

PROJECT MANUAL

CDB #546-235-021

REPLACE ROOF AND RESURFACE PARKING LOT

NORTH RIVERSIDE ARMORY, COOK COUNTY

DEPARTMENT OF MILITARY AFFAIRS

CDB BUILDING INV. NO. H2452

CONTRACT: GENERAL

State of Illinois

CAPITAL DEVELOPMENT BOARD

USING AGENCY: ILLINOIS DEPARTMENT OF MILITARY AFFAIRS

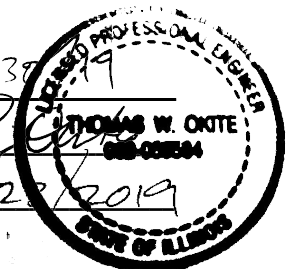
BY: ARTISAN CONSULTING ENGINEERS, LLC
3205 CORBRIDGE LANE
ROCKFORD, IL 61107

DATE: 07/24/2019

License Expiration Date: 11/30/19

Signature: *[Handwritten Signature]*

Date Signed: 7/23/2019



This page is intentionally blank

State of Illinois
CAPITAL DEVELOPMENT BOARD

ARTISAN CONSULTING ENGINEERS, LLC, 3205 CORBRIDGE LANE, ROCKFORD, IL 61107

PROJECT MANUAL FOR

CDB 546-235-021

REPLACE ROOF AND RESURFACE PARKING LOT
DEPARTMENT OF MILITARY AFFAIRS
NORTH RIVERSIDE ARMORY, COOK COUNTY

DATE: 7/24/2019

<u>DOCUMENT</u>	<u>TITLE</u>	<u>PAGES</u>
00 01-10	Table of Contents	00 01 10-1-2
00 01 15	Drawings, Schedules, & Details	00 01 15-1
00 11 13	Advertisement for Bids	00 11 13-1-2

BIDDING AND CONTRACT REQUIREMENTS

00 41 00	Bid Form	00 41 00-1-3
00 41 01	Subcontractor Requirements	00 41 01-1
00 41 04	Minority/Female Workforce Projections	
	DHR PC-2 for GOALS/NO GOALS (2 pages)	00 41 04-1-2
00 41 05	Minority/Female/Veteran Subcontractor & Supplier Utilization	00 41 05-1-3
00 41 06	Bid Bond Form	00 41 06-1
00 41 07	Product Substitution Form	00 41 07-1
00 41 08	Standard Terms and Conditions	00 41 08-1-4
00 41 09	Standard Certifications and Disclosures	00 41 09-1-27

SUPPLEMENTARY CONDITIONS

00 43 42	Federally Funded Projects.	00 43 42-1-21
00 43 43	Prevailing Rate of Wages.	00 43 43-1-5

GENERAL REQUIREMENTS

01 11 00	Project Summary	01 11 00-1-2
01 11 01	Supplement to SDC and SDC-CM	01 11 01-1-12
01 32 00	Construction Schedule	01 32 00-1-2
01 32 23	Survey and Layout Data	01 32 23-1-2
01 33 23	Shop Drawings, Product Data, & Samples Schedule	01 33 23-1-4
01 35 16	Remodeling Project Procedures	01 35 16-1-3
01 35 53	Security	01 35 53-1
01 41 00	Regulatory Requirements	01 41 00-1-3
01 45 29	Testing Laboratory Services	01 45 29-1-2
01 74 23	Final Cleaning	01 74 23-1-2
01 78 36	Extended Warranties & Bonds Schedule	01 78 36-1
01 78 39	Project Record Documents	01 78 39-1-2

EXISTING CONDITIONS

02 41 13	Selective Site Demolition	02 41 13 (1-4)
----------	---------------------------	----------------

WOOD, PLASTICS, AND COMPOSITES

06 10 00	Rough Carpentry	06 10 00 (1-4)
----------	-----------------	----------------

THERMAL AND MOISTURE PROTECTION

07 54 19	PVC Membrane Roofing	07 54 19 (1-9)
07 62 00	Sheet Metal Flashing and Trim	07 62 00 (1-12)
07 72 00	Roof Accessories	07 72 00 (1-7)
07 92 00	Joint Sealants	07 92 00 (1-5)

EARTHWORK

31 20 00	Earth Moving	31 20 00 (1-6)
31 25 00	Erosion and Sedimentation Control	31 25 00 (1-3)

EXTERIOR IMPROVEMENTS

32 11 23	Aggregate Base Course	32 11 23 (1-2)
32 13 13	Portland Cement Concrete (PCC) Paving	32 13 13 (1-6)
32 92 00	Turf and Grasses	32 92 00 (1-3)

UTILITIES

33 05 16	Utility Structures	33 05 16 (1-2)
----------	--------------------	----------------

SPECIFIER: General:

Thomas Okite
Artisan Consulting Engineers, LLC
3205 Corbridge Lane
Rockford, IL 61107

(815) 519-9645
tokite@artisancivil.com

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

- G-1 Cover Sheet
- G-2 General Notes
- C-1 Existing Site Plan
- C-2 Layout Plan
- C-3 Details
- A-1 Roof Plan and Details
- A-2 Roofing Details
- A-3 Roofing Details

All Drawings dated: 7/24/2019

END 00 01 15.

This page is intentionally blank

BIDDING & CONTRACT REQUIREMENTS
00 11 13 – Advertisement for Bids

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

CDB PROJECT #: 546-235-021
TITLE: REPLACE ROOF AND RESURFACE PARKING LOT
LOCATION: NORTH RIVERSIDE ARMORY
USING AGENCY: DEPARTMENT OF MILITARY AFFAIRS
COUNTY: COOK COUNTY

PROJECT DESCRIPTION:

Replace approximately 7,625 square feet of roof on the US Property/Fiscal Office Building. Remove the existing asphalt parking lot P-2 and replace it with a new concrete parking lot.

<u>TRADE</u>	<u>COST RANGE</u>	<u>BID DATE/TIME</u>
GENERAL	under \$300,000 _____	August 20, 2019 9:30 am

BID LOCATION:

ILLINOIS CAPITAL DEVELOPMENT BOARD
100 WEST RANDOLPH STREET
SUITE 14-600, 14TH FLOOR
JAMES R. THOMPSON CENTER
CHICAGO, IL 60601
BID MODIFICATION FAX NO. (312) 814-2041

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

Obtain Plans From:

ARTISAN CONSULTING ENGINEERS, LLC
2601 REID FARM ROAD, SUITE A
ROCKFORD IL 61114
(815) 519-9645

Refundable Plan Deposit: \$75
PDF copy available on CD/Flash Drive for \$45 (non-refundable)

Pre-Bid Meeting (*Not Mandatory*): August 8, 2019 10:30 am
8660 West Cermak Road
North Riverside, IL 60546
Conference Room

BIDDING & CONTRACT REQUIREMENTS
00 11 13 – Advertisement for Bids

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 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

Jim Underwood
Executive Director

Abdulgaffar Shedbalkar
Project Manager
312-814-4443-Office
312-909-8725-Mobile
A-gaffar.Shedbalkar@illinois.gov

RETURN WITH BID

NAME OF FIRM: _____

CDB FIRM ID NO: _____

FOR GENERAL WORK

BID FOR: CDB PROJECT NUMBER: 546-235-021

PROJECT TITLE: REPLACE ROOF AND RESURFACE PARKING LOT

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 (\$_____)

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 (00 41 07): ☐

BIDDING & CONTRACT REQUIREMENTS
Document 00 41 00 – Bid Form

RETURN WITH BID

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)

This page is intentionally blank

BIDDING & CONTRACT REQUIREMENTS
Document 00 41 01 – Subcontractor Requirements

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.

