best of its knowledge, its subcontractors have and will comply with Executive Order No. 1 (2007). The Order generally prohibits Vendors and subcontractors from hiring the then-serving Governor’s family members to lobby procurement activities of the State, or any other unit of government in Illinois including local governments if that procurement may result in a contract valued at over \$25,000. This prohibition also applies to hiring for that same purpose any former State employee who had procurement authority at any time during the one-year period preceding the procurement lobbying activity.
- 4.29. Vendor certifies that information technology, including electronic information, software, systems and equipment, developed or provided under this contract comply with the applicable requirements of the Illinois Information Technology Accessibility Act Standards as published at ([www.dhs.state.il.us/iitaa](http://www.dhs.state.il.us/iitaa)) 30 ILCS 587.
- 4.30. Vendor certifies that it has read, understands, and is in compliance with the registration requirements of the Elections Code (10 ILCS 5/9-35) and the restrictions on making political contributions and related requirements of the Illinois Procurement Code. 30 ILCS 500/20-160 and 50-37. Vendor will not make a political contribution that will violate these requirements.

In accordance with section 20-160 of the Illinois Procurement Code, Vendor certifies as applicable:

☐ Vendor is not required to register as a business entity with the State Board of Elections.

or

☐ Vendor has registered with the State Board of Elections. As a registered business entity, Vendor acknowledges a continuing duty to update the registration as required by the Act.



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**STANDARD CERTIFICATIONS**

- 4.31. Vendor certifies that if it is awarded a contract through the use of the preference required by the Procurement of Domestic Products Act, then it shall provide products pursuant to the contract or a subcontract that are manufactured in the United States. 30 ILCS 517.
- 4.32. A person (other than an individual acting as a sole proprietor) must be a duly constituted legal entity and authorized to transact business or conduct affairs in Illinois prior to submitting a bid or offer. 30 ILCS 500/20-43. If you do not meet these criteria, then your bid or offer will be disqualified.

Vendor must make one of the following two certifications by checking the appropriate box.

- A. ☐ Vendor certifies it is an individual acting as a sole proprietor and is therefore not subject to the requirements of section 20-43 of the Procurement Code.
- B. ☐ Vendor certifies that it is a legal entity, and was authorized to transact business or conduct affairs in Illinois as of the date for submitting this bid or offer. The State may require Vendor to provide evidence of compliance before award.
- 4.33. Vendor certifies that, for the duration of this contract it will:
- post its employment vacancies in Illinois and border states on the Department of Employment Security's IllinoisJobLink.com website or its successor system; or
  - will provide an online link to these employment vacancies so that this link is accessible through the IllinoisJobLink.com website or its successor system; or
  - is exempt from 20 ILCS 1005/1005-47 because the contract is for construction-related services as that term is defined in section 1-15.20 of the Procurement Code; or the contract is for construction and vendor is a party to a contract with a bona fide labor organization and performs construction. (20 ILCS 1005/1005-47).

BIDDING & CONTRACT REQUIREMENTS  
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**STATE BOARD OF ELECTIONS**

5. Section 50-37 of the Illinois Procurement Code prohibits political contributions of certain vendors, bidders and offerors. Additionally, section 9-35 of the Illinois Election Code governs provisions relating to reporting and making contributions to state officeholders, declared candidates for State offices and covered political organizations that promote the candidacy of an officeholder or declared candidate for office. The State may declare any resultant contract void if these Acts are violated.

Generally, if a vendor, bidder, or offeror is an entity doing business for profit (i.e. sole proprietorship, partnership, corporation, limited liability company or partnership, or otherwise) and has contracts with State agencies that annually total more than \$50,000 or whose aggregate pending bids or proposals and current State contracts that total more than \$50,000, the vendor, bidder, or offeror is prohibited from making political contributions and must register with the State Board of Elections. 30 ILCS 500/20-160.

**EVIDENCE OF REGISTRATION WITH THE STATE BOARD OF ELECTIONS  
IS THE CERTIFICATE OF REGISTRATION**



**RETURN WITH BID**

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**DISCLOSURE OF BUSINESS OPERATIONS WITH IRAN**

6. In accordance with 30 ILCS 500/50-36, each bid, offer, or proposal submitted for a State contract, other than a small purchase defined in Section 20-20 of the Illinois Procurement Code, will include a disclosure of whether or not the bidder, offeror, or proposing entity, or any of its corporate parents or subsidiaries, within the 24 months before submission of the bid, offer, or proposal had business operations that involved contracts with or provision of supplies or services to the Government of Iran, companies in which the Government of Iran has any direct or indirect equity share, consortiums or projects commissioned by the Government of Iran and:
- more than 10% of the company's revenues produced in or assets located in Iran involve oil-related activities or mineral-extraction activities; less than 75% of the company's revenues produced in or assets located in Iran involve contracts with or provision of oil-related or mineral – extraction products or services to the Government of Iran or a project or consortium created exclusively by that Government; and the company has failed to take substantial action; or
  - the company has, on or after August 5, 1996, made an investment of \$20 million or more, or any combination of investments of at least \$10 million each that in the aggregate equals or exceeds \$20 million in any 12- month period that directly or significantly contributes to the enhancement of Iran's ability to develop petroleum resources of Iran.

A bid or offer that does not include this disclosure may be given a period after the bid or offer is submitted to cure non-disclosure. A chief procurement officer may consider the disclosure when evaluating the bid or offer or awarding the contract.

☐ There are no business operations that must be disclosed to comply with the above cited law.

☐ The following business operations are disclosed to comply with the above cited law:

**BIDDING & CONTRACT REQUIREMENTS**  
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**FINANCIAL DISCLOSURES AND CONFLICTS OF INTEREST**

The Financial Disclosures and Conflicts of Interest form ("form") must be accurately completed and submitted by the vendor, parent entity(ies), and subcontractors. There are **nine** steps to this form and each must be completed as instructed in the step heading and within the step. A bid or offer that does not include this form shall be considered non-responsive. The Agency/University will consider this form when evaluating the bid or offer or awarding the contract.

The requirement of disclosure of financial interests and conflicts of interest is a continuing obligation. If circumstances change and the disclosure is no longer accurate, then disclosing entities must provide an updated form.

Separate forms are required for the vendor, parent entity(ies), and subcontractors.

**This disclosure is submitted for:**

- ☐ Vendor
- ☐ Vendor's Parent Entity(ies) (100% ownership)
- ☐ Subcontractor(s) >\$50,000 (annual value)
- ☐ Subcontractor's Parent Entity(ies) (100% ownership) > \$50,000 (annual value)

Project Name	
Illinois Procurement Bulletin Number	
Contract Number	
Vendor Name	
Doing Business As (DBA)	
Disclosing Entity	
Disclosing Entity's Parent Entity	
Subcontractor	
Instrument of Ownership or Beneficial Interest	<b>Choose an item.</b> <input type="checkbox"/> If you selected Other, please describe:

**STEP 1**

**SUPPORTING DOCUMENTATION SUBMITTAL**

(All vendors complete regardless of annual bid, offer, or contract value)  
(Subcontractors with subcontract annual value of more than \$50,000 must complete)

You must select one of the six options below and select the documentation you are submitting. You must provide the documentation that the applicable section requires with this form.

☐ Option 1 – Publicly Traded Entities

1.A. ☐ Complete Step 2, Option A for each qualifying individual or entity holding any ownership or distributive income share in excess of 5% or an amount greater than 60% (\$106,447.20) of the annual salary of the Governor.

OR

1.B. ☐ Attach a copy of the Federal 10-K or provide a web address of an electronic copy of the Federal 10-K, and skip to Step 3.

☐ Option 2 – Privately Held Entities with more than 100 Shareholders

2.A. ☐ Complete Step 2, Option A for each qualifying individual or entity holding any ownership or distributive income share in excess of 5% or an amount greater than 60% (\$106,447.20) of the annual salary of the Governor.

OR

2.B. ☐ Complete Step 2, Option A for each qualifying individual or entity holding any ownership share in excess of 5% and attach the information Federal 10-K reporting companies are required to report under 17 CFR 229.401.

☐ Option 3 – All other Privately Held Entities, not including Sole Proprietorships

3.A. ☐ Complete Step 2, Option A for each qualifying individual or entity holding any ownership or distributive income share in excess of 5% or an amount greater than 60% (\$106,447.20) of the annual salary of the Governor.

☐ Option 4 – Foreign Entities

4.A. ☐ Complete Step 2, Option A for each qualifying individual or entity holding any ownership or distributive income share in excess of 5% or an amount greater than 60% (\$106,447.20) of the annual salary of the Governor.

OR

4.B. ☐ Attach a copy of the Securities Exchange Commission Form 20-F or 40-F and skip to Step 3.

☐ Option 5 – Not-for-Profit Entities

☐ Complete Step 2, Option B.

☐ Option 6 – Sole Proprietorships

☐ Skip to Step 3.

**STEP 2**

**DISCLOSURE OF FINANCIAL INTEREST OR BOARD OF DIRECTORS**

(All vendors, except sole proprietorships, must complete regardless of annual bid, offer, or contract value)  
(Subcontractors with subcontract annual value of more than \$50,000 must complete)

Complete **either** Option A (for all entities other than not-for-profits) or Option B (for not-for-profits). Additional rows may be inserted into the tables or an attachment may be provided if needed.

**OPTION A – Ownership Share and Distributive Income**

**Ownership Share** – If you selected Option 1.A., 2.A., 2.B., 3.A., or 4.A. in Step 1, provide the name and address of each individual or entity and their percentage of ownership if said percentage exceeds 5%, or the dollar value of their ownership if said dollar value exceeds \$106,447.20.

☐ Check here if including an attachment with requested information in a format substantially similar to the format below.

TABLE – X			
Name	Address	Percentage of Ownership	\$ Value of Ownership

**Distributive Income** – If you selected Option 1.A., 2.A., 3.A., or 4.A. in Step 1, provide the name and address of each individual or entity and their percentage of the disclosing vendor's total distributive income if said percentage exceeds 5% of the total distributive income of the disclosing entity, or the dollar value of their distributive income if said dollar value exceeds \$106,447.20.

☐ Check here if including an attachment with requested information in a format substantially similar to the format below.

TABLE – Y			
Name	Address	% of Distributive Income	\$ Value of Distributive Income

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**Document 00 41 09 – Certifications and Disclosures**

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**FINANCIAL DISCLOSURES AND CONFLICTS OF INTEREST**

Please certify that the following statements are true.

I have disclosed all individuals or entities that hold an ownership interest of greater than 5% or greater than \$106,447.20.

☐ Yes ☐ No

I have disclosed all individuals or entities that were entitled to receive distributive income in an amount greater than \$106,447.20 or greater than 5% of the total distributive income of the disclosing entity.

☐ Yes ☐ No

**OPTION B – Disclosure of Board of Directors (Not-for-Profits)**

If you selected Option 5 in Step 1, list members of your board of directors. Please include an attachment if necessary.

TABLE – Z	
Name	Address

**STEP 3**

**DISCLOSURE OF LOBBYIST OR AGENT**

(Complete only if bid, offer, or contract has an annual value over \$50,000)

(Subcontractors with subcontract annual value of more than \$50,000 must complete)

☐ Yes ☐ No. Is your company represented by or do you employ a lobbyist required to register under the Lobbyist Registration Act (lobbyist must be registered pursuant to the Act with the Secretary of State) or other agent who is not identified through Step 2, Option A above and who has communicated, is communicating, or may communicate with any State/Public University officer or employee concerning the bid or offer? If yes, please identify each lobbyist and agent, including the name and address below.

If you have a lobbyist that does not meet the criteria, then you do not have to disclose the lobbyist's information.

Name	Address	Relationship to Disclosing Entity

Describe all costs/fees/compensation/reimbursements related to the assistance provided by each representative lobbyist or other agent to obtain this Agency/University contract: \_\_\_\_\_

**STEP 4**

**PROHIBITED CONFLICTS OF INTEREST**

(All vendors must complete regardless of annual bid, offer, or contract value)  
(Subcontractors with subcontract annual value of more than \$50,000 must complete)

Step 4 must be completed for each person disclosed in Step 2, Option A and for sole proprietors identified in Step 1, Option 6 above. Please provide the name of the person for which responses are provided: \_\_\_\_\_

1. Do you hold or are you the spouse or minor child who holds an elective office in the State of Illinois or hold a seat in the General Assembly? ☐ Yes ☐ No
2. Have you, your spouse, or minor child been appointed to or employed in any offices or agencies of State government and receive compensation for such employment in excess of 60% (\$106,447.20) of the salary of the Governor? ☐ Yes ☐ No
3. Are you or are you the spouse or minor child of an officer or employee of the Capital Development Board or the Illinois Toll Highway Authority? ☐ Yes ☐ No
4. Have you, your spouse, or an immediate family member who lives in your residence currently or who lived in your residence within the last 12 months been appointed as a member of a board, commission, authority, or task force authorized or created by State law or by executive order of the Governor? ☐ Yes ☐ No
5. If you answered yes to any question in 1-4 above, please answer the following: Do you, your spouse, or minor child receive from the vendor more than 7.5% of the vendor's total distributable income or an amount of distributable income in excess of the salary of the Governor (\$177,412.00)? ☐ Yes ☐ No
6. If you answered yes to any question in 1-4 above, please answer the following: Is there a combined interest of self with spouse or minor child more than 15% in the aggregate of the vendor's distributable income or an amount of distributable income in excess of two times the salary of the Governor (\$354,824.00)? ☐ Yes ☐ No



**STEP 5**

**POTENTIAL CONFLICTS OF INTEREST RELATING TO PERSONAL RELATIONSHIPS**

(Complete only if bid, offer, or contract has an annual value over \$50,000)

(Subcontractors with subcontract annual value of more than \$50,000 must complete)

Step 5 must be completed for each person disclosed in Step 2, Option A and for sole proprietors identified in Step 1, Option 6 above.

Please provide the name of the person for which responses are provided: \_\_\_\_\_

1. Do you currently have, or in the previous 3 years have you had State employment, including contractual employment of services? ☐ Yes ☐ No
2. Has your spouse, father, mother, son, or daughter, had State employment, including contractual employment for services, in the previous 2 years? ☐ Yes ☐ No
3. Do you hold currently or have you held in the previous 3 years elective office of the State of Illinois, the government of the United States, or any unit of local government authorized by the Constitution of the State of Illinois or the statutes of the State of Illinois? ☐ Yes ☐ No
4. Do you have a relationship to anyone (spouse, father, mother, son, or daughter) holding elective office currently or in the previous 2 years? ☐ Yes ☐ No
5. Do you hold or have you held in the previous 3 years any appointive government office of the State of Illinois, the United States of America, or any unit of local government authorized by the Constitution of the State of Illinois or the statutes of the State of Illinois, which office entitles the holder to compensation in excess of expenses incurred in the discharge of that office? ☐ Yes ☐ No
6. Do you have a relationship to anyone (spouse, father, mother, son, or daughter) holding appointive office currently or in the previous 2 years? ☐ Yes ☐ No
7. Do you currently have or in the previous 3 years had employment as or by any registered lobbyist of the State government? ☐ Yes ☐ No
8. Do you currently have or in the previous 2 years had a relationship to anyone (spouse, father, mother, son, or daughter) that is or was a registered lobbyist? ☐ Yes ☐ No
9. Do you currently have or in the previous 3 years had compensated employment by any registered election or re-election committee registered with the Secretary of State or any county clerk in the State of Illinois, or any political action committee registered with either the Secretary of State or the Federal Board of Elections? ☐ Yes ☐ No

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FINANCIAL DISCLOSURES AND CONFLICTS OF INTEREST

10. Do you currently have or in the previous 2 years had a relationship to anyone (spouse, father, mother, son, or daughter) who is or was a compensated employee of any registered election or reelection committee registered with the Secretary of State or any county clerk in the State of Illinois, or any political action committee registered with either the Secretary of State or the Federal Board of Elections? ☐ Yes ☐ No

**STEP 6**

**EXPLANATION OF AFFIRMATIVE RESPONSES**

(All vendors must complete regardless of annual bid, offer, or contract value)  
(Subcontractors with subcontract annual value of more than \$50,000 must complete)

If you answered "Yes" in Step 4 or Step 5, please provide on an additional page a detailed explanation that includes, but is not limited to the name, salary, State agency or university, and position title of each individual.

**STEP 7**

**POTENTIAL CONFLICTS OF INTEREST  
RELATING TO DEBARMENT & LEGAL PROCEEDINGS**

(Complete only if bid, offer, or contract has an annual value over \$50,000)  
(Subcontractors with subcontract annual value of more than \$50,000 must complete)

This step must be completed for each person disclosed in Step 2, Option A, Step 3, and for each entity and sole proprietor disclosed in Step 1.

Please provide the name of the person or entity for which responses are provided: \_\_\_\_\_

1. Within the previous ten years, have you had debarment from contracting with any governmental entity? ☐ Yes ☐ No
2. Within the previous ten years, have you had any professional licensure discipline? ☐ Yes ☐ No
3. Within the previous ten years, have you had any bankruptcies? ☐ Yes ☐ No
4. Within the previous ten years, have you had any adverse civil judgments and administrative findings? ☐ Yes ☐ No
5. Within the previous ten years, have you had any criminal felony convictions? ☐ Yes ☐ No

If you answered "Yes", please provide a detailed explanation that includes, but is not limited to the name, State agency or university, and position title of each individual. \_\_\_\_\_

**STEP 8**  
**DISCLOSURE OF CURRENT AND PENDING CONTRACTS**

(Complete only if bid, offer, or contract has an annual value over \$50,000)  
(Subcontractors with subcontract annual value of more than \$50,000 must complete)

If you selected Option 1, 2, 3, 4, or 6 in Step 1, do you have any contracts, pending contracts, bids, proposals, subcontracts, leases or other ongoing procurement relationships with units of State of Illinois government?

☐ Yes ☐ No.

If "Yes", please specify below. Additional rows may be inserted into the table or an attachment may be provided if needed.

Agency/University	Project Title	Status	Value	Contract Reference/P.O./Illinois Procurement Bulletin #

Please explain the procurement relationship: \_\_\_\_\_

**STEP 9**  
**SIGN THE DISCLOSURE**

(All vendors must complete regardless of annual bid, offer, or contract value)  
(Subcontractors with subcontract annual value of more than \$50,000 must complete)

This disclosure is signed, and made under penalty of perjury for all for-profit entities, by an authorized officer or employee on behalf of the bidder or offeror pursuant to Sections 50-13 and 50-35 of the Illinois Procurement Code. This disclosure information is submitted on behalf of:

Name of Disclosing Entity: \_\_\_\_\_

Date: \_\_\_\_\_

Signature: \_\_\_\_\_

Printed Name: \_\_\_\_\_

Title: \_\_\_\_\_

Phone Number: \_\_\_\_\_

Email Address: \_\_\_\_\_

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**STATE OF ILLINOIS**  
**CERTIFICATIONS AND DISCLOSURES**

I certify that:

The number shown on this form is my correct taxpayer identification number (or I am waiting for a number to be issued to me), and

I am not subject to backup withholding because: (a) I am exempt from backup withholding, or (b) I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or (c) the IRS has notified me that I am no longer subject to backup withholding, and

I am a U.S. person (including a U.S. resident alien).

- If you are an individual, enter your name and SSN as it appears on your Social Security Card.
- If you are a sole proprietor, enter the owner's name on the name line followed by the name of the business and the owner's SSN or EIN.
- If you are a single-member LLC that is disregarded as an entity separate from its owner, enter the owner's name on the name line and the D/B/A on the business name line and enter the owner's SSN or EIN.
- If the LLC is a corporation or partnership, enter the entity's business name and EIN and for corporations, attach IRS acceptance letter (CP261 or CP277).
- For all other entities, enter the name of the entity as used to apply for the entity's EIN and the EIN.

Name:

Business Name:

Taxpayer Identification Number:

Social Security Number:

or

Employer Identification Number:

Legal Status (check one):

- |  |   |
|--|---|
| <input type="checkbox"/> Individual  | <input type="checkbox"/> Governmental                           |
| <input type="checkbox"/> Sole Proprietor   | <input type="checkbox"/> Nonresident alien                      |
| <input type="checkbox"/> Partnership   | <input type="checkbox"/> Estate or trust                        |
| <input type="checkbox"/> Legal Services Corporation  | <input type="checkbox"/> Pharmacy (Non-Corp.)                   |
| <input type="checkbox"/> Tax-exempt  | <input type="checkbox"/> Pharmacy/Funeral Home/Cemetery (Corp.) |
| <input type="checkbox"/> Corporation providing or billing<br>medical and/or health care services     | <input type="checkbox"/> Limited Liability Company              |
| <input type="checkbox"/> Corporation NOT providing or billing<br>medical and/or health care services | (select applicable tax classification)                          |
|  | <input type="checkbox"/> D = disregarded entity                 |
|  | <input type="checkbox"/> C = corporation                        |
|  | <input type="checkbox"/> P = partnership                        |

Signature of Authorized Representative: \_\_\_\_\_

Date:

BIDDING & CONTRACT REQUIREMENTS  
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**STATE OF ILLINOIS**  
**CERTIFICATIONS AND DISCLOSURES**

# FORMS B

**\*This Forms B section may be used when responding to an Invitation for Bid (IFB) or a Request for Proposal (FP) using a current registration in the Illinois Procurement Gateway (IPG).  
If the bidder does not use Forms B, then Forms A shall be submitted with bid.**

BIDDING & CONTRACT REQUIREMENTS  
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**CERTIFICATIONS AND DISCLOSURES**

This Forms B may be used when responding to an Invitation for Bid (IFB) or a Request for Proposal (RFP) if the vendor is registered in the Illinois Procurement Gateway (IPG) and has a valid IPG Registration Number.

If a vendor does not have a valid IPG registration number, then the vendor must complete and submit Forms A with their response. Failure to do so may render the submission non-responsive and result in disqualification.

Please read this entire section and provide the requested information as applicable. All parts in Forms B must be completed in full and submitted along with the vendor's response.

**1. Certification of Illinois Procurement Gateway Registration**

My business has a valid Illinois Procurement Gateway (IPG) registration. The State of Illinois Chief Procurement Office approved the registration and provided the IPG registration number and expiration date disclosed in this Forms B.

To ensure that you have a valid registration in the IPG, search for your business name in the IPG Registered Vendor Directory. If your company does not appear in the search results, then you do not have a valid IPG registration.

IPG Registration #: \_\_\_\_\_ IPG Expiration Date: \_\_\_\_\_

**Certification Timely to this Solicitation or Contract**

Vendor certifies it is not barred from having a contract with the State based upon violating the prohibitions related to either submitting/writing specifications or providing assistance to an employee of the State of Illinois by reviewing, drafting, directing, or preparing any invitation for bids, a request for proposal, or request of information, or similar assistance (except as part of a public request for such information). 30 ILCS 500/50-10.5(e), amended by Public Act No. 97-0895 (August 3, 2012). ☐ Yes ☐ No

**3. Replacement Certification to IPG Certification #6 (supersedes response in IPG)**

If Vendor has been convicted of a felony, Vendor certifies at least five years have passed since the date of completion of the sentence for such felony, unless no person held responsible by a prosecutor's office for the facts upon which the conviction was based continues to have any involvement with the business. Vendor further certifies that it is not barred from being awarded a contract. 30 ILCS 500/50-10. ☐ Yes ☐ No

**4. Disclosure of Lobbyist or Agent (Complete only if bid, offer, or contract has an annual value over \$50,000)**

Is your company or parent entity(ies) represented by or do you or your parent entity(ies) employ a lobbyist required to register under the Lobbyist Registration Act (lobbyist must be registered pursuant to the Act with the Secretary of State) or an agent who has communicated, is communicating, or may communicate with any State/Public University officer or employee concerning the bid or offer? If yes, please identify each lobbyist and agent, including the name and address below. ☐ Yes ☐ No

If yes, please identify each lobbyist and agent, including the name and address below. If you have a lobbyist that does not meet the criteria, then you do not have to disclose the lobbyist's information. Additional rows may be inserted into the table or an attachment may be provided if needed.



**RETURN WITH BID**

STATE OF ILLINOIS

**CERTIFICATIONS AND DISCLOSURES**

Name	Address	Relationship to Disclosing Entity

Describe all costs/fees/compensation/reimbursements related to the assistance provided by each representative lobbyist or other agent to obtain this Agency/University contract: \_\_\_\_\_

**5. Disclosure of Current and Pending Contracts**

Complete only if: (a) your business is for-profit and (b) the bid, offer, or contract has an annual value over \$50,000. Do not complete if you are a not-for-profit entity.

☐ Yes ☐ No. Do you have any contracts, pending contracts, bids, proposals, subcontracts, leases or other ongoing procurement relationships with units of State of Illinois government?

If "Yes", please specify below. Additional rows may be inserted into the table or an attachment in the same format may be provided if needed.

Agency/University	Project Title	Status	Value	Contract Reference/P.O./Illinois Procurement Bulletin #

**Signature**

As of the date signed below, I certify that:

- My business' information and the certifications made in the Illinois Procurement Gateway are truthful and accurate.
- The certifications and disclosures made in this Forms B are truthful and accurate.

This Forms B is signed by an authorized officer or employee on behalf of the bidder, offeror, or vendor pursuant to Sections 50-13 and 50-35 of the Illinois Procurement Code, and the affirmation of the accuracy of the financial disclosures is made under penalty of perjury.

This disclosure information is submitted on behalf of:

Vendor Name:

Phone:

Street Address:

Email:

City, State, Zip:

Vendor Contact:

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Printed Name:

Title:

**BIDDING & CONTRACT REQUIREMENTS**  
**Document 00 41 09 – Certifications and Disclosures**  
**RETURN WITH BID**  
**STATE OF ILLINOIS**  
**CERTIFICATIONS AND DISCLOSURES**

I certify that:

The number shown on this form is my correct taxpayer identification number (or I am waiting for a number to be issued to me), and I am not subject to backup withholding because: (a) I am exempt from backup withholding, or (b) I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or (c) the IRS has notified me that I am no longer subject to backup withholding, and

I am a U.S. person (including a U.S. resident alien).

- If you are an individual, enter your name and SSN as it appears on your Social Security Card.
- If you are a sole proprietor, enter the owner's name on the name line followed by the name of the business and the owner's SSN or EIN.
- If you are a single-member LLC that is disregarded as an entity separate from its owner, enter the owner's name on the name line and the D/B/A on the business name line and enter the owner's SSN or EIN.
- If the LLC is a corporation or partnership, enter the entity's business name and EIN and for corporations, attach IRS acceptance letter (CP261 or CP277).
- For all other entities, enter the name of the entity as used to apply for the entity's EIN and the EIN.

Name:

Business Name:

Taxpayer Identification Number:

Social Security Number:

or

Employer Identification Number:

Legal Status (check one):

- |  |   |
|--|---|
| <input type="checkbox"/> Individual  | <input type="checkbox"/> Governmental                           |
| <input type="checkbox"/> Sole Proprietor   | <input type="checkbox"/> Nonresident alien                      |
| <input type="checkbox"/> Partnership   | <input type="checkbox"/> Estate or trust                        |
| <input type="checkbox"/> Legal Services Corporation  | <input type="checkbox"/> Pharmacy (Non-Corp.)                   |
| <input type="checkbox"/> Tax-exempt  | <input type="checkbox"/> Pharmacy/Funeral Home/Cemetery (Corp.) |
| <input type="checkbox"/> Corporation providing or billing<br>medical and/or health care services     | <input type="checkbox"/> Limited Liability Company              |
| <input type="checkbox"/> Corporation NOT providing or billing<br>medical and/or health care services | (select applicable tax classification)                          |
|  | <input type="checkbox"/> D = disregarded entity                 |
|  | <input type="checkbox"/> C = corporation                        |
|  | <input type="checkbox"/> P = partnership                        |

Signature of Authorized Representative: \_\_\_\_\_

Date:

END 00 41 09



BIDDING & CONTRACT REQUIREMENTS  
**00 43 43 - Prevailing Wage Act**

1. PREVAILING WAGE ACT

Contractor shall not pay less than the prevailing rates of wages to all laborers, workmen, and mechanics performing work under this contract, and shall comply with the requirements of the Illinois Wages of Employees on Public Works Act(820 ILCS 130/1-12).

END 00 43 43.

**Prevailing Wage rates  
for Adams County  
effective Sept. 1, 2017**

<b>Trade Title</b>	<b>Region</b>	<b>Type</b>	<b>Class</b>	<b>Base Wage</b>	<b>Fore- man Wage</b>	<b>M-F OT</b>	<b>OSA</b>	<b>OSH</b>	<b>H/W</b>	<b>Pension</b>	<b>Vacation</b>	<b>Training</b>
ASBESTOS ABT-GEN	ALL	BLD		24.65	26.40	1.5	1.5	2	9.00	11.88	0.00	0.80
ASBESTOS ABT-MEC	ALL	BLD		31.56	32.56	1.5	1.5	2	8.25	3.00	0.00	0.00
BOILERMAKER	ALL	BLD		34.34	36.84	1.5	1.5	2	7.07	22.13	1.50	0.71
BRICK MASON	ALL	BLD		30.00	31.50	1.5	1.5	2	8.75	10.87	0.00	0.85
CARPENTER	ALL	BLD		31.39	33.64	1.5	1.5	2	8.45	17.00	0.00	0.54
CARPENTER	ALL	HWY		32.15	33.90	1.5	1.5	2	8.45	17.00	0.00	0.52
CEMENT MASON	ALL	BLD		28.51	30.01	1.5	1.5	2	8.57	12.65	0.00	0.65
CEMENT MASON	ALL	HWY		28.64	29.89	1.5	1.5	2	8.57	12.65	0.00	0.65
CERAMIC TILE FNSHER	ALL	BLD		30.48	30.48	1.5	1.5	2	8.57	8.58	0.00	0.10
ELECTRIC PWR EQMT OP	ALL	ALL		43.76	54.80	1.5	1.5	2	6.81	12.25	0.00	0.44
ELECTRIC PWR GRNDMAN	ALL	ALL		29.96	54.80	1.5	1.5	2	6.40	8.39	0.00	0.30
ELECTRIC PWR LINEMAN	ALL	ALL		48.61	54.80	1.5	1.5	2	6.96	13.61	0.00	0.49
ELECTRIC PWR TRK DRV	ALL	ALL		31.42	54.80	1.5	1.5	2	6.44	8.80	0.00	0.31
ELECTRICIAN	ALL	BLD		29.91	32.41	1.5	1.5	2	7.10	9.11	0.00	0.80
ELECTRONIC SYS TECH	ALL	BLD		28.00	30.00	1.5	1.5	2	7.10	11.44	0.00	0.40
ELEVATOR CONSTRUCTOR	ALL	BLD		43.43	48.86	2	2	2	15.28	15.71	3.47	0.60
GLAZIER	ALL	BLD		35.91	37.91	1.5	1.5	2	6.25	9.16	0.00	0.68
HT/FROST INSULATOR	ALL	BLD		38.42	39.42	1.5	1.5	2	9.65	12.11	3.90	0.64
IRON WORKER	ALL	ALL		26.00	28.25	1.5	1.5	2	7.93	13.66	0.00	0.51
LABORER	ALL	BLD		23.15	24.90	1.5	1.5	2	9.00	11.88	0.00	0.80
LABORER	ALL	HWY		27.75	29.25	1.5	1.5	2	9.00	13.47	0.00	0.80
LATHER	ALL	BLD		31.39	33.64	1.5	1.5	2	8.45	17.00	0.00	0.54
MACHINIST	ALL	BLD		45.35	47.85	1.5	1.5	2	7.26	8.95	1.85	0.00
MARBLE FINISHERS	ALL	BLD		30.48	30.48	1.5	1.5	2	8.57	8.58	0.00	0.10
MARBLE MASON	ALL	BLD		30.00	31.50	1.5	1.5	2	8.75	10.87	0.00	0.85
MILLWRIGHT	ALL	BLD		31.74	33.99	1.5	1.5	2	8.45	17.11	0.00	0.54

MILLWRIGHT	ALL	HWY		32.55	34.30	1.5	1.5	2	8.20	16.15	0.00	0.52
OPERATING ENGINEER	ALL	BLD	1	36.35	37.89	1.5	1.5	2	10.80	10.15	0.00	1.95
OPERATING ENGINEER	ALL	BLD	2	33.94	37.89	1.5	1.5	2	10.80	10.15	0.00	1.95
OPERATING ENGINEER	ALL	BLD	3	30.25	37.89	1.5	1.5	2	10.80	10.15	0.00	1.95
OPERATING ENGINEER	ALL	BLD	4	37.89	37.89	1.5	1.5	2	10.80	10.15	0.00	1.95
OPERATING ENGINEER	ALL	HWY	1	41.87	43.44	1.5	1.5	2	10.80	10.15	0.00	1.95
OPERATING ENGINEER	ALL	HWY	2	37.41	43.44	1.5	1.5	2	10.80	10.15	0.00	1.95
OPERATING ENGINEER	ALL	HWY	3	30.53	43.44	1.5	1.5	2	10.80	10.15	0.00	1.95
OPERATING ENGINEER	ALL	HWY	4	43.44	43.44	1.5	1.5	2	10.80	10.15	0.00	1.95
PAINTER	ALL	ALL		31.13	32.63	1.5	1.5	2	5.90	10.63	0.00	0.65
PAINTER OVER 30FT	ALL	ALL		32.13	33.63	1.5	1.5	2	5.90	10.63	0.00	0.65
PAINTER PWR EQMT	ALL	ALL		32.13	33.63	1.5	1.5	2	5.90	10.63	0.00	0.65
PILEDRIIVER	ALL	BLD		32.29	34.64	1.5	1.5	2	8.45	17.00	0.00	0.54
PILEDRIIVER	ALL	HWY		32.15	33.90	1.5	1.5	2	8.45	17.00	0.00	0.52
PIPEFITTER	ALL	ALL		39.20	43.12	1.5	1.5	2	7.00	14.24	0.00	1.25
PLASTERER	ALL	BLD		31.25	33.00	1.5	1.5	2	8.40	13.40	0.00	0.80
PLUMBER	ALL	ALL		39.20	43.12	1.5	1.5	2	7.00	14.24	0.00	1.25
ROOFER	ALL	BLD		30.00	32.50	1.5	1.5	2	10.40	8.70	0.00	0.53
SHEETMETAL WORKER	ALL	BLD		28.13	30.13	1.5	1.5	2	7.14	12.21	0.00	0.59
SPRINKLER FITTER	ALL	BLD		37.12	39.87	1.5	1.5	2	8.42	8.50	0.00	0.35
STONE MASON	ALL	BLD		30.00	31.50	1.5	1.5	2	8.75	10.87	0.00	0.85
TERRAZZO FINISHER	ALL	BLD		30.48	30.48	1.5	1.5	2	8.57	8.58	0.00	0.10
TERRAZZO MASON	ALL	BLD		31.98	31.98	1.5	1.5	2	8.57	8.58	0.00	0.10
TILE LAYER	ALL	BLD		29.10	31.35	1.5	1.5	2	7.35	12.50	0.00	0.42
TILE MASON	ALL	BLD		31.98	31.98	1.5	1.5	2	8.57	8.58	0.00	0.10
TRUCK DRIVER	ALL	ALL	1	36.26	40.15	1.5	1.5	2	12.16	6.10	0.00	0.25
TRUCK DRIVER	ALL	ALL	2	36.77	40.15	1.5	1.5	2	12.16	6.10	0.00	0.25
TRUCK DRIVER	ALL	ALL	3	37.05	40.15	1.5	1.5	2	12.16	6.10	0.00	0.25
TRUCK DRIVER	ALL	ALL	4	37.36	40.15	1.5	1.5	2	12.16	6.10	0.00	0.25
TRUCK DRIVER	ALL	ALL	5	38.35	40.15	1.5	1.5	2	12.16	6.10	0.00	0.25
TRUCK DRIVER	ALL	O&C	1	29.01	32.12	1.5	1.5	2	12.16	6.10	0.00	0.25

TRUCK DRIVER	ALL	O&C	2	29.42	32.12	1.5	1.5	2	12.16	6.10	0.00	0.25
TRUCK DRIVER	ALL	O&C	3	29.64	32.12	1.5	1.5	2	12.16	6.10	0.00	0.25
TRUCK DRIVER	ALL	O&C	4	29.89	32.12	1.5	1.5	2	12.16	6.10	0.00	0.25
TRUCK DRIVER	ALL	O&C	5	30.68	32.12	1.5	1.5	2	12.16	6.10	0.00	0.25
TUCKPOINTER	ALL	BLD		30.00	31.50	1.5	1.5	2	8.75	10.87	0.00	0.85

#### Legend

**M-F OT** Unless otherwise noted, OT pay is required for any hour greater than 8 worked each day, Mon through Fri. The number listed is the multiple of the base wage.

**OSA** Overtime pay required for every hour worked on Saturdays

**OSH** Overtime pay required for every hour worked on Sundays and Holidays

**H/W** Health/Welfare benefit

#### Explanations ADAMS COUNTY

The following list is considered as those days for which holiday rates of wages for work performed apply: New Years Day, Memorial Day, Fourth of July, Labor Day, Thanksgiving Day, Christmas Day and Veterans Day in some classifications/counties. Generally, any of these holidays which fall on a Sunday is celebrated on the following Monday. This then makes work performed on that Monday payable at the appropriate overtime rate for holiday pay. Common practice in a given local may alter certain days of celebration. If in doubt, please check with IDOL.

Oil and chip resealing (O&C) means the application of road oils and liquid asphalt to coat an existing road surface, followed by application of aggregate chips or gravel to coated surface, and subsequent rolling of material to seal the surface.

#### EXPLANATION OF CLASSES

**ASBESTOS - GENERAL** - removal of asbestos material/mold and hazardous materials from any place in a building, including mechanical systems where those mechanical systems are to be removed. This includes the removal of asbestos materials/mold and hazardous materials from ductwork or pipes in a building when the building is to be demolished at the time or at some close future date.

**ASBESTOS - MECHANICAL** - removal of asbestos material from mechanical systems, such as pipes, ducts, and boilers, where the mechanical systems are to remain.

**CERAMIC TILE FINISHER, MARBLE FINISHER, TERRAZZO FINISHER**

Assisting, helping or supporting the tile, marble and terrazzo mechanic by performing their historic and traditional work assignments required to complete the proper installation of the work covered by said crafts. The term "Ceramic" is used for naming the classification only and is in no way a limitation of the product handled. Ceramic takes into consideration most hard tiles.

#### ELECTRONIC SYSTEMS TECHNICIAN

Installation, service and maintenance of low-voltage systems which utilizes the transmission and/or transference of voice, sound, vision, or digital for commercial, education, security and entertainment purposes for the following: TV monitoring and surveillance, background/foreground music, intercom and telephone interconnect, field programming, inventory control systems, microwave transmission, multi-media, multiplex, radio page, school, intercom and sound burglar alarms and low voltage master clock systems.

Excluded from this classification are energy management systems, life safety systems, supervisory controls and data acquisition systems not intrinsic with the above listed systems, fire alarm systems, nurse call systems and raceways exceeding fifteen feet in length TRUCK DRIVER - BUILDING, HEAVY AND HIGHWAY CONSTRUCTION

Class 1. Drivers on 2 axle trucks hauling less than 9 ton. Air compressor and welding machines and brooms, including those pulled by separate units, truck driver helpers, warehouse employees, mechanic helpers, greasers and tiremen, pickup trucks when hauling materials, tools, or workers to and from and on-the-job site, and fork lifts up to 6,000 lb. capacity.

Class 2. Two or three axle trucks hauling more than 9 ton but hauling less than 16 ton. A-frame winch trucks, hydrolift trucks, vactor trucks or similar equipment when used for transportation purposes. Fork lifts over 6,000 lb. capacity, winch trucks, four axle combination units, and ticket writers.

Class 3. Two, three or four axle trucks hauling 16 ton or more. Drivers on water pulls, articulated dump trucks, mechanics and working forepersons, and dispatchers. Five axle or more combination units.

Class 4. Low Boy and Oil Distributors.

Class 5. Drivers who require special protective clothing while employed on hazardous waste work.

TRUCK DRIVER - OIL AND CHIP RESEALING ONLY.

This shall encompass laborers, workers and mechanics who drive contractor or subcontractor owned, leased, or hired pickup, dump, service, or oil distributor trucks. The work includes transporting materials and equipment (including but not limited to, oils, aggregate supplies, parts,

machinery and tools) to or from the job site; distributing oil or liquid asphalt and aggregate; stock piling material when in connection with the actual oil and chip contract. The Truck Driver (Oil & Chip Resealing) wage classification does not include supplier delivered materials.

#### OPERATING ENGINEERS - BUILDING

CLASS 1. Asphalt Screed Man; Aspcoc Concrete Spreaders; Asphalt Pavers; Asphalt Plant Engineer; Asphalt Rollers on Bituminous Concrete; Athey Loaders; Backfillers, Crane Type; Backhoes; Barber Green Loaders; Bulldozers; Cableways; Cherry Pickers; Clam Shells; C.M.I. & similar type autograde formless paver, autograde placer & finisher; Concrete Breakers; Concrete Pumps; Derricks; Derrick Boats; Draglines; Earth Auger or Boring Machines; Elevating Graders; Engineers on Dredges; Gravel Processing Machines; Head Equipment Greaser; High Lifts or Fork Lifts; Hoists with two or more drums or two or more load lines; Locomotives, All; Mechanics; Motor Graders or Auto Patrols; Operators or Leverman on Dredges; Operators, Power Boat; Operators, Pug Mill (Asphalt Plants); Orange Peels; Overhead Cranes; Paving Mixers; Piledrivers; Pipe Wrapping and Painting Machines; Pushdozers, or Push Cats; Robotic Controlled Equipment in this Classification; Rock Crushers; Ross Carrier or Similar Machines; Rotomill; Scoops, Skimmer, two cu. yd. capacity and under; Scoops, All or Tournapull; Sheep-Foot Roller (Self Propelled); Shovels; Skid Steer; Skimmer Scoops; Temporary Concrete Plant Operators; Test Hole Drilling Machines; Tower Machines; Tower Mixers; Track Type End Loaders; Track Type Fork Lifts or High Lifts; Track Jacks and Tampers; Tractors, Sideboom; Trenching or Ditching Machine; Tunnelluggers; Vermeer Type Saws; Water Blaster Cutting Head; Wheel Type End Loaders; Winch Cat.

CLASS 2. Air Compressors (six to eight)\*; Asphalt Boosters and Heaters; Asphalt Distributors; Asphalt Plant Fireman; Oiler on Two Paving Mixers When Used in Tandem; Boom or Winch Trucks; Bull Floats or Flexplanes; Concrete Finishing Machine; Concrete Saws, Self-Propelled; Concrete Spreading Machines; Conveyors (six to eight)\*; Generators (six to eight)\*; Gravel or Stone Spreader, Power Operated; Hoist (with One Drum and One Load Line); Light Plants (six to eight)\*; Mechanical Heaters (six to eight)\*; Mud Jacks; Post Hole Digger, Mechanical; Pug Mills when used for other than Asphalt operation; Robotic Controlled Equipment in this Classification; Road or Street Sweeper, Self Propelled; Rollers (except bituminous concrete); Seaman Tiller; Straw Machine; Vibratory Compactor; Water Blaster, Power Unit; Welding Machines (six to eight)\*; Well Drill Machines.

CLASS 3. Air Compressors(one to five)\*; Air Compressors, Track or Self-Propelled; Automatic Hoist; Building Elevators; Bulk Cement Batching Plants; Conveyors (one to five)\*; Concrete Mixers (Except Plant, Paver, or Tower); Firemen; Generators (one to five)\*; Greasers; Helper on Single Paving Mixer; Hoist, Automatic; Light Plants (one to five)\*; Mechanic Helpers; Mechanical Heaters (one to five)\*; Oilers; Power Form Graders; Power Sub-Graders; Robotic Controlled Equipment in this Classification; Scissors Hoist; Tractors without power attachments regardless of size or type; Truck Crane Oiler and Driver (1 man); Vibratory Hammer (power source); Water Pumps (one to five)\*; Welding Machines (1/300 Amp. or over)\*; Welding machines (one to five)\*

CLASS 4. Lattice Boom Crawler Cranes; Lattice Boom Truck Cranes; Telescopic Truck-Mounted Cranes; Tower Cranes.

\* Combinations of one to eight of any Air Compressors, Conveyors, Welding Machines, Water Pumps, Light Plants, or Generators shall be in batteries or within 400 feet and shall be paid as per the Classification Schedule contained in this Article.

#### OPERATING ENGINEERS - HIGHWAY

CLASS 1. Asphalt Screed Man; Asphco Concrete Spreaders; Asphalt Pavers; Asphalt Plant Engineer; Asphalt Rollers on Bituminous Concrete; Athey Loaders; Backhoes; Barber Green Loaders; Bulldozers; Cableways; Carry Deck Pickers; Cherry Pickers (Rough Terrain); C.M.I. & similar type-autograde formless paver, autograde placer & finisher; Concrete Breakers; Concrete Plant Operators; Concrete Pumps; Derricks; Derrick Boats; Dewatering Systems; Earth Auger or Boring Machines; Elevating Graders; Engineers on Dredges; Gravel Processing Machines; Grout Pump; Head Equipment Greaser; High Lifts or Fork Lifts; Hoists with two or more drums or two or more load lines; Hydro Jet or Hydro Laser; Locomotives, All; Mechanics; Motor Graders or Auto Patrols; Multi-Point Power Lifting Equipment; Operators or Leverman on Dredges; Operators, Power Boat; Operators, Pug Mill (Asphalt Plants); Overhead Cranes; Paving Mixers; Piledrivers; Pipe Wrapping and Painting Machines; Push-doers, or Push Cats; Robotic Controlled Equipment in this Classification; Rock Crushers; Ross Carrier or Similar Machines; Roto-Mill; Scoops, Skimmer, two cu. yd. capacity and under; Sheep-Foot Roller (Self Pro-pelled); Shovels; Skid Steer; Skimmer Scoops; Test Hole Drilling Machines; Tower Machines; Tower Mixers; Track Type End Loaders; Track Type Fork Lifts or High Lifts; Track Jacks and Tampers; Tractors, Side-boom; Trenching or Ditching Machine; Tunnelluggers; Vermeer-Type Saws; Wheel Type End Loaders; Winch Cat; Scoops, All or Tournapull.

CLASS 2. Air Compressors (six to eight)\*; Articulated Dumps; Asphalt Boosters and Heaters; Asphalt Distributors; Asphalt Plant Fireman; Boom or Winch Trucks; Building Elevators; Bull Floats or Flexplanes; Concrete Finishing Machine; Concrete Saws, Self-Propelled; Concrete Spreading Machines; Conveyors (six to eight)\*; Generators (six to eight)\*; Gravel or Stone Spreader, Power Operated; Hoist, Automatic; Hoist with One Drum and One Load Line; Light Plants (six to eight)\*; Mechanical Heaters (six to eight)\*; Mud Jacks; Off Road Water Wagons; Oiler on Two Paving Mixers When Used in Tandem; Post Hole Digger, Mechanical; Robotic Controlled Equipment in This Classification; Road or Street Sweeper, Self-Propelled; Rollers (except bituminous concrete); Scissor Hoist; Sea-man Tiller; Straw Machine; Vibratory Compactor; Water Pumps (six to eight)\*; Well Drill Machines.

CLASS 3. Air Compressors (one to five)\*; Air Compressors, Track or Self-Propelled; Bulk Cement Batching Plants; Conveyors (one to five)\*; Concrete Mixers (Except Plant, Paver, or Tower); Firemen; Generators (one to five)\*; Greasers; Helper on Single Paving Mixer; Light Plants (one to five)\*; Mechanic Helpers; Mechanical Heaters (one to five)\*; Oilers; Power Form Graders; Power Sub-Graders; Pug Mills when used for other than Asphalt operation; Robotic Controlled Equipment in This Classification; Tractors without power attachments, regardless of size or type; Truck Crane Oiler and Driver (1 man); Vibratory Hammer (power source); Water Pumps (one to five)\*; Welding Machines (one 300 Amp. or over)\*; Welding Machines (one to five)\*.

CLASS 4. Lattice Boom Crawler Crane; Lattice Boom Truck Crane; Telescopic Truck-Mounted Crane; Tower Crane.

\*Combinations of one to eight of any Air Compressors, Conveyors, Welding Machines, Water Pumps, Light Plants or Generators shall be in batteries or within 400 feet and shall be paid as per the Classification Schedule contained in this Article.

#### Other Classifications of Work:

For definitions of classifications not otherwise set out, the Department generally has on file such definitions which are available. If a task to be performed is not subject to one of the classifications of pay set out, the Department will upon being contacted state which neighboring county has such a classification and provide such rate, such rate being deemed to exist by reference in this document. If no neighboring county rate applies to the task, the Department shall undertake a special determination, such special determination being then deemed to have existed under this determination. If a project requires these, or any classification not listed, please contact IDOL at 217-782-1710 for wage rates or clarifications.

#### LANDSCAPING

Landscaping work falls under the existing classifications for laborer, operating engineer and truck driver. The work performed by landscape plantsman and landscape laborer is covered by the existing classification of laborer. The work performed by landscape operators (regardless of equipment used or its size) is covered by the classifications of operating engineer. The work performed by landscape truck drivers (regardless of size of truck driven) is covered by the classifications of truck driver.



**DIVISION 1 - GENERAL REQUIREMENTS**  
**01 11 00 – Project Summary**

1. **STANDARD DOCUMENTS FOR CONSTRUCTION:** CDB's March 2009 edition of the Standard Documents for Construction (SDC) and the Supplement to Standard Documents for Construction (Section 01 11 01) shall apply to this project.

2. **GENERAL PROJECT INFORMATION: PHASE TWO**

**A. DESCRIPTION: Base Bid work will include:**

1. Repairing and replacing sidewalks, ramps, railings, landings, porch and terrace areas on Somerville. Other exterior repairs and painting of railings, guardrails, site lighting, and backfilling of earth, soil stabilization, and seeding of yard areas around the buildings to insure a positive slope and surface drainage away from the exterior perimeter building walls on both the Somerville and Anderson buildings. IAC and ADA model code compliance is addressed with exterior ingress and egress elements on the site, as shown on the Project Drawings, and as specified in the appropriate specification sections.

**B. EXISTING CONDITIONS:**

1. Work will take place at an occupied facility. The existing facility is located on the west side of the main building campus on the grounds of the Illinois Veterans Home, 1707 North 12<sup>th</sup> Street, in Quincy, Adams County, Illinois.
2. Exterior existing paint in this project on the portico (porches), fascias, wood Trim, and soffits on both the Somerville and Anderson buildings has been determined to contain lead as indicated in the documents. Any work which will disturb the paint on these areas shall comply with OSHA 1926.62 "Lead Construction Standard" and EPA disposal regulations including TCLP testing, when required.

**C. SPECIAL CONDITIONS:**

Exterior: These grounds contain selected architecturally significant buildings and underground heating (steam) tunnels exist throughout the site.. Due to these concerns, great care shall be taken regarding all operations in, on, and around the subject buildings, including staging, equipment operation, material storage, and all personnel and equipment circulation around the buildings. Additional staging and storage on the site shall be approved by and will be per the directions of the Using Agency.

**D. RELATED WORK**

1. Work by the General Contractor that will be directed by the Using Agency: Moving and relocation of furnishings, fixtures, and equipment, Etc., for areas at or near renovated areas in, on , or around the buildings.

3. **CONTRACT TIME:** Refer to Articles 00 72 10 and 01 32 00 of the Standard Documents for Construction.

- A. The General Contractor shall complete all work through Substantial Completion in accord with the contract within 120 consecutive calendar days from the date of the Authorization to Proceed and shall complete all remaining work in accord with the contract (Final Acceptance) within 60 consecutive calendar days from the date of Substantial Completion.

4. **CONTRACT(S).** Construct project under single General contract. All work shown on the bidding documents is the responsibility of the contractor, regardless of the trade or specialty involved.
5. **PRE-BID CONFERENCE.** The pre-bid meeting will be as indicated in 00 11 13. Bidders are strongly urged to attend this meeting. See SDC 00 21 10 and 00 25 00.
6. **CONSTRUCTION ADMINISTRATION FEE:** A construction administration fee (CAF) is applicable to each contract in accordance with Article 00 21 40 of the Standard Documents for Construction:  
  
Each trade will be assessed three percent (3%) of their awarded contract (base bid plus any awarded alternates). The assessed amount will be included in the Notice of Award Letter. Bidders shall include an allowance for the CAF assessment in their bid.
7. **BID SECURITY:** Bid security must be submitted with each bid equal to 10% of the base bid and must be in the form of a CDB bid bond, certified check, cashier's check or bank draft. Refer to Article 00 43 13 of the Standard Documents for Construction.
8. **BUILDERS RISK INSURANCE, DESIGNATED PURCHASER.** General contractor shall purchase and maintain builder's risk insurance in accord with Article 00 73 19 of the Standard Documents for Construction.
9. **PROCUREMENT OF DOMESTIC PRODUCTS ACT.**
  - A. The Procurement of Domestic Products Act, 30 ILCS 517/30, requires each purchasing agency making purchases of procured products to promote the purchase of and give preference to manufactured articles, materials, and supplies that have been manufactured in the United States.
  - B. "Manufactured in the United States" means, in the case of assembled articles, materials, or supplies, that design, final assembly, processing, packaging, testing, or other process that adds value, quality, or reliability occurs in the United States.
  - C. As the A/E of Record, our determination is the promotion and preferences required are being applied to this project. Bidders may request preference on document 00 41 00 – Bid Form.
10. **DURATION OF BIDS:** The bidders shall hold their bids open for ninety (60) calendar days after the bid opening in lieu of the sixty (60) calendar days required by Para. 00 51 10.3 of the Standard Documents for Construction.
11. **VALUE MANAGEMENT.** The value management program is applicable to this project.

END 01 11 00

DIVISION 1 - GENERAL REQUIREMENTS  
**01 11 01 – Supplement to SDC and SDC-CM**

The Standard Documents for Construction and Standard Documents for Construction for Projects with a Construction Manager are hereby changed. The following articles replace those in the 2006 and 2009 editions. All other articles remain applicable. **General revision: any reference to “Female Business Enterprise (FBE)” shall mean “Women Business Enterprise (WBE).”**

**00 21 05 PREQUALIFICATION**

**.7 Single Prime Delivery Method Projects.** The protected subcontractors, as identified on Document 00 41 00 bid form, shall be prequalified with CDB under the same requirements listed in 00 21 05 .1 -.6 for the bidder.

**00 21 50 WORK WITH OWN STAFF**

**.1 General.** For Single Prime Delivery Method Projects: The Prime Bidding Contractor and the designated protected subcontractors shall perform the work at the site employing not less than the following amount of its own forces. For purposes of this Article, the work includes direct labor and supervision, as well as material purchases where the material is installed by the Prime Bidding Contractor/Protected Subcontractors.

A. When General Trade is the Prime Bidding Trade: The General trade shall perform 20% of the following amount: total value of awarded amount less total value of designated protected trade work identified on the bid form, and less the cost of CAF, insurance and bonds.

Each designated protected trade work: 40% of the value of the respective designated protected trade work identified on the bid form.

B. When a trade other than the General is the Prime Bidding Trade: the Prime Bidding Trade shall do 40% of the following amount: total value of awarded amount less total value of designated protected trade work identified on the bid form, and less the cost of CAF, insurance and bonds. Each designated protected trade work: 20% of the value of the General Trade work, and 40% of the value of the remaining respective designated protected trade work identified on the bid form.

**.2 Subcontractors and Suppliers**

C. **Subcontract/Supplier Disclosure.** The Contractor shall submit with his/her bid the names and CDB issued identification (ID) numbers (prequalification ID number or registration ID number), if known, of all first tier subcontractors and suppliers with a subcontract value greater than \$50,000 to be utilized by the Contractor in the performance of this contract and any lower tier subcontractor/supplier with a subcontract value greater than \$50,000 and where the subcontractor/supplier is either named in the specifications or is one over whom the Contractor retains the right to approve and/or make payments for work. The subcontract shall include reference for compliance with Illinois Procurement Code 30 ILCS 500/20-120. Financial and Conflict of Interest disclosures and standard certifications for each

subcontractor over \$50,000 must be submitted to CDB by the contractor within 20 days of the execution of a contract with CDB or 20 days of the execution of the subcontract, whichever is later. The Contractor shall promptly notify the State in writing of any additional or substitute subcontractors meeting the above criteria hired during the term of this contract (names, addresses, expected contract amount and CDB ID nos.). Upon request by the CPO, the Contractor shall provide CDB a copy of each subcontractor's subcontract. No work can be performed by these subcontractors until the Certifications and Disclosures have been reviewed and approved by the State Purchasing Officer.

## **00 21 55 USE OF ILLINOIS LABOR**

- .1 30 ILCS 570 mandates that during a period of excessive unemployment at least 90% of the total labor hours on State construction projects must be performed by persons who have resided in Illinois for at least thirty (30) days and intend to become or remain Illinois residents. (30 ILCS 570/3). 'A period of excessive unemployment' means any month immediately following 2 consecutive calendar months during which the level of unemployment in the State of Illinois has exceeded 5% as measured by the United States Bureau of Labor Statistics in its monthly publication of employment and unemployment figures. (30 ILCS 570/1).
- .2 Contractors are required to incorporate the above provisions into all subcontracts for subcontractors who will have workers at the project site.
- .3 To verify that this requirement is being met, contractors must submit Certified Payroll forms for themselves and their subcontractors each month for the duration of the contract/subcontract.
  - A. The Certified Payroll form(s) must include the name and address of each worker on the project site during the time period covered by the form.
  - B. For subcontractors, the contractor will include the beginning and ending dates of the subcontract on the Certified Payroll form.
  - C. If Certified Payroll forms are not submitted timely, payment may be reduced or withheld until Certified Payroll submittals are brought up to date.

## **00 43 30 BUY ILLINOIS PROGRAM**

- .1 **General.** The Buy Illinois Program encourages contractors to incorporate products manufactured, fabricated or assembled in the State of Illinois. It is a voluntary program; there is no incentive provision affecting the award of the contract nor is there a required percent of the contract that must be Illinois products.
- .2 Illinois products will be indicated in the project manual with (IL) preceding the item in the specification paragraph. Typically, only specifications that are prescriptive, those listing three or more manufacturers, will be in the program. Contractors should consider these products when procuring the materials and equipment for the project. If the contractor is aware of an Illinois product not listed, the contractor is encouraged to advise the A/E prior to bidding or offer a product substitution with the bid. CDB will verify that the product meets the definition of an Illinois product and add it to CDB's Buy Illinois product directory.
- .3 Contractors should provide the total value of Illinois products on the Contractor's Schedule of Values (CSV) in the space provided. The individual items included in the total should be identified by putting "IL" in front of their descriptions on the CSV.
- .4 Where material is specified by standards and/codes and not by a list of acceptable manufacturers, contractors are still encouraged to purchase Illinois products. However, the contractor should not include these materials in the computation of the total dollars for Illinois products on the CSV.

## **00 43 39 MINORITY, FEMALE, AND VETERAN BUSINESS ENTERPRISE PARTICIPATION**

- .1 Certification.** CDB will only accept Minority and Female and Veteran Business Enterprise (MBE/FBE/VBE) firms certified by the Illinois Department of Central Management Services (CMS) as a MBE or FBE or VBE. The MBE/FBE/VBE's certification/or recognition with CMS shall be in good standing prior to the bid opening date.
- .2 Designated Projects.** CDB may designate projects with "MBE/FBE/VBE participation goals." See the bid form, Section 00 41 05 of the project manual, for applicable goals for first and second tier (level) subcontractors and supplier MBE/FBE/VBE participation. For Single Prime Delivery Method Projects: participation of certified MBE/FBE second level subcontractors and suppliers is permissible for meeting applicable goals.
- .3 Bid Form.** Each bidder shall name, on the bid form provided, the minority, female, and veteran owned businesses it intends to use to meet the specified goals. If the specified goals are not met, within 10 (ten) calendar days of the bid opening the bidder shall: (1) cure the deficiency in the bid by adding participation to meet the goals, or (2) request a waiver of the specified goals including documentation of its good faith efforts to achieve the goals.
- .4 MBE/FBE/VBE Bidder.** If the bidder is a minority or female or veteran owned business then indicate the work proposed to be done with own forces on the 00 41 05 Form. CDB encourages MBE/FBE/VBE prime bidders to use MBE/FBE/VBE subcontractors/suppliers.
- .5 Joint Venture.** If the bidder is a joint venture, the MBE/FBE/VBE joint venturer may be used to meet the MBE/FBE/VBE goal for the contract, consistent with the provisions of subsection .11(g).
- .6 Subcontracts.** Subcontracting of work to a lower tier non-MBE/FBE/VBE firm which would reduce the proceeds received by the subcontracting MBE/FBE/VBE firm below the specified goal is prohibited. CDB may, in such cases, reject the bid or terminate the contract. Refer to Paragraph 00 51 20.2.A).
- .7 Request for Assistance.** If the bidder needs assistance in locating subcontractors or suppliers to meet the goals, bidder shall contact CDB's Fair Employment Practices Division both prior to the submittal of the bid, and, if applicable, during the 10-day cure period.
- .8 Submittal of Good Faith Effort documentation or waiver request. Include with the package:**
  - A. All information indicating why the specified goal cannot be met.
  - B. A list of all MBE/FBE/VBE firms contacted and the dates they were contacted, including documentation from those firms.
  - C. Copies of all bid solicitation letters to MBE/FBE/VBE firms. Letters shall contain, at a minimum:
    - 1) project title and location;
    - 2) classification of work items for which quotations are requested;
    - 3) date, time, and place quotations are due; and
    - 4) returnable acknowledgment of the solicitation.
  - D. Evidence, such as a log of telephone contact including time and date of call, telephone number, and name of the person called; written correspondence; and quotes from solicited firms.
  - E. All other evidence of good faith efforts made by the bidder to secure eligible MBE/FBE/VBE

firms to meet the specified goal. Evidence may include documentation that states the following:

- 1) A reasonable number of MBE/FBE/VBE firms were contacted.
  - 2) The work selected by the bidder for allocation to MBE/FBE/VBE firms was selected in order to increase the likelihood of achieving the specified goal.
  - 3) The bidder negotiated, in good faith, with the potential MBE/FBE/VBE firms by not imposing any conditions which are not similarly imposed on all other subcontractors and suppliers, or by denying benefits ordinarily conferred on subcontractors or suppliers for the type of work for which bids were solicited.
  - 4) The services of the referral agencies were used by the bidder in efforts to achieve the specified goal.
  - 5) The bidder attended the CDB pre-bid meeting for the project.
- F. Mathematical errors should be addressed by providing a detailed rationale and evidence, such as quotes, notes, and spreadsheets that explains and justifies the mathematical error.
- G. All actions taken to solicit MBE/FBE/VBE firms both pre-bid opening date and post-bid opening date.
- H. A revised 00 41 05 form, if MBE/FBE/VBE participation increases during the 10 day cure period but goals are not met.
- I. Other relevant information in support of the waiver request.

**.9 Replacement of MBE/FBE/VBE Subcontractor or Supplier.** If it can be demonstrated that the MBE/FBE/VBE subcontractor or supplier cannot perform the work, or if a MBE/FBE/VBE loses its CMS certification or recognition after the bid opening, then the Contractor shall make a good faith effort to replace, in-kind, the MBE/FBE/VBE. The contractor shall identify the replacement MBE/FBE/VBE or provide evidence of good faith effort to find a replacement on the Contractor's letterhead and submit with documented evidence of cause to CDB's Fair Employment Practices Division. CDB will review the submittal and may authorize the replacement or approve the good faith effort.

**.10 Calculation of MBE/FBE/VBE Participation as a Material Supplier or Subcontractor**

- A. MBE/FBE/VBE as a material supplier: A 100 percent goal credit is allowed for the cost of materials or purchases from a MBE/FBE/VBE manufacturer or supplier.
- B. MBE/FBE/VBE as a subcontractor: A 100 percent goal credit is allowed for the work of the subcontract performed by the MBE/FBE/VBE's own forces (performing, managing and supervising the work), including the cost of materials and supplies, excluding the purchase of materials and supplies or the lease of equipment by the MBE/FBE/VBE subcontractor from the prime Contractor or its affiliates. Work that a MBE/FBE/VBE subcontractor in turn subcontracts to a non-MBE/FBE/VBE does not count toward the MBE/FBE/VBE goal.