	Name of Subcontractor	Address	CDB Registration Number	Total Expected Value	Description / Scope of Work
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					

(Use additional sheets if necessary.)

This page is intentionally blank

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	25%
Cement Masons	20%
Lathers (Metal/Wood)	20%
Tapers	20%
Plasters	15%
Painters	20%
Glaziers	15%
Roofers	25%
Metal Deck Roofers	20%
Pipefitters	25%
Plumbers	25%
Insulators	20%
Temperature Control	20%
Laborers	33%
Electricians	25%
Fencing, Guard Rails	20%
Landscaping	25%
Truck Drivers	20%
Air Test & Balancing	15%
Sandblast/Waterproofing/Caulkers	15%
Asbestos Workers	30%
Terrazzo	20%
Carpet	20%

INSTRUCTIONS

for

Project: **546-235-021** Phase: **1**

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: _____

RETURN WITH BID

CDB Project Number
546-235-021

BIDDING & CONTRACT REQUIREMENTS

Document 00 41 04-Bid Form-DHR Form PC-2

CDB Contract No.

Contractor I.D.

FOR CDB OFFICE USE ONLY

Contract/Trade Bid

FEP Tech

Monitored/Non-Monitored

General

Christine Rivera

Monitored

TRADE CATEGORIES	Trade Codes	African American				Hispanic				Native American				Asian				Caucasian				Veteran			
		Male		Female		Male		Female		Male		Female		Male		Female		Male		Female		Male		Female	
		J	A	J	A	J	A	J	A	J	A	J	A	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																								
Roofers	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. 546-235-021

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 10% MBE / 2% WBE percent 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 1% percent 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. 546-235-021

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	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					

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

RETURN WITH BID

Name of Bidder: _____

CDB PROJECT NO. 546-235-021

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

This page is intentionally blank

RETURN WITH BID

State of Illinois
CAPITAL DEVELOPMENT BOARD

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)

JURAT (Notary's Statement Authenticating Signature)

STATE OF _____
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 _____

This page is intentionally blank

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

_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

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: _____

This page is intentionally blank

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

State 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).
- D. 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).

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

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 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

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

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.
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

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

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

A 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 #

	Part
Business and Directory Information	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

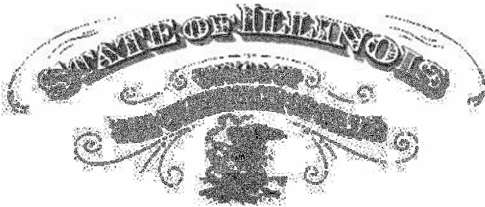
3. A person, other than an individual acting as a sole proprietor, must be a duly constituted legal entity and authorized to transact business or conduct affairs in Illinois prior to submitting an offer. 30 ILCS 500/20-43. Offerors must review and complete certification #4.32 in the Standard Certifications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

XYZ CONSULTING, INC. INCORPORATED IN GEORGIA AND LICENSED TO
TRANSACTION BUSINESS IN THIS STATE ON JANUARY 20, 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
TRANSACTION 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*



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.

RETURN WITH BID

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.

RETURN WITH BID

STATE OF ILLINOIS

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) 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.

RETURN WITH BID

STATE OF ILLINOIS

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 it 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).

RETURN WITH BID

STATE OF ILLINOIS

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
STATE OF ILLINOIS

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
Document 00 41 09 – Certifications and Disclosures
RETURN WITH BID
STATE OF ILLINOIS

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	Choose an item. <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.

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

RETURN WITH BID

STATE OF ILLINOIS

FINANCIAL DISCLOSURES AND CONFLICTS OF INTEREST

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

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

RETURN WITH BID

STATE OF ILLINOIS

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

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

RETURN WITH BID

STATE OF ILLINOIS

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. _____

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

RETURN WITH BID

STATE OF ILLINOIS

FINANCIAL DISCLOSURES AND CONFLICTS OF INTEREST

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:

Signature: _____

Date:

Printed Name:

Title:

Phone Number:

Email Address:

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):

☐ Individual

☐ Sole Proprietor

☐ Partnership

☐ Legal Services Corporation

☐ Tax-exempt

☐ Corporation providing or billing

medical and/or health care services

☐ Corporation NOT providing or billing

medical and/or health care services

☐ Governmental

☐ Nonresident alien

☐ Estate or trust

☐ Pharmacy (Non-Corp.)

☐ Pharmacy/Funeral Home/Cemetery (Corp.)

☐ Limited Liability Company

(select applicable tax classification)

☐ D = disregarded entity

☐ C = corporation

☐ P = partnership

Signature of Authorized Representative: _____

Date:

BIDDING & CONTRACT REQUIREMENTS
Document 00 41 09 – Certifications and Disclosures
RETURN WITH BID
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 (RFP) 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
Document 00 41 09 – Certifications and Disclosures
RETURN WITH BID
STATE OF ILLINOIS
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: _____

2. 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 #

6. 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
medical and/or health care services | <input type="checkbox"/> Limited Liability Company |
| <input type="checkbox"/> Corporation NOT providing or billing
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

This page is intentionally blank

1. FEDERALLY FUNDED PROJECT

- 1.1 **APPLICABLE LAWS.** The Contract is wholly or partially funded by the Federal Government and is subject to all Federal laws and regulations pertaining to Federally assisted construction projects. In the event of a conflict caused by the provisions of this document, the more restrictive requirements will govern.
- 1.2 **INSPECTION AND AUDIT.** The authorized representatives of the Federal Government and the State of Illinois shall be permitted to inspect all work, materials, payrolls, personnel records, invoices for materials and other data and records relevant to the Contract.
- 1.3 **PREVAILING RATE OF WAGES.** In accordance with the Davis-Bacon Act, the Federal Prevailing Wage Rates shall be paid to all workers employed on the contract. Accurate payroll records shall be kept by the contractor and each subcontractor, and shall be submitted to the Capital Development Board with each Pay Request.
- 1.4 **FEDERAL EXHIBITS.** All specified Federal exhibits now or hereinafter amended are expressly incorporated by reference into the Contract and all rights, duties and liabilities set forth therein shall be deemed to specifically apply to the Contractor and his employees. Specified exhibits are:
- A. Listing of Federal Prevailing Wages
- 1.5 **MILITARY CONTRACTS.** For military projects funded wholly or in part by federal funds, the provisions of Article VIII of Master Cooperative Agreement No. W91SMC-16-2-1000 (“MCA”), are incorporated by reference into this agreement unless state laws or regulations are more stringent. The CDB has determined that entities must comply with the following provisions:
- A. **Lobbying.** Contractors and subcontractors shall not expend any federal funds to pay any person for influencing or attempting to influence an officer or employee of any agency, or a Member of Congress in accordance with §804 of the MCA.
- B. **Nondiscrimination.** Congress in accordance with §803 of the MCA, contractors and subcontractors shall comply with the following national policies prohibiting discrimination, unless state law is more strict:
1. On the basis of race, color or national origin, in Title VI of the Civil Rights Act of 1964 (42 U.S.C. §2000d et seq.), as implemented by 32 CFR Part 195.
 2. On the basis of race, color or national origin, in Executive Order 11246 as implemented by 41 CFR Chapter 60.
 3. On the basis of sex or blindness, in Title IX of the Education Amendments of 1972 (20 U.S.C. §1681, et seq.), as implemented by 32 CFR Part 196.
 4. On the basis of age, in The Age Discrimination Act of 1975 (42 U.S.C. §6101, et seq.), as implemented by 45 CFR Part 90.
 5. On the basis of handicap, in Section 504 of the Rehabilitation Act of 1973 (29

BIDDING & CONTRACT REQUIREMENTS
00 43 42 - Federally Funded Project

U.S.C. §794), as implemented by 28 CFR part 41 and 32 CFR Part 56.