**.11 Work to be Completed by Firm Certified with BEC/CMS.** To be credited towards goals for Minority Business Enterprise (MBE), Female Business Enterprise (FBE), and Veteran Business Enterprise (VBE) participation, work must be performed by an entity certified by the Business Enterprise Council for Minorities, Females and Persons with Disabilities ("BEC") as administered by the Illinois Department of Central Management Services (CMS) as an MBE, FBE, or VBE firm pursuant to the Business Enterprise for Minorities, Females, and Persons with Disabilities Act (30 ILCS 575/5) and the Illinois Procurement Code (30 ILCS 500/45-57).

- a) The entire amount of contractual work performed by a MBE, FBE, or VBE's own forces will be credited towards MBE/FBE/VBE goals, including the cost of supplies, materials, and equipment obtained by the MBE, FBE, or VBE for this work (except supplies and equipment the MBE/FBE/VBE obtains from the prime contractor or its

affiliate).

- b) The entire amount of fees or commissions charged by a MBE/FBE/VBE firm for providing a bona fide service, such as professional, technical, consultant, or managerial services will be credited towards MBE/FBE/VBE goals provided such fees are reasonable and not excessive as compared to fees customarily allowed for similar services. Services for materials and supplies are defined in Section 00 43 39.14 and are not considered to be professional, technical, consultant, or managerial services.
- c) Work subcontracted by a MBE/FBE/VBE to another firm will not be credited towards goals unless the subcontractor performing the work is also certified by BEC/CMS as a MBE/FBE/VBE. Work that a MBE/FBE/VBE subcontracts to a firm not certified as a MBE/FBE/VBE does not count toward the goal. For example, if a MBE firm has a subcontract to perform \$100,000 worth of work and subcontracts \$10,000 of that work to a non-MBE firm, only the \$90,000 worth of work performed by the MBE firm will be credited toward the goal.
- d) If a firm is not currently certified as a MBE/FBE/VBE at the time of the execution of the contract, the firm's participation will not be counted toward any goals.
- e) The dollar value of work performed under a contract with a firm after it has ceased to be certified will not be counted toward the overall goal.
- f) The participation of a MBE/FBE/VBE subcontractor will not be counted toward a Contractor's final compliance with its MBE/FBE/VBE obligations on a contract until the amount being counted has actually been paid to the MBE/FBE/VBE.
- g) When a MBE/FBE/VBE performs as a participant in a joint venture, a portion of the total dollar value of the contract equal to the distinct, clearly defined portion of the work of the contract that the MBE/FBE/VBE performs with its own forces may be counted toward MBE/FBE/VBE goals.

**.12 Commercially Useful Function.** Expenditures to a MBE/FBE/VBE will only be credited towards MBE/FBE/VBE goals if the MBE/FBE/VBE performs a commercially useful function on that contract. A MBE/FBE/VBE performs a commercially useful function when it is responsible for execution of the work of the contract and is carrying out its responsibilities by actually performing, managing, and supervising the work involved. To perform a commercially useful function, the MBE/FBE/VBE must also be responsible, with respect to materials and supplies used on the contract, for negotiating price, determining quality and quantity, ordering material, and installing (where applicable) and paying for the material itself.

- a) Factors to be used in determining whether a MBE/FBE/VBE is performing a commercially useful function include, but are not limited to, the amount of the work subcontracted, industry practices, and whether the amount the firm is paid is commensurate with the work it is performing and the MBE/FBE/VBE credit claimed for its performance of the work.
- b) A MBE/FBE/VBE does not perform a commercially useful function if its role is limited to that of an extra participant in a transaction, contract, or project through which funds are passed in order to obtain the appearance of MBE/FBE/VBE participation. In determining whether a MBE/FBE/VBE is such an extra participant, similar transactions, particularly those in which MBE/FBE/VBEs do not participate, will be examined.
- c) If a MBE/FBE/VBE does not perform at least 30 percent of the total cost of its contract with its own work force, or the MBE/FBE/VBE subcontracts a greater portion of the work than would be expected on the basis of normal industry practice

for the type of work involved, a presumption will arise that the MBE/FBE/VBE is not performing a commercially useful function. A MBE/FBE/VBE firm may present evidence to CDB to rebut this presumption. The MBE/FBE/VBE must provide such evidence to rebut the presumption within 7 business days of being notified that the presumption will be applied.

- d) A prime contractor that is a MBE/FBE/VBE will still be required to meet the goals required on the contract. In determining whether the MBE/FBE/VBE prime contractor has met the goal, the work the MBE/FBE/VBE prime contractor actually performs with its own forces will be credited, as well as work performed by MBE/FBE/VBE subcontractors or suppliers, consistent with the terms of Section 00 43 39. The presumption in .12(c) above will not attach if the MBE/FBE/VBE is the prime contractor and satisfies the "Work With Own Staff" requirement in Section 00 21 50.
- e) A bidder's efforts to exercise Good Faith Efforts by providing assistance in advance of the bid to a MBE/FBE/VBE firm in making purchases, obtaining bonding, obtaining credit, or providing equipment will not invalidate the commercially useful function of a MBE/FBE/VBE, provided that the MBE/FBE/VBE has otherwise performed a commercially useful function consistent with the terms of Section 00 43 39. Credit will only be given for work performed by, purchases made by, and equipment obtained by the MBE/FBE/VBE, consistent with the terms of Section 00 43 39. A bidder's efforts to assist the MBE/FBE/VBE will not be credited.

**.13 Trucking Company.** To be credited towards MBE/FBE/VBE goals, a trucking company or major construction equipment rental (MCER) must be responsible for the management and supervision of the entire trucking operation for which it is responsible on a particular contract, and there cannot be a contrived arrangement for the purpose of meeting MBE/FBE/VBE goals.

- a) The MBE/FBE/VBE must itself own and operate at least one fully licensed, insured, and operational truck or major construction equipment unit (MCEU) used on the contract.
- b) The entire value of transportation services a MBE/FBE/VBE provides on the contract using trucks or MCEUs it owns, insures, and operates using drivers it employs will be credited towards MBE/FBE/VBE goals.
- c) If a MBE/FBE/VBE leases trucks or MCEUs from another MBE/FBE/VBE, the entire value of the services provided by the lessee will be credited.
- d) If a MBE/FBE/VBE leases trucks or MCEUs from a company that is not a MBE/FBE/VBE, the total value of transportation services provided by the lessee is not to exceed the value of transportation services provided by MBE/FBE/VBE owned trucks or MCEUs on the contract.
- e) For purposes of this section, a lease must indicate that the MBE/FBE/VBE has exclusive use of and control over the truck(s) or MCEU(s). This does not preclude the leased truck from working for others during the term of the lease with the consent of the MBE/FBE/VBE, so long as the lease gives the MBE/FBE/VBE absolute priority for the leased truck(s) or MCEU(s). Leased trucks and MCEUs must display the name and identification number of the MBE/FBE/VBE.
- f) The MBE/FBE/VBE must be responsible for the management and supervision of the entire trucking operation for which it is responsible on a particular contract, and there cannot be a contrived arrangement for the purpose of meeting MBE/FBE/VBE goals.

#### **.14 Materials and Supplies**



- a) Credit towards goals will be given for materials purchased from a MBE/FBE/VBE supplier or manufacturer that is certified as such with BEC/CMS.
- b) For purposes of this section, a manufacturer is a firm that operates and maintains a factory or establishment that produces, on the premises, the materials, supplies, articles, or equipment required under the contract and of the general character described in the specifications.
- c) For the purposes of this section, a supplier is a firm that owns, operates, or maintains a store, warehouse, or other establishment in which materials, supplies, articles or equipment of the general character described by the specifications and required under the contract are bought, kept in stock, and regularly sold or leased to the public in the usual course of business.
  - 1) A supplier must be an established, regular business that engages as its principal business and under its own name, in the purchase and sale or lease of the products in question.
  - 2) A person may be a supplier in such bulk items as steel, cement, gravel, stone, petroleum products, or asphalt without owning, operating, or maintaining a place of business as provided in this paragraph c if the person both owns and operated distribution equipment for the products. Any supplementing of a supplier's own distribution equipment shall be by a long-term lease agreement and not on an ad hoc or contract-by-contract basis.
  - 3) Brokers, packagers, manufacturers' representatives, or other persons who arrange or expedite transactions are not suppliers within the meaning of this section.

## **00 45 00 CERTIFICATIONS OF COMPLIANCE WITH APPLICABLE LAWS**

**.14 Recertification.** If the contract extends over multiple years, vendor (A/E or Contractor) and its subcontractors will sign and submit to CDB Contracts the required Compliance Form (available in the Reference Library on CDB's website: [www.illinois.gov/cdb](http://www.illinois.gov/cdb)) by April 1 of each subsequent year after the contract is signed. Failure to do so may result in voiding the contract by operation of law or rendering the contract voidable at the option of the State without additional compensation. Violations of certain provisions may also be deemed a civil or criminal offense.

## **00 51 20 ACCEPTANCE AND REJECTION OF BIDS**

- .1 CDB's Rights.** When, in its opinion, it is in the best interest of the state, CDB reserves the right to:
  - A. Accept any bid
  - B. Reject any or all bids
  - C. Waive technical deficiencies and irregularities
  - D. Allow bidder to remedy technical deficiencies or irregularities within a stated time
  - E. Rescind any notice of award if CDB determines the notice of award was issued in error
  - F. Rescind any notice of award when it is in the best interest of the state
  - G. Rebid any contract

## **.2 Bid Rejection.**

A. Bids will be rejected for the following material deficiencies:

- 1) Failure to be prequalified with CDB no later than the close of business the day before the bid opening (Article 00 21 05) or being determined non-responsible after bid opening.
- 2) Submission of a bid late (Paragraph 00 51 10.1).
- 3) Failure to submit bid and/or bid modifications to appropriate bid opening office.
- 4) Submission of a bid in a manner that reveals the bid price prior to the bid opening (example: by fax). (Paragraph 00 42 10.4).
- 5) Use of a bid envelope, which is received by CDB unsealed, or marked in a manner that does not reasonably identify the project and/or contract for which it is intended (Paragraph 00 42 10.3).
- 6) Omission of a base bid price, alternate bid price or unit price (Paragraph 00 42 10.1).
- 7) Submission of a bid price that cannot be determined.
- 8) Deletion of original signatures to the extent that an intent to be bound by the bid is not apparent.
- 9) When CDB does not accept the unit price(s), when those prices are an integral part of the base bid, the bidder shall be rejected.
- 10) Failure to attend a mandatory pre-bid meeting.
- 11) Bids not in substantial conformance with the bidding documents and whose non-conformance is determined to be material and unresponsive.
- 12) Failure to submit Bidder Disclosure(s) form and Certifications with bid, when the bidder is not registered with the Illinois Procurement Gateway (IPG).
- 13) Failure to be registered with the State Board of Elections, prior to bid opening date, when applicable.
- 14) Failure to submit Disclosure of Business Operations with Government of Iran form in accord with 30 ILCS 500/50-36.
- 15) Any other material deficiency specifically identified in the project bid documents.
- 16) For Single Prime Contract Bids (as defined by 30 ILCS 500/30-30(a)): failure to provide names and bid proposal costs for required protected subcontractor trades or providing more than one protected subcontractor for each trade.
- 17) For Single Prime Contract Bids: failure of identified protected subcontractor to be properly prequalified with CDB, licensed and certified, at the time of bidding, to perform the identified trade.

B. Failure to remedy the following technical deficiencies with seven (7) calendar days after the bid opening shall result in rejection of the bid. These technical deficiencies are:

- 1) Failure to use a revised bid form when bid forms have been changed by addenda.
  - 2) Failure to acknowledge an addendum, however adjustment of the bid amount will not be allowed.
  - 3) Failure to provide USDOL Apprenticeship and Training Certification for bidder and all known subcontractors.
  - 4) Failure to submit bidder's Certificate of Registration in an approved apprenticeship and training program.
  - 5) Failure to supply subcontractor and/or supplier names and Taxpayer Identification Numbers as required on Document 00 41 01.
  - 6) Submission of a bid bond not on CDB's form (Paragraphs 00 43 13.1 and 00 43 13.2).
  - 7) Submission of a bid security in a form other than a bid bond, certified check, cashier's check or bank draft (Paragraph 00 43 13.1).
  - 8) Omission of the signature of the officer of the surety or any other required signatures except the signature in Paragraph 00 51 20.2.A.8), submission of those signatures in pencil or submission of a non-original signature.
  - 9) Replacement of a bid security from an unacceptable surety with one from a surety acceptable to CDB (Paragraph 00 43 13.4).
  - 10) Failure to furnish and/or complete the DHR PC-2 form.
  - 11) Failure to submit a signed affidavit stating that the bidder will maintain an Illinois office as the primary place of employment for persons employed in the construction authorized by the contract.
  - 12) Failure to submit Certificate of Registration with State Board of Elections in accord with 30 ILCS 500/20-160.
  - 13) Any other technical deficiency specifically identified in the project bid documents.
- C. MBE/FBE/VBE goal compliance deficiencies. Failure to remedy the following deficiencies within ten (10) calendar days after bid opening shall result in rejection of the bid. These deficiencies are:
- 1) When applicable, failure to submit a revised 00 41 05 form, documenting achievement of goals.
  - 2) When applicable, failure to submit documentation acceptable by CDB of good faith efforts to meet minority/female/veteran goals.
- D. CDB at its sole discretion and without conferring any rights on any bidder may waive bid technical deficiencies or irregularities that are not in conformance with the bidding documents but whose non-conformance is non-material or minor.
- E. Submittal of conditions or qualifying statements contrary to CDB's contract terms is not acceptable and, unless rescinded, the bid shall be rejected.

## 00 51 28 MBE/FBE/VBE BUSINESS CERTIFICATION, POST AWARD REQUIREMENTS

- .1 **Post-Award submittal.** See Article 00 51 40. The contract awardee shall submit CDB's MBE/FBE/VBE Subcontractor Supplier Certification form, Document 00665 (available in the Reference Library on CDB's website), for each of the MBE/FBE/VBE subcontractor(s) and/or supplier(s) being utilized to meet the designated participation goals as specified on the bid form and in Section 01 11 00 of the project manual. The form must be signed by the MBE/FBE/VBE subcontractor or supplier and shall be submitted to CDB's FEP section.

Completion of the 00665 form is not required if the Contractor is an MBE or FBE or VBE firm. MBE/FBE/VBE prime contractors are encouraged to utilize MBE/FBE/VBE subcontractors/suppliers. If goals are split (separate MBE and FBE and VBE goals), then an MBE or FBE or VBE firm must supply 00665 forms for the subcontractor firm(s) utilized to meet the FBE or MBE or VBE goal, respectively.

- .2 **Listed Firms.** The 00665 certification form shall be completed and submitted for each MBE/FBE/VBE firm listed on the 00 41 05 bid form.
- .3 **Compliance.** The MBE/FBE/VBE participation goal dollar value is based upon the total contract sum (including awarded alternates). The participation goal percentage amount(s) shall meet or exceed the goal(s) as specified on the bid form (and in Section 01 11 00 of the project manual), or in an approved change/waiver request (refer to Article 00 43 39 herein).
- .4 **Voluntary.** Contractors are encouraged to utilize MBE/FBE/VBE subcontractors/suppliers for those projects that are not designated for MBE/FBE/VBE participation and complete the 00665 certification form for each MBE/FBE/VBE firm. MBE/FBE/VBE subcontractors/suppliers may be added at any time during the project.
- .5 **Subcontracts/Supplier agreements.** Copies of subcontracts or supplier agreements (to correspond with each 00665 form) are required to be submitted within ten (10) days of the Notice of Award.

## 00 51 40 POST AWARD REQUIREMENTS

- .1 **Contractor's Duty to Comply.** The Contractor may not proceed with the work until the following post award requirements are met. These requirements are part of the contract and failure to comply with these requirements shall constitute a breach of the contract. CDB shall issue Authorization to Proceed upon successful completion of these post award requirements.
- .2 **Submittals.** Within ten (10) calendar days from the date of the notice of award letter, the Contractor shall furnish, on CDB forms, the following:
  - A. Contract executed by the Contractor;
  - B. Performance Bond;
  - C. Labor and Material Payment Bond;
  - D. Certificates of Insurance;
  - E. Builder's Risk Insurance Policy (if applicable);
  - F. MBE/FBE/VBE Subcontractor Supplier Certifications, Form 00665 and MBE/FBE/VBE Subcontractor/Supplier agreements (if applicable);
  - G. Completed substance Abuse Prevention Certification form and Contractor's substance abuse plan (if applicable);
  - H. DHR PC-2 accepted by FEP Technician; and
  - I. Project Labor Agreement signature sheets for the Contractor and known Subcontractors(if applicable).
- .3 **Cancellation of Award.** All post award requirements are mandatory. Noncompliance shall be cause for CDB to cancel the notice of award and make a claim against the bid security.

- .4 **Post Award Extensions.** CDB may extend the time limitations for good cause. No extension shall operate as a waiver of post award requirements, nor shall it extend the contract completion date.
- .5 **Delays.** Any delays to the commencement of the work due to the Contractor's failure to meet the post award requirements shall be the responsibility of the Contractor and its surety. Contractor and its surety shall be responsible for the costs of any such delays.

## **00 71 00 DEFINITIONS**

- .12 **Protected Subcontractors.** For a Single Prime Delivery Method Project, a subcontractor identified for a protected trade on the 00 41 00 Bid Form. The subcontractor shall be prequalified with CDB, be properly licensed and certified (if applicable), and perform the minimum amount of the identified trade with its own forces by furnishing and installing the work on-site.
- .13 **Prime Bidding Contractor (Trade):** For a Single Prime Delivery Method Project, one of the identified protected trades that submits the bid with the intent of entering into the prime construction contract with CDB as the Contractor.

## **00 72 10 TIME**

- .5 **Approval Authority.** Changes in contract time are subject to approval at or above the CDB Regional Manager level.

## **00 72 25 CDB - RIGHTS AND RESPONSIBILITIES**

- .4 **Right to Terminate the Contract for Cause.**
- .6 **Availability of Appropriation; Sufficiency of Funds.** The contract is contingent upon and subject to the availability of sufficient funds. CDB may terminate or suspend the contract, in whole or in part, without penalty or further payment being required, if (i) sufficient funds for the contract have not been appropriated or otherwise made available to CDB by the State or the Federal funding source, (ii) the Governor or CDB reserves funds, or (iii) the Governor or CDB determines that funds will not or may not be available for payment. CDB shall provide notice, in writing, to the Contractor of any such funding failure and its election to terminate or suspend the contract as soon as practicable. Any suspension or termination pursuant to this Section will be effective upon the date of the written notice, unless otherwise indicated.
- .7 **Right to Suspend the Contract Without Cause.** CDB may, without cause, order the Contractor in writing to suspend, delay or interrupt the work in whole or in part for such a period of time as CDB may determine, not to exceed 90 days. At the expiration of 90 days, the contract may continue upon written agreement of the parties or may be terminated in writing by either party. The contract may remain suspended at the expiration of 90 days until the parties either agree in writing to continue the contract or until either party terminates the contract in writing. If the parties enter into a written agreement to continue the contract, the contract may remain suspended after the expiration of 90 days.
  - A. The contract time will be adjusted for increases in time caused by the suspension, delay or interruption as described in Article 00 72 10.

- B. CDB may decide to terminate the contract under Article 00 72 25 at any time during the period of suspension, delay or interruption.

### **00 73 17 BONDS, GENERAL**

- .1 Requirements.** The Contractor shall furnish a performance bond and a labor and material payment bond covering the faithful performance of the contract and the payment of all obligations arising thereunder, in accordance with the Public Construction Bond Act (30 ILCS 550). Each bond shall be in the full amount of the contract on forms provided by CDB and executed by a surety acceptable to CDB.
- .3 Acceptability.** Bonds that meet the requirements of Paragraph 00 73 17.1 shall be acceptable to CDB when issued by a surety that meets all of the following standards:
- A. Has a current financial strength of at least “A-” as rated by A.M. Best Company, Inc., Moody’s Investor Service, Standard & Poor’s Corporation, or similar rating agency (30 ILCS 550/1); and a current Best’s financial class of at least “V”.
  - B. Is duly licensed in the state of Illinois by the Department of Insurance (30 ILCS 550/1) and does not have an unacceptable record of improper conduct or financial problems with the Illinois Department of Insurance.

### **00 73 40 LICENSING**

- .1** For Single Prime Delivery Method Projects: When licensure and/or certification is required for an identified trade, the identified protected subcontractors or the Prime Bidder, if self-performing the work, shall be properly licensed and certified at the time of bid to perform the work for the identified trade.

### **01 29 73.1 SCHEDULE OF VALUES**

- F. Provide CDB prequalification/registration ID numbers on the CSV form for subcontractors/suppliers described in 00 21 50.2C.
- G. Identify work performed by MBE/FBE/VBE subcontractors and suppliers on the CSV form.
- H. Revise and resubmit CSV for approval if any substitution or replacement of subcontractors or suppliers occurs.
- I. Revise and resubmit CSV for approval if any change in the contract amount of subcontractors or suppliers other than a change resulting from a change order occurs.

### **01 29 76 PROGRESS PAYMENT PROCEDURES**

#### **.5 Payments to Subcontractors and Suppliers.**

- D. Subcontractors (as described in 00 21 50.2C.) who have not obtained a CDB ID number and/or have not submitted the required Disclosures and Certifications may have their payment amounts withheld by CDB in addition to any other remedy provided by this contract or by law. No work can be performed by these subcontractors until the Certifications and Disclosure documents have been reviewed and approved by the State Purchasing Officer.

1. GENERAL

1.1 REQUIREMENTS INCLUDE:

- A. General Contractor: Provide Alternate Bid prices in Bid Form for specified alternate work.
- B. Each Contractor coordinate all related and required work necessary to perform work specified in alternate bids, when accepted and awarded.

1.2 RELATED REQUIREMENTS SPECIFIED ELSEWHERE

- A. Standard Documents for Construction, Article 00 43 23
- B. Bid Forms Document, 00 41 00
- C. Specification Sections: refer to individual Alternate Bid categories listed below in “Description of Alternate Bids”.

2. DESCRIPTION OF ALTERNATE BIDS

2.1 General Contract

- A. Alternate Bid No. G-1: Refinish, repair, restore existing metal exit stairs and landings; scrape, sand, fill, prime, repaint stairs and landings, and maintain exit egress from occupied buildings; for both Somerville and Anderson buildings [(2) sets of stairs at each building, (4) sets of stairs total].
  - 1. Pertinent work specified elsewhere.
    - a. 02 83 19 – Lead-Based Paint Remediation
    - b. 05 50 00 – Metal Fabrication
    - c. 07 90 05 – Joint Sealers
    - d. 09 90 00 – Paintings and Coatings
- B. Alternate Bid No. G-2: Replace-in-kind two (2) ornamental end-column capitals (unique custom ionic style) on the main front portico (porch), including reproduction fabrication, installation, caulking/sealant, and finish painting on both Somerville and Anderson buildings [(2) column capitals at each building, (4) column capitals total]. Repair existing second floor railings at main front portico (porch), modify to meet ADA and building code guardrail heights, and paint. Refinish, repaint, and perform lead-based paint remediation on existing principal façade/portico (porch); including wood pediment, trim, ornament, entablature, column capitals/shaft/base, pilasters, ceiling, soffits, etc., on both Somerville and Anderson buildings.
  - 1. Pertinent work specified elsewhere.
    - a. 02 41 16 – Minor Demolition
    - b. 02 83 19 – Lead-Based Paint Remediation
    - c. 05 50 00 – Metal Fabrications
    - d. 06 10 00 – Carpentry
    - e. 06 66 20 – Manufactured ornaments and Trim – Urethane
    - f. 07 90 05 – Joint Sealers
    - g. 09 90 00 – Paintings and Coatings

END 01 23 00

DIVISION 1 - GENERAL REQUIREMENTS  
**01 32 00 - Construction Schedule**  
Non-CPM Option

1. General

1.1 REQUIREMENTS INCLUDE:

- A. The contractor shall prepare and maintain a detailed project schedule as described below.
- B. The project schedule shall be the contractor's working schedule; used to execute the work and record and report actual progress. It shall show how the contractor plans to complete the work within the contract time and meet any contractually specified intermediate milestone dates.

1.2 RELATED REQUIREMENTS

A. Specified Elsewhere:

- 1. SDC 01 29 00 - Payment
- 2. 01 11 00 - Project Summary
- 3. 01 33 23 - Shop Drawings, Product Data and Samples

1.3 FORM OF SCHEDULE

- A. The project schedule shall be in the form of a bar graph for each task, and each area of work.
- B. The schedule shall provide sufficient detail and clarity so that the contractor can plan and control the work and CDB and the A/E can readily monitor and follow the progress of all portions of the work. The critical activities must be clearly shown. The degree of detail must be satisfactory to the A/E and CDB.

1.4 CONTENTS OF SCHEDULE

- A. The schedule must be inclusive of all installation tasks of the work.
- B. Submittal and approval of shop drawings and material samples as well as delivery dates of major equipment shall be included in the project schedule.
- C. Activity duration shall be in whole working days.
- D. There should be at least one activity for each specification section.

1.5 UPDATING

- A. The project schedule shall be updated monthly.
- B. Actual activity completion dates shall be reported and recorded on the schedule.



- C. Progress on uncompleted activities shall be reported.
- D. Projected completion dates and activities shall be reviewed and revised if necessary.

#### 1.6 REPORTS AND SUBMITTALS

- A. Within 30 days of the Authorization to Proceed, the contractor shall submit the project schedule to the A/E and CDB.
- B. Five (5) days prior to the pay/progress meeting, the contractor shall submit the current updated schedule to the A/E and CDB.
- C. The schedule shall be presented on 11" by 17" sheets. Each sheet shall be clearly titled. Intermediate milestones shall be clearly indicated.
- D. A management narrative report indicating the progress of the work, any revisions since last reporting period, any lost time required to be made up and the contractors' plan to maintain the schedule and meet the milestone dates and contract completion will accompany the updated schedule. The report will identify any potential delays and problem areas and their impact on project completion.

#### 1.7 REVIEWS

- A. The A/E and CDB shall review and may comment on the schedule at the pay/progress meeting. They may also attend the update meetings. The contractor(s) shall revise the schedule as directed by the A/E for compliance with the requirements herein.
- B. Payment and reduction of retainage may be denied by CDB for failure to submit a proper schedule and maintaining work progress according to the project schedule.
- C. Neither the A/E's nor CDB's review and/or comments shall indicate approval/disapproval of the schedule. Since the schedule is dependent on the contractors' proprietary information and commitments, the A/E and CDB can not and will not warrant the schedule to be correct and sufficient to meet the required contract dates.

END 01 32 00.

DIVISION 1 - GENERAL REQUIREMENTS  
**01 33 23 - Shop Drawings, Product Data & Samples**

1. GENERAL

1.1 REQUIREMENTS INCLUDE

- A. General Contractor make submittals to Architect/Engineer. Architect/Engineer shall maintain a master list of submittals.

1.2 RELATED REQUIREMENTS

- A. Specified elsewhere:

1. 02 41 16 - Minor Demolition
2. 03 20 00 - Concrete Reinforcement
3. 03 30 00 - Cast-in-Place Concrete
4. 03 73 00 - Concrete Patching and Repair
5. 03 93 00 - Epoxy Injection Repair
6. 04 20 00 - Unit masonry
7. 05 50 00 - Metal Fabrications
8. 06 10 00 - Carpentry
9. 06 66 20 - Manufactured Ornaments and Trim - Urethane
10. 07 19 00 - Water Repellant Penetrant
11. 07 90 05 - Joint Sealers
12. 09 90 00 - Painting and Coatings
13. 26 05 00 - Electrical - General Provisions
14. 31 22 13 - Rough Grading
15. 31 25 00 - Slope Protection and Erosion Control
16. 32 13 13 - Concrete Paving
17. 32 92 19 - Tactile Warning Surfacing
18. 32 02 19 - Seeding and Landscaping

1.3 DEFINITIONS

- A. Shop drawings: Shop drawings are original drawings prepared by Contractor, subcontractor, sub-subcontractor, supplier or distributor, which illustrate some portion of the work, showing fabrication, layout, setting or erection details.

1. Prepared by qualified detailer.
2. Identify details by reference to sheet and detail numbers shown on contract drawings.
3. Maximum sheet size: 11" x 17".
4. Reproductions for submittals: Reproducible Bond.
5. Submit (5) copies.

B. Product data:

1. Manufacturer's standard schematic drawings, edited to fit this project.
2. Manufacturer's catalog sheets, brochures, diagrams, schedules, performance charts, illustrations and other standard descriptive data.
  - a. Clearly mark each copy to identify pertinent materials, products or models.
  - b. Show dimensions and clearances.
  - c. Show wiring diagrams and controls.

C. Samples: Physical samples to illustrate materials, equipment or workmanship. Approved samples establish standards by which complete work is judged. Maintain at site as directed. Protect until no longer needed.

1. Office samples: Of sufficient size to clearly illustrate:
  - a. Functional characteristics of product or material.
  - b. Full range of color samples.
  - c. After review, samples may be used on construction of project.
2. Field samples and mock-ups:
  - a. Erect at project site at location approved by Architect/ Engineer.
  - b. Construct each sample or mock-up complete, including work of all crafts required in finished work.
  - c. Remove as directed.

1.4 SCHEDULE SUBMITTAL

A. Submit schedule of all exhibits to Architect/Engineer within (30) business days after preconstruction meeting

1. Prepare schedule in bar chart format. Include:
  - a. Exhibit identification.
  - b. Specification section and page number.
  - c. Date of submittal to Architect/Engineer.
  - d. Latest date for final approval.
  - e. Fabrication time.
  - f. Date of installation.
2. Architect/Engineer will review and comment on exhibit schedule and will advise the contractor as to which submittals require longer review durations.

Submit number of copies of shop drawings, product data and samples which contractor requires for distribution plus (5) copies which will be retained by Architect/Engineer.

B. Accompany submittals with transmittal letter, in duplicate, containing:

1. Date.
2. Project title and number.
3. Contractor's name and address.
4. The number of shop drawings, product data and samples submitted.
5. Notification of deviations from Contract.
6. Other pertinent data.

C. Submittals shall include:

1. Date and revision dates.
2. Project title and number.
3. Names of:
  - a. Architect/Engineer.
  - b. Subcontractor.
  - c. Sub-subcontractor.
  - d. Supplier.
  - e. Manufacturer.
  - f. Separate detailer when pertinent.
4. Identification of product or material.
5. Relation to adjacent structure or material.
6. Field dimensions, clearly identified as such.
7. Specification section and page number.
8. Specified standards, such as ASTM number or ANSI.
9. A blank space, 3" x 4", for Architect/Engineer's stamp.
10. Identification of previously approved deviation(s) from contract documents.
11. Contractor's stamp, initialed or signed, certifying to review of submittal, verification of field measurements and compliance with Contract.
12. Space for Contractor's approval stamp.

## 1.5 RESUBMISSION REQUIREMENTS

A. Resubmit all shop drawings, product data, and samples as requested by the contractor and/or A/E.

## 1.6 RESPONSIBILITIES

A. Review shop drawings, product data and samples prior to submission to the next level of authority.

B. Verify:

1. Field dimensions.
2. Field construction criteria.
3. Catalog numbers and similar data.
4. Samples / Mock-up

C. Coordinate each submittal with requirements of:

1. The work.
2. The contract documents.

- D. Contractor's responsibility for errors, omissions or deviation from contract documents in submittals is not relieved by Architect/Engineer's review of submittals.
- E. Prior to submission, notify Architect/Engineer and CDB in writing of all proposed deviations in submittals from contract requirements. Substitution of materials or equipment may only be approved by change order.
- F. Do not begin any work which requires submittals without Architect/Engineer's approval.
- G. After Architect/Engineer's review, make response required by A/E's stamp and distribute copies. Indicate by transmittal that copy of approved data has been delivered to installer.

#### 1.7 ARCHITECT/ENGINEER'S DUTIES

- A. Review submittals within 14 calendar days.
  - 1. Review for:
    - a. Design concept of project.
    - b. Compliance with contract documents.
  - 2. Review all requests for proposed deviations. Obtain CDB's concurrence and respond to Contractor's request.
  - 3. Affix stamp, date and initials or signature certifying to review of submittal, and with instructions for contractor response.
  - 4. Return submittals to sender for response or distribution.

#### 1.8 SUBMITTALS SCHEDULE

- A. General Contractor shall provide submittals for the following sections:
  - 1. 02 41 16 - Minor Demolition
    - a. Demolition and Removal Procedures/Schedule.
  - 2. 03 20 00 – Concrete Reinforcement
    - a. Product Data
    - b. Shop Drawings
    - c. Installation procedures
    - d. Certificate for U.S.A. produced steel
  - 3. 03 30 00 – Cast-in-Place Concrete
    - a. Mix Design
    - b. Concrete Compression Tests
    - c. Concrete Delivery Tickets w/ total water content.