- C. **Drug Free Work Place.** In accordance with §805 of the MCA, the requirements of the Illinois Drug Free Workplace Act (30 ILCS 580/1, et seq.) apply regardless of how many people a contractor or subcontractor employs or the dollar value of the contract.
- D. **Environmental Protection.** Unless state law provides stronger protections, contractors and subcontractors shall comply with the provisions of §806 of the MCA.
- E. **Use Of United States Flag Carriers.** In accordance with §807 of the MCA, any federally funded international transportation of people or property shall be by U.S.-flag air carriers (air carriers holding certificates under 49 U.S.C. §41102) to the extent that such services is available, and in accordance with the International Air Transportation Fair Competitive Practices Act of 1979 and the inter-operative guidelines issued in the March 31, 1981, amendment to U.S. Comptroller General Decision B1389242. Where the possibility exists for ocean transportation of items procured, contracted for or otherwise obtained with federal funds by a contractor or subcontractor, the terms of the Cargo Preference Act of 1954 (46 U.S.C. Chapter 553), as implemented by Department of Transportation regulation at 46 CFR 381.7, and 46 CFR 381.7(b), shall apply.
- F. **Debarment And Suspension.** Non-federal entities and contractors are subject to the non-procurement debarment and suspension regulations implementing Executive Orders 12549 and 12689, 2 CFR part 180, in accordance with §808 of the MCA. These regulations restrict awards, subawards, and contracts with certain parties that are debarred, suspended, or otherwise excluded from or ineligible for participation in Federal assistance programs or activities. Bids shall not be solicited from, and contracts and subcontracts shall not be awarded to contractors or subcontractors listed on the Excluded Parties List System (which can be found at www.sam.gov.)
- G. **System For Award Management And Data Universal Numbering Requirements.** In accordance with §813 of the MCA, no entity may be awarded a contract or subcontract unless it obtains a Data Universal Numbering System (DUNS) number and provides it to the CDB with its bid documents. A DUNS number may be obtained from Dun and Bradstreet by telephone (currently 866-705-5711) or the internet (currently at <http://fedgov.dnb.com/webform>.)
- H. **Reporting Subawards And Executive Compensation.** No entity may be awarded a contract or subcontract unless it provides the CDB with the names and total compensation of each of its five most highly compensated executives in accordance with 2 CFR 170.100 et seq., as modified by §814 of the MCA and Article IV of the MCA Attachment A, which are incorporated by reference into this agreement.

BIDDING & CONTRACT REQUIREMENTS
00 43 42 - Federally Funded Project

FEDERAL EXHIBIT A
LISTING OF PREVAILING RATE OF WAGES

General Decision Number: IL190020 01/04/2019 IL20

Superseded General Decision Number: IL20180020

State: Illinois

Construction Types: Building Landscape, Heavy Landscape,
Highway Landscape and Residential Landscape

Counties: Boone, Cook, De Kalb, Du Page, Grundy, Henry, Kane,
Kankakee, Kendall, Lake, McHenry, McLean, Ogle, Peoria, Rock
Island, Tazewell, Will, Winnebago and Woodford Counties in
Illinois.

LANDSCAPING WORK ON BUILDING, RESIDENTIAL, HEAVY AND HIGHWAY
CONSTRUCTION PROJECTS.

Note: Under Executive Order (EO) 13658, an hourly minimum wage of \$10.60 for calendar year 2019 applies to all contracts subject to the Davis-Bacon Act for which the contract is awarded (and any solicitation was issued) on or after January 1, 2015. If this contract is covered by the EO, the contractor must pay all workers in any classification listed on this wage determination at least \$10.60 per hour (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on the contract in calendar year 2019. If this contract is covered by the EO and a classification considered necessary for performance of work on the contract does not appear on this wage determination, the contractor must pay workers in that classification at least the wage rate determined through the conformance process set forth in 29 CFR 5.5(a)(1)(ii) (or the EO minimum wage rate, if it is higher than the conformed wage rate). The EO minimum wage rate will be adjusted annually. Please note that this EO applies to the above-mentioned types of contracts entered into by the federal government that are subject to the Davis-Bacon Act itself, but it does not apply to contracts subject only to the Davis-Bacon Related Acts, including those set forth at 29 CFR 5.1(a)(2)-(60). Additional information on contractor requirements and worker protections under the EO is available at www.dol.gov/whd/govcontracts.

Modification Number	Publication Date
0	01/04/2019

* ENGI0150-013 06/01/2018

BUILDING AND HIGHWAY CONSTRUCTION (LANDSCAPE WORK): The

CDB-00 43 42 October 15, 2015
CDB 546-235-021

00 43 42 - 3

BIDDING & CONTRACT REQUIREMENTS
00 43 42 - Federally Funded Project

landscape work for the Landscape Equipment Operator excludes the preparation of sub-grade prior to application of finish landscape materials and the utilization of any equipment over one cubic yard.

BOONE, COOK, DUPAGE, GRUNDY, KANE, KENDALL, LAKE, MCHENRY, AND
WILL COUNTIES

Rates	Fringes
Operators:.....\$ 31.85	6.50+A+B
Includes Angle Dozer, Small; Bobcat and other similar type machines, 1 cu yd or less; Chipping Machine; Combination Backhoe and Front End Loader 1 cu yd or less; Fork Lift Truck; Hi-Reach and High-Ranger;Hydraulic Boom with Clam;Log Skidder; Sttrow Blower and Seeder; Stump Machine;Tractors, Crawlers, Rubber Tire Tractors, Highlift Shovels or Front End Loaders 1 cu yd or less; Tree Spades, all; Utility Tractor and attachments, and Rubber Tire Front End loader or similar machine of 1 to 1.5 cu yd solely used for placement of large decorative boulders, trees with balled soil, and other decorative landscape material too large to be accommodated in a 1 cu yd bucket. All other equipment utilized for performing landscape work, tree trimming or removal of stees, and to install plants; transport trees; excavate plant pits; place soil and other landscape materials; and apply finish landscape material on subgrade prepared by others	

FOOTNOTE:

A. Health and Welfare contribution is \$1,296.00 per month.

B. Paid Holidays: New Year's Day; Memorial Day; Fourth of July; Labor Day; Thanksgiving Day; and Christmas Day provided that all such employees shall have in fact worked their regularly scheduled work day immediately preceding and the regularly scheduled work day immediately succeeding the occurrence of such holiday.

* ENGI0150-023 06/01/2018

HIGHWAY CONSTRUCTION (LANDSCAPE WORK): The landscape work for the Landscape Equipment Operator excludes the preparation of sub-grade prior to application of finish landscape materials and the utilization of any equipment over one cubic yard.

HENRY, MCLEAN, OGLE, PEORIA, ROCK ISLAND, TAZEWELL, WINNEBAGO,
and WOODFORD COUNTIES

Rates	Fringes
CDB-00 43 42 October 15, 2015	
CDB 546-235-021	00 43 42 - 4

BIDDING & CONTRACT REQUIREMENTS
00 43 42 - Federally Funded Project

Operators:.....\$ 31.85 6.50+A+B
Includes the following: Angle Dozer, Small; Bobcat and other similar type machines, 1 cu yd or less; Chipping Machine; Combination Backhoe and Front End Loader 1 cu yd or less; Fork Lift Truck; Hi-Reach and High-Ranger; Hydraulic Boom with Clam; Log Skidder; Straw Blower and Seeder; Stump Machine; Tractors, Crawlers, Rubber Tire Tractors, Highlift Shovels or Front End Loaders 1 cu yd or less; Tree Spades, all; Utility Tractor and attachments, and Rubber Tire Front End loader or similar machine of 1 to 1.5 cu yd solely used for placement of large decorative boulders, trees with balled soil, and other decorative landscape material too large to be accommodated in a 1 cu yd bucket. All other equipment utilized for performing landscape work, tree trimming or removal of stumps, and to install plants; transport trees; excavate plant pits; place soil and other landscape materials; and apply finish landscape material on subgrade prepared by others

FOOTNOTE:

A. Health and Welfare contribution is \$1,296.00 per month.

B. Paid Holidays: New Year's Day; Memorial Day; Fourth of July; Labor Day; Thanksgiving Day; and Christmas Day provided that all such employees shall have in fact worked their regularly scheduled work day immediately preceding and the regularly scheduled work day immediately succeeding the occurrence of such holiday.

LABO0032-004 05/01/2018

HIGHWAY CONSTRUCTION

WINNEBAGO COUNTY

	Rates	Fringes
Landscape Laborer.....	\$ 35.40	31.73

LABO0362-003 05/01/2018

HIGHWAY CONSTRUCTION

MCLEAN COUNTY

	Rates	Fringes
Landscape Laborer.....	\$ 31.08	24.43

LABO0751-004 05/01/2012

HIGHWAY CONSTRUCTION

BIDDING & CONTRACT REQUIREMENTS
00 43 42 - Federally Funded Project

KANKAKEE COUNTY

	Rates	Fringes
Landscape Laborer.....	\$ 33.16	20.66

LABO0852-004 05/01/2006

HIGHWAY CONSTRUCTION

ROCK ISLAND AND HENRY COUNTIES

	Rates	Fringes
Landscape Laborer.....	\$ 21.94	12.79

LABO0996-004 05/01/2018

HIGHWAY CONSTRUCTION

PEORIA, TAZEWELL, AND WOODFORD COUNTIES

	Rates	Fringes
Landscape Laborer.....	\$ 32.73	23.74

TEAM0026-005 05/01/2017

MCLEAN (South of a straight line from where Route 24 intersects the Woodford County line in a Southeast direction to the South Southwest corner of Livingston County) COUNTY

	Rates	Fringes
TRUCK DRIVER		
Group 1.....	\$ 36.15	18.30
Group 2.....	\$ 36.67	18.30
Group 3.....	\$ 36.91	18.30
Group 4.....	\$ 37.25	18.30
Group 5.....	\$ 38.23	18.30

CLASSIFICATIONS:

GROUP 1: Drivers on 2 axles hauling less than 9 tons; air compressor & welding machines and brooms, including those pulled by separate units; Truck Driver Helper, warehouse employees; Mechanic Helpers; greasers and tiremen; pick-up trucks when hauling material, tools, or workers to and from and on the job site; and forklifts up to 6,000 lb capacity.

GROUP 2: 2 or 3 axles hauling more than 9 tons but hauling less than 16 tons; A-frame winch trucks; hydrolift trucks; Vactor Trucks or similar equipment when used for transportation purposes; Forklift over 6,000 lb.capacity; winch trucks; and four axle combination units.

BIDDING & CONTRACT REQUIREMENTS
00 43 42 - Federally Funded Project

GROUP 3: 2, 3 or 4 Axles hauling 16 tons or more; 5-Axles or more combination units; drivers on water pulls; articulated dump trucks; mechanics and working forepersons.

GROUP 4: Low Boy and Oil Distributors.

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

* TEAM0179-004 06/01/2017

GRUNDY, KENDALL, MCLEAN (North of a straight line starting at the intersection of McLean-Woodford Counties line & Route 24 in a Southeastern direction to the South Southwest corner of Livingston County), WILL, and WOODFORD (Northeast corner east of Route 51/251 & North of Route 24) COUNTIES

	Rates	Fringes
TRUCK DRIVER		
2-3 AXLES.....	\$ 37.68	0.15+a
4 AXLES.....	\$ 37.83	0.15+a
5 AXLES.....	\$ 38.03	0.15+a
6 AXLES.....	\$ 38.23	0.15+a

FOOTNOTES:

- a. \$733.20 per week.
- b. Lowboy rate based on number of axles

An additional \$.20 per axle shall be paid for all vehicles with more than six (6) axles.

CLASSIFICATIONS:

Group 1 - Frame Truck when used for transportation purposes; Air Compressor and Welding Machines, including those pulled by cars, pick-up trucks and tractors; Ambulances; Articulated Dumps; Batch Gate Lockers; Batch Hopperman; Car and Truck Washers; Carry Alls; Forl Lifts and Hoisters; Helpers; Mechanics Helpers and Greasers; Oil Distributors, two-man operation; Pavement Breakers; Pole Trailer, up to 40 feet; Pothole Repair Trucks; Power Mower Tractors; Quick Change Barrier; Self-Propelled Chip Spreader; Shipping and Receiving Clerks and Checkers; Skipman; Slurry Trucks, two-man operation; Slurry Trucks, Conveyor Operated - 2 or 3 man operation; Teamsters; Unskilled Dumpmen; Warehousemen and Dockmen; Truck Drivers hauling warning lights, barricades, and portable toilets on the job site

Group 2 - Dispatcher; Dump Crets and Adgetators under 7 yards; Dumpsters, Track Trucks, Euclids, Hug Bottom Dump Turnapulls or Turnatrailers when pulling other than self-loading equipment or similar equipment under 16 cubic

BIDDING & CONTRACT REQUIREMENTS
00 43 42 - Federally Funded Project

yards; Mixer Trucks under 7 yards; Ready-Mix Plant Hopper Operator; Winch Trucks, 2 Axles

Group 3 - Dump Crets and Adgetators, 7 yards and over; Dumpsters, Track Trucks, Euclids, Hug Bottom Dump Turnapulls or Turnatrailers when pulling other than self-loading equipment or similar equipment over 16 cubic yards; Explosives and/or Fission Material Trucks; Mixer Trucks 7 yards or over; Mobile Cranes while in transit; Oil Distributors, one-man operation; Pole Trailer, over 40 feet; Pole and Expandable Trailers hauling material over 50 feet long; Slurry Trucks, one-man operation; Winch Trucks, 3 axles or more; Mechanic - *Truck Welder and *Truck Painter*These classifications shall only apply in areas where and when it has been a past area practice; Asphalt Plant Operators in areas where it has been past practice

Group 4 - Dual-purpose vehicels, such as mounted crane tucks with hoist and accessories; Foreman; Master Mechanic; Self-loading equipment like P.B. and trucks with scoops on the front

* TEAM0179-008 06/01/2016

KANKAKEE COUNTY

	Rates	Fringes
TRUCK DRIVER		
2 or 3 axles.....	\$ 37.68	0.15+a
4 axles.....	\$ 37.83	0.15+a
5 axles.....	\$ 38.03	0.15+a
6 axles.....	\$ 38.23	0.15+a

FOOTNOTES:

- a. \$733.20 per week.
- b. Lowboy rate based on number of axles

An additional \$.20 per axle shall be paid for all vehicles with more than six (6) axles.