4. 03 73 00 – Concrete Patching and Repair
  - a. Product Data
  - b. Mix Design
  - c. Mock-up Samples
5. 03 93 00 – Epoxy Injection Repair
  - a. Product Data
  - b. Shop Drawings
  - c. Installation Procedures
  - d. Sample
6. 04 20 00 – Unit Masonry
  - a. Product data
  - b. Samples / Mock-up
  - c. Mix Design
7. 05 50 00 – Metal Fabrications
  - a. Product data
  - b. Samples / Mock-up
  - c. Mix Design
8. 06 10 00 - Carpentry
  - a. Product data
  - b. Samples / Mock-up
  - c. Certification
9. 06 66 20 – Manufactured Ornaments and Trim - Urethane
  - a. Product Data
  - b. Shop Drawings
  - c. Installation Procedures
  - d. Mock-up Sample
  - e. Warranty
10. 07 19 00 – Water Repellant Penetrant
  - a. Product Data
  - b. Installation Procedures
  - c. Samples
11. 07 90 05 – Joint Sealers
  - a. Product Data
  - b. Installation Procedures
  - c. Mix Designs
  - d. Samples
  - e. Warranty
12. 09 90 00 - Paintings and Coatings
  - a. Product Data
  - b. Shop Drawings
  - c. Warranty
  - d. Samples

13. 26 05 00 - Electrical
  - a. Product Data
  - b. Shop Drawings
  - c. Warranty
  - d. Samples
14. 31 22 13 – Rough Grading
  - a. Provide on-site location plan for soil stock piling for review and approval by the A/E and Using Agency.
15. 31 25 00 – Slope Protection and Erosion Control
  - a. Proposed “Erosion Control Plan” for review and approval by the A/E.
  - b. Material certification statement from seed vendor for grass and seed mixture, and for fertilizer.
16. 32 13 13 – Concrete Paving
  - a. Listing and specifications for admixtures, curing compounds, and joint fillers.
  - b. Joint patterning drawing for approval by the A/E.
  - c. Concrete Tests
17. 32 17 26 – Tactile Warning Surfacing
  - a. Product Data
  - b. Shop Drawings
  - c. Warranty
  - d. Samples
18. 32 92 19 – Seeding and Landscaping
  - a. Material data
  - b. Material certification statement from seed vendor for grass and seed mixture, and for fertilizer.
  - d. Maintenance data

END 01 33 23

DIVISION 1 - GENERAL REQUIREMENTS  
**01 35 16 - Remodeling Project Procedures**

1. GENERAL

1.1 REQUIREMENTS INCLUDE

A. General Contractor:

1. Coordinate work of employees and subcontractors.
2. Schedule elements of remodeling and renovation work to expedite completion.
3. Schedule noisy or hazardous work to avoid problems with Using Agency's operations.
4. In addition to demolition, cut, move or remove existing construction to provide access or to allow remodeling and new work to proceed.  
Include:
  - a. Repair or remove hazardous or unsanitary conditions.
  - b. Remove abandoned piping, conduit and wiring.
  - c. Remove unsuitable or extraneous materials not marked for salvage, such as abandoned furnishings and equipment, and debris such as rotted wood, rusted metals and deteriorated concrete.
  - d. Clean surfaces. Remove surface finishes to install new work and finishes.
5. Patch, repair and refinish existing items to remain, to the specified condition for each material, with a neat transition to adjacent new construction.
6. Note or record existing project conditions before beginning work to minimize later disputes.

1.2 RELATED REQUIREMENTS

A. Specified elsewhere:

1. 01 32 00 - Construction Schedules.
2. 01 54 00 - Construction Aids
3. 01 73 29 - Cutting & Patching
4. 01 74 13 - Construction Cleaning
5. 01 74 23 - Final Cleaning.

1.3 SEQUENCE AND SCHEDULES

- A. Submit separate detailed sub-schedule for alterations work, coordinated with Construction Schedule. Show:
1. Each stage of work; occupancy dates of areas.
  2. Date of Substantial Completion for each area of alteration work.
  3. Crafts and subcontractors employed in each stage.



#### 1.4 ALTERATIONS, CUTTING AND PROTECTION

- A. Cut finish surfaces such as masonry, tile, plaster or metals, by methods to terminate surfaces in a straight line at a natural point of division.
- B. Protect existing and new work from weather and temperature extremes.
  - 1. Maintain existing interior work above 60 degrees F.
  - 2. Provide weather protection, waterproofing, heat and humidity control to prevent damage to remaining existing work and to new work.
- C. Provide temporary enclosures specified in 01 54 00, to separate work areas from existing building and from areas occupied by Using Agency, and to provide weather protection.
- D. Items of construction, furnishings and articles having a historic or private value discovered during progress of the work shall remain in the Using Agency's possession and ownership.
  - 1. Promptly notify Architect/Engineer.
  - 2. Protect items from damage from weather and work.
  - 3. Architect/Engineer will promptly transmit CDB's decision for disposition of discovery.
  - 4. Store items to be retained by Using Agency in a safe, dry place on site. Dispose of items which CDB releases.

### 2. PRODUCTS

#### 2.1 MATERIALS FOR PATCHING, EXTENDING AND MATCHING

- A. Ensure that work is complete:
  - 1. Provide same materials or types of construction as that in existing structure, to patch, extend or match existing work.

### 3. EXECUTION

- 3.1 PERFORMANCE. Patch and extend existing work using skilled craftsmen capable of matching existing quality of workmanship. For patched or extended work, provide quality equal to that specified for new work.

#### 3.2 ADJUSTMENTS

- A. Where partitions are removed, patch floors, walls and ceilings with finish materials to match existing as closely as possible.
  - 1. Where removal of partitions results in adjacent spaces becoming one, rework floors and ceilings to provide smooth planes without breaks, steps or bulkheads.
  - 2. Where extreme change of plane of two inches or more occurs, request instructions from Architect/Engineer.

- B. Trim and refinish existing doors to clear new floors.

### 3.3 DAMAGED SURFACES

- A. Patch and replace all portions of existing finished surfaces found to be damaged, lifted, discolored or showing other imperfections, with matching material.
  - 1. Provide adequate support prior to patching the finish.
  - 2. Refinish patched portions of painted or coated surfaces in a manner to produce uniform color and texture over entire surface.
  - 3. When existing surface cannot be matched, refinish entire surface to nearest intersections.

### 3.4 TRANSITION FROM EXISTING TO NEW WORK

- A. When new work abuts or finishes flush with existing work, make a smooth transition. Patched work shall match existing adjacent work in texture and appearance as closely as possible.
  - 1. When finished surfaces are cut in such a way that a smooth transition with new work is not possible, terminate existing surface in a neat manner along a straight line at a natural line of division, and provide trim appropriate to finished surface.

### 3.5 CLEANING

- A. Perform construction cleaning as specified in 01 74 13.
  - 1. Clean User occupied areas daily.
  - 2. Clean all spillage, overspray or heavy dust collections in User occupied areas immediately.
- B. At completion of work of each craft, clean area and make surfaces ready for work of successive crafts.
- C. At completion of alterations work in each area, provide final cleaning in accord with 01 74 23 and return space to a condition suitable for use of User.

END 01 35 16.

DIVISION 1 - GENERAL REQUIREMENTS  
**01 41 00 - Regulatory Requirements**

1. GENERAL

1.1 REQUIREMENTS INCLUDE

- A. General Contractor comply with all laws, rules and regulations governing the work.
1. When Contractor observes that contract documents are at variance with specified codes, notify Architect/Engineer in writing immediately. Architect/Engineer will process changes in accord with General Conditions.
  2. When Contractor performs any work knowing or having reason to know that the work is contrary to such laws, rules and regulations and fails to so notify the Architect/Engineer, Contractor shall pay all costs arising therefrom. However, it will not be the Contractor's primary responsibility to make certain that the contract documents are in accord with such laws, rules and regulations.

1.2 DEFINITIONS & ABBREVIATIONS

A. Definitions:

1. Dates: Reference Codes, Regulations and Standards are the issue current at date of bidding documents unless otherwise specified.
2. Codes: Codes are rules, regulations or statutory requirements of government agencies.
3. Standards: Standards are requirements set by authorities, custom or general consent and established as accepted criteria.

B. Abbreviations:

- |           |  |
|-----------|--|
| 1. ADA    | Americans with Disabilities Act.   |
| 2. ANSI   | American National Standards Institute.                                     |
| 3. ASHRAE | American Society of Heating, Refrigeration and Air Conditioning Engineers. |
| 4. ASTM   | American Society for Testing and Materials.                                |
| 5. CDB    | Capital Development Board.   |
| 6. DHEW   | Department of Health, Education & Welfare (Federal).                       |
| 7. DOJ    | Department of Justice  |
| 8. FED    | Federal Agencies.  |
| 9. FM     | Factory Mutual Engineering Corp.   |
| 10. IDHS  | Illinois Department of Human Services.                                     |
| 11. IDOL  | Illinois Department of Labor.  |
| 12. IDOT  | Illinois Department of Transportation                                      |
| 13. IDPH  | Illinois Department of Public Health.                                      |
| 14. IEPA  | Illinois Environmental Protection Agency.                                  |
| 15. NFPA  | National Fire Protection Association.                                      |
| 16. OSFM  | Office of State Fire Marshal.  |
| 17. SOS   | Secretary of State.  |
| 18. UL    | Underwriters Laboratories, Inc.  |

### 1.3 QUALITY ASSURANCE

- A. Architect/Engineer has designed the project with full knowledge of code requirements and has copies of all specified codes available for Contractor's inspection.
- B. Contractor:
  - 1. Ensure that copies of specified codes and standards are readily available to Contractor's personnel. Copies are available at Contractor's expense from source or publisher.
  - 2. Ensure that Contractor's personnel are familiar with workmanship and installation requirements of specified codes and standards.

### 1.4 REGULATORY REQUIREMENTS

#### A. Source and requirements:

##### 1. CDB:

- a. Illinois Accessibility Code
- b. Illinois Energy Conservation Code

##### 2. FED:

- a. CPSC: Architectural Glazing Materials, as amended 1981. (\*Partially pre-empts Illinois Safety Materials Glazing Act.)
- b. DHEW:
  - 1.) Title V: Handicapped Accessibility.
  - 2.) Title IX: Regulations Prohibiting Sex Discrimination in Education.

##### c. DOJ: ADA Standards for Accessible Design, 2010

##### 3. State of Illinois:

- a. Illinois Steel Products Procurement Act, as amended (30 ILCS 565/1 et seq.).
- b. Illinois Procurement Code, as amended (30 ILCS 500/1 et. seq.)
- c. Illinois Domestic Products Act (30 ILCS 517).

##### 4. IDOL: Safety Glazing Materials Act, as amended, with interpretive statement (430 ILCS 60/1 et seq.).

##### 5. IDOT:

- a. Standard Specification for Road and Bridge Construction, including all supplements, and latest edition.
  - 1.) Change all references to "Engineer" to "Architect/Engineer".
  - 2.) References to "Method of Measurement" and "Basis of Payment" do not apply.

5. IDPH:

- a. Illinois State Plumbing Code.
- b. Food Service Sanitation Code.
- c. Minimum Sanitary Requirements for Design and Operation of Swimming Pools & Bathing Beaches.
- d. Illinois Water Well Pump Installation Code.
- e. Illinois Water Well Construction Code.
- f. Illinois Water Well Construction Code Law.
- g. Private Sewage Disposal Licensing Act and Code.
- h. Rules and Regulations for Recreation Areas.
- i. Rules and Regulations for Youth Camps.
- j. Illinois Asbestos Abatement Act (105 ILCS 105/1 et. seq.).
- k. Rules and Regulations for the Asbestos Abatement Act - Title 77, ch. I, subch. p. Part 855.
- l. Structural Pest Control Act and Code.

6. IDPR: Illinois Roofing Industry Licensing Act, as amended (225 ILCS 335/1 et. seq.).

7. IEPA

- a. Air Pollution Standards.
- b. Noise Pollution Standards.
- c. Water Pollution Standards.
- d. Public Water Supplies.
- e. Solid Waste Standards.
- f. Illinois Recommended Standards for Sewage Work.
- g. Hazardous Waste Crane and Hoisting Equipment Operators Licensing Act, 225 ILCS 220/1 et. seq.
- h. Hazardous Waste Laborers Licensing Act, 225 ILCS 221/1 et. seq. Toxic Substance Control Act.

8. OSFM:

- a. Liquefied Petroleum Gas Regulating Act (430 ILCS, refer to NFPA 58-2001)
- b. Liquefied Petroleum Gas Container Act (430 ILCS, refer to NFPA 58-2001)
- c. Boiler and Pressure Vessel Safety Act (430 ILCS 75/1 et seq.)
- d. Tactile identification on Certain Elevators (410 ILCS 30/1 et seq.)
- e. Installation of Elevators (430 ILCS 80/1 et seq.)
- f. Illinois Rules and Regulations for Fire Prevention and Safety, NFPA 101-2000 (new construction), NFPA 101-2000 (existing construction) Except Illinois State Board of Education.

9. SOS:

- a. Ramp on All New or Reconstructed Curbs for Persons Using Wheelchairs, (65 ILCS 5/11-80-11).

## 10. BUILDING CODES

- a. International Building Code (IBC), current edition or most recent edition published by the International Conference of Building Officials, International Code Council, 5203 Ceeburg, Pike, Suite 708, Falls Church, VA 22041-3401, 703-931-4533.
- B. The Architect/Engineer or CDB may reference other codes or standards throughout the Project Manual when deemed appropriate for proper compliance with regulatory requirements.

END 01 41 00.

DIVISION 1 - GENERAL REQUIREMENTS  
**Section 01 45 29 – Construction Tests**

1. GENERAL

1.1 REQUIREMENTS INCLUDE

- A. General Contractor employ and pay for an independent testing laboratory to perform specified services.

1.2 RELATED REQUIREMENTS

- A. Specified elsewhere:
  - 1. 03 30 00 – Cast-in-Place Concrete.
  - 2. 32 13 13 – Concrete Paving.

1.3 QUALIFICATION OF LABORATORY

- A. Meet "Recommended Requirements for Independent Laboratory Qualification", latest edition, published by American Council of Independent Laboratories.
- B. Meet basic requirements of ASTM E329-(\*), "Standards of Recommended Practice for Inspection and Testing Agencies for Concrete and Steel Used in Construction".

1.4 LABORATORY DUTIES - LIMITS OF AUTHORITY

- A. Cooperate with Architect/Engineer and Contractor; provide qualified personnel promptly on notice.
- B. Acquaint Architect/Engineer's personnel with testing procedures and with all special conditions encountered at the site.
- C. Perform specified inspections, sampling and testing of materials and construction methods:
  - 1. Comply with specified standards, ASTM, other recognized authorities.
  - 2. Ascertain compliance with contract requirements.
  - 3. Obtain written acknowledgement of each inspection, sampling and test made from contractor whose work is being tested or from his superintendent.
- D. Promptly notify Architect/Engineer and contractor, of irregularities or deficiencies of work which are observed during performance of services.
- E. Promptly submit three (3) copies of reports of inspections and tests to Architect/Engineer including:
  - 1. Date issued.
  - 2. Project title and number.
  - 3. Testing laboratory name and address.
  - 4. Name and signature of inspector.

5. Date of inspection and sampling.
  6. Record of temperature and weather.
  7. Date of test.
  8. Identification of product and specification section.
  9. Location of project.
  10. Type of inspection or test.
  11. Observations regarding compliance with contract documents.
- F. Perform additional services ordered by Architect/Engineer.
- G. Laboratory is not authorized to:
1. Release, revoke, alter or enlarge on, contract requirements.
  2. Approve or accept any portion of work.
  3. Perform any duties of the Contractor.

END 01 45 29.



DIVISION 1 - GENERAL REQUIREMENTS  
**01 51 50 - Use of Existing Facilities**

1. GENERAL

1.1 The project will be constructed at an occupied facility. These requirements supplement the Standard Documents for Construction and other sections of the Project Manual.

1.2 The Using Agency will occupy all areas for their normal course of activities and operations.

1.3 REQUIREMENTS INCLUDE General Contractor provide:

- A. Scheduling
- B. Security and site regulations
- C. Entrances
- D. Construction aids
- E. Temporary enclosures and barriers
- F. Fences
- G. Construction Cleaning
- H. Storage
- I. Close-out, Restoration of Existing Surfaces

1.4 RELATED REQUIREMENTS

- A. Specified elsewhere:
  - 1. 01 35 16 - Remodeling Project Procedures

2. EXECUTION

2.1 SCHEDULING

A. Schedule the work to allow the User Agency to conduct normal operations with as minimum interruptions as possible. Submit separate detailed sub-schedule showing:

- 1. Each stage of work; occupancy dates of areas.
- 2. Date of Substantial Completion for each area of work.

B. Schedule noisy or hazardous work to avoid problems with Using Agency's operations.

2.2 SECURITY AND SITE REGULATIONS

A. Confer with the Using Agency's representative and obtain full knowledge of all site rules and regulations affecting work.

B. Provide control of all persons and vehicles entering and leaving project site. Reasonable proof of identification and signature to the visitor's log shall be required of the visitors by the contractor's site superintendent.

- C. Do not take photographs of any kind except with prior written authorization from CDB and Using Agency.
- 2.3 ENTRANCES Contractor shall use main entrance to the site or buildings that are not restricted for construction use.
- 2.4 CONSTRUCTION AIDS Except as noted, General Contractor provide and maintain construction aids and equipment for common use and to facilitate execution of the work.
  - A. All stairs in existing building may be used by construction personnel.
  - B. Freight elevator in existing building may be used for construction purposes. Do not use passenger elevator for construction activities or personnel.
- 2.5 TEMPORARY ENCLOSURES AND BARRIERS General Contractor:
  - A. Provide temporary enclosures to separate work areas from existing building and from areas occupied by Using Agency.
  - B. Provide and maintain suitable barriers to prevent unauthorized entry, and to protect the work.
- 2.6 EXISTING BUILDING
  - A. Using Agency will authorize use of existing facilities or services:
    - 1. Electrical power service.
    - 2. Normal lighting.
    - 3. Water service.
    - 4. Toilets.
  - B. Make written arrangements with Using Agency's representative.
  - C. Prevent interference with Using Agency's normal use of system.
  - D. General Contractor shall modify, supplement and extend systems to meet temporary utility requirements for project, subject to approval of Architect/Engineer and Using Agency. Modifications shall be at contractor's expense.
  - E. Using Agency will pay all costs of consumables used for construction purposes for utilities it furnishes.
  - F. Contractor requiring facilities or services beyond those available from the User shall provide and pay for extension or modification of services to perform the work, and for restoration of services at completion of work.

## 2.7 ACCESS ROADS & PARKING AREAS

- A. Existing on-site streets and driveways may be used for construction traffic. Maintain existing condition.
- B. Designated areas of existing parking facilities may be used for parking of construction personnel's private vehicles and of contractor's lightweight (not exceeding a B plate) vehicles.
- C. Maintain roads, walks and parking areas in a sound, clean condition. Restore to original condition upon work completion prior to Final Acceptance.
- D. Control vehicular parking to preclude interference with public traffic or parking, access by emergency vehicles, Using Agency's operations or construction operations.

## 2.8 TRAFFIC REGULATION General Contractor provide traffic control and directional signs, mounted on barricades or standard posts:

- A. At each change of direction of a roadway and at parking areas.

## 2.9 CONSTRUCTION CLEANING

- A. General Contractor provide cleaning and disposal of waste materials, debris and rubbish during construction.
- B. General Contractor provide covered containers for deposit of waste materials, debris and rubbish.
- C. Clean User occupied areas daily.

## 2.10 FIELD OFFICES

- A. General Contractor shall make provisions for temporary office space. The Using Agency will not provide space for a temporary office within the existing facility.
- B. Make arrangements with User Agency's Representative for use of Conference Room for project meetings.

## 2.11 STORAGE Make arrangements with Using Agency's Representative for any on-site storage of materials and equipment to be installed in project. Protection and security for stored materials and equipment is solely contractor's responsibility.

## 2.12 CLOSEOUT

- A. Upon completion of need to use existing user-provided facilities, or when directed by Architect/Engineer, restore each to original or specified condition.
- B. At completion of work in each area, provide final cleaning and return space to a condition suitable for use of User.
- C. Restore lawn areas affected by construction activities

END 01 51 50

DIVISION 1 - GENERAL REQUIREMENTS  
**01 54 00 - Construction Aids**

1. GENERAL

1.1 REQUIREMENTS INCLUDE

A. General Contractor: Provide and maintain construction aids and equipment for common use and to facilitate execution of the work:

1. Chutes.
2. Cranes.
3. Hoists.
4. Platforms.
5. Railings.
6. Ramps.
7. Runways.
8. Stairs.
9. Temporary enclosures, and restoration of existing surface

B. General Contractor: Provide and maintain for his own forces all other construction aids required to complete his work.

1.2 RELATED REQUIREMENTS

A. Specified elsewhere:

1. 01 56 00 - Barriers & Enclosures

2. PRODUCTS

2.1 MATERIALS. Materials may be new or used. Comply with specified codes and standards.

2.2 CONSTRUCTION AIDS

A. Stairs in existing building may be used by construction personnel.

1. Protect walls, landings, treads, and risers of existing stairs.

B. Elevator in existing buildings may be used for construction purposes:

1. Protect walls and floor at existing elevator.

2.3 TEMPORARY ENCLOSURES

A. Provide temporary weather-tight enclosure of exterior walls for successive areas of building as work progresses, to provide acceptable working conditions, provide weather protection for materials, allow for effective construction heating, and to prevent entry of unauthorized persons.

1. Provide temporary exterior doors with self-closing hardware and padlocks.
  2. Provide other enclosures, removable, for work and handling of materials.
- B. Provide temporary enclosures to separate work areas from existing areas occupied by Using Agency.
1. Temporary partition and ceiling enclosures.
    - a. Close joints between sheet materials and seal edges and intersections with existing surfaces to prevent penetration of dust, fumes or moisture.
    - b. In locations where fire protection is required, paint both sides of partitions with noncombustible paint.

### 3. EXECUTION

3.1 PREPARATION. Consult with Architect/Engineer, review site conditions and factors which affect construction procedures and construction aids, including adjacent properties and public facilities which may be affected by execution of the work.

#### 3.2 REMOVAL

- A. Remove temporary materials, equipment and services.
1. When construction needs can be met by authorized use of permanent construction or when authorized by the A/E.
- B. Clean and repair damage caused by installation, construction, or use of temporary facilities.
- C. Restore facilities, surfaces, lawn areas, etc., used for temporary purposes to original condition.

END 01 54 00.

DIVISION 1 - GENERAL REQUIREMENTS  
**01 56 00 - Barriers & Enclosures**

1. GENERAL

1.1 Work Includes:

A. Base Bid:

1. General Contractor provide fencing and barriers, as required.
  - a. Semi-permanent Solid Fence Barrier:
    - 1.) Plywood: Exterior type CC face plies, thickness appropriate to framing requirements.
    - 2.) Framing: 2 in. x 4 in. rails; 4 in x 4 in. (nominal dimensions) treated wood posts.
  - b. Temporary Construction fencing, as required.
    - 1.) Vinyl construction fencing or open mesh fence (orange color).
2. Maintain fences and barriers during entire construction period. Relocate as construction progresses.

End 01 56 00

DIVISION 1 - GENERAL REQUIREMENTS  
**01 66 00 - Storage & Protection**

1. GENERAL

1.1 REQUIREMENTS INCLUDE

- A. General Contractor make arrangements with Using Agency's Representative for storage of materials and equipment to be installed in project. Protection and security for stored materials and equipment, on and off site is solely contractor's responsibility.
- B. Work includes: General Contractor provide and maintain:
  - 1. Storage for materials and equipment to be installed in Project.
  - 2. Protection and security for stored materials and equipment, on and off site.

1.2 OFF-SITE AUTHORIZATION

- A. Payment for materials/equipment stored off-site will be permitted only on CDB's prior written authorization, per Standard Documents for Construction.

2. PRODUCTS

2.1 PROTECTIVE MATERIALS

- A. For duration of storage period, provide materials which will provide proper protection against the elements or other harmful environmental conditions.

3. EXECUTION

3.1 LOCATION

- A. Where shown on drawings, or where authorized by Using Agency.
- B. General Contractor will resolve conflicts in storage requirements of all contractors.

3.2 PREPARATION.

- A. Fill and grade sites for temporary storage sheds to provide drainage, if required.

3.3 INSTALLATION

- A. Construct storage sheds on adequate foundations, with connections for utilities.
  - 1. Raise portable buildings, when used.
  - 2. Provide steps, landings or ramps at entrances, when used.



- B. Mount fire extinguishers in prominent locations with clear access to use.
- C. Mount identifying signs adjacent to entrance doors, in conspicuous locations.

#### 3.4 MAINTENANCE AND CLEANING

- A. Provide continuous maintenance for all temporary structures.

#### 3.5 REMOVAL

- A. When Project is substantially completed and upon CDB's prior written authorization, move stored materials or equipment into designated areas of building(s). Remove temporary structures. Coordinate with Using Agency on-site representative(s) and with document 01 11 00.
- B. Remove debris and clean area.

END 01 66 00

DIVISION 1 - GENERAL REQUIREMENTS  
**01 73 29 - Cutting & Patching**

1. GENERAL

1.1 REQUIREMENTS INCLUDE

A. General Contractor:

1. Execute cutting, filling or patching of work to:
  - a. Install specified work.
  - b. Remove samples of installed work specified for testing.
  - c. Remove and replace defective work.
2. In addition, upon written instructions of Architect/Engineer or CDB:
  - a. Uncover work to provide for observation of covered work.
  - b. Remove samples of installed materials for testing.
  - c. Remove work to provide for alteration of existing work.
3. Do not cut or alter work of another contractor without written consent of Architect/Engineer.

1.2 RELATED REQUIREMENTS

A. Specified Elsewhere:

1. Section 06 10 00 – Carpentry
  2. Section 07 90 05 - Joint Sealers
- 

1.3 SUBMITTALS

A. Prior to cutting which affects structural members or work of another contractor, submit written notice to Architect/Engineer requesting consent to proceed with cutting, including:

1. Project identification.
2. Description of affected work.
3. Necessity for cutting.
4. Effect on other work, on structural integrity of project.
5. Description of proposed work. Designate:
  - a. Scope of cutting and patching.
  - b. General Contractor Crafts to execute the work.
  - c. Products proposed to be used.
  - d. Extent of refinishing.
6. Alternatives to cutting and patching.
7. Designation of party responsible for cost of cutting and patching.

B. Prior to cutting and patching done on instruction of Architect/ Engineer, submit cost estimate.

C. When conditions of work, or schedule, indicate change of materials or methods, submit recommendation to Architect/Engineer, including:

1. Condition indicating change.
2. Recommendation for alternative materials or methods.
3. Submittals specified for substitutions.

D. Submit written notice to Architect/Engineer, designating time work will be uncovered, to provide for observation.

#### 1.4 PAYMENT FOR COSTS

- A. Costs caused by ill-timed or defective work, or work not conforming to contract documents, including costs for additional services of Architect/Engineer: Party responsible for ill-timed, rejected or non-conforming work.
- B. Work done on instructions of Architect/Engineer (by change order), other than defective or non-conforming work: CDB.

### 2. PRODUCTS

2.1 MATERIALS. For replacement of work removed: Comply with specifications for type of work to be performed.

### 3. EXECUTION

#### 3.1 INSPECTION

A. Inspect existing conditions of work, including elements subject to movement or damage during:

1. Cutting and patching.

B. After uncovering work, inspect conditions affecting installation of new products.

#### 3.2 PREPARATION

A Prior to cutting:

1. Provide shoring, bracing and support to maintain structural integrity of project.
2. Provide protection for other portions of the project.
3. Provide protection from elements.

### 3.3 PERFORMANCE

- A. Execute cutting and demolition by methods which will prevent damage to other work, and will provide proper surfaces to receive installation of repairs and new work.
- B. Restore work which has been cut or removed; install new products to provide completed work in accord with contract documents.
- C. Refinish entire surfaces to provide an even finish.
  - 1. Continuous surfaces: To nearest intersection(s).
  - 2. Assembly: Entire refinishing.

END 01 73 29.

DIVISION 1 - GENERAL REQUIREMENTS  
**01 74 13 - Construction Cleaning**

1. GENERAL

1.1 REQUIREMENTS INCLUDE

A. General Contractor: Supervise, and coordinate, and perform cleaning operations.

1.2 RELATED REQUIREMENTS

A. Specified elsewhere:

1. 01 35 16 - Remodeling Project Procedures.

2. PRODUCTS

2.1 None

3. EXECUTION

3.1 CLEANING

A. General Contractor restrooms, coordinate, and supervise cleaning operations.

3.2 DISPOSAL

Dispose of all construction waste: haul off-site for depositing in an approved landfill.

END 01 74 13.

DIVISION 1 - GENERAL REQUIREMENTS  
**01 74 23 - Final Cleaning**

1. GENERAL

1.1 REQUIREMENTS INCLUDE

A. General Contractor: Provide final cleaning:

1. At completion of work, or at such other times as directed by the A/E, remove all waste, debris, rubbish, tools, equipment, machinery and surplus materials. Clean all sight exposed surfaces affected by the contract work; leave work clean and ready for occupancy.
2. Supervise and coordinate the cleaning operations.
3. At project completion, leave project clean, ready for occupancy.

1.2 RELATED REQUIREMENTS

A. Specified elsewhere:

1. 01 74 13 - Construction Cleaning

2. PRODUCTS

2.1 None

3. EXECUTION

3.1 FINAL CLEANING

- A. Employ experienced workmen for final cleaning.
- B. Remove grease, dust, dirt, stains, labels, fingerprints, protection and other foreign materials from sight-exposed interior and exterior finished surfaces; polish surfaces so designated to specified finish.
1. In preparation for substantial completion or occupancy, conduct final inspection of sight-exposed interior and exterior surfaces, and of concealed spaces to ensure performance.
- C. Repair, patch and touch up marred surfaces to specified finish, to match adjacent surfaces.
- D. General Contractor soft broom clean all exposed concrete surfaces clean; other paved areas with soft or stiff broom as directed. Rake clean other surfaces on grounds.
- E. General Contractor sweep and mop clean all resilient flooring.
- F. General Contractor vacuum clean all carpet.
- G. General Contractor maintain finally cleaned areas until project, or designated portion thereof, is accepted by CDB.

END 01 74 23.

DIVISION 1 - GENERAL REQUIREMENTS  
**01 78 23 - Operating & Maintenance Data**

1. GENERAL

1.1 REQUIREMENTS INCLUDE

- A. General Contractor provide Operating and Maintenance Data in accordance with Article 01 78 23 of the Standard Documents for Construction and the Project Manual.
- B. General Contractor provide two (2) copies of O&M manuals as specified in the Standard Documents for Construction.

2. REQUIRED SUBMITTALS

2.1 General Contractor provide:

A. Section 05 50 00 – Metal Fabrications

- 1. Product data
- 2. As-installed color coding charts and diagrams
- 3. Manufacturer's instructions for maintenance, and service and care
- 4. Shop drawings

B. Section 06 66 20 – Manufactured Ornaments and Trim

- 1. Product data
- 2. As-installed color coding charts and diagrams
- 3. Manufacturer's instructions for maintenance, and service and care
- 4. Shop drawings

B. Section 07 90 05 – Joint Sealers

- 1. Product data
- 2. As-installed color coding charts and diagrams
- 3. Manufacturer's instructions for maintenance, and service and care
- 4. Shop drawings
- 5. Warranties & bonds
- 6. Overall system records for use by operations and maintenance personnel

C. Section 09 90 00 - Paints and Coating

- 1. Product data
- 2. As-installed color coding charts and diagrams
- 3. Manufacturer's instructions for maintenance, and service and care
- 4. Shop drawings
- 5. Warranties & bonds
- 6. Overall system diagrams for use by operations and maintenance personnel

D Section 26 05 00 – Electrical General Provisions

1. Product data
2. As-installed color coding charts and diagrams
3. Manufacturer's instructions for maintenance, and service and care
4. Shop drawings
5. Warranties & bonds
6. Overall system diagrams for use by operations and maintenance personnel.