CLASSIFICATIONS:

Group 1 - Frame Truck when used for transportation purposes; Air Compressor and Welding Machines, including those pulled by cars, pick-up trucks and tractors; Ambulances; Articulated Dumps; Batch Gate Lockers; Batch Hopperman; Car and Truck Washers; Carry Alls; Forl Lifts and Hoisters; Helpers; Mechanics Helpers and Greasers; Oil Distributors, two-man operation; Pavement Breakers; Pole Trailer, up to 40 feet; Pothole Repair Trucks; Power Mower Tractors; Quick Change Barrier; Self-Propelled Chip Spreader; Shipping and Receiving Clerks and Checkers; Skipman; Slurry Trucks, two-man operation; Slurry Trucks, Conveyor Operated - 2 or

BIDDING & CONTRACT REQUIREMENTS
00 43 42 - Federally Funded Project

3 man operation; Teamsters; Unskilled Dumpmen; Warehousemen and Dockmen; Truck Drivers hauling warning lights, barricades, and portable toilets on the job site

Group 2 - Dispatcher; Dump Crets and Adgetators under 7 yards; Dumpsters, Track Trucks, Euclids, Hug Bottom Dump Turnapulls or Turnatrailers when pulling other than self-loading equipment or similar equipment under 16 cubic yards; Mixer Trucks under 7 yards; Ready-Mix Plant Hopper Operator; Winch Trucks, 2 Axles

Group 3 - Dump Crets and Adgetators, 7 yards and over; Dumpsters, Track Trucks, Euclids, Hug Bottom Dump Turnapulls or Turnatrailers when pulling other than self-loading equipment or similar equipment over 16 cubic yards; Explosives and/or Fission Material Trucks; Mixer Trucks 7 yards or over; Mobile Cranes while in transit; Oil Distributors, one-man operation; Pole Trailer, over 40 feet; Pole and Expandable Trailers hauling material over 50 feet long; Slurry Trucks, one-man operation; Winch Trucks, 3 axles or more; Mechanic - *Truck Welder and *Truck Painter*These classifications shall only apply in areas where and when it has been a past area practice; Asphalt Plant Operators in areas where it has been past practice

Group 4 - Dual-purpose vehicels, such as mounted crane tucks with hoist and accessories; Foreman; Master Mechanic; Self-loading equipment like P.B. and trucks with scoops on the front

* TEAM0301-001 06/01/2017

LAKE AND MCHENRY COUNTIES

	Rates	Fringes
TRUCK DRIVER		
2-3 AXLES.....	\$ 37.69	10.15+a
4 AXLES.....	\$ 37.84	10.15+a
5 AXLES.....	\$ 38.04	10.15+a
6 AXLES.....	\$ 38.24	10.15+a

FOOTNOTES:

- a. 325.20 per week.
- b. Lowboy rate based on number of axles

An additional \$.20 per axle shall be paid for all vehicles with more than six (6) axles.

Paid Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, and Christmas Day.

900 straight time hours or more in 1 calendar year for the same employer shall receive 1 week paid vacation; 3 years -

BIDDING & CONTRACT REQUIREMENTS
00 43 42 - Federally Funded Project

2 weeks paid vacation; 10 years - 3 weeks paid vacation; 20 years - 4 weeks paid vacation.

CLASSIFICATIONS:

Group 1 - Frame Truck when used for transportation purposes; Air Compressor and Welding Machines, including those pulled by cars, pick-up trucks and tractors; Ambulances; Articulated Dumps; Batch Gate Lockers; Batch Hopperman; Car and Truck Washers; Carry Alls; Forl Lifts and Hoisters; Helpers; Mechanics Helpers and Greasers; Oil Distributors, two-man operation; Pavement Breakers; Pole Trailer, up to 40 feet; Pothole Repair Trucks; Power Mower Tractors; Quick Change Barrier; Self-Propelled Chip Spreader; Shipping and Receiving Clerks and Checkers; Skipman; Slurry Trucks, two-man operation; Slurry Trucks, Conveyor Operated - 2 or 3 man operation; Teamsters; Unskilled Dumpmen; Warehousemen and Dockmen; Truck Drivers hauling warning lights, barricades, and portable toilets on the job site

Group 2 - Dispatcher; Dump Crets and Adgetators under 7 yards; Dumpsters, Track Trucks, Euclids, Hug Bottom Dump Turnapulls or Turnatrailers when pulling other than self-loading equipment or similar equipment under 16 cubic yards; Mixer Trucks under 7 yards; Ready-Mix Plant Hopper Operator; Winch Trucks, 2 Axles

Group 3 - Dump Crets and Adgetators, 7 yards and over; Dumpsters, Track Trucks, Euclids, Hug Bottom Dump Turnapulls or Turnatrailers when pulling other than self-loading equipment or similar equipment over 16 cubic yards; Explosives and/or Fission Material Trucks; Mixer Trucks 7 yards or over; Mobile Cranes while in transit; Oil Distributors, one-man operation; Pole Trailer, over 40 feet; Pole and Expandable Trailers hauling material over 50 feet long; Slurry Trucks, one-man operation; Winch Trucks, 3 axles or more; Mechanic - *Truck Welder and *Truck Painter*These classifications shall only apply in areas where and when it has been a past area practice; Asphalt Plant Operators in areas where it has been past practice

Group 4 - Dual-purpose vehicels, such as mounted crane tucks with hoist and accessories; Foreman; Master Mechanic; Self-loading equipment like P.B. and trucks with scoops on the front

* TEAM0325-004 06/01/2017

BOONE and WINNEBAGO COUNTIES

	Rates	Fringes
TRUCK DRIVER		
2 - 3 Axles.....	\$ 36.62	20.40

BIDDING & CONTRACT REQUIREMENTS
00 43 42 - Federally Funded Project

4 Axles.....	\$ 36.77	20.40
5 Axles.....	\$ 36.97	20.40
6 Axles.....	\$ 37.08	20.40

FOOTNOTE: An additional \$.20 per axle shall be paid for all vehicles with more than six (6) axles.

CLASSIFICATIONS:

Group 1 - Frame Truck when used for transportation purposes; Air Compressor and Welding Machines, including those pulled by cars, pick-up trucks and tractors; Ambulances; Batch Gate Lockers; Batch Hopperman; Car and Truck Washers; Forl Lifts and Hoisters; Helpers; Mechanics Helpers and Greasers; Oil Distributors, two-man operation; Pavement Breakers Pole Trailer, up to 40 feet; Power Mower Tractors; Skipman; Slurry Trucks, two-man operation; Teamsters; Truck Drivers hauling warning lights, barricades, and portable toilets on the job site

Group 2 - Dump Crets and Adgetators under 7 yards; Dumpsters, Track Trucks, Euclids, Hug Bottom Dump Turnapulls or Turnatrailers when pulling other than self-loading equipment or similar equipment under 16 cubic yards; Mixer Trucks under 7 yards; Ready-Mix Plant Hopper Operator; Winch Trucks, 2 Axles