E. Section 32 17 26 – Tactile Warning Surfacing

1. Product data
2. As-installed color coding charts and diagrams
3. Manufacturer's instructions for maintenance, and service and care
4. Shop drawings
5. Warranties & bonds
6. Records for use by operations and maintenance personnel.

END 01 78 23.



DIVISION 1 - GENERAL REQUIREMENTS  
**01 78 36 - Extended Warranties & Bonds**

1. GENERAL

1.1 REQUIREMENTS INCLUDE

A. General Contractor:

1. General Contractor shall warrant their work in accordance with the Standard Documents for Construction. In addition, the following extended Warranties and Bonds shall be provided as specified.

1.2 SUBMITTALS REQUIRED

- A. Assemble warranties and bonds, properly executed by each of the respective manufacturers, suppliers, contractors, and subcontractors.
- B. Submit one original signed copy of each item.
- C. Prepare a single packet
- D. Format 8½" x 11", Fold larger sheets to fit. Identify each packet with typed title on the cover reading 'WARRANTIES AND BONDS', and the following:
  1. CDB Project Number
  2. Contractor's Name
  3. Contract and Contract Number

1.3 EXTENDED WARRANTIES AND BONDS

A. General Contractor Provide:

1. Section 04 20 00 – Unit Masonry
  - a. 5 years
1. Section 07 90 05 – Joint Sealers
  - a. 10 years
2. Section 26 05 00 – Electrical General Provisions
  - a. LED light fixture drivers – 5 years
3. Section 31 25 00 – Slope Preparation and Erosion Control
  - a. 2 years
4. Section 32 17 26 – Tactile Warning Surfacing
  - a. 5 years
5. Section 32 92 19 – Seeding and Landscaping
  - a. 2 years

END 01 78 36.

DIVISION 1 - GENERAL REQUIREMENTS  
**01 78 39 - Project Record Documents**

1. GENERAL

1.1 REQUIREMENTS INCLUDE

A. General Contractor:

1. At project site, maintain one record copy of:
  - a. Contract drawings, including separate volume(s) of details.
  - b. Project Manual.
  - c. Interpretations and supplemental instructions.
  - d. Addenda.
  - e. Reviewed, approved shop drawings and product data.
  - f. Other modifications to contract.
  - g. Field test records.
  - h. All schedules.
  - i. Correspondence file.
2. Store documents with Construction Foreman, on-site documents used for field construction.
3. File documents in format in accord with Project Manual Table of Contents.
4. Maintain documents in clean, dry, legible condition.
5. Do not use record documents for field construction purposes.
6. Make documents available at all times for inspection by Architect/Engineer and CDB.

1.2 RELATED REQUIREMENTS

A. Specified elsewhere:

1. 01 33 23 - Shop Drawings, Product Data & Samples.
2. 01 78 23 - Operating & Maintenance Data.
3. 01 78 36 - Warranties & Bonds.

1.3 RECORDING

- A. Label each document "PROJECT RECORD DOCUMENTS" in 2" high printed letters.
- B. Keep record documents current.
- C. Do not permanently conceal any work until specified information has been recorded.

D. Contract drawings: Legibly mark to record actual construction:

1. Field changes of dimension and detail.
2. Changes made by change order.
3. Details not on original contract drawings.

E. Specifications and addenda: Legibly mark up each section to record:

1. Manufacturer, trade name, catalog number, and supplier of each product and item of equipment actually installed.
2. Changes made by change order or field order.
3. Other matters not originally specified.

F. Shop drawings: Maintain as record documents; legibly annotate drawings to record changes made after review.

G. A/E will periodically review documents to confirm they are up-to-date. Contractor payment may be withheld or reduced if record documents are not current.

#### 1.4 SUBMITTAL

A. At completion of project, deliver record documents to A/E.

B. Accompany submittal with transmittal letter, in duplicate, containing:

1. Date.
2. Project title and number.
3. Contractor's name and address.
4. Title and number of each record document.
5. Certification that each document submitted is complete and accurate.
6. Signature of contractor, or his authorized representative.

END 01 78 39.

DIVISION 02 – GENERAL REQUIREMENTS  
**Section 02 41 16 – Minor Demolition**

1. GENERAL

1.1 WORK INCLUDES

A. Base Bid:

1. General Contractor Provide:

- a. Removal of items and areas of existing construction as shown and described on the project plans and specifications.
- b. Remove and dispose of rubbish and debris resulting from own demolition operations.
- c. Identification of utilities encountered.
- d. Prepare and file the IEPA “Notification of Demolition and Renovation” form, **attached herewith**.
- e. Provide to the Architect/Engineer signed waste disposal receipts.

1.2 RELATED WORK

A. Specified Elsewhere

- 1. 06 10 00 – Carpentry

1.3 SUBMITTALS

A. Submit demolition and removal procedures and schedule in accord with 01 33 23.

B. Submit record drawings in accord with 01 78 39.

1.4 EXISTING CONDITIONS

- A. Conduct demolition to minimize interference with adjacent and occupied building areas.
- B. Provide, erect, and maintain temporary barriers and security devices in accord with 01 56 00.

2. PRODUCTS – NONE

### 3. EXECUTION

#### 3.1 PREPARATION

- A. Erect and maintain weatherproof closures for exterior openings in accord with 01 56 00.
- B. Protect existing items not indicated to be demolished.

#### 3.2 EXECUTION

- A. Demolish in an orderly and careful manner. Protect existing construction and finishes that remain.
- B. Except where noted otherwise, immediately remove demolished materials from site.
- C. Remove materials to be reinstalled or retained in manner to prevent damage. Store and protect in accord with 01 66 00.
- D. Remove and promptly dispose of contaminated, vermin infested, or dangerous materials encountered.
- E. Do not burn or bury materials on site.
- F. Remove demolished materials from site as work progresses. Upon completion of work, leave areas in clean condition.

END 02 41 16

**DIVISION 2- EXISTING CONDITIONS**  
**Section 028319 – Lead-Based Paint Remediation**

**1. GENERAL**

**1.1 WORK INCLUDES**

A. Base Bid:

1. General Contractor provide:
  - a. Verify data and existing conditions.
  - b. Research listed references and follow proper procedures related to specific contract work.
  - c. At General Contractor's option, perform additional testing and investigations as required at own expense.
  - d. Prepare and file the "Notice of Commencement Lead Abatement/Mitigation Project" form, **attached herewith**, with the Illinois Department of Public Health, as indicated.

**1.2 RELATED SECTIONS**

A. Specified elsewhere:

1. Section 06 10 00 – Carpentry.
2. Section 09 90 00 – Painting and Coatings.

B. By others: The Architect/Engineer has caused testing to be made at the site by Reliable Environmental Solutions, Inc., Springfield, Illinois.

1. Testing results have been included for information only. CDB, the Using Agency, and the Architect/Engineer do not guarantee the accuracy or validity of the data, nor do they assume any responsibility for the Contractor's interpretation of the data.

**1.3 QUALIFICATIONS OF INSTALLERS**

A. Employ only experienced workmen, skilled in the remediation, construction, disposal, and transportation of Lead-Based Paint (LBP) waste.

#### **1.4 REFERENCES**

- A. Cited standards as listed in LBP testing data reports.
- B. The Lead Construction Standard (OSHA 1926.62).
- C. EPA disposal regulations.
- D. U.S. Department of Housing and Urban Development guidelines.

#### **1.5 LEAD-BASED PAINT TESTING DATA**

- A. Copy of the Lead-Based Paint Testing Report is herein included and attached hereto.

**END OF SECTION**

**NOTICE OF COMMENCEMENT  
LEAD ABATEMENT/MITIGATION PROJECT**

**Fax or mail this notice** at least 10 working days or 14 calendar days prior to commencement of any lead abatement or mitigation projects

**TO: Lead Abatement Program**  
Division of Environmental Health  
Illinois Department of Public Health  
525 W. Jefferson Street  
Springfield, IL 62761  
tel. (217) 782-3517  
fax (217) 557-1188

Contractor Name: \_\_\_\_\_

Contractor Illinois ID Number: \_\_\_\_\_

Address of Lead Abatement Project: \_\_\_\_\_

Project Start Date: \_\_\_\_\_ Project Completion Date: \_\_\_\_\_

Owner's Name: \_\_\_\_\_

Owner's Address (if different than listed above) : \_\_\_\_\_

Phone: \_\_\_\_\_

Illinois Licensed Contractor/Supervisor: \_\_\_\_\_

Contractor/Supervisor Illinois ID Number: \_\_\_\_\_

\_\_\_\_\_  
Signature of Contractor's Authorized Representative

Phone: \_\_\_\_\_ Date: \_\_\_\_\_

Date Received

All environmental lead samples shall be analyzed by a laboratory on the National Lead Laboratory Accreditation Program List.



# **LEAD-BASED PAINT INSPECTION REPORT**

*for*

**ILLINOIS VETERANS HOME  
ANDERSON & SOMMERVILLE  
1707 NORTH 12<sup>TH</sup> STREET  
QUINCY, IL 62301**

*prepared by*

**Reliable**  
**Environmental**  
**Solutions, Inc.** **RES**  
4211 Westgate Drive, Springfield, IL 62711  
217.787.9800 ♦ 217.787.9801 FAX  
[www.ReliableEnv.com](http://www.ReliableEnv.com)

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SECTION 1: Introduction

SECTION 2: Summary of Findings

SECTION 3: XRF Sample Results

SECTION 4: Inspector's Credentials

## **INTRODUCTION**

### **I. SCOPE**

Reliable Environmental Solutions, Inc. (RES) performed a lead-based paint inspection of the Anderson and Sommerville Barracks at the Illinois Veterans Home located at 1707 N. 12th Street in Quincy, Illinois 62301. RES performed testing to identify locations of lead-based paint at the above referenced facility as directed by the client's representative. The inspection was performed on May 22, 2018.

### **II. SAMPLING PROTOCOL**

Testing was performed utilizing the LPA-1 Lead Paint Analysis System manufactured by Radiation Monitoring Devices, Inc. The LPA-1 is an X-ray Fluorescence Detector (XRF) which is a state-of-the-art analytical instrument used to detect the presence of lead in paint in a non-destructive manner. The radioactive material used as the radiation source is Cobalt ( $\text{Co}^{57}$ ). While testing, gamma-rays are emitted by the Cobalt which strike a painted surface and excites the atoms in the sample to produce fluorescent X-rays. The LPA-1 contains a special x-ray detector that determines the fraction of rays that are characteristic of lead fluorescence to measure the amount of lead in the paint. The results are displayed in a digital read out and are reported in milligrams per square centimeter ( $\text{mg}/\text{cm}^2$ ).

According to Housing and Urban Development (HUD) guidelines and the Illinois Department of Public Health (IDPH), XRF sample results found to be greater than or equal to  $1.0 \text{ mg}/\text{cm}^2$  are positive for the presence of lead-based paint. CWLP uses a standard of greater than or equal to  $0.1 \text{ mg}/\text{cm}^2$  as positive for the presence of lead-based paint.

### **III. REPORT FORMAT**

This report is organized into four (4) sections:

- Introduction
- Summary of Findings
- XRF Sample Results
- Licenses and Accreditations

The Summary of Findings located in Section 2 identifies the surfaces found to contain lead-based paint and their locations.

Each individual room or hallway has been given a distinct room name that corresponds to the locations described in the Summary of Findings and the XRF Sample Results. The location of the samples within each room and the exterior of the building are identified by side A, B, C, or D with side A being the main entrance to the facility and the remaining sides labeled in a clockwise direction.

The XRF sample results are located in a table format in Section 3. The table identifies:

- Sample number

- Structure of material sampled (wall, window, door, etc.)

- Substrate behind paint sampled (drywall, plaster, wood, metal, brick or concrete)

- Color of surface paint sampled

- Results (positive or negative)

- Lead concentration (PbC)

Personnel performing the inspection are accredited by EPA and licensed by the Illinois Department of Public Health as Lead Inspectors/Risk Assessors. The inspectors have also been trained in the use of the LPA-1 which includes radiation safety training. Credentials of the on-site licensed inspectors are located in Section 4 of this report.

#### **IV. LIMITATIONS**

The intent of the inspection is to survey all areas; however, inaccessible areas that would require destructive methods may not have been surveyed. The LPA-1 Analyzer's field of view is limited to a maximum depth of 3/8", deep enough to handle virtually all painted surfaces, but not designed to detect lead behind the wall. Any suspect surface discovered during a renovation that has not been identified in this report must be tested.

This inspection was conducted for the presence of lead-based paint only. No other environmental concerns or conditions were addressed during this particular inspection.

The sampling results and material conditions/color documented in this report are accurate at the time of the inspection. Conditions at the property after the inspection may change and are in no manner documented within this report.

## **SUMMARY OF FINDINGS**

Reliable Environmental Solutions, Inc. (RES) performed a lead-based paint inspection of the Anderson and Sommerville Barracks at the Illinois Veterans Home located at 1707 N. 12th Street in Quincy, Illinois 62301. The inspection was performed on May 22, 2018. Samples were collected utilizing the LPA-1 Lead Paint Analysis System manufactured by Radiation Monitoring Devices, Inc.

The following components were identified as positive for the presence of lead according to the guidelines set forth by HUD and the Illinois Department of Public Health ( $\geq 1.0$  mg/cm<sup>2</sup>):

**Frieze board located on the Anderson porch tested positive for lead-based paint.**

**Trim on the Anderson porch tested positive for lead-based paint.**

**Columns on the Anderson porch tested positive for lead-based paint.**

**Soffit and Facia boards on the roof of Anderson tested positive for lead-based paint.**

**Columns on the Sommerville porch tested positive for lead-based paint.**

**Soffit and Facia boards on the Sommerville porch tested positive for lead-based paint.**

**Quincy, IL 62301**

[illegible]



LEAD RISK  
ASSESSOR LICENSE

LEAD ID	ISSUED	EXPIRES
001097	1/3/2018	1/31/2019

William S Williams  
1408 S Clay Ave  
Jacksonville, IL 62650



ILLINOIS LEAD PROGRAM  
Environmental Health

Alteration of this license shall result in legal action  
RISK ASSESSOR CERTIFICATE EXPIRES  
12/20/2020

This license issued under authority of the State  
of Illinois -Department of Public Health

This license is valid only when accompanied by  
a valid training course certificate

If found return to 525 W. Jefferson St Springfield, IL 62761

COLLEGE FOR  
PUBLIC HEALTH & SOCIAL JUSTICE

SAINT LOUIS UNIVERSITY

CENTER FOR ENVIRONMENTAL EDUCATION AND TRAINING

verifies that

**William Williams**

4211 Westgate Drive, Springfield, IL 62711

has attended 8 contact hours of training and successfully passed an examination

**Lead Risk Assessor Refresher**

St. Louis, MO

Certificate # CEET 325 - 12/20/2017 - **188334**

Examination Date: 12/20/2017

CEUs: 0.8

*Christopher C. King*  
Christopher C. King PhD

Director, Center for Environmental  
Education and Training

Certificate expiration is 3 years from examination date for Illinois Dept. of Public Health

Center for Environmental Education and Training, 3545 Lafayette, St. Louis, MO 63104

(314) 977-8256 [slu.edu/x39753.xml](http://slu.edu/x39753.xml)

This training course has been accredited by the Illinois Department of Public Health, and by the Missouri Department of Health & Senior Services.



**DIVISION 3 – CONCRETE**  
**Section 03 10 00 – Concrete Formwork**

**1. GENERAL**

**1.1 WORK INCLUDES:**

- A. Base Bid:
  - 1. General Contractor Provide:
    - a. Contractor shall provide all labor, tools, equipment and materials to install formwork for concrete structures as shown on Drawings.

**1.2 RELATED WORK:**

- A. Concrete Reinforcement – Section 03 20 00
- B. Cast-In-Place Concrete – Section 03 30 00
- C. Carpentry – Section 06 10 00
- D. Rough Grading - Section 31 22 13
- E. Finish Grading – Section 31 22 19
- F. Slope Protection and Erosion Control – Section 31 25 00
- G. Seeding and Landscaping – Section 32 92 19

**1.3 QUALITY ASSURANCE**

- A. Reference Standards
  - 1. The American Concrete Institute Building Code; ACI.
- B. Allowable tolerances for wood and metal framework.
  - 1. Vertical and horizontal: not more than 1/4 inch in 10 feet.

**2. PRODUCTS**

**2.1 FORMS FOR CONCEALED CONCRETE SURFACES**

- A. Standard wood or metal forms meeting requirements of ACI-318-Latest Edition.
- B. Bank forms provided soils are firm and will hold a true shape.

**2.2 FORMS FOR EXPOSED SURFACES**

- A. 5/8 inch or 3/4 plywood meeting requirements of National Bureau of Standards, Product Standard PS 1-74 Article 3.6.4, Class II.

## **2.3 FORM OIL**

- A. Non-staining, nor shall it impede curing of formed surfaces, or cause softening of concrete.

# **1. EXECUTION**

## **3.1 INSTALLATION**

### **A. General**

1. Forms: Sizes shown on drawings and braced or tied to maintain shape and position.
2. Forms shall be mortar tight and sufficiently rigid to prevent distortion due to the pressure of the concrete and other loads incident to the construction operations, including vibration. Forms shall be constructed and maintained so as to prevent the opening of joints due to shrinkage of the lumber.
3. Form Construction and Assembly: prevent concrete damage when removed.
4. Abutting Edges: attached to a single framing member with 6d box nails 8 inches O.C.

### **B. Bank Forms**

1. Increase dimensions shown on drawings 2 inches both ways.
2. Hand excavate last 6 inches all directions.
3. Final trimming shall be performed same day concrete is placed.
4. If bank forms fail to hold a true shape, wood or metal forms shall be used to maintain proper size of members.

## **3.2 REMOVAL**

- A. Remove forms in accordance with ACI-318.
- B. Notify Architect/Engineer before removing forms.

## **3.3 PROTECTION**

- A. Protect surfaces and corners from damage or abrasion.

END 03 10 00

**DIVISION 3 – CONCRETE**  
**Section 03 20 00 – Concrete Reinforcement**

**1. GENERAL**

**1.1 WORK INCLUDES**

A. Base Bid:

1. General contractor Provide:

- a. Contractor shall provide all labor, tools, equipment and materials to install concrete reinforcement as shown on the Drawings and in accordance with Specifications.

**1.2 RELATED WORK**

- A. Concrete Formwork - Section 03 10 00
- B. Cast-In-Place Concrete - Section 03 30 00

**1.3 PRODUCT HANDLING**

- A. Deliver reinforcement marked indicating size.
- B. Handle and store reinforcing materials to prevent contamination which would prevent proper concrete and steel bond and excessive rusting and bending.

**1.4 REFERENCE STANDARDS**

- A. American Concrete Institute "Building Code Requirements for Reinforced Concrete" (ACI 318-Latest Edition).

**1.5 SUBMITTALS**

- A. Submittals and shop drawings in accord with 01 33 23.
- B. Certificates that steel is produced in the U.S.A.

**2. PRODUCTS**

**2.1 MATERIALS**

- A. Billet-Steel: ASTM A615, Grade 60.
- B. Wire Fabric: ASTM A185.

## **2.2 FABRICATION**

- A. Bars: ASTM A615, Grade 60 deformed.
- B. Welded Wire Fabric: ASTM A615, Grade 60.

## **3. EXECUTION**

### **3.1 PREPARATION**

- A. Cleaning and bending of Reinforcement: ASTM A615, Grade 60.

### **3.2 INSTALLATION**

#### **A. Steel Bar Reinforcement**

1. Place in positions indicated, securely fastened and supported to prevent displacement before, during, and after concrete placement.
2. Placing and Splicing: ASTM A615, Grade 60.

#### **B. Welded Wire Fabric**

1. Embed in middle cross-sectional third of concrete slab, supported to prevent displacement before, during, and after concrete placement.
2. Place in all concrete pads, walks and slabs in longest practical lengths.
3. End splices: one full mesh tip to tip of longitudinal wires plus 2 inches.
4. Offset end splices.
5. Selvage edge splices: one full mesh.
6. Tie splices to prevent displacement.
7. A/E shall review placement of welded wire fabric reinforcement prior to pouring concrete.

END 03 20 00

**DIVISION 3 – CONCRETE**  
**Section 03 30 00 – Cast-in-Place Concrete**

**1. GENERAL**

**1.1 WORK INCLUDES**

- A. Base Bid:
  - 1. Contractor shall provide all labor, tools and equipment necessary to construct concrete structures as shown on the Drawings.

**1.2 RELATED WORK**

- A. Concrete Formwork - Section 03 10 00
- B. Concrete Reinforcement - Section 03 20 00
- C. Unit Masonry – Section 04 20 00

**1.3 QUALITY ASSURANCE**

- A. Allowable Tolerances
  - 1.  $\pm 1/8$  inch in 10 ft. from a flat surface for smooth troweled slab finish.
  - 2.  $\pm 1/4$  inch in 10 ft. from a flat surface for other finishes.
  - 3.  $\pm 1/4$  inch maximum deviation from required elevations.
- B. Quality Control
  - 1. Compression Tests: by an approved testing laboratory, paid for by Contractor, approved by Architect/Engineer.
  - 2. Cement: only one brand by an American manufacturer.
- C. Reference Standards
  - 1. American Society for Testing and Materials Standards (ASTM).
  - 2. American Concrete Institute "Building Code Requirements for Reinforced Concrete" (ACI 318 - Latest Edition).
  - 3. IDOT Standard Specifications for Road and Bridge Construction, adopted April 1, 2016, including all supplements.

**1.4 SUBMITTALS**

- A. Submit concrete compression test results to Architect/Engineer.
- B. Submit concrete delivery tickets in accordance with ASTM C94 for each batch of ready mixed concrete delivered, indicating total water content on each ticket.
- C. Submittals in accord with Section 01 33 23.

**1.5 PRODUCT DELIVERY, STORAGE AND HANDLING**

- A. Store and handle material to prevent deterioration or intrusion of foreign matter.
- B. Immediately and completely remove deteriorated or damaged material from the work and replace with new material.

- C. Deliver ready mix concrete in accordance with ASTM C-94.

## **1.6 ALTERNATIVES**

- A. Construction joints may be substituted for control or contraction joints at joint locations in slabs on grade and other locations approved by the Architect/Engineer.

## **2. PRODUCTS**

### **2.1 MATERIALS**

- A. Portland Cement: ASTM C-150.
- B. Air-entrained Portland Cement: ASTM C-175.
- C. Air-entrained Agent: ASTM C-260.
- D. Fine Aggregate
  - 1. ASTM C-33.
  - 2. Natural sand composed of clean, sound, hard, durable particles.
- E. Coarse Aggregate
  - 1. ASTM C-33.
  - 2. Clean, hard, durable, screened, crushed stone or gravel.
- F. Mixing Water: free from oil, acid, vegetable matter, alkalis and other impurities and clean, suitable for drinking.
- G. Admixture other than air-entraining agent: Not to be used unless written approval is obtained from Architect/Engineer.
- H. Joint Filler
  - 1. Pre-molded, resilient, compressible, pre-expanded, non-extruding and non-staining.
  - 2. 3/8 inch thick unless otherwise indicated.
  - 3. Polyethylene foam, polyurethane foam, neoprene sponge or polyvinyl chloride sponge.
  - 4. Closed-cell type with 25% compressibility when subject to 10 to 15 psi distributed pressure.

### **2.2 APPROVED CONCRETE CURING AND SEALING COMPOUND FOR INTERIOR**

- A. ASTM C-309
- B. Impervious, non-bituminous, liquid, compatible with floor finish.
- C. Manufactured by: Sonneborn - "Kure-N-Seal", Toch Bros. - "Sealkure", or Grace - "Horn Clear Seal".

### **2.3 APPROVED CONCRETE CURING AND SEALING COMPOUND FOR EXTERIOR**

- A. ASTM C-309.
- B. White pigmented, wax resin base membrane type.
- C. Manufactured by: Grace - "Horncue 40W", Toch Bros. - "Torkure", or Sonneborn - "Hydrocide Curing Compound".

### **2.4 CONCRETE DESIGN CRITERIA**

- A. Minimum ultimate compressive strength: 4,000 psi at 28 days, unless otherwise noted.
- B. Slump shall be 3 inches.

### **2.5 CONCRETE MIX**

- A. ACI 318-83 and ASTM C-94.
- B. Proportioned by water-cement ratio method based on requirements for a plastic and workable mix with not less than 6 bags of cement per cu. yd. and not more than 6 gallons of water per 94 lb. bag of cement.
- C. Ready mixed or job mixed at Contractor's option.
- D. Air entrained with 5 to 7% by volume for concrete exposed to weather with not more than 5 gallons of water per bag of cement.

## **3. EXECUTION**

### **3.1 INSPECTION**

- A. Inspect piping, conduits, drains and similar items for proper placement and condition prior to placing concrete.
- B. Do not place concrete until bearing surfaces have been inspected, approved and authorization to proceed is received from Architect/Engineer.

### **3.2 CONCRETE PLACEMENT: ACI 301-66 AND ASTM C-94.**

- A. Place in final position as soon as possible after mixing in an approved manner to prevent segregation. Handle rapidly from mixer to forms. Spade, work by hand, and vibrate to assure close contact with forms and reinforcement.
- B. Place on clean, damp surfaces, free of water. Place in final position within 90 minutes after mixing water with dry material. No water shall be added to the concrete after initial mixing. Do not use concrete which has been

retempered, has partially hardened or been contaminated by foreign material.

- C. Remove unsuitable materials from the project site immediately. Do not deposit concrete when temperature of materials is below 50°F or above 85°F. Form concrete slabs to thicknesses shown on Drawings but not less than 4 inches and strike off at proper levels to receive finish.
- D. Winter Concreting
  - 1. Shall meet the requirements of ACI 306.
  - 2. Provide for maintaining concrete at a temperature not lower than 70°F for 3 days or 50°F for 5 days after placing.
  - 3. Approved by the Architect/Engineer for methods of heating materials and protecting concrete. The use of salts, chemicals or other foreign materials shall not be mixed with concrete for the purpose of preventing freezing.
- E. Hot Weather Concreting
  - 1. Shall meet the requirements of ACI 305.
  - 2. Do not exceed 90°F. maximum concrete temperature.
  - 3. Protect concrete from rapid moisture evaporation by covering with polyethylene sheeting or spraying.
  - 4. Provide wind breaks as necessary.
- F. Install perimeter insulation before placing concrete for slab.
- G. Form concrete slabs to thicknesses shown on Drawings but not less than 4 inches and strike off at proper levels to receive finish. Screed and tamp to eliminate voids in surfaces.
- H. Form floor slabs to pitch evenly to drains. Form exterior slabs to drain away from building.
- I. Fastening Devices of Other Work
  - 1. Provide for installation of inserts, anchors, dowels, bolts, thimbles and other fastening devices required for attachment of other work.
  - 2. Properly locate and secure in position before placing concrete.
- J. Joints
  - 1. Construct all joints indicated on Drawings.
  - 2. Control Joints
    - a. Depth: 1/4 thickness of slab, minimum 1½" depth.
    - b. Width: 3/16 inch maximum.
    - c. Walks and ramps: 5 ft. on center.
    - d. After placing concrete make interior concrete joints by inserting plastic control joint former or tooled joints.
    - e. Sawing of joints to the required depth shall start when the slab can withstand the weight of the saw, but before the end of the workday, that same day. Make sure the joints are sawn the same day the slab is placed, no exception.



- f. Flush joints with water immediately after sawing to remove residue.
  - g. Fill joints with sealant.
- 3. Expansion Joints
  - a. Install premolded joint filler where concrete slabs on grade abut structure and elsewhere indicated.
  - b. Install premolded joint filler full depth of slab except for joints permanently exposed, allow 3/8 inch at top and fill with joint sealant.
- 4. Construction Joints
  - a. Provide keyed joints between cast sections of slabs on grade.

### **3.3 CURING AND PROTECTION**

- A. Do not use dry sand or cement to take up excess free surface water.
- B. Cure concrete immediately after placing, finishing, and free water has disappeared.
- C. Protect concrete from moisture loss by water curing or application of membrane curing compound.
  - 1. Water Curing: By sprinkling or ponding to keep concrete continuously wet or by moisture retention covers.
  - 2. Compound Curing: By pressure spraying membrane curing as recommended by manufacturer in sufficient thickness to form an effective water seal.
- D. Cure concrete minimum of 7 days after placement.
- E. Protect fresh concrete from heavy rain, mechanical injury and injurious action of sun.
- F. Provide protection and cover concrete until project is completed to prevent construction work damage.

### **3.4 FIELD QUALITY CONTROL TESTS**

- A. Compression Tests
  - 1. Provide for test purposes one set of three cylinders taken for each day's concrete placement.
  - 2. Make test cylinders and cure in accordance with ASTM C-31 and C-39.
  - 3. Test one cylinder 7 days and one cylinder 28 days after concrete is placed. If the cylinders fail to meet the compression strength specified, the third cylinder shall be tested. Should all cylinders tested fail to meet the compression strength specified, all concrete in place as represented by the test cylinders shall be removed.

4. Contractor shall be responsible for payment of tests.

B. Slump Tests

1. Furnish slump cone and rod for use by the Inspector when concrete is being placed. Make tests at the place of deposit and in accordance with ASTM C-143.
2. Make tests periodically where cylinders are made and as often in the opinion of the Architect/Engineer when a change in consistency of the concrete mix is not

**3.5 CONCRETE FINISHES**

- A. Interior concrete floors: ACI 301 using steel trowel finish using circular power finishing machine and steel hand trowel to produce a true, hard, uniform surface.
- B. Exterior concrete slabs and sidewalks: ACI 301 with a light broom finish to texture approved by Architect/Engineer, edges and joints retooled smooth after brooming with 2" to 3" tool to provide a border for each section.
- C. Curbs and Drives: ACI 301 with a light broom finish (vertical and perpendicular to the curb line) to texture approved by the Architect/Engineer.

END 03 30 00

## **DIVISION 3- CONCRETE**

### **Section 03 73 00 – Concrete Patching and Repair**

#### **1. GENERAL**

##### **1.1 WORK INCLUDES**

A. Base Bid:

1. General Contractor provide:

- a. Removal of loose and defective face material and old patching material down to sound material.
- b. Repair of exposed reinforcing steel.
- c. Cleaning of existing sound substrate to receive new repair work.
- d. Installation of face pins at elevated/structural concrete facing.
- e. Application of bonding agent.
- f. Application of concrete patch.
- g. Finishing of new concrete patch / repair to match adjacent surfaces.

##### **1.2 RELATED SECTIONS**

A. Specified elsewhere:

1. Section 039300 — Epoxy Injection Repair.
2. Section 071900 — Water Repellent Penetrant.
3. Section 079005 — Joint Sealers.

##### **1.3 REFERENCES**

- A. ASTM C33 — Aggregate for Concrete.
- B. ASTM C 150— Portland Cement.
- C. ASTM C 881 - Standard Specification for Epoxy-Resin-Base Bonding Systems for Concrete.
- D. ASTM C 882 - Standard Test Method for Bond Strength of Epoxy-Resin Systems Used with Concrete by Slant Shear.
- E. ASTM C979 — Standard Specification for Pigments for Integrally Colored Concrete.
- F. ACI 201 .2R — Guide to Durable Concrete.

- G ACI 318— Building Code Requirements for Reinforced Concrete
- H. ACI 503.2 — Standard Specification for Bonding Plastic Concrete to Hardened Concrete.
- I. ACI 503R — Use of Epoxy Compounds with Concrete.
- J. PCI Manual, section on Repairs of Concrete Surfaces.
- K. Concrete Reinforcing Steel Institute (CRSI) — Manual for Standard Practice.

#### **1.4 QUALITY ASSURANCE**

- A. Contractor performing the work of this section shall have a minimum of five years specialized experience in the repair of precast surfaces similar in nature to this work and shall employ personnel skilled in the ‘use of the materials and methods specified.
- B. Contractor shall submit written record with bids of three projects for which similar work has been performed including project name, address, description of work, and phone number of client.
- C. Contractor shall submit letter from patching material manufacturer that the contract documents and project conditions have been reviewed and the materials proposed are suitable for the application indicated.

#### **1.5 SUBMITTALS**

- A. Submit under provisions of Section 01 33 23.
- B. Product data of all materials being used including instructions for handling, storage, installation, and protection.
- C. Mix designs of all types of concrete to be used.
- D. Mock-Ups: Provide mock-up of each design mix required. Locate sample as directed by Using Agency. Accepted sample repairs will form the standard for workmanship for remainder of work. Provide minimum 12” x 12” +/- concrete backed sample with all proposed accessories incorporated into sample. Concrete backing of samples to match existing in color and texture. Additional samples will be provided until quality of work is acceptable to the Architect, and Using Agency.