Group 3 - Dump Crets and Adgetators, 7 yards and over; Dumpsters, Track Trucks, Euclids, Hug Bottom Dump Turnapulls or Turnatrailers when pulling other than self-loading equipment or similar equipment over 16 cubic yards; Explosives and/or Fission Material Trucks; Mixer Trucks 7 yards or over; Mobile Cranes while in transit; Oil Distributors, one-man operation Pole Trailer, over 40 feet; Pole and Expandable Trailers hauling material over 50 feet long, additional \$0.50 per hour; Slurry Trucks, one-man operation; Winch Trucks, 3 axles or more
*Mechanic*Truck Welder and Truck Painter; *Winter Rate: Between Dec. 15 and Feb. 28 the mechanic and welder rate shall be \$2.00 less than the scheduled scale. Truck Painter and Truck Welder classifications shall only apply in areas where and when it has been a past area practice; Dual-purpose vehicels, such as mounted crane tucks with hoist and accessories

Group 4 - Foreman; Master Mechanic; Self-loading equipment like P.B. and trucks with scoops on the front

* TEAM0330-004 06/01/2017

DEKALB and OGLE (North of Route 72/East of Route 251, Adeline, Byron, Creston, Dement, Forreston North of Route 72, Leaf River North of Route 72, Lynnville, Monroe, Rochelle, & Scott)

BIDDING & CONTRACT REQUIREMENTS
00 43 42 - Federally Funded Project

COUNTIES

	Rates	Fringes
TRUCK DRIVER		
2-3 AXLES.....	\$ 36.64	0.15+a
4 AXLES.....	\$ 36.79	0.15+a
5 AXLES.....	\$ 36.99	0.15+a
6 AXLES.....	\$ 37.19	0.15+a

FOOTNOTE: a. \$780.90 per week

An additional \$.20 per axle shall be paid for all vehicles with more than six (6) axles.

Paid Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, and Christmas Day.

900 straight time hours or more in 1 calendar year for the same employer shall receive 1 week paid vacation; 3 years - 2 weeks paid vacation; 10 years - 3 weeks paid vacation; 20 years - 4 weeks paid vacation.

CLASSIFICATIONS:

Group 1 - Frame Truck when used for transportation purposes; Air Compressor and Welding Machines, including those pulled by cars, pick-up trucks and tractors; Ambulances; Articulated Dumps; Batch Gate Lockers; Batch Hopperman; Car and Truck Washers; Carry Alls; Forl Lifts and Hoisters; Helpers; Mechanics Helpers and Greasers; Oil Distributors, two-man operation; Pavement Breakers; Pole Trailer, up to 40 feet; Pothole Repair Trucks; Power Mower Tractors; Quick Change Barrier; Self-Propelled Chip Spreader; Shipping and Receiving Clerks and Checkers; Skipman; Slurry Trucks, two-man operation; Slurry Trucks, Conveyor Operated - 2 or 3 man operation; Teamsters; Unskilled Dumpmen; Warehousemen and Dockmen; Truck Drivers hauling warning lights, barricades, and portable toilets on the job site

Group 2 - Dispatcher; Dump Crets and Adgetators under 7 yards; Dumpsters, Track Trucks, Euclids, Hug Bottom Dump Turnapulls or Turnatrailers when pulling other than self-loading equipment or similar equipment under 16 cubic yards; Mixer Trucks under 7 yards; Ready-Mix Plant Hopper Operator; Winch Trucks, 2 Axles

Group 3 - Dump Crets and Adgetators, 7 yards and over; Dumpsters, Track Trucks, Euclids, Hug Bottom Dump Turnapulls or Turnatrailers when pulling other than self-loading equipment or similar equipment over 16 cubic yards; Explosives and/or Fission Material Trucks; Mixer Trucks 7 yards or over; Mobile Cranes while in transit; Oil Distributors, one-man operation; Pole Trailer, over 40 feet; Pole and Expandable Trailers hauling material over 50

BIDDING & CONTRACT REQUIREMENTS
00 43 42 - Federally Funded Project

feet long;
Slurry Trucks, one-man operation; Winch Trucks, 3 axles or more; Mechanic - *Truck Welder and *Truck Painter*These classifications shall only apply in areas where and when it has been a past area practice; Asphalt Plant Operators in areas where it has been past practice

Group 4 - Dual-purpose vehicels, such as mounted crane tucks with hoist and accessories; Foreman; Master Mechanic; Self-loading equipment like P.B. and trucks with scoops on the front

TEAM0371-004 05/01/2017

HENRY and ROCK ISLAND COUNTIES

	Rates	Fringes
TRUCK DRIVER		
Group 1.....	\$ 36.26	18.51
Group 2.....	\$ 36.77	18.51
Group 3.....	\$ 37.05	18.51
Group 4.....	\$ 37.36	18.51
Group 5.....	\$ 38.35	18.51

CLASSIFICATIONS:

GROUP 1: Drivers on 2 axles hauling less than 9 tons; air compressor & welding machines and brooms, including those pulled by separate units; Truck Driver Helper, warehouse employees; Mechanic Helpers; greasers and tiremen; pick-up trucks when hauling material, tools, or workers to and from and on the job site; and forklifts up to 6,000 lb capacity.

GROUP 2: 2 or 3 axles hualing more than 9 tons but hauling less than 16 tons; A-frame winch trucks; hydrolift trucks; Vactor Trucks or similar equipment when used for transportation purposes; Forklift over 6,000 lb.capacity; winch trucks; and four axle combiation units.

GROUP 3: 2, 3 or 4 Axles hauling 16 tons or more; 5-Axles or more combination units; drivers on water pulls; articulated dump trucks; mechanics and working forepersons.

GROUP 4: Low Boy and Oil Distributors.

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

TEAM0627-004 05/01/2017

PEORIA, TAZEWELL, and WOODFORD COUNTIES

	Rates	Fringes
--	-------	---------

BIDDING & CONTRACT REQUIREMENTS
00 43 42 - Federally Funded Project

TRUCK DRIVER

Group 1.....	\$ 36.15	18.30
Group 2.....	\$ 36.67	18.30
Group 3.....	\$ 36.91	18.30
Group 4.....	\$ 37.25	18.30
Group 5.....	\$ 38.23	18.30

CLASSIFICATIONS:

GROUP 1: Drivers on 2 axles hauling less than 9 tons; air compressor & welding machines and brooms, including those pulled by separate units; Truck Driver Helper, warehouse employees; Mechanic Helpers; greasers and tiremen; pick-up trucks when hauling material, tools, or workers to and from and on the job site; and forklifts up to 6,000 lb capacity.

GROUP 2: 2 or 3 axles hauling more than 9 tons but hauling less than 16 tons; A-frame winch trucks; hydrolift trucks; Vactor Trucks or similar equipment when used for transportation purposes; Forklift over 6,000 lb.capacity; winch trucks; and four axle combination units.

GROUP 3: 2, 3 or 4 Axles hauling 16 tons or more; 5-Axles or more combination units; drivers on water pulls; articulated dump trucks; mechanics and working forepersons.

GROUP 4: Low Boy and Oil Distributors.

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

* TEAM0673-003 06/01/2017

DU PAGE and KANE COUNTIES

	Rates	Fringes
TRUCK DRIVER		
2-3 AXLES.....	\$ 36.93	0.15+a
4 AXLES.....	\$ 37.08	0.15+a
5 AXLES.....	\$ 37.28	0.15+a
6 AXLES.....	\$ 37.48	0.15+a

FOOTNOTE: a. \$767.70 per week.

An additional \$.20 per axle shall be paid for all vehicles with more than six (6) axles.

Paid Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, and Christmas Day.

900 straight time hours or more in 1 calendar year for the same employer shall receive 1 week paid vacation; 3 years - 2 weeks paid vacation; 10 years - 3 weeks paid vacation; 20

BIDDING & CONTRACT REQUIREMENTS
00 43 42 - Federally Funded Project

years - 4 weeks paid vacation.