## **1.6 DELIVERY, STORAGE, AND HANDLING**

- A. Deliver products in original factory packaging bearing identification of product, manufacturer, batch number, and expiration date as applicable. Provide Material Safety Data Sheets for each product.
- B. Store products in a location protected from freezing, damage, construction activity, precipitation and direct sunlight in strict accordance with the manufacturer's recommendations.
- C. Condition for use in accordance with the manufacturer's recommendations.
- D. Handle all products with appropriate precautions and care as stated on the 'Material Safety Data Sheet.

## **1.7 PROJECT CONDITIONS**

- A. Do not use products under conditions of precipitation or freezing weather. Use appropriate measures for protection and supplementary heating to ensure proper curing conditions in accordance with manufacturer's recommendations if application during inclement weather occurs.
- B. Protect adjacent work from contamination due to mixing, handling, and application of the products.

## **2. PRODUCTS**

### **2.1 MATERIALS**

- A. Pin Injection Epoxy: High modulus, high strength, non-sag, moisture insensitive, 2-component epoxy resin adhesive, designed for vertical and overhead bonding which meets ASTM C-881 for type and grade appropriate for repair work.
- B. Pin Anchors: Stainless steel, type 302/304, 1/4" diameter threaded rods, cleaned and degreased, length as required. Minimum  $f_y=50$  ksi.
- C. Repair Mortar: Silica fume polymer-modified portland cement mortar intended for use as a patching mortar at thickness of ~1/2" and greater, freeze-thaw resistant, compatible with the coefficient of thermal expansion of concrete.
  - 1. Bond Strength: 1,000 psi at 28 days per ASTM C-882.
  - 2. Flexural Strength: 1,000 psi minimum at 28 days per ASTM C-293.
  - 3. Splitting Tensile Strength: 400 psi minimum at 28 days per ASTM C-496.

- 4. Compressive Strength: 1,500 psi at 1 day, 4,300 psi at 28 days per ASTM C109.
- D. Water: Potable, free of acids, oils, alkalis, and organic matter.
- E. Forms: Wood or metal as required to provide edge to match adjacent areas.
- F. Coloring Agent: As required to match adjacent concrete matrix.
- G. Reinforcing Bars: ASTM A 615, Grade 60 deformed.
- H. Bonding Agent: multi-component, solvent free, moisture-tolerant epoxy-modified cementitious product formulated as a bonding agent and anti-corrosion coating with bond strength of 2,800 psi mm. after 14 days moist cure per ASTM C-882.

## **2.2 MANUFACTURER**

- A. Sika Corporation, Armatec #110 EpoCem, Lyndhurst, NJ 07071  
ph.1-800-933-7452.
- B. Sto Corporation, Concrete Restoration Division, Sto Skim Coat #82216,  
Atlanta, GA, 30331 ph.1-404-346-3666.
- C. Thoro Corporation, "Thorite", Cleveland, OH 44122, ph. 1-216-839-7171

## **2.3 DESIGN MIX**

- A. The following IDOT Class S1 Concrete without water reducer was used on previous work at the building and provides a good match to existing precast veneer.

Actual mix will be determined by mock up.

- 1. Cement: 564 lbs.
- 2. Sand: 1,217 lbs.
- 3. Aggregate: 1,868 lbs.
- 4. Water: 275 lbs. (max. 33 gal.).
- 5. Admixture: 2.5 oz.
- 6. Total Weight: 3,924 lbs.
- 7. Air Content: 5-7%

### **3. EXECUTION**

#### **3.1 EXAMINATION**

- A. Inspect all areas involved in work to establish extent of work, access, and need for protection of surrounding construction.
- B. Protect all surroundings from epoxy resin adhesive and paste repair compounds including, but not limited to, Windows, roofs, walkways, drives, and landscaping.

#### **3.2 PREPARATION**

- A. Remove loose material by hand or mechanically in accordance with standard practice. Cut area back until coarse aggregate breaks by chipping rather than falling out. Saw cut to provide an even, smooth edge. Remove additional concrete as required to provide minimum thickness for repair, typically 1.5 times the maximum size of the aggregate.
- B. Sides of area to be patched should be vertical or slightly undercut. Cut back in an irregular pattern to minimize detection.
- C. Clean areas to be patched. Remove all traces of loose debris and dust by brushing or blowing out with compressed air.
- D. Inspect surfaces to receive epoxy resin adhesive repair material; ensure that substrate is clean, sound, properly cured, free of standing water, coatings, or curing compounds, foreign particles, oil, dust, grease, or laitance, that will adversely affect the bond of repair materials.

#### **3.3 APPLICATION**

- A. Repair any exposed reinforcing in accordance with standard practice.
- B. Install forms as required to provide correct size, shape, and alignment.
- C. Install ¼" threaded stainless steel pin anchors at 6" o.c. both ways and within 2" of edge of patch area. Drill holes and set anchors at approximately 45 degrees to backing surface and at opposing angles to each other. Set pins a minimum of 2" into backing and extend to within 18" of face of repair. Remove dust and fill with epoxy adhesive. Fill holes with epoxy, install pins, and hold in place until initially set.
- D. Coat all areas to receive patching material with bonding agent including inside face of edge cuts at rate as recommended by manufacturer.

- E. Install mortar firmly against and over bonding agent. Pack mortar firmly around pin anchors. Place layers in lifts of 1/2" maximum as required. Apply bonding agent between each lift. Strike final lift flush with adjacent surfaces. Match adjacent surfaces in color, texture, and finish.
- F. After the initial set, manually dress the patch to match adjacent surfaces. Install additional aggregate by hand as required to dress patch. Use a stiff brush and/or other devices as required to achieve the final texture. Provide moist curing of the patch as soon as possible and continue for a minimum of 3 days.

### **3.4 CLEANING**

- A. Remove excess epoxy from face of adjacent surfaces immediately using solvent recommended by manufacturer. Completely clean off all excess material, splatter, etc. from adjacent surfaces prior to applying water repellant penetrant.

### **3.5 SCHEDULE**

- A. Provide concrete patching and repair in the base bid based upon the specific locations indicated on the Project Drawings.

#### NOTES:

- CONCRETE PATCH AND REPAIR LOCATIONS INDICATED AND DEFINED ON THE PROJECT DRAWINGS
- THE GENERAL CONTRACTOR SHALL VISIT THE SITE, AND SATISFY HIMSELF OF THE EXTENT OF THE PROPOSED WORK BY PERSONAL EXAMINATION OF THE SITE AND IT'S SURROUNDINGS, AND MAKE HIS OWN ESTIMATE BASED ON HIS REVIEW OF THE FACILITIES AND DIFFICULTIES ATTENDING THE PERFORMANCE AND FULL COMPLETION OF THE PROJECT.
- THE GENERAL CONTRACTOR SHALL CAREFULLY EXAMINE THE SITE AND SCOPE OF WORK. NO PLEAS OF IGNORANCE OF CONDITIONS THAT EXIST OR THAT MAY HEREAFTER EXIST, OR OF CONDITIONS OR DIFFICULTIES THAT MAY BE ENCOUNTERED IN THE EXECUTION OF THE WORK AS A RESULT OF FAILURE TO MAKE A PROPER EXAMINATION AND INVESTIGATION WILL BE ACCEPTED AS AN EXCUSE FOR ANY FAILURE OR OMISSION ON THE PART OF THE GENERAL CONTRACTOR TO FULFILL IN EVERY DETAIL ALL OF THE REQUIREMENTS OF THE PROJECT SPECIFICATIONS AND DRAWINGS, OR WILL BE ACCEPTED AS A BASIS FOR ANY CLAIMS WHATSOEVER FOR EXTRA COMPENSATION.



- THE BID REQUESTED IS FOR A COMPLETE PROJECT, AND NOT A BID BASED ON UNIT COSTS.

**END OF SECTION**

**DIVISION 3— CONCRETE**  
**Section 039300 — Epoxy Injection Repair**

**1. GENERAL**

**1.1 WORK INCLUDES**

- A. Base Bid:
  - I. General Contractor provide:
    - a. Cleaning surface including efflorescence at crack.
    - b. Epoxy injection of cracked concrete structures with epoxy resin adhesive.

**1.2 RELATED SECTIONS**

- A. Specified elsewhere:
  - 1. Section 037300 — Concrete Patching and Repair..
  - 2. Section 071900 — Water Repellant Penetrant.
  - 3. Section 079005 — Joint Sealers.

**1.3 REFERENCES**

- A. ASTM C 881 - Standard Specification for Epoxy-Resin-Base Bonding Systems for Concrete.
- B. ASIM C 882 - Standard Test Method for Bond Strength of Epoxy-Resin Systems Used with Concrete by Slant Shear.
- C. ACI 503 R — Use of Epoxy Compounds with Concrete.

**1.4 DELIVERY, STORAGE, AND HANDLING**

- A. Deliver products in original factory packaging bearing identification of product, manufacturer, batch number, and expiration date as applicable. Provide Material Safety Data Sheets for each product.
- B. Store products in a location protected from freezing, damage, construction activity, precipitation and direct sunlight in strict accordance with the manufacturer's recommendations.
- C. Condition products to approximately 60 to 70 degrees F (16 to 21 degrees C) for use in accordance with the manufacturer's recommendations.

- D. Handle all products with appropriate precautions and care as stated on the Material Safety Data Sheet.

## **1.5 QUALITY ASSURANCE**

- A. Contractor performing the work of this section shall have a minimum of five years specialized experience in the repair of precast surfaces similar in nature to this work and shall employ personnel skilled in the use of the materials and methods specified.
- B. Contractor shall submit written record with bids of three projects for which similar work has been performed including project name, address, description of work, and phone number of client.
- C. Contractor shall submit letter from patching material manufacturer that the contract documents and project conditions have been reviewed and the materials proposed are suitable for the application indicated.

## **1.6 SUBMITTALS**

- A. Submit under provisions of Section 01 33 23.
- B. Product Data: Submit for proprietary materials and items including information on handling, storage, installation, and protection.
- C. Certification: Manufacturer's certification that materials are compatible when installed in the specified manner.
- D. Mock-Up: Provide test repair at location on building component as directed by User Agency and A/E showing all phases of repair method. Do not proceed until the repair method has been approved by User Agency and A/E. Remove rejected test repairs and replace with approved method. Additional test locations shall be provided as required until method and result is acceptable to the User Agency and A/E.

## **1.7 PROJECT CONDITIONS**

- A. Do not use products under conditions of precipitation or freezing weather. Use appropriate measures for protection and supplementary heating to ensure proper curing conditions in accordance with manufacturer's recommendations if application during inclement weather occurs.
- B. Protect adjacent work from contamination due to mixing, handling, and application of epoxy resin adhesive products.

## **2. PRODUCTS**

### **2.1 MANUFACTURERS**

#### **A. Acceptable Manufacturer:**

1. Chemco Systems, Kemko Injection Product #038-IR, Redwood City, CA 94063 ph. 1-650-261-3790
2. Sika Corporation, Sikadur Combiflex, Lyndhurst, NJ 07071 ph.800-933-7452.
3. Sto Corporation, Concrete Restoration Division, Sto Flexible Crack Filler #80214 Atlanta, GA, 30331 ph 404-346-3666.

### **2.2 MATERIALS**

- A. Pressure Injection Crack Sealer: Two component 100% solids epoxy crack repair; cap sealer and injection epoxy conforming to ASTM C 881.
- B. Injection Ports for Automated Application: Supplied by manufacturer of pressure injection equipment.
- C. Water: Potable, free of acids, oils, alkalis, and organic matter.

## **3. EXECUTION**

### **3.1 EXAMINATION**

- A. Inspect all areas involved in work to establish extent of work, access, and need for protection of surrounding construction.
- B. Protect all surroundings from epoxy resin adhesive and paste repair compounds including, but not limited to, windows, roofs, walkways, drives, and landscaping.

### **3.2 PREPARATION**

- A. Inspect surfaces to receive epoxy resin adhesive repair material; ensure that substrate is clean, sound, properly cured, free of standing water, coatings, or curing compounds, foreign particles, oil, dust, grease, or laitance, that will adversely affect the bond of repair materials.
- B. Remove loose material by hand or mechanically in accordance with standard practice.
- C. Clean areas to be injected and adjacent areas; clean by water blast, with appropriate low pressure and brushes as directed by the A/E.

### **3.3 APPLICATION**

- A. Remove dirt, contaminants, and other foreign materials from around area to be repaired in accordance with manufacturer's instructions. Do not cut or widen crack.
- B. Install cap seal to the crack forcing seal around the ports and sealing the crack. Material to be capable of containing injection process without defacing or leaving residue on adjacent surfaces. Allow material to cure before pressure injecting the crack.
- C. Mix repair material as directed by manufacturer.
- D. Pressure inject material at low pressure into ports to fill crack at spacing not more than thickness of facing.
- E. Finish crack face with material to minimize evidence of sealant or holes.

### **3.4 CLEANING**

- A. Protect all surroundings from foreign products.
- B. Remove epoxy resin gel and injection ports mechanically after epoxy resin adhesive repair materials have properly cured as directed by the A/E.
- C. Remove uncured materials from tools and equipment with solutions as recommended by the manufacturer immediately after use. Remove cured material mechanically.
- D. Remove all debris related to the application of the epoxy adhesive from the job site in accordance with all applicable regulations for hazardous waste disposal.

### **3.5 SCHEDULE**

- A. Provide crack injection and cleaning in the Base Bid based upon the repair requirements as indicated and located on the Project Drawings.

NOTES:

- CONCRETE RE PAIR LOCATIONS ARE SHOWN ON THE PROJECT DRAWINGS.
- THE GENERAL CONTRACTOR SHALL VISIT THE SITE, AND SATISFY HIMSELF OF THE EXTENT OF THE PROPOSED WORK BY PERSONAL EXAMINATION OF THE SITE AND IT'S SURROUNDINGS, AND MAKE HIS OWN ESTIMATE BASED ON HIS REVIEW OF THE FACILITIES AND DIFFICULTIES ATTENDING THE PERFORMANCE AND FULL COMPLETION OF THE PROJECT REQUIREMENTS.
- THE GENERAL CONTRACTOR SHALL CAREFULLY EXAMINE THE SITE AND SCOPE OF WORK. NO PLEAS OF IGNORANCE OF CONDITIONS THAT EXIST OR THAT MY HEREAFTER EXIST, OR OF CONDITIONS OR DIFFICULTIES THAT MAY BE ENCOUNTERED IN THE EXECUTION OF THE WORK AS A RESULT OF FAILURE TO MAKE A PROPER EXAMINATION AND INVESTIGATION WILL BE ACCEPTED AS AN EXCUSE FOR ANY FAILURE OR OMISSION ON THE PART OF THE GENERAL CONTRACTOR TO FULFILL IN EVERY DETAIL ALL OF THE REQUIREMENTS OF THE PROJECT SPECIFICATIONS AND DRAWINGS, OR WILL BE ACCEPTED AS A BASIS FOR ANY CLAIMS WHATSOEVER FOR EXTRA COMPENSATION.
- THE BID REQUESTED IS FOR A COMPLETE PROJECT, AND NOT A BID BASED ON UNIT COSTS.

**END OF SECTION**



## **DIVISION 4 MASONRY**

### **Section 04 20 00 – Unit Masonry**

#### **1. GENERAL**

##### **1.1 WORK INCLUDES**

###### **A. Base Bid:**

###### **1. General Contractor provide:**

- a. Clay face brick.
- b. Stone trim units.
- c. Mortar and grout.
- d. Masonry joint reinforcement.
- e. Ties and anchors.
- f. Embedded (through-wall) flashing.
- g. Miscellaneous masonry accessories.

##### **1.2 RELATED WORK**

###### **A. Specified elsewhere:**

1. 033000 – Cast-in-Place Concrete
2. 071900 – Water Repellant Penetrant
3. 079005 – Joint Sealers

##### **1.3 QUALITY ASSURANCE**

- A. Qualifications of installer shall be not less than ten 9100 years of documented experience in construction of masonry project of similar scope and complexity.
- B. Perform masonry work in accord with local building code requirements pertinent ASTM and ANSI provisions.
- C. Manufacturers Data: Submit manufacturer's data for all materials and products proposed for use in work of this section.
- D. Mock-up Sample Panel: Submit samples of face brick materials to match existing face brick masonry on the building as closely as possible for the Architect's review. Erect a sample panel 4 foot long by 3 foot high showing the proposed color range, texture, bond, mortar, mortar color, and workmanship. The contractor shall not begin work until the sample panel has been approved by the Architect. Do not destroy or move panel until all masonry work is completed and accepted by the A/E.



#### **1.4 PRODUCT DELIVERY, STORAGE AND HANDLING**

- A. Deliver materials to job site in sufficient quantity, and time, in original, packaging with manufacturer's label indicating brand name, style, color, etc..
- B. Store materials in original packaging, on skids.
- C. Care shall be taken to prevent damage during delivery, storage, and handling.

#### **1.5 SUBMITTALS**

- A. In accord with 013323.

#### **1.6 WARRANTY**

- A. In accord with Section 017836
  - 1. General Contractor warranty: 5 years.
  - 2. Manufacturer's warranty.

### **2. PRODUCTS**

#### **2.1 MATERIALS**

- A. Clay Face Brick
  - 1. ASTM C216, Type FSB, Grade SW, nominal dimensions to match existing face brick on building.
  - 2. Match face brick, mortar joint, mortar color, bond, patterning, etc., with that existing on the Anderson and Somerville buildings.
  - 3. Face Brick Acceptable Manufacturers:
    - a. Richards Brick, Edwardsville, Illinois.
    - b. Streator Brick, Streator, Illinois.
    - c. Belden Brick, Canton, Ohio.
- B. Stone Trim Units
  - 1. Limestone: ASTM C 568/C 568M, Classification II, Medium or Classification III High Density.
    - a. Variety and Sources: Indiana oolitic limestone quarried in Lawrence, Monroe, or Owen counties, Indiana. Grade and color to match existing stone contained on the buildings as closely as possible.

- b. Provide stone units accurately shaped with exposed faces dressed true to match existing stone as closely as possible, and with beds and joints at right angles to faces, in accordance with recommendations in ILI's "Indiana Limestone Handbook".

#### C. Mortar and Grout Materials

1. Portland Cement: ASTM C150 normal – Type I, match existing color
2. Masonry Cement: Not Allowed
3. Aggregates: ASTM C144
4. Hydrated Lime: ASTM C207, Type S
5. Quicklime: ASTM C5
6. Water: Potable Water
7. Mortar Color: Mineral Oxide Pigment, Color: Match existing mortar colors for new brickwork.
8. Manufacturers:
  - a. Holcim (US) Inc.
  - b. Lafarge North America, Inc.
  - c. Lehigh Hanson / Heidelberg Cement Group.
  - d. Solomon Minerals.
  - e. BASF Corp.
  - f. GCP Applied Technologies (Grace Construction Products)

#### D. Masonry Ties and Anchors

1. General: Ties and anchors shall extend at least 1½ inches into veneer but with at least a 5/8 inch cover on outside face.
2. Ties: For brick veneer to reinforced concrete dovetail anchors, 3/16 inch triangular wire ties fitted to 12 ga. Dovetail anchor, hot-dipped galvanized, after steel fabrication.
3. Anchors: For brick veneer to reinforced concrete. Standard dovetail anchor slot with 1" x 1" x 5/8" throat, 22 ga., hot-dipped galvanized, after steel fabrication.
  - a. Manufacturers:
    - 1) Heckman Building Products, Inc.
    - 2) Dur-O-Wall, Inc.
    - 3) Homan and Barnard, Inc.

E. Embedded (through-wall) Flashings

1. Metal Flashing: Proved metal flashing complying with SMACNA's "Architectural Sheet Metal Manual".
2. Stainless Steel, ASTM A240/A 240M or ASTM A666, Type 304, 0.016 inch Thick, or Copper/fabric material composed of three (3) oz. copper sheet permanently bonded between two (2) sheets of glass fabric.
3. Manufacturers: Subject to compliance with requirements and manufacturers offering products that may be incorporated into the work, including, but not limited to: flexible flashings for certain conditions, solder and sealants for sheet metal flashings, primers, adhesives, seam tapes, stainless steel termination bars, etc.
  - a. Mortar Net Solutions
  - b. AFCO Products
  - c. York Mfg., Inc.
  - d. Polytite Mfg. Corp.
  - e. Sandall Mfg. Co., Inc.

F. Miscellaneous Masonry Accessories

1. Certain miscellaneous masonry accessories that may be required for this project, but not limited to these items are as follows:
  - a. Compressible Filler: Pre-molded filler strips complying with ASTM D1056, Grade 2A1, compressible up to 35 percent of the width and thickness, formulated from neoprene urethane or PVC.
  - b. Preformed Control-Joint Gaskets: Made from styrene-butadiene-rubber compound, complying with ASTM D2000.
  - c. Bond Breaker Strips: Asphalt-saturated felt complying with ASTM D226/D 226M, Type I (No. 15 asphalt felt).
  - d. Weep/Cavity Vent Products: Use the following unless otherwise indicated. Vinyl Weep Hole/Vent units made from flexible PVC.
    - 1) Manufacturers: Subject to compliance with requirements
      - a) Hohmann and Barnard, Inc.
      - b) Williams Products, Inc.
      - c) Wire-Bond

### **3. EXECUTION**

#### **3.1 EXAMINATION**

- A. Verify field conditions are acceptable and are ready to receive work.
- B. Verify items provided by other sections of work are properly sized and located.
- C. Beginning of installation and execution means installer accepts existing conditions.

**3.2 PREPARATION/INSTALLATION:** Direct and coordinate placement of metal anchors supplied to other Sections, and provide any required temporary bracing during installation of masonry work, and maintain in-place until permanent bracing can be installed.

**3.3 COURSING:** Establish lines, levels, and coursing as required, and protect form displacement. Maintain masonry coursing to uniform dimensions, and form vertical and horizontal joints of uniform thickness. Lay face brick in bond patterning to match existing face brick masonry on building.

**3.4 PLACING AND BONDING:** Lay masonry units in full bed of mortar with full head joints, uniformly jointed with other work. Remove excess mortar as work progresses, and interlock intersections and external corners. Perform job site cutting of masonry units, when required, with proper tools. Prevent broken masonry units, edges, and corners.

**3.5 WEEPS:** Install weep holes in veneer at a maximum of 32 inches on center horizontally above through wall flashing, at headers or head conditions, and at bottom of walls. Lay 3/8 inch round, 12 inch long cotton rope in each weep hole and lay horizontally in cavity, or use preformed weeps as specified. Do not permit mortar to drop or accumulated in to cavity space to plug weep holes.

**3.6 REINFORCEMENT AND ANCHORAGES:** Install horizontal joint reinforcement at 16 inches on center, provide ties/anchors embedded in concrete.

**3.7 MASONRY FLASHINGS:** Extend flashings through veneer, turn up minimum 8 inches and bed into mortar joint of masonry and seal to concrete.

**3.8 CONTROL AND EXPANSION JOINTS:** Install preformed control device in continuous lengths, seal, butt and corner joints in accordance with manufacturer's recommendations/instructions. Install vertical expansion joints at 28 feet on center maximum..

**3.9 CLEANING:** Clean work under provisions of Section 017413 and 017423, remove excess mortar and mortar smears from face brick and adjacent materials, replace defective mortar, match adjacent work, clean soiled surfaces with approved cleaning solution, use non-metallic tools in cleaning operations.

**3.10 PROTECTION OF FINISHED WORK:** Protect finished installation under provisions of Section 016600. Without damaging completed work, provide protective boards at exposed external corners which may be damaged by construction activities.

**END OF SECTION**

**DIVISION 5 – METALS**  
**Section 05 50 00 – Metal Fabrications**

**1. GENERAL**

**1.1 WORK INCLUDES:**

- A. Base Bid:
  - 1. General Contractor provide:
    - a. Miscellaneous metal fabrications as shown on the Project Drawings
    - b. Handrails
    - c. Guardrails

**1.2 RELATED WORK:**

- A. Specified Elsewhere:
  - 1. American Society for Testing and Materials Standards (ASTM)
  - 2. 06 10 00 – Carpentry
  - 3. 07 90 05 – Joint Sealers

**1.3 SUBMITTALS**

- A. Submit shop drawings under provisions of Section 013323.

**1.4 PRODUCT DELIVERY, STORAGE AND HANDLING**

- A. Store and handle material to prevent deterioration and/or damage.

**2. PRODUCTS**

**2.1 MATERIALS**

- A. Steel plate – comply with A36.
- B. Steel pipe – comply with ASTM A53, or comply with ASTM120, schedule 40.
- C. Arc welding electrodes: comply with AWS A5.1, using E60 or E70

**2.2 FABRICATION**

- A. Verify dimensions on site prior to shop fabrication.
- B. Fit and shop assemble in largest practical sections for delivery to site.
- C. Grind exposed welds flush and smooth with adjacent finished surfaces.

## **2.3 FINISH**

- A. Clean surfaces of rust, scale, grease, and foreign matter prior to finishing.
- B. All items to be hot-dip galvanized after fabrication in accordance with ASTM A 123.

## **3 EXECUTION**

### **3.1 INSTALLATION**

- A. Install items plumb and level in strict accordance with the original design, the approved shop drawings, manufacturers recommendations, and pertinent requirements of governmental agencies having jurisdiction.
- B. Coordinate as required with other trades.
- C. Install sealant as required.
- D. Upon completion of installation, touch up field welds and abraded surfaces using zinc-rich primer.

END 05 50 00

**DIVISION 6 - WOOD & PLASTICS**  
**Section 06 10 00- Carpentry**

**1. GENERAL**

**1.1 WORK INCLUDES**

A. Base Bid:

1. General Contractor Provide:

- a. Framing and boxing required to accommodate installation of new column capitals and related trim, refer to Section 06 66 20.
- b. Framing and boxing required to accommodate installation of new storm water piping and headwall construction.
- c. Installation of miscellaneous framing, bracing, blocking, grounds, curbs, headers, etc.

**1.2 RELATED WORK**

A. Specified Elsewhere:

1. Section 03 10 00 – Concrete Formwork
2. Section 03 20 00 – Concrete Reinforcement
3. Section 03 30 00 – Cast-in-Place Concrete
4. Section 06 66 20 – Manufactured Ornaments and Trim
5. Section 09 90 00 – Paintings and Coatings

**1.3 QUALITY ASSURANCE**

A. Grading rules of the following associations apply to materials furnished under this section:

1. Southern Pine Inspection Bureau (SPIB).
2. West Coast Lumber Inspection Bureau (WCLIB).
3. Western Wood Products Association (WWPA).
4. American Plywood Association (APA).
5. U.S. Product Standard.
6. Commercial Standard (CS).
7. The Architectural Woodwork Institute (AWI).
8. American Hardwood Association (AHA).

B. Grade Marks:

1. All lumber shall be grade stamped indicating symbol of grading agency, mill number, grade of lumber, species, rules under which graded.
2. All plywood shall be identified with the appropriate grade-trade-mark of the APA.

C. Preservative treated lumber shall bear the Quality Mark of the American Wood Preservers Bureau, LP2.



## **1.4 SUBMITTALS**

- A. Shop Drawing Submittals, in accord with Section 01 22 23.

## **1.5 DELIVERY, STORAGE AND HANDLING**

- A. Immediately upon delivery of job site:
  - 1. Store materials a minimum of 6 inches above ground, on blocking.
  - 2. Cover with protective waterproof cover providing for adequate air circulation or ventilation.
- B. Do not store seasoned materials in wet or damp areas.
- C. The woodwork manufacturer and the general contractor shall be jointly responsible to make certain that woodwork is not delivered until the building and storage areas are sufficiently dry, so that the woodwork will not be damaged by excessive changes in moisture content.

## **2. PRODUCTS**

### **2.1 MATERIALS**

- A. Lumber:
  - 1. Dimensions shown and/or specified are nominal.
  - 2. Maximum moisture content of lumber 2 inches or less in thickness represented as kiln dried shall be dried to 15%, and over 2 inches to 19%.
  - 3. Surface four sides (S4S) unless specified or shown otherwise.
  - 4. Lumber for blocking, grounds and curbs shall be #2 or better Southern Yellow Pine.
- B. Pressure Treated Wood Products indicated on Drawings as "treated" shall be impregnated with Chromated Copper Arsenate (CCA) conforming to American Wood Preservers Association (AWPA) Standard P5. The preservative shall be applied in a closed cylinder by pressure process in accordance with AWPA Standard C2. Retention of CCA dry salts shall be .23 pounds per cubic foot.

## **3. EXECUTION**

### **3.1 CONDITIONS OF SURFACES**

- A. Verify that existing or new surfaces to receive rough and finished carpentry materials are prepared plumb, square, true, and to exact grades and/or dimensions.

END 06 10 00

## **DIVISION 6 – WOOD & PLASTICS**

### **Section 06 66 20 – Manufactured Ornaments and Trim - Urethane**

#### **PART 1 - GENERAL**

##### **1.1 WORK INCLUDES:**

###### **A. Base Bid:**

###### **1. General Contractor provide:**

- a. Furnishing and installing custom Urethane Foam Manufactured Trim and Ornament Products.
1. Ornamental reproduction of existing column capitals and related trim.

##### **1.2 RELATED SECTIONS:**

###### **A. Specified elsewhere:**

1. 06 10 00 – Carpentry
2. 06 20 00 – Finish Carpentry
3. 07 90 00 – Joint Sealers
4. 09 90 00 – Painting and Coatings

##### **1.3 DESIGN / PERFORMANCE REQUIREMENTS:**

- A. Finished surfaces shall be free from cracks, pits, chips, voids, depressions, bumps, ridges waves, scratches, discoloration or other defacements.
- B. Products in this section shall be designed, engineered, fabricated and installed to conform to project drawings and specifications.
- C. Determine suitability of products to meet project and code requirements.

##### **1.4 SUBMITTALS:**

- A. Comply with provisions of Section 01 33 23 regarding submittal procedures.
- B. Product Data: Provide Manufacturer's Data for each product to be used, including: storage and handling requirements and recommendations; preparation instructions and recommendations and installation instructions.
- C. Shop drawings: Submit detailed drawings showing location, profiles and product components, including but not limited to anchorage requirements, accessories and provisions for achieving desired finishes. Submit one set of CAD files for approval.
- D. Product Samples: Submit duplicate samples for each product component specified, representing the actual profiles, products, patterns and finishes specified. One approved sample will be returned to contractor.

1.5 QUALITY ASSURANCE:

- A. Manufacturer Qualifications: Manufacturer shall have not less than 10 years successful experience in producing the type of prefabricated components required for project applications equivalent to the requirements for this project.
- B. Installer Qualifications: Installer shall have a minimum of 5 years experience installing products of similar type and scope as those specified in this section.
- C. Mock-Up: Provide a mock-up for evaluation of surface preparation techniques and application workmanship.
  - 1. Finish areas as designated by Architect.
  - 2. Include mock-up for typical installation indicated on the drawings.
  - 3. Do not proceed with remaining work until workmanship, color and sheen are approved by Architect.
  - 4. Rework mock-up areas as required to produce acceptable work.
  - 5. Mock-up may remain as finished work if approved by Architect.

1.6 DELIVERY, STORAGE AND HANDLING:

- A. Deliver all materials in original packaging, unopened with no visible damage.
- B. Label each package with product contents and stock number of contents, with warranty, installation, handling and storage recommendations enclosed, available on-line or on packaging.
- C. Allow for receiving, unloading, handling and movement to approved storage areas within project, and final movement to point of installation.
- D. Store and protect all materials in accordance with manufacturer's requirements for environmental and physical protection. Keep temporary protective coverings in place.
- E. Store products on flat level surface to prevent warping.
- F. Protect materials and finish from damage during handling and installation.

1.7 PROJECT CONDITIONS:

- A. Maintain environmental conditions (temperature, humidity and ventilation) within limits recommended by manufacturer for optimum results. Do not install products under environmental conditions outside manufacturer's recommendations.
- B. Allow at least 24 hours for materials to adapt to conditions at project site prior to installation.

1.8 WARRANTY:

- A. Upon completion of work, provide a written Manufacturer's Limited Warranty for products installed as part of this project to the Original Owner.