CLASSIFICATIONS:

Group 1 - Frame Truck when used for transportation purposes; Air Compressor and Welding Machines, including those pulled by cars, pick-up trucks and tractors; Ambulances; Articulated Dumps; Batch Gate Lockers; Batch Hopperman; Car and Truck Washers; Carry Alls; Forl Lifts and Hoisters; Helpers; Mechanics Helpers and Greasers; Oil Distributors, two-man operation; Pavement Breakers; Pole Trailer, up to 40 feet; Pothole Repair Trucks; Power Mower Tractors; Quick Change Barrier; Self-Propelled Chip Spreader; Shipping and Receiving Clerks and Checkers; Skipman; Slurry Trucks, two-man operation; Slurry Trucks, Conveyor Operated - 2 or 3 man operation; Teamsters; Unskilled Dumpmen; Warehousemen and Dockmen; Truck Drivers hauling warning lights, barricades, and portable toilets on the job site

Group 2 - Dispatcher; Dump Crets and Adgetators under 7 yards; Dumpsters, Track Trucks, Euclids, Hug Bottom Dump Turnapulls or Turnatrailers when pulling other than self-loading equipment or similar equipment under 16 cubic yards; Mixer Trucks under 7 yards; Ready-Mix Plant Hopper Operator; Winch Trucks, 2 Axles

Group 3 - Dump Crets and Adgetators, 7 yards and over; Dumpsters, Track Trucks, Euclids, Hug Bottom Dump Turnapulls or Turnatrailers when pulling other than self-loading equipment or similar equipment over 16 cubic yards; Explosives and/or Fission Material Trucks; Mixer Trucks 7 yards or over; Mobile Cranes while in transit; Oil Distributors, one-man operation; Pole Trailer, over 40 feet; Pole and Expandable Trailers hauling material over 50 feet long; Slurry Trucks, one-man operation; Winch Trucks, 3 axles or more; Mechanic - *Truck Welder and *Truck Painter*These classifications shall only apply in areas where and when it has been a past area practice; Asphalt Plant Operators in areas where it has been past practice

Group 4 - Dual-purpose vehicels, such as mounted crane tucks with hoist and accessories; Foreman; Master Mechanic; Self-loading equipment like P.B. and trucks with scoops on the front

TEAM0722-005 05/01/2015

OGLE (North of Route 72/East of Route 251) COUNTY

	Rates	Fringes
TRUCK DRIVER		
Group 1.....	\$ 34.10	17.09
Group 2.....	\$ 34.60	17.09

CDB-00 43 42 October 15, 2015
CDB 546-235-021

00 43 42 - 15

BIDDING & CONTRACT REQUIREMENTS
00 43 42 - Federally Funded Project

Group 3.....	\$ 34.82	17.09
Group 4.....	\$ 35.14	17.09
Group 5.....	\$ 36.06	17.09

CLASSIFICATIONS:

GROUP 1: Drivers on 2 axles hauling less than 9 tons; air compressor & welding machines and brooms, including those pulled by separate units; Truck Driver Helper, warehouse employees; Mechanic Helpers; greasers and tiremen; pick-up trucks when hauling material, tools, or workers to and from and on the job site; and forklifts up to 6,000 lb capacity.

GROUP 2: 2 or 3 axles hauling more than 9 tons but hauling less than 16 tons; A-frame winch trucks; hydrolift trucks; Vector Trucks or similar equipment when used for transportation purposes; Forklift over 6,000 lb.capacity; winch trucks; and four axle combination units.

GROUP 3: 2, 3 or 4 Axles hauling 16 tons or more; 5-Axles or more combination units; drivers on water pulls; articulated dump trucks; mechanics and working forepersons.

GROUP 4: Low Boy and Oil Distributors.

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

TEAM0731-001 06/01/2017

COOK COUNTY - HEAVY AND HIGHWAY

	Rates	Fringes
TRUCK DRIVER		
2 or 3 Axles.....	\$ 35.60	22.10
4 Axles.....	\$ 35.85	22.10
5 Axles.....	\$ 36.05	22.10
6 Axles.....	\$ 36.25	22.10

FOOTNOTES:

A. Paid Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, and Christmas Day.

B. 900 straight time hours or more in 1 calendar year for the same employer shall receive 1 week paid vacation; 3 years - 2 weeks paid vacation; 10 years - 3 weeks paid vacation; 20 years - 4 weeks paid vacation.

C. An additional \$.20 per axle shall be paid for all vehicles with more than six (6) axles.

BIDDING & CONTRACT REQUIREMENTS
00 43 42 - Federally Funded Project

TEAM0786-001 06/01/2017

COOK COUNTY - BUILDING AND RESIDENTIAL

	Rates	Fringes
TRUCK DRIVER		
2 & 3 Axles.....	\$ 39.942	0.25+a
4 Axles.....	\$ 39.75	0.25+a
5 Axles.....	\$ 39.967	0.25+a
6 Axles.....	\$ 40.184	0.25+a

FOOTNOTES:

a. \$719.00 per week.

An additional \$.20 per axle shall be paid for all vehicles with more than six (6) axles.

Paid Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, and Christmas Day.

900 straight time hours or more in 1 calendar year for the same employer shall receive 1 week paid vacation; 3 years - 2 weeks paid vacation; 10 years - 3 weeks paid vacation; 20 years - 4 weeks paid vacation.

SUIL1993-001 01/19/1993

BUILDING CONSTRUCTION (LANDSCAPE WORK):

	Rates	Fringes
LABORER		
BOONE, GRUNDY, KANE, KENDALL, LAKE, MCHENRY, & WILL COUNTIES		
LANDSCAPE LABORERS.....	\$ 7.25	
COOK COUNTY		
LANDSCAPE LABORERS.....	\$ 7.25	
LANDSCAPE PLANTSMAN.....	\$ 9.80	1.82
DE KALB COUNTY		
LANDSCAPE LABORERS.....	\$ 7.25	
LANDSCAPE OPERATORS.....	\$ 7.25	
LANDSCAPE PLANTSMAN.....	\$ 9.66	.26
DU PAGE COUNTY		
LANDSCAPE LABORERS.....	\$ 7.25	
LANDSCAPE PLANTSMAN.....	\$ 9.04	1.16
GRUNDY, LAKE & WILL COUNTIES		
LANDSCAPE DRIVER 2 & 3 Axles.....	\$ 11.86	2.81
LANDSCAPE PLANTSMAN.....	\$ 12.00	3.32

SUIL1993-002 01/19/1993

BIDDING & CONTRACT REQUIREMENTS
00 43 42 - Federally Funded Project

HEAVY CONSTRUCTION (LANDSCAPE WORK)

	Rates	Fringes
LABORER		
BOONE, GRUNDY, KANE, KENDALL, LAKE, MCHENRY & WILL COUNTIES:		
LANDSCAPE DRIVER, 2 & 3		
AXLES.....	\$ 11.94	2.42
LANDSCAPE LABORERS.....	\$ 7.25	
LANDSCAPE OPERATORS.....	\$ 13.11	3.01
LANDSCAPE PLANTSMAN.....	\$ 9.73	2.05
COOK COUNTY:		
LANDSCAPE DRIVER, 2 & 3		
AXLES.....	\$ 9.93	1.89
LANDSCAPE LABORERS.....	\$ 7.25	
LANDSCAPE OPERATORS.....	\$ 10.98	2.12
LANDSCAPE PLANTSMAN.....	\$ 10.08	2.06
DE KALB COUNTY:		
LANDSCAPE LABORERS.....	\$ 7.25	
LANDSCAPE OPERATORS.....	\$ 7.25	
LANDSCAPE PLANTSMAN.....	\$ 9.66	.26
DU PAGE COUNTY:		
LANDSCAPE DRIVER, 2 & 3		
AXLES.....	\$ 8.32	1.02
LANDSCAPE LABORERS.....	\$ 7.25	
LANDSCAPE OPERATORS.....	\$ 10.75	
LANDSCAPE PLANTSMAN.....	\$ 10.65	