## **PART 2 - PRODUCTS**

### **2.1 MANUFACTURERS:**

#### **A. Acceptable Manufacturer:**

1. Fypon, LLC., 1750 Indian Wood Circle, Maumee, Ohio 43537  
Phone: 800/446-3040 (U.S. or Canada, Fax: 800/446-9373 (U.S. or Canada), <http://www.fypon.com>, Contact: Rod Clark, [relark@thermatru.com](mailto:relark@thermatru.com), 458.206.8532.
2. MiraTEC by Jeld-Wen, Inc., 825 Shiner Road, PO Box 311, Towanda, Pennsylvania 18848, [www.miratectrim.com](http://www.miratectrim.com), [miratec@jeld-wen.com](mailto:miratec@jeld-wen.com).
3. Romac Custom Injection Products, 35 Carson Street, Entobicoke, Ontario M8W 3R7, [info@romacproducts.com](mailto:info@romacproducts.com), 416-255-7900.
4. Apex urethane Millwork, 105 Church Street, Red Lion, PA 17356, [info@aumill.com](mailto:info@aumill.com), 717-246-1948.

### **2.2 MATERIALS:**

#### **A. Manufactured polyurethane ornaments and related trim:**

1. Decorative Ornaments, Trim/Mouldings, and Accessories:  
Prime coated, as manufactured from existing ornament elements for in-kind reproduction, as shown on the project drawings, and as specified herein.

### **2.3 ACCESSORIES:**

- A. Sealant: Use a compatible urethane-based adhesive.
- B. Fasteners: Use corrosive-resistant fasteners.
- C. Filler: Use a compatible filler putty.

### **2.4 FINISHES:**

- A. Manufacturer supplied protective barrier coat primer, resistant to UV degradation, providing interim UV protection of products which is suitable for field application of 100% acrylic latex finish paint on all urethane foam products.

## **PART 3 - EXECUTION**

### **3.1 EXAMINATION:**

#### **A. Site Verification of Conditions:**

1. Prior to the start of installation, inspect all preceding work to ensure that there are no conditions which will cause an unsatisfactory installation of work involving polyurethane foam products.
2. Notify Architect in writing of any unacceptable conditions that would adversely affect installation or subsequent performance of this product.

3. Do not install any work involving polyurethane foam products until unsatisfactory conditions are corrected and acceptable for proper installation of work.
  4. Contractor shall be responsible for correcting or replacing all unacceptable work involving urethane products, which were installed over unsatisfactory conditions at no cost to the Using Agency or the CDB..
- 3.2 PREPARATION:
- A. Protect surrounding and adjacent work as required preventing damage to preceding work during execution of this work.
  - B. Perform all preparation necessary for a successful installation of products as specified in manufacturer's installation instructions.
- 3.3 INSTALLATION:
- A. Obtain Manufacturer's instructions for successful installation of work to be performed and become knowledgeable with all material handling and installation recommendations for custom installations.
  - B. Ensure full compliance with Manufacturer's instructions in all aspects of tasks required by this work. Install products in accordance with manufacturer's instructions at locations indicated on the drawings for custom installation.
  - C. Coordinate all work with other project trades to assure proper installation and provide proper accommodations for following work by other trades.
- 3.4 FIELD QUALITY CONTROL:
- A. After installation, check all work for flaws and defects.
  - B. Repair all defective work.
  - C. Remove and replace all damaged components that cannot be successfully repaired as determined by Project Architect.
- 3.5 PROTECTION:
- A. Install temporary protective materials necessary to prevent damage to materials installed in this work until final acceptance of the project.
- 3.6 CLEANING:
- A. Remove all protection materials.
  - B. Clean all surfaces following manufacturer's recommendations prior to final project completion. Do not use harsh cleaning materials or methods that would damage finish.
  - C. Dispose properly of all debris generated by this work, protection materials and cleaning materials.

**END OF SECTION 06 66 20**

## **DIVISION 7- THERMAL & MOISTURE PROTECTION**

### **Section 071900 - Water Repellent Penetrant**

#### **1. GENERAL**

##### **1.1 WORK INCLUDES**

A. Base Bid:

1. General Contractor provide:
  - a. Cleaning of existing repaired concrete surfaces of dirt, stains, efflorescence, and other foreign material in preparation to accept penetrant.
  - b. Installation of clear water repellent penetrant over all visible surfaces of newly repaired exposed concrete material.

##### **1.2 RELATED SECTIONS**

- A. Specified elsewhere:
1. Section 03 73 00 – Concrete Patching Repair.
  2. Section 03 93 00 - Epoxy Injection Repair.
  3. Section 04 20 00 – Unit Masonry
  3. Section 07 90 05 - Joint Sealers.

##### **1.3 REFERENCES**

- A. ES SS-W-1 10 - Water Repellent, Colorless Silicone, Resin Base.

##### **1.4 SYSTEM DESCRIPTION**

- A. Applied Penetrant: To exhibit an ability to restrict moisture absorption in material being treated.

##### **1.5 SUBMITTALS FOR REVIEW**

- A. Submit under provisions of Section 013323.
- B. Product Data: Provide details of product description, tests performed, limitations to coating, and chemical properties including percentage of solids.
- C. Manufacturer's Installation Instructions: Indicate special procedures and conditions requiring special attention; cautionary procedures required during application.

## **1.6 QUALITY ASSURANCE**

- A. Manufacturer: Company specializing in manufacturing the Products specified in this section with minimum five years experience.
- B. Applicator: Company specializing in performing the work of this section with a minimum five years experience.

## **1.7 DELIVERY, STORAGE, AND PROTECTION**

- A. Deliver products in original factory packaging bearing identification of product, manufacturer, batch number, and expiration date as applicable. Provide Material Safety Data Sheets for each product.
- B. Store products in a location protected from freezing, damage, construction activity, precipitation and direct sunlight in strict accordance with the manufacturer's recommendations.
- C. Condition for use in accordance with the manufacturer's recommendations.
- D. Handle all products with appropriate precautions and care as stated on the Material Safety Data Sheet.

## **1.8 PROJECTION CONDITIONS**

- A. Do not install product during adverse weather conditions.
- B. Ensure that the surface and ambient temperatures are within the range recommended by the manufacturer.
- C. Protect adjacent surfaces not to receive water repellent pentrant from overspray, and provide cleaning as recommended by the manufacturer of adjacent surfaces not to receive water repellent penetrant.

## **1.9 WARRANTY**

- A. Correct defective work within a 1 year period after Date of Substantial Completion.

## **2. PRODUCTS**

### **2.1 MANUFACTURERS**

- A. Applied Polymers of America, Inc., Wayne, NJ.
- B. Silvento, Inc., Somerset, NJ, 800-828-0919.
- C. L&M Construction Chemicals, Inc., Omaha, NE, 800-362-3331.
- D. Hydrozo Inc., Shakopee, MN, 952-496-6000.
- E. Pecora Corporation, Dallas, TX, 800-233-9754.

### **2.2 MATERIALS**

- A. Coating: ES SS-W-110, Silane; colorless; containing 20 percent minimum active ingredient. Ethanol , water, or solvent based polymerized silane solution.

## **3. EXECUTION**

### **3.1 EXAMINATION**

- A. Verify joint sealants are installed and cured.
- B. Verify surfaces to be coated are dry, clean, and free of efflorescence, oil, or other matter detrimental to application of coating.

### **3.2 PREPARATION**

- A. Remove loose particles and foreign matter.
- B. Remove oil or foreign substance with a chemical solvent, which will not affect coating, as recommended by manufacturer.
- C. Scrub and rinse surfaces with water and let dry.
- D. Mask off and cover adjacent surfaces to prevent contamination by repellent.

### **3.3 APPLICATION**

- A. Apply coating in accordance with manufacturer's instructions.
- B. Apply one coating to all exposed aggregate surfaces of the building as indicated on the Project Drawings.



### **3.4 PROTECTION TO FINISHED AND ADJACENT WORK**

- A. Protect adjacent surfaces not scheduled to receive coating.
- B. Protect landscaping and other property.
- C. If applied to unscheduled surfaces, remove immediately by a method instructed by coating manufacturer.
- D. Follow procedures to avoid coating vehicles and other equipment.

**END OF SECTION**

## **DIVISION 7- THERMAL & MOISTURE PROTECTION**

### **Section 079005 - Joint Sealers**

#### **1. GENERAL**

##### **1.1 WORK INCLUDES**

A. Base bid:

1. General contractor provide:

- a. Removal and cleaning of any existing backer sealant as required.
- b. Install sealing and caulking of joints, including joint fillers and accessories as shown on the drawings and specified herein.

##### **1.2 RELATED SECTIONS**

A. Specified elsewhere:

1. Section 033000 – Concrete
2. Section 042000 – Unit Masonry
2. Section 055000 – Metal Fabrications
3. Section 099000 – Painting and Coatings
4. Section 321313 – Concrete Paving

##### **1.3 REFERENCES**

- A. ASTM C804 — Recommended Practice for Use of Solvent Release Sealers.
- B. ASTM C920 - Standard Specification for Elastomeric Joint Sealants.
- C. ASTM C1 193 - Standard Guide for Use of Joint Sealants.
- D. ASTM D1 056 - Flexible Cellular Materials--Vinyl Chloride Polymers and Copolymers (Open-Cell Foam).
- E. ASTM D1667 - Standard Specification for Flexible Cellular Materials—Vinyl Chloride Polymers and Copolymers (Closed-Cell Foam).

##### **1.4 SUBMITTALS**

- A. Submit under provisions of Section 01 33 23.
- B. Product Data: Manufacturer's data on each product including sealer, primer, and cleaners and installation instructions.
- C. Samples for each color to be selected from manufacturer's custom line to match existing colors.

## **1.5 QUALITY ASSURANCE**

- A. Installer to be experienced in a minimum of ten projects of similar size and scope.
- B. Obtain materials from a single manufacturer.
- C. Mock-Up: Provide sample at location on building as directed by Using Agency. Do not proceed until color and installation method has been approved by Using Agency and A/E. Remove rejected samples and replace with approved sample. Additional sample locations will be provided as required until method and result is acceptable to the Using Agency and A/E.
- D. Certificate: From manufacturer of product's compliance with specification requirements and suitability for use in their applications.

## **1.6 ENVIRONMENTAL REQUIREMENTS**

- A. Maintain temperature and humidity recommended by the sealant manufacturer during and after installation.

## **1.7 WARRANTY**

- A. Correct defective work within a ten year period after Date of Substantial Completion, see section 017836
- B. Warranty: Include coverage for material and labor to replace installed sealants and accessories which fail to achieve watertight seal, exhibit loss of adhesion or cohesion, or do not cure.

## **2. PRODUCTS**

### **2.1 MANUFACTURER**

- A SEALANT / SEALER
  - 1. DOW - Dow Chemical Co.
  - 2. MEAD — W.R. Meadows.
  - 3. SIKA — Sika Corporation.
  - 4. PECO — Pecora Chemical Corporation.
  - 5. SON — Sonneborn Building Products.

## **2.2 MATERIALS**

- A. Provide joint sealers, joint fillers, and other related materials that are compatible with one another and with substrates under conditions of service and application, as demonstrated by sealer manufacturer based on testing and field experience.
  - 1. Sealer: Two component urethane, gun grade, polyurethane sealant. Use in exterior construction and expansion joints in precast concrete wall panels. New Backer Rods shall be compatible with Sealer.
    - a. PECO, Dynatrol II.
    - b. SON, NP-2.
    - c. SIKA, Sikaflex 2C-NS.
  - 2. Mortar / Grout: Air Entrained Structural Mortar / grout with capability for hydraulic placement.
- B. Colors: from manufacturer's full range for products of type required.

## **2.3 ACCESSORIES**

- A. Primer: Non-staining type, recommended by sealant manufacturer to suit application.
- B. Joint Cleaner: Non-corrosive and non-staining type, recommended by sealant manufacturer; compatible with joint forming materials.
- C. Joint Backing: Round foam rod compatible with sealant; ASTM D1667, closed cell PVC.
- D. Bond Breaker: Pressure sensitive tape recommended by sealant manufacturer to suit application.

## **3. EXECUTION**

### **3.1 EXAMINATION**

- A. Verify that joint openings are ready to receive work.
- B. Verify that joint backing and release tapes are compatible with sealant.
- C. Verify joint widths are in accordance with manufacturer's recommendations.

### **3.2 PREPARATION**

- A. Remove loose materials and foreign matter which might impair adhesion of sealant.
- B. Clean and prime joints in accordance with manufacturer's instructions.
- C. Perform preparation in accordance with manufacturer's instructions and ASTM C1193.
- D. Protect elements surrounding the work of this section from damage or disfiguration.

### **3.3 INSTALLATION**

- A. Perform installation in accordance with sealant manufacturer's requirements for preparation of surfaces and material installation instructions.
- B. Perform installation in accordance with ASTM CII 93.
- C. Measure joint dimensions and size joint backers to achieve width-to-depth ratio, neck dimension, and surface bond area as recommended by manufacturer, except where specific dimensions are indicated.
- D. Install bond breaker where joint backing is not used.
- E. Install sealant free of air pockets, foreign embedded matter, ridges, and sags, and tool joint as per manufacturer's recommendations.
- F. Apply sealant within recommended application temperature ranges. Consult manufacturer when sealant cannot be applied within these temperature ranges.

### **3.4 CLEANING**

- A. Clean adjacent soiled surfaces.
- B. Remove damaged or defective work.

### **3.5 PROTECTION OF FINISHED WORK**

- A. Protect sealants until cured from damage or contamination

**End of Section 079005**

## DIVISION 9 - FINISHES

### Section 099000 - Painting and Coatings

#### 1. GENERAL

##### 1.1 WORK INCLUDES

###### A. Base Bid:

1. General Contractor provide material and labor to finish:
  - a. Exterior surfaces as indicated on the project drawings.
  - b. Surfaces that are scheduled to be finished and noted to receive finish.
  - c. Touch-up work on any affected areas, such as trim, wall surfaces, adjacent surfaces, and/or related surfaces, etc.

##### 1.2 RELATED WORK

###### A. Specified elsewhere:

1. 061000 – Carpentry
2. 321313 – Concrete Paving

##### 1.3 SUBMITTALS:

###### A. Submit in accord with Section 013323.

###### B. Material List: Complete list of all painting and finish materials proposed for use.

###### C. Unsuitability of Materials: No claim by the Contractor concerning unsuitability of any material specified, or his ability to produce first-class work with same, will be entertained unless such claim is made in writing to the Architect/Engineer prior to starting work.

###### D All paint materials shall meet Class A, 0-25 flame spread rating.

##### 1.4 PRODUCT DELIVERY, STORAGE AND HANDLING

###### A. Deliver all material to the site in manufacturer's original containers with labels intact and seals unbroken. Store in well-ventilated space, secure against theft and vandalism.

Receive, open, and mix all paint in this space. If this space is on the building premises, the Contractor shall protect the floor with drop cloths or building paper. Keep storage clean and neat. Remove soiled paint rags daily. Any damaged or otherwise unacceptable products or containers shall also be removed daily. Take all precautions to avoid fires.

## 1.5 ENVIRONMENTAL CONDITIONS

- A. Paint surfaces only when they are free from moisture, or properly dry such surfaces before painting. Do not paint exterior surfaces less than 72 hours after a rain, nor during periods of dew or fog unless specifically approved by the paint manufacturer. Do not paint when ambient temperature is below 50 degrees F unless directed otherwise in writing by the Architect/Engineer. Comply with manufacturer's recommendations as to conditions under which coatings or a coating system can be applied. Do not apply paint in areas where dust is being generated.

## 1.6 SCAFFOLDING AND PROTECTION

- A. Provide and maintain all scaffolding, staging, ladders, planks, and drop cloths required for proper execution of work. Remove when no longer needed. If necessary, temporarily remove such items to avoid interference with work of other trades and relocated at no additional expense to the Project. Protect all other surfaces, items, and the work of all other trades from damage and/or staining due to painting operations. Likewise, protect painted and finished surfaces from damage of defacement due to other work in the building. Contractor will be responsible for restoring, repairing and/or replacing all work damaged either by painting operations or by failure to provide and maintain protection against damage to his own work.

## 2. PRODUCTS

### 2.1 MANUFACTURERS

- A. Materials are specified by brand names to establish quality standard; or by performance requirements and general product description. Do not deliver any but approved materials to the job. Materials selected for coating systems for each type surface shall be products of a single manufacturer, except for shop-primed items.

### 2.2 MATERIALS

#### A. INFORMATION CONTAINED IN OR ON THE PROJECT DRAWINGS:

The accompanying drawings will indicate the finishing of such surfaces as exterior wood trim, wood components, and touch-up of metal assemblies.

#### B. SCHEDULE OF FINISHES AND FINISH DESIGNATIONS

The following schedule of finishes and finish designations will explain the finish system used in these specifications and on the drawings:

## PAINT SYSTEMS - EXTERIOR:

Hardboard / Wood / Composite Material, Opaque, Latex, 2 coats.

1. One coat of latex enamel (thinned)
2. One coat of latex enamel; sheen as directed.

Concrete / Masonry, Opaque, Alkyd, 2 coats.

1. One coat of block filler (tinted)
2. One coat of alkyd enamel; Sheen as directed.

Concrete / Masonry, Opaque, latex, 2 coats.

1. One coat of block filler (tinted).
2. One coat of latex enamel; Sheen as directed.

Ferrous Metals, Unprimed, Opaque, latex, 3 coats.

1. One coat of alkyd primer.
2. Two coats of alkyd enamel; Sheen as directed.

Ferrous Metals, Primed, Opaque, Alkyd, 2 coats.

1. Touch-up with alkyd primer.
2. Two coats of alkyd enamel; Sheen as directed.

Galvanized Metals, Opaque, Alkyd, 3 coats.

1. One coat galvanize primer.
2. Two coats of alkyd enamel; Sheen as directed.

Gypsum Board/Plaster, Opaque, Alkyd, 3 coats.

1. One coat of alkyd primer sealer.
2. Two coats of alkyd enamel; Sheen as directed.

Gypsum Board/Plaster, Opaque, Epoxy, 3 coats.

1. One coat of latex primer sealer
2. Two coats of two component washable chemical resistant, water based, epoxy/finish coating; Sheen as directed.

Gypsum Board / Plaster, Opaque, acrylic, 3 coats.

1. One coat of latex primer sealer.
2. Two coats of acrylic enamel; Sheen as directed.

### C. General Painting Specifications: Manufacturers

1. Designations: Following abbreviations to identify listed manufacturers:
  - a. P&L.....Pratt & Lambert, Chicago, IL.
  - b. S-W.....The Sherwin-William Co., Cleveland, OH.
  - c. BM.....Benjamin Moore & Co., Montvale, NJ.
  - d. D.....Devoe & Reynolds Co., Louisville, KY.
  - e. MAB.....M.A. Bruder & Sons, Inc., Broomall, PA



2. Prime Coats: Paint all exposed surfaces one coat. Where surfaces have been shop-primed, spot prime only to touch-up damaged areas.
  - a. Metal Surfaces:
    - 1) Not Galvanized:
      - a) P&L.....Effecto Rust Inhibiting Primer.
      - b) S-W.....Kromick Metal Primer.
      - c) BM.....Ironclad Retardo Rust-Inhibitive Paint.
    - 2) Galvanized:
      - a) P&L.....Galvanized Metal Latex Primer.
      - b) S-W.....Zinc Chromate Primer.
      - c) BM.....Ironclad Galvanized Metal Primer.
  - b. Gypsum Wallboard / Plaster / Wood / Composite Materials:
    - 1) All types:
      - a) P&L.....Vapex Primer.
      - b) S-W.....Latex Primer.
      - c) BM.....Latex Quick Dry Prime Seal.
  - c. Concrete Block Surfaces:
    - a) P&L.....Primafil.
    - b) S-W.....Heavy Duty Block Filler.
    - c) BM.....Block Filler 145.
3. Finish Coats: All surfaces shall receive two (2) finish coats unless noted otherwise. All surfaces shall not have a "flat" sheen; surface must be "semi-gloss".
  - a. Exterior Surfaces: Match Existing adjacent Colors
    - 1) Metal Frames, Steel (W2) Satin:
      - a) P&L.....Aqua Satin Enamel.
      - b) S-W.....ProMar 200 Latex Enamel.
      - c) BM.....Moorcraft Latex Enamel.
    - 2) Gypsum Wallboard / Plaster: Match Existing Adjacent Color
      - a) P&L.....One coat-Vitra-Shield Stippling Eggshell.
      - b) S-W..... Promar 200 Alkyd Eggshell Enamel.
      - c) D.....Velour Interior Alkyd Eggshell Enamel.
    - 3) Concrete Block: Match Existing Adjacent Color  
Adjacent Surfaces
      - a) P&L.....One coat Vitra-Shield Stippling Eggshell.
      - b) S-W.....One coat Promar 200 Alkyd Eggshell Enamel.
      - c) D.....One coat Velour Interior Alkyd Eggshell Enamel.

D. Materials for General Use:

1. Thinner: Follow manufacturer's recommendation for respective product.
2. Linseed Oil: Pure first quality, ASTM D260.
3. Putty: Pure linseed oil putty of standard manufacture with 25% white lead and sufficient varnish, thoroughly mixed to minimize shrinkage. Match final finish color of adjoining surface.
4. Coloring: Use tinting colors recommended by paint manufacturer for intended purpose.
5. Shellac: Type I, Bleached, No. 4, cut with pure grain alcohol. ASTM D207.

### 3. EXECUTION

#### 3.1 SURFACE PREPARATION

- A. This Contractor shall be solely responsible for the finished appearance of his work and, therefore, he shall not commence any painting until surfaces are in proper condition. Only nominal cleaning and minor patching are expected of this Contractor. If a surface requires major repair or cannot be painted as specified, the Architect/Engineer must be notified immediately in writing. Starting of work constitutes Contractor's acceptance of surfaces involved. Contractor will be required to replace all unsatisfactory work caused by improper or defective preparation, at no additional cost to the Project.
- B. Make sure all surfaces are free from dust, dirt, and any other substances which might interfere with functioning and proper application of paint system.
- C. Before painting, surfaces must be acceptable to and approved by the Architect/Engineer.
- D. All steel and ferrous metal surfaces will have been primed before installation as specified in other divisions. Wirebrush bolts, welds, and places where prime coat has been damaged. Remove all loose paint, rust, and scale. Apply one coat of specified primer.
- E. Hand sandpaper wood surfaces and dust clean. Seal knots and sappy portions with clear shellac. Putty all nail holes, cracks, after prime coat is dry.
- F. Wash galvanized surfaces with a vinegar solution or mineral spirits.
- G. Gypsum / Plaster surfaces shall be dry, clean and free of other contaminants, free of flaking, crumbling, or chalking. Dull glossy old paints by light sanding. Remove any loose, chipped, peeling or blistered old paint by scraping or sanding. Patch holes and cracks.

#### 3.2 INSTALLATION/APPLICATION/PERFORMANCE

- A. Employ only skilled and experienced painters, working under supervision of capable foreman. All workmanship must be of highest quality, to the Architect/Engineer's satisfaction.
- B. Apply all materials in accord with manufacturer's current printed directions. Thin materials only for proper workability and only in compliance with such directions. Flow all materials on smoothly, without runs or sagging, and free from drops, ridges, laps and brush marks. Ensure that all coats are thoroughly dry before applying succeeding coats. Sand surfaces between coats as necessary to produce a smooth finish.

- C. Tinting and matching of colors shall be done to the satisfaction of the Architect/Engineer, by inspection of a test area on the actual surface.
- D. Painting includes all exposed surfaces of every member. Before installation, paint all parts which will be inaccessible after assembly.
- E. Complete surfaces shall be free of blistering, running, peeling, scaling, streaks and stains.
- F. Appropriate trades will remove hardware, lighting fixtures, and heating equipment as required to permit painting of surrounding surface. Upon completion of painting, they will replace and reconnect such items.
- G. Do not paint over UL labels.

### 3.3 ADJUST AND CLEAN

- A. Upon completion of work, carefully inspect all painted surfaces for defects needing retouching. Leave all other surfaces clean and free from all paint, stain, spatters, smears, and smudges resulting from painting work.
- B. Remove all scaffolding, tools, equipment and temporary protection. Remove surplus materials, containers, debris, and rubbish resulting from painting work.

END 099000.

**DIVISION 26 – ELECTRICAL**  
**SECTION 26 05 00 - ELECTRICAL GENERAL PROVISIONS**

**PART 1 - GENERAL**

**1.1 WORK INCLUDES**

- A. Base Bid:
  - 1. General Contractor provide:
    - a. Labor and Materials to accomplish the desired end result as shown on the Project Drawings and as specified herein.
    - b. Removal and replacement of existing non-historic exterior light poles, fixtures, and globes, and reinstall new concrete bases, new light poles, and new fixture heads. Reuse existing power circuits and light switching controls.
    - c. Refurbish, restore, refinish, refit, and reinstall existing historic light poles in-place, and/or remove and relocate certain other historic light poles and fixtures as indicated on the Project Drawings. Reuse existing power circuits and light switching controls.

**1.2 RELATED SECTIONS**

- A. Specified Elsewhere:
  - 1. 02 4116 - Minor Demolition
  - 2. 03 1000 - Concrete Formwork
  - 3. 03 2000 - Concrete Reinforcement
  - 4. 03 3000 - Cast-in-Place Concrete

**1.3 REFERENCES**

- A. All work on this project shall conform with all applicable Federal, State and Local Laws, Codes and Ordinances including, but not limited to the latest approved additions of the following:
  - 1. National Electrical Code (NFPA 70).
  - 2. Life Safety Code (NFPA 101).
  - 3. State Building Codes.
  - 4. Occupational Safety and Health Act (OSHA).
  - 5. Americans with Disabilities Act (ADA).

**1.4 LICENSES, PERMITS, AND INSPECTIONS**

- A. The contractor shall secure all licenses and permits required for work on this project and shall arrange for all inspections required by all codes and/or ordinances. All such fees or charges for licenses, permits, and inspections shall be paid for by the contractor and shall be included in his bid.

**1.5 SUBMITTALS**

- A. Submit shop drawings for materials, equipment and products as specified as per Section 01 3323.
- B. Contractor must furnish the brand of material and equipment listed in the specifications or their approved equals. Where more than one name is listed, contractor may select any one of the various brands specified.
- C.

## **1.6 SYSTEM DESCRIPTION**

- A. Basic materials include, but not limited to the following:
  - 1. Lighting fixtures.

## **1.7 DELIVERY, STORAGE, AND HANDLING**

- A. Materials shall be suitably packaged by manufacturer to prevent damage during shipment. Damaged materials will not be acceptable for use.
- B. Store materials on site in clean, dry storage area; when outside, elevated above grade and enclosed with durable watertight wrapping.
- C. Handle all materials carefully to prevent damage. Minor scratches, marks, or blemishes to finish shall be repaired to satisfaction of Architect.

## **PART 2 - PRODUCTS**

### **2.1 MATERIALS**

- A. Contractor to furnish and install only those brands of equipment listed in these specifications or accepted by addenda as substitutes.
- B. Provide all new materials of a quality not less than what is specified, without blemish or defect, in accord with standards specified and labeled by a Nationally Recognized Testing Laboratory (NRTL).
- C. Light Fixtures: LIGHT FIXTURE SCHEDULE

#### **1. FIXTURE NO. / DESCRIPTION OF WORK / FIXTURE**

- a. FIXTURE NO: F1 - NEW NON-HISTORIC LIGHT POLES / FIXTURES / GLOBES:
  - 1.) POLE SPECIFICATIONS:
    - a.) POLE HEIGHT: 8' TO 10'
    - b.) TOP DIAMETER: 4" TO 5"
    - c.) BOT. DIAMETER: 4" TO 5"
    - d.) WALL THICKNESS: 11 TO 12 GAGE
    - e.) BASE PLATE SIZE: 8" TO 9" SQUARE
    - f.) BASE PLATE THICKNESS: .75 INCHES
    - g.) BOLT CIRCLE: 8" TO 9"
    - h.) ANCHOR BOLT SIZE: SIZED BY MANUFACTURER.
    - i.) POLE SHAFTS ARE ONE PIECE SECTION DESIGN FABRICATED FROM A WELDABLE GRADE CARBON STEEL STRUCTURAL TUBING (ASTM A500 GR., B) WITH A UNIFORM WALL THICKNESS. MATERIAL SHALL CONFORM TO ASTM A-500 GRADE B WITH A MINIMUM YIELD STRENGTH OF 46,000 PSI.
    - j.) POLE FINISH SHALL HAVE A POLYESTER POWDER COAT FINISH IN A STANDARD COLOR: "BLACK"
    - k.) BASE PLATES SHALL BE CONSTRUCTED OF A STRUCTURAL QUALITY HOT ROLLED CARBON STEEL PLATE (ASTM A36) WITH A GUARANTEED MINIMUM YIELD STRENGTH OF 36,000 PSI..
    - l.) ANCHOR BOLTS ARE FORMED BARS HAVING A MINIMUM YIELD STRENGTH OF 55,000 PSI, FABRICATED FROM ASTM 153 SPECIFICATIONS, FURNISHED COMPLETE WITH 2 HEX NUTS AND 2 FLAT WASHERS, WITH INTEGRAL BASE COVER/TRIM.

- 2.) POLE MANUFACTURERS:
- a.) LYTE POLES, A DYM COMPANY  
PO BOX 340, EASTPOINTE, MI 48201  
PH: 586-771-4610, FAX: 586-771-5527  
CATALOG NO. NSQ-401-4011-10-T3.5X3-AB-STD FINISH
  - b.) HUBBELL LIGHTING PRODUCTS  
701 MILLENNIUM BLVD., GREENVILLE, SC 29607  
PH: 864-678-1000, 864-678-1740  
CATALOG NO. RSS-H-10-40-B-TC-S2-BL-UL
  - c.) VALMONT - LIGHT POLES PLUS  
206 MCWILLIAMS ST., SUITE 101, FON DU LAC, WI 54935  
PH: 888-791-1463, 901-201-6732  
CATALOG NO. VS-RSSA-10-4040-11-AB-FPGV-BK-P9
- 3.) LUMINAIRE SPECIFICATIONS:
- a.) GLOBE SIZE: 16" TO 18" TALL ACORN-STYLE "WHITE" ACRYLIC GLOBE
  - b.) MATERIAL: CAST ALUMINUM ALLOY, ANSI 356 PER ASTM B26-95
  - c.) FINISH: POWDER COAT - COLOR "BLACK"
  - d.) LAMPING: 60 WATT LED
  - e.) COLOR TEMP: 4000K (MEDIUM WHITE)
  - f.) VOLTAGE: ELECTRONIC WIRED AT 120-277 V
  - g.) COVERAGE: TYPE V (SYMMETRIC DISTRIBUTION)
- 4.) LUMINAIRE MANUFACTURERS:
- a.) SPRING CITY ELECTRICAL MFG. CO.  
HALL & MAIN STREETS, PO BOX 19, SPRING CITY, PA 19475  
PH: 610-948-4000, FAX: 610-948-5577  
CATALOG NO. ALMDNM-LE060/EVX/X4-40-CN5-YW16-CU
  - b.) SUN VALLEY LIGHTING  
660 WEST AVENUE O, PALMDALE, CA 93551  
PH: 661-233-2000, FAX: 661-233-2001  
CAT. NO: LG16-LED-YB-VPA-SYM-36-NW-120/277-PT-RAL-9005-S-WA
  - c.) STERNBERG LIGHTING  
555 LAWRENCE AVE., ROSELLE, IL 60172  
PH: 800-621-3376, 847-588-3400  
CATALOG NO. G16-LED
  - d.) GLOBAL LIGHTING PERSPECTIVES  
1605 N MAIN STREET BUILDING B  
PEARLAND, TX 77581  
281-412-2944  
CATALOG NO. GP204-10/EAD/BC4/BH2/GS18AC-WH/60WLED-T5/BK

- b. FIXTURE NO: F2 - EXISTING HISTORIC LIGHT POLES / FIXTURES / NEW GLOBES:
- 1.) POLE SPECIFICATIONS:
    - a.) RE-INSTALL EXISTING HISTORIC LIGHT POLES ONTO NEW POURED-IN-PLACE CONCRETE BASES AT SOMERVILLE BUILDING (REFER TO DETAIL C5-8), REUSE EXISTING POWER CIRCUITS. AT SOMERVILLE AND ANDERSON BUILDINGS SCARIFY, SAND SMOOTH, RE-PAINT EXISTING HISTORIC LIGHT POLES, COLOR TO MATCH EXISTING POLE COLORS.
  - 2.) POLE MANUFACTURERS:
    - a.) NONE, REUSING EXISTING HISTORIC LIGHT POLES
  - 3.) LUMINAIRE SPECIFICATIONS:
    - a.) GLOBE SIZE: 22" TO 24" TALL ACORN-STYLE "WHITE" ACRYLIC GLOBE
    - b.) MATERIAL: CAST ALUMINUM ALLOY, ANSI 356 PER ASTM B26-95
    - c.) FINISH: POWDER COAT - COLOR "BLACK"
    - d.) LAMPING: 60 WATT LED
    - e.) COLOR TEMP: 4000K (MEDIUM WHITE)
    - f.) VOLTAGE: ELECTRONIC WIRED AT 120-277 V
    - g.) COVERAGE: TYPE V (SYMMETRIC DISTRIBUTION)
  - 4.) LUMINAIRE MANUFACTURERS:
    - a.) SPRING CITY ELECTRICAL MFG. CO,  
PH: 610-948-4000  
FAX: 610-948-5577  
CATALOG NO: ALMDNM-LE060/EVX/X4-40-CN5-YW16-CU
    - b.) SUN VALLEY LIGHTING  
PH: 661-233-2000  
FAX: 661-233-2001  
CAT. NO: LG16-LED-YB-VPA-SYM-36-NW-120/277-PT-RAL-9005-S-WA
    - c.) STERNBERG LIGHTING  
PH: 800-621-3376, 847-588-3400  
CATALOG NO. G16-LED
- c. FIXTURE NO: F3 - EXISTING HISTORIC LIGHT POLES / NEW GLOBES:
- 1.) FIXTURE SPECIFICATION (GLOBE ONLY):
    - a.) GLOBE SIZE: 22" TO 24" TALL ACORN-STYLE "WHITE" ACRYLIC GLOBE
    - b.) LAMPING: 60 WATT LED
    - c.) COLOR TEMP. 4000K (MEDIUM WHITE)
  - 2.) LUMINAIRE MANUFACTURERS:
    - a.) SPRING CITY ELECTRICAL MFG. CO.  
HALL & MAIN STREETS, PO BOX 19, SPRING CITY, PA 19475  
PH: 610-948-4000, FAX: 610-948-5577  
CATALOG NO. ALMDNM-LE060/EVX/X4-40-CN5-YW16-CU
    - b.) SUN VALLEY LIGHTING  
660 WEST AVENUE O, PALMDALE, CA 93551  
PH: 661-233-2000, FAX: 661-233-2001  
CAT. NO: LG16-LED-YB-VPA-SYM-36-NW-120/277-PT-RAL-9005-S-WA

- c.) STERNBERG LIGHTING  
555 LAWRENCE AVE., ROSELLE, IL 60172  
PH: 800-621-3376, 847-588-3400  
CATALOG NO. G16-LED
- d.) GLOBAL LIGHTING PERSPECTIVES  
1605 N MAIN STREET BUILDING B  
PEARLAND, TX 77581  
281-412-2944  
CATALOG NO. GP204-10/EAD/BC4/BH2/GS18AC-WH/60WLED-T5/BK

## **PART 3 - EXECUTION**

### **3.1 COORDINATION**

- A. Contractor is responsible for reading all specification sections covering work performed by other trades that may affect his work on this project.
- B. Coordinate work with other contractors regarding location and size of pipes, raceways, ducts, openings, switches, and outlets. Where required and possible, make minor adjustments to locations and mounting heights of equipment or apparatus to achieve coordination with equipment provided by other trades.
- C. System layout is schematic and exact locations and routing shall be determined in field based on structural elements and other conditions. All changes to system layout, other than minor adjustments required to coordinate with equipment provided by other trades, must be approved in writing by Architect before proceeding with work.
- D. Contractor is required to visit the site and fully familiarize himself with all conditions affecting the scope of work to be performed. Failure to visit the site prior to starting work shall not relieve the contractor from any responsibility regarding his work.
- E. Coordinate location, mounting, and support of equipment as follows:
  - 1. To provide ample space for disconnecting, removal, repair, service, or other changes to equipment.
  - 2. To insure that connecting raceways, cables, wireways, cable trays and busways will be clear of obstructions and of the working and access space of other equipment.

### **3.2 INSTALLATION**

- A. Furnish all materials, labor, tools, transportation, incidentals, and appurtenances to complete in every detail and leave in working order all items of work called for herein or shown on the accompanying drawings.
- B. Include any minor items of work necessary to provide a complete and fully operational system that complies with all required codes.
- C. Comply with National Electrical Contractors Association (NECA) "Standard of Installation".
- D. Equipment or device mounting heights are measured to the bottom of unit for suspended items, and to the center of unit for wall mounted items.



### **3.3 PROTECTION AND CLEANING**

- A. Protect all fixtures and equipment against damage from leaks or abuse and pay cost of repair or replacement of damaged items resulting from failure to provide suitable safeguards or protection.
- B. Repair all dents and scratches in factory prime or finish coats on all electrical equipment. Replace equipment with new if damage is excessive.
- C. Upon completion of this project, contractor shall be required to:
  - 1. Thoroughly clean all fixtures and equipment with manufacturer's recommended cleaning agents.
  - 2. Remove stickers, tags, marking, and other foreign matter from all fixtures and equipment.
  - 3. Remove all markings on equipment and building surfaces placed during construction by this contractor.
  - 4. Remove all waste, scrap, excess, and offal entirely from site.
  - 5. Provide any other clean-up services as required to leave every aspect of work in an acceptable, clean and ready-to-use condition.

END SECTION 26 05 00

**1. GENERAL**

**1.1 WORK INCLUDES**

A. Base Bid:

1. General Contractor Provide:
  - a. Remove topsoil from borrow area and stockpile for replacement.
  - b. Excavate subsoil and place.
  - c. Grade, compact and rough contour site to insure finished grade slopes away from the building.

**1.2 RELATED WORK**

A. Specified Elsewhere:

1. 31 22 19 – Finish Grading.
2. 31 25 00 – Slope Preparation and Erosion Control.

**1.3 SUBMITTALS**

- A. Submit in accordance with 01 33 23.

**1.4 PROTECTION**

- A. Protect trees, shrubs, and other features remaining as portion of final landscaping.
- B. Protect benchmarks.
- C. Protect above and below grade utilities which will remain.
- D. Repair damage.

**2. PRODUCTS**

**2.1 MATERIALS**

- A. Topsoil: Excavated material, graded free of roots, rocks larger than 1 in., subsoil, debris and large weeds.
- B. Subsoil: Excavated material, graded free of lumps larger than 6 in., rocks larger than 3 inches and debris.

### **3. EXECUTION**

#### **3.1 PREPARATION**

- A. Identify specified lines, levels, and insure finished grade slopes away from the building.
- B. Upon discovery of unknown utility or concealed conditions, discontinue affected work; notify Architect/Engineer immediately. Confirm notification in writing.

#### **3.2 TOPSOIL EXCAVATION**

- A. Excavate topsoil from areas to be further excavated, or regraded, marked areas and stockpile in area designated on site.
- B. Do not excavate wet topsoil.
- C. Stockpile topsoil to depth not to exceed 8 feet.
- D. All excess topsoil shall be placed evenly in borrow areas after completion of embankments.

#### **3.3 SUBSOIL EXCAVATION**

- A. Excavate subsoil from borrow areas in place designated on site.
- B. Do not excavate wet subsoil.

#### **3.4 TOLERANCES.** Top surface of subgrade: Plus or minus 6 inches.

END 31 22 13

**DIVISION 31 - SITE WORK**  
**Section 31 22 19 - Finish Grading**

**1. GENERAL**

**1.1 WORK INCLUDES**

A. Base Bid:

1. General Contractor provide
  - a. Finish grade subsoil, and lawn restoration, where damaged by construction activities occur.
  - b. Place, finish grade, and compact topsoil as required to create positive slope away from the existing building in areas indicated on the project drawings.
  - c. Place, finish grade, and compact topsoil as required on all lawn areas damaged by construction activities.

**1.2 RELATED WORK**

A. Specified Elsewhere:

1. 31 22 13 – Rough Grading
2. 31 25 00 – Slope Protection and Erosion Control
3. 32 92 19 – Seeding and Landscaping

**1.3 PROTECTION.** Prevent damage to existing trees, natural features, and bench marks.

**1.4 REFERENCES.** Specified references, or cited portions thereof, current date of bidding documents unless otherwise specified, govern the work.

- A. IDOT Standard Specifications for Road and Bridge Construction, including all supplements, latest edition.

**2. PRODUCTS**

**2.1 MATERIALS**

- A. Topsoil: Shall be hauled in to the site, if needed.  
No borrow areas are available on this site.  
No excavation shall occur on this site. this is a historical site with buried resources and are "protected grounds."

### **3. EXECUTION**

#### **3.1 SUBSOIL PREPARATION**

- A. Rough grade subsoil systematically as early as possible to allow for a maximum amount of natural settlement and compaction. Eliminate uneven areas and low spots. Remove debris, roots, branches, stones in excess of 1 inches in size.
- B. Bring subsoil to indicated levels, profiles and contours. Make changes in grade gradual. Blend slopes into level areas.
- C. Cultivate subgrade to a depth of 3 inches where topsoil will be placed. Repeat cultivation in areas where equipment, used for hauling and spreading topsoil, has compacted subsoil.
- D. Compact subsoil:
  - 1. 88 percent where topsoil will be placed.

#### **3.2 REPLACING TOPSOIL**

- A. Replace topsoil in borrow areas. Place to the following minimum depths, up to finished grade elevation.
  - 1. Even placement of available material in borrow areas.
- B. Use topsoil in relatively dry state. Place during dry weather.
- C. Fine grade topsoil, eliminating rough and low areas to ensure positive drainage. Maintain levels, profiles and contours of subgrades.
- D. Remove stone, roots, grass, weeds, debris and other foreign material while spreading.
- E. Lightly compact placed topsoil.

#### **3.3 SURPLUS MATERIAL**

- A. Grade stockpile areas and spread topsoil over borrow areas. Entire job site clean and raked.

END 31 22 19

**DIVISION 31 - SITE WORK**  
**Section 31 25 00 - Slope Protection and Erosion Control**

**1. GENERAL**

**1.1 WORK INCLUDES**

A. Contractor provide:

1. Application of seeding with straw mulch on areas within the site construction limits disturbed by construction operations.
2. Application of seeding with straw mulch on backfilled areas adjacent to existing buildings to create a positive slope away from the existing buildings, at locations shown on the project drawings.
3. Installation Warranty.
4. Installation of riprap at locations as shown on the project drawings.

**1.2 RELATED WORK**

A. Specified elsewhere

1. 31 22 13 – Rough Grading
2. 31 22 19 – Finish Grading
3. 32 92 19 – Seeding and Landscaping

**1.3 QUALITY ASSURANCE**

A. References:

1. IDOT Standard Specifications for Road and Bridge Construction, including all supplements, latest edition.

**1.4 SUBMITTALS**

- A. Submit in accord with 01 33 23.
- B. Submit certificates showing manufacturers or vendor's analysis of materials and fertilizers to be used.
- C. Submit seed vendor's certified statement for each grass seed mixture stating botanical and common name, percentage by weight, and percentages of purity, germination and weed seed for each grass seed species.

**1.5 JOB CONDITIONS**

- A. Temporary erosion control during the construction phase of the project shall be performed in accordance with the applicable portions of the Standard Specs, and the IDOT Standard Drawing 2381.

- B. All earth surfaces except borrow areas shall be seeded immediately after completing grading operations.
- C. When conflict between these requirements and pollution control laws, rules or regulations of other Federal or State agencies occurs, notify the A/E in writing and request a solution. Take precautions to prevent pollution of streams, lakes, and reservoirs with fuels, oils, or other harmful materials.

## **2. MATERIALS**

### **2.1 EROSION CONTROL**

- A. Temporary erosion control materials shall be in accordance with the Standard Specifications, including the following:
  - 1. Hay or Straw bales shall be installed with 2" x 4" stakes.
  - 2. Temporary mulches shall be hay, straw, fiber mats, netting, or other material suitable to the A/E.
- B. Mulch and related materials shall be in accordance with Section 643 and Section 700 of the Standard Specifications.

### **2.2 SEEDING**

- A. All seeding materials, including mulch, fertilizer, and limestone, shall be in accordance with Section 642, 643, and 717 of the Standard Specs.
- B. For temporary seeding from March to December, 1:50 cereal rye or wheat.
- C. For permanent seeding, the seed mixture shall be as specified in section 32 92 19.

### **2.3 RIPRAP**

- A. Riprap for Erosion Control: Riprap RR3, Class B material conforming to IDOT 1005.01.

## **3. EXECUTION**

### **3.1 INSPECTION**

- A. After all trenching and initial backfill is complete the Contractor shall not finish grade, place topsoil, seed, straw or mulch until the work has been inspected by the A/E and Using Agency. Following said inspection when notification is requested by and provided to the Contractor, then finish grading may commence.

### **3.2 TEMPORARY AND PERMANENT EROSION CONTROL**

- A. Incorporate all permanent erosion features into the project at the earliest practicable time.
- B. When permanent erosion control features cannot follow immediately after grading operations, temporary erosion control measures shall be required between construction stages.
- C. Install riprap at locations shown, and as detailed on the Project Drawings.

### **3.3 SEEDING**

- A. After all earthwork has been completed and approved and after all trenches have been backfilled, the areas to be seeded shall be prepared in accordance with Article 642.05 of the Standard Specifications.
- B. The rate of application of permanent seeding mixture shall be 5 lbs. per 1,000 square feet, or 200 lbs. per acre; also refer to Section 32 12 19.

### **3.4 FERTILIZER**

- A. Permanent Seeding: Fertilizer nutrient shall be 8-32-16 proportion applied at a rate of 560 lbs. per acre. Application shall be made to permanent seeding areas. A second application shall be used if necessary to stimulate growth.

### **3.5 MULCHING**

- A. All seeded areas shall be mulched. Mulching equipment and construction operations shall be in accordance with section 643 of the Standard Specs. Mulch shall be applied uniformly to seeded areas at a rate of 2 tons per acre by Method 3 as described in Article 643.03 of the Standard specifications.
- B. Acceptable alternate method of seeding and mulching is the hydromulch method.

### **3.6 MAINTENANCE**

- A. The erosion control system shall be properly maintained to control siltation at all times during the life of the contract. The A/E shall notify the Contractor to make the necessary repairs.

END 31 25 00



**DIVISION 32 – EXTERIOR IMPROVEMENTS**  
**Section 32 13 13 – Concrete Paving**

**1. GENERAL**

**1.1 WORK INCLUDES**

- A. Base Bid
  - 1. General Contractor Provide:
    - a. Prepare sub grade to receive base course and leveling course.
    - b. Place and compact base course materials and leveling course.
    - c. Formwork.
    - d. Reinforcement.
    - e. Expansion control.
    - f. Surface Finish.
    - g. Concrete Tests – Section 01 45 29.

**1.2 RELATED SECTIONS**

- A. Specified elsewhere:
  - 1. Section 079005 – Joint Sealers
  - 2. Section 099000 – Painting and Coatings
  - 3. Section 321726 – Tactile Warning Surfacing

**1.3 REFERENCES**

- A. ACI 301 – Specifications for Structural Concrete for Buildings.
- B. ANSI/ASTM A 185-79 – Welded Steel Wire Fabric for Concrete Reinforcement.
- C. ASTM A615-80 – Deformed and Plain Billet-Steel Bars for Concrete Reinforcement.
- D. ASTM C33-81 – Concrete Aggregates.
- E. ASTM C94-91 – Ready Mixed Concrete.
- F. ASTM C150-81 – Portland Cement
- G. ASTM C260-77 – Air-Entraining Admixtures for Concrete.
- H. ASTM C309-81 – Liquid Membrane-Forming Compounds for Curing Concrete.
- I. ASTM C494-80 – Chemical Admixtures for Concrete.
- J. IDOT – Standard Specifications for Road and Bridge Construction, including all addenda, latest edition.

**1.4 QUALITY ASSURANCE**

- A. Perform work in accord with referenced IDOT Specifications.
- B. Obtain materials from same source throughout.

## **1.5 SUBMITTALS**

- A. Submittals shall be in accord with Section 01 33 23.
- B. Include data for:
  - 1. Admixtures.
  - 2. Curing compounds.
  - 3. Joint fillers.
  - 4. Joint Patterning
  - 5. Concrete tests

## **2. PRODUCTS**

### **2.1 ACCEPTABLE MANUFACTURERS**

- A. Acceptable products: Provide all materials from IDOT approved source material sources.

### **2.2 COARSE AGGREGATE**

- A. Base course materials shall conform to IDOT Specification, Art. 351., Gradation CA-6.

### **2.3 CONCRETE MATERIALS**

- A. Comply with IDOT Specification, Section 720 for Class SI.

### **2.4 STEEL REINFORCEMENT**

- A. Steel Reinforcement: Deformed steel bars, ASTM A615, Grade 60, unless otherwise shown.

### **2.5 FORM MATERIALS**

- A. Comply with IDOT Specification, Article 503.06.

### **2.6 ACCESSORIES**

- A. Curing compound: Comply with IDOT Specification, Article 722.01, Type 1.

### **2.7 ADMIXTURES**

- A. Air entrainment: ASTM C260-77.
- B. Chemical admixtures: ASTM C94-81, Type A – water reducing manufactured by:
  - 1. Master Builders
  - 2. Protex
  - 3. SIKA

## **2.8 CONCRETE MIX**

- A. Mix concrete in accord with IDOT Specification, Section 720 for Class SI.
- B. Provide concrete with compressive strength at 14 days of 3,500 psi.
- C. Use accelerating admixtures in cold weather only with Architect/Engineer's prior written approval. Use of admixtures will not relax cold weather placement requirements.
- D. Use set-retarding mixtures during hot weather only with Architect/Engineer's prior written approval.

## **3. EXECUTION**

### **3.1 SUB GRADE PREPARATION**

- A. Prepare in accordance with IDOT Specification, Section 301.

### **3.2 BASE COURSE**

- A. Place base course over sub grade to a depth of 4 inches. Compact and level. Prevent displacement.
- B. During concrete placement, keep base sufficiently moist to prevent excessive water absorption from freshly placed concrete.

### **3.3 INSPECTION**

- A. Verify compacted base is ready to support paving and superimposed loads.
- B. Verify gradients and elevations of bases are correct.
- C. Start of installation constitutes acceptance of existing conditions.

### **3.4 PREPARATION**

- A. Moisten base to minimize absorption of water from fresh concrete.
- B. Notify Architect/Engineer minimum 24 hours before start of concreting operations.

### **3.5 FORMING**

- A. Place and assemble forms to correct location, dimension and profile.
- B. Assemble formwork to permit easy stripping and dismantling without damaging concrete.
- C. Place joint fillers in vertical position, in straight lines. Secure to formwork during concrete placement.

### **3.6 REINFORCEMENT**

- A. Place reinforcement at mid-height of slabs-on-grade, supported to prevent displacement before, during, and after concrete placement.
- B. Interrupt reinforcement at expansion joints.

### **3.7 FORMED JOINTS**

- A. Place expansion joints at 30 foot intervals, unless indicated otherwise on drawings, to correct elevation and profile.
- B. Place joint filler between sidewalks and building, columns or other obstructions.
- C. Provide scored joints at 4 foot intervals, unless otherwise indicated on drawings.

### **3.8 PLACING CONCRETE**

- A. Place concrete in accord with ACI 301.
- B. Hot weather placement: ACI 301
- C. Cold weather placement: ACI 301.
- D. Ensure reinforcement, insets, embedded parts, and formed joints are not disturbed during concrete placement.
- E. Place concrete continuously between predetermined construction joints. Do not break or interrupt successive pours such that cold joints occur.

### **3.9 FINISHING**

- A. Sidewalk and paving: light broom, radiused and trowel edge joint edges.
- B. Place curing compound on exposed surfaces immediately after finishing. Apply in accord with manufacturer's current printed instructions.

### **3.10 CLEAN UP**

- A. Upon completion of the work, remove all surplus materials, packaging, rubbish, and debris resulting from the work and legally dispose of off site.

END 32 13 13

## **DIVISION 32 SITEWORK**

### **SECTION 321726 - TACTILE WARNING SURFACING**

#### **1. GENERAL**

##### **1.1 WORK INCLUDES**

###### **A. Base Bid:**

1. Install tactile warning surfacing at locations shown on the Project Drawings.

##### **1.2 RELATED SECTIONS**

###### **A. Specified elsewhere:**

1. Section 321313 "Concrete Paving" for concrete walkways serving as substrates for tactile warning surfacing.

##### **1.3 SUBMITTALS**

###### **A. Submit in accord with Section 01 33 23.**

###### **B. Product Data: For each type of product.**

###### **C. Maintenance Data: For tactile warning surfacing, to include in maintenance manuals.**

##### **1.4 PROJECT CONDITIONS**

- ###### **A. Cold-Weather Protection: Do not use frozen materials or materials mixed or coated with ice or frost. Do not build on frozen subgrade or setting beds. Remove and replace unit paver work damaged by frost or freezing.**

##### **1.5 WARRANTY**

###### **A. Product Surfaces that fail in materials or workmanship within specified warranty period.**

1. Failures include, but are not limited to, the following:

- a. Deterioration of finishes beyond normal weathering and wear.
- b. Separation or delamination of materials and components.

2. Warranty Period: as per Section 01 78 36.

## PART 2 - PRODUCTS

### 2.1 TACTILE WARNING SURFACING, GENERAL

- A. Accessibility Requirements: Comply with applicable provisions in the U.S. Architectural & Transportation Barriers Compliance Board's ADA-ABA Accessibility Guidelines for Buildings and Facilities and ICC A117.1 for tactile warning surfaces.
  - 1. For tactile warning surfaces composed of multiple units, provide units that when installed provide consistent side-to-side and end-to-end dome spacing that complies with requirements.
- B. Source Limitations: Obtain each type of tactile warning surfacing , setting material , anchor , and fastener from single source with resources to provide materials and products of consistent quality in appearance and physical properties.

### 2.2 DETECTABLE WARNING TILES

- A. Cast-in-Place Detectable Warning Tiles: Accessible truncated-dome detectable warning tiles configured for setting flush in new concrete walkway surfaces, with slip-resistant surface treatment on domes and field of tile.
  - 1. Manufacturers: Subject to compliance with requirements, available manufacturers offering products that may be incorporated into the Work include, but are not limited to, the following:
    - a. Access Products, Inc.
    - b. ADA Solutions, Inc.
    - c. Advanced Surface Systems, LLC.
    - d. Detectable Warning Systems, Inc.
  - 2. Material: Molded glass- and carbon-fiber-reinforced polyester.
  - 3. Color: "Red" from the manufacturer's standard color chart.
  - 4. Shapes and Sizes:
    - a. Rectangular panel, 36" wide, length as indicated on plan.
  - 5. Dome Spacing and Configuration: Manufacturer's standard compliant spacing, in manufacturer's standard pattern.
  - 6. Mounting:
    - a. Permanently embedded detectable warning tile wet-set into freshly poured concrete.
    - b. Detectable warning tile set into formed recess in concrete and adhered with mortar.
    - c. Replaceable detectable warning tile wet-set into freshly poured concrete and surface-fastened to permanently embedded anchors.

### 2.3 ACCESSORIES

- A. Fasteners and Anchors: Manufacturer's standard as required for secure anchorage of tactile warning surfaces, noncorrosive and compatible with each material joined, and complying with the following:

1. Furnish Type 316 stainless-steel fasteners for exterior use.
2. Fastener Heads: For nonstructural connections, use flathead or oval countersunk screws and bolts with tamper-resistant heads, colored to match tile.

## PART 3 - EXECUTION

### 3.1 EXAMINATION

- A. Verify that pavement is in suitable condition to begin installation according to manufacturer's written instructions. Verify that installation of tactile warning surfacing will comply with accessibility requirements upon completion.
- B. Proceed with installation only after unsatisfactory conditions have been corrected.

### 3.2 INSTALLATION OF TACTILE WARNING SURFACING

- A. General: Prepare substrate and install tactile warning surfacing according to manufacturer's written instructions unless otherwise indicated.
- B. Place tactile warning surfacing units in dimensions and orientation indicated. Comply with location requirements of AASHTO MP 12.

### 3.3 INSTALLATION OF DETECTABLE WARNING TILES

#### A. Cast-in-Place Detectable Warning Tiles:

1. Concrete Paving Installation: Comply with installation requirements in Section 321313 "Concrete Paving." Mix, place, and finish concrete to conditions complying with detectable warning tile manufacturer's written requirements for satisfactory embedment of tile.
2. Set each detectable warning tile accurately and firmly in place and completely seat tile back and embedments in wet concrete by tamping or vibrating. If necessary, temporarily apply weight to tiles to ensure full contact with concrete.
3. Set surface of tile flush with surrounding concrete and adjacent tiles, with variations between tiles and between concrete and tiles not exceeding plus or minus 1/8 inch from flush.
4. Protect exposed surfaces of installed tiles from contact with wet concrete. Complete finishing of concrete paving surrounding tiles. Remove concrete from tile surfaces.
5. Clean tiles using methods recommended in writing by manufacturer.

#### B. Removable Cast-in-Place Detectable Warning Tiles:

1. Concrete Paving Installation: Comply with installation requirements in Section 321313 "Concrete Paving." Mix, place, and finish concrete to conditions complying with detectable warning tile manufacturer's written requirements for satisfactory embedment of removable tile.
2. Set each detectable warning tile accurately and firmly in place with embedding anchors and fasteners attached, and firmly seat tile back in wet concrete by tamping or vibrating. If necessary, temporarily apply weight to tiles to ensure full contact with concrete.

3. Set surface of tile flush with surrounding concrete and adjacent tiles, with variations between tiles and between concrete and tiles not exceeding plus or minus 1/8 inch from flush.
4. Protect exposed surfaces of installed tiles from contact with wet concrete. Complete finishing of concrete paving surrounding tiles. Remove concrete from tile surfaces.
5. Clean tiles using methods recommended in writing by manufacturer.

#### 3.4 CLEANING AND PROTECTION

- A. Remove and replace tactile warning surfacing that is broken or damaged or does not comply with requirements in this Section. Remove in complete sections from joint to joint unless otherwise approved by Architect. Replace using tactile warning surfacing installation methods acceptable to Architect.
- B. Protect tactile warning surfacing from damage and maintain free of stains, discoloration, dirt, and other foreign material.

END OF SECTION 321726



## **DIVISION 32 SITE WORK**

### **Section 32 92 19 – Seeding and Landscaping**

#### **1. GENERAL**

##### **1.1 WORK INCLUDES**

###### **A. Base Bid:**

1. General Contractor provide:
  - a. Restoration of Lawn Areas damaged by construction activities.
  - b. Preparation of subsoil as required.
  - c. Placing topsoil as required.
  - d. Seeding and fertilizing.
  - e. Installation warranty

##### **1.2 RELATED SECTIONS**

###### **A. Specified elsewhere:**

1. 31 22 13 – Rough Grading
2. 31 22 19 - Finish Grading
3. 31 25 00 – Slope Preparation and Erosion Control

##### **1.3 REFERENCES**

- ###### **A. FS O-F-241 - Fertilizers, Mixed, Commercial.**

##### **1.4 DEFINITIONS**

- ###### **A. Weeds: Include Dandelion, Jimsonweed, Quackgrass, Horsetail, Morning Glory, Rush Grass, Mustard, Lambsquarter, Chickweed, Cress, Crabgrass, Canadian Thistle, Nutgrass, Poison Oak, Blackberry, Tansy Ragwort, Bermuda Grass, Johnson Grass, Poison Ivy, Nut Sedge, Nimble Will, Bindweed, Bent Grass, Wild Garlic, Perennial Sorrel, and Brome Grass.**

##### **1.5 SUBMITTALS**

- ###### **A. Submitted in accord with Section 013323.**
- ###### **B. Operating and Maintenance Data, Section 017823: maintenance instructions, cutting method and maximum grass height; types, application frequency, and recommended coverage of fertilizer.**

## **1.6 QUALITY ASSURANCE**

- A. Provide seed mixture in containers showing percentage of seed mix, year of production, net weight, date of packaging, and location of packaging.

## **1.7 REGULATORY REQUIREMENTS**

- A. Comply with regulatory agencies for fertilizer and herbicide composition.

## **1.8 DELIVERY, STORAGE, AND PROTECTION**

- A. Section 016600 - Material and Equipment: Transport, handle, store, and protect products.
- B. Deliver grass seed mixture in sealed containers. Seed in damaged packaging is not acceptable.
- C. Deliver fertilizer in waterproof bags showing weight, chemical analysis, and name of manufacturer.

## **2. PRODUCTS**

### **2.1 SEED MIXTURE**

- A. Seed Mixture: Provide a blend of four (4) turf type tall fescues (Renegade Supreme, Falcon V, Scorpion 2, and Shenandoah Elite), free from primary noxious weed seeds, and re-cleaned, and certified test results from each lot of seed.
- B. Seeding Rate: The seeding rate shall be 8-10 lbs./1000 square feet for newly created lawns.

### **2.2 SOIL MATERIALS**

- A. Topsoil: Excavated from site and free of weeds, and placed prior to final seeding.

### **2.3 ACCESSORIES**

- A. Fertilizer: FS O-F-241, type recommended for grass, with fifty percent of the elements derived from organic sources; of proportion necessary to eliminate any deficiencies of topsoil, commercial grade, with one and one-half (1½) pounds of actual nitrogen (not product) shall be provided per 1000 square feet.

- B. Soil Amendments/Lime: Natural dolomitic limestone containing not less than 85% of total carbonates with a minimum of 30 percent magnesium carbonates, ground so that not less than 90 percent passes a 10-mesh sieve and not less than 50 percent passes a 100-mesh sieve.
- C. Water: Clean, fresh and free of substances or matter which could inhibit vigorous growth of grass.
- D. Vegetative mulch: Install vegetative mulch for seeded areas of high-quality, air-dried straw of wheat, rye, oats, beans, or other approved straw, free from grass, broom sedge, noxious weeds, and weed seeds detrimental to growth of grass. Mulch shall be applied at a rate of 2 ton per acre and stabilized by crimped-in using a dull bladed in-line disk with sufficient weight to crimp the straw approximately 2" into the soil.

### **3. EXECUTION**

#### **3.1 EXAMINATION**

- A. Verify that prepared soil base is ready to receive the work of this section.

#### **3.2 PREPARATION OF SUBSOIL**

- A. Prepare subsoil to eliminate uneven areas and low spots. Maintain lines, levels, profiles and contours. Make changes in grade gradual. Blend slopes into level areas or existing slopes..
- B. Remove foreign materials, weeds and undesirable plants and their roots. Remove contaminated subsoil.
- C. Scarify subsoil to a depth of [3] inches ([75] mm) where topsoil is to be placed. Repeat cultivation in areas where equipment, used for hauling and spreading topsoil, has compacted sub-soil.

#### **3.3 PLACING TOPSOIL**

- A. Spread topsoil to a minimum depth of 4 inches 100 mm over area to be seeded as required to repair existing areas damaged by construction activity. Rake until smooth.
- B. Place topsoil during dry weather and on dry unfrozen subgrade.
- C. Remove vegetable matter and foreign non-organic material from topsoil while spreading.

- D. Grade topsoil to eliminate rough, low or soft areas, and to ensure positive drainage.

### **3.4 FERTILIZING**

- A. Apply fertilizer in accordance with manufacturer's instructions.
- B. Apply after smooth raking of topsoil.
- C. Do not apply fertilizer at same time or with same machine as will be used to apply seed.
- D. Lightly water to aid the dissipation of fertilizer.

### **3.5 SEEDING**

- A. Apply seed at a rate as recommended by manufacturer, rake in lightly. Applications may be modified to suit weather and soil conditions at the time of seeding.
- B. Do not seed areas in excess of that which can be mulched on same day.
- C. Planting Season: April to September.
- D. Do not sow immediately following rain, when ground is too dry, or during windy periods.
- E. Roll seeded area with roller not exceeding 112 lbs. (50 Kg).
- F. Immediately following seeding and compacting, apply mulch to a thickness of 1/8inches (3 mm). Maintain clear of shrubs and trees.
- G. Apply water with a fine spray immediately after each area has been mulched with straw. Saturate to 4 inches (100 mm) of soil.

### **3.6 WARRANTY**

- A. Contractor's Warranty: Supply Using Agency with warranty in accord with Section 01 78 36 for a period of one year plus one growing season, two (2) years total.

**END OF SECTION 32 92 19**