SUIL1993-003 01/19/1993

HIGHWAY CONSTRUCTION (LANDSCAPE WORK):

	Rates	Fringes
LABORER		
DE KALB COUNTY		
LANDSCAPE LABORERS.....	\$ 7.25	
LANDSCAPE OPERATORS.....	\$ 7.25	
LANDSCAPE PLANTSMAN.....	\$ 9.66	.26
KANKAKEE COUNTY:		
LANDSCAPE DRIVER.....	\$ 8.75	.17
LANDSCAPE OPERATOR.....	\$ 16.57	3.56
PEORIA, TAZEWELL, & WOODFORD COUNTIES:		
TRUCK DRIVERS 2 & 3 AXLES..	\$ 17.58	5.88

WELDERS - Receive rate prescribed for craft performing
operation to which welding is incidental.

=====

Note: Executive Order (EO) 13706, Establishing Paid Sick Leave

BIDDING & CONTRACT REQUIREMENTS
00 43 42 - Federally Funded Project

for Federal Contractors applies to all contracts subject to the Davis-Bacon Act for which the contract is awarded (and any solicitation was issued) on or after January 1, 2017. If this contract is covered by the EO, the contractor must provide employees with 1 hour of paid sick leave for every 30 hours they work, up to 56 hours of paid sick leave each year. Employees must be permitted to use paid sick leave for their own illness, injury or other health-related needs, including preventive care; to assist a family member (or person who is like family to the employee) who is ill, injured, or has other health-related needs, including preventive care; or for reasons resulting from, or to assist a family member (or person who is like family to the employee) who is a victim of, domestic violence, sexual assault, or stalking. Additional information on contractor requirements and worker protections under the EO is available at www.dol.gov/whd/govcontracts.

Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29CFR 5.5 (a) (1) (ii)).

The body of each wage determination lists the classification and wage rates that have been found to be prevailing for the cited type(s) of construction in the area covered by the wage determination. The classifications are listed in alphabetical order of "identifiers" that indicate whether the particular rate is a union rate (current union negotiated rate for local), a survey rate (weighted average rate) or a union average rate (weighted union average rate).

Union Rate Identifiers

A four letter classification abbreviation identifier enclosed in dotted lines beginning with characters other than "SU" or "UAVG" denotes that the union classification and rate were prevailing for that classification in the survey. Example: PLUM0198-005 07/01/2014. PLUM is an abbreviation identifier of the union which prevailed in the survey for this classification, which in this example would be Plumbers. 0198 indicates the local union number or district council number where applicable, i.e., Plumbers Local 0198. The next number, 005 in the example, is an internal number used in processing the wage determination. 07/01/2014 is the effective date of the most current negotiated rate, which in this example is July 1, 2014.

Union prevailing wage rates are updated to reflect all rate changes in the collective bargaining agreement (CBA) governing this classification and rate.

Survey Rate Identifiers

BIDDING & CONTRACT REQUIREMENTS
00 43 42 - Federally Funded Project

Classifications listed under the "SU" identifier indicate that no one rate prevailed for this classification in the survey and the published rate is derived by computing a weighted average rate based on all the rates reported in the survey for that classification. As this weighted average rate includes all rates reported in the survey, it may include both union and non-union rates. Example: SULA2012-007 5/13/2014. SU indicates the rates are survey rates based on a weighted average calculation of rates and are not majority rates. LA indicates the State of Louisiana. 2012 is the year of survey on which these classifications and rates are based. The next number, 007 in the example, is an internal number used in producing the wage determination. 5/13/2014 indicates the survey completion date for the classifications and rates under that identifier.

Survey wage rates are not updated and remain in effect until a new survey is conducted.

Union Average Rate Identifiers

Classification(s) listed under the UAVG identifier indicate that no single majority rate prevailed for those classifications; however, 100% of the data reported for the classifications was union data. EXAMPLE: UAVG-OH-0010 08/29/2014. UAVG indicates that the rate is a weighted union average rate. OH indicates the state. The next number, 0010 in the example, is an internal number used in producing the wage determination. 08/29/2014 indicates the survey completion date for the classifications and rates under that identifier.

A UAVG rate will be updated once a year, usually in January of each year, to reflect a weighted average of the current negotiated/CBA rate of the union locals from which the rate is based.

WAGE DETERMINATION APPEALS PROCESS

1.) Has there been an initial decision in the matter? This can be:

- * an existing published wage determination
- * a survey underlying a wage determination
- * a Wage and Hour Division letter setting forth a position on a wage determination matter
- * a conformance (additional classification and rate) ruling

On survey related matters, initial contact, including requests for summaries of surveys, should be with the Wage and Hour Regional Office for the area in which the survey was conducted because those Regional Offices have responsibility for the Davis-Bacon survey program. If the response from this initial

BIDDING & CONTRACT REQUIREMENTS
00 43 42 - Federally Funded Project

contact is not satisfactory, then the process described in 2.) and 3.) should be followed.

With regard to any other matter not yet ripe for the formal process described here, initial contact should be with the Branch of Construction Wage Determinations. Write to:

Branch of Construction Wage Determinations
Wage and Hour Division
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

2.) If the answer to the question in 1.) is yes, then an interested party (those affected by the action) can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Write to:

Wage and Hour Administrator
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

The request should be accompanied by a full statement of the interested party's position and by any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

3.) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

4.) All decisions by the Administrative Review Board are final.

=====

END OF GENERAL DECISION

END 00 43 42

This page is intentionally blank

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).

BIDDING & CONTRACT REQUIREMENTS
00 43 43 - Prevailing Wage Act

Current Prevailing Wage Rates (Downloaded January 8, 2019)

URL: <https://data.illinois.gov/dataset/8d883a59-ed92-46e7-b2ce-e270def7c179/resource/0c95f063-aed9-4db7-adc3-c224acee8fc2/download/prevailing-wage-rates.csv>

Effective Date	County	Trade Title	Region	Type	Class	Base Wage	Foreman Wage	OT M-F	OT Sa	OT Su	OT Hol	H/W	Pension	Vacation	Training	Other Fringe Benefit
10/26/2018	Cook	ASBESTOS ABT-GEN	All	ALL		42.72	43.72	1.5	1.5	2	2	14.9	12.57	0	0.72	0
11/5/2018	Cook	ASBESTOS ABT-MEC	All	BLD		37.88	40.38	1.5	1.5	2	2	12.92	11.82	0	0.72	0
8/15/2018	Cook	BOILERMAKER	All	BLD		49.46	53.91	1.5	1.5	2	2	6.97	20.4	0	1.6	0
11/16/2018	Cook	BRICK MASON	All	BLD		46.19	50.81	1.5	1.5	2	2	10.65	17.92	0	0.92	0
8/15/2018	Cook	CARPENTER	All	ALL		47.35	49.35	1.5	1.5	2	2	11.79	20.41	0	0.63	0
8/15/2018	Cook	CEMENT MASON	All	ALL		45.25	47.25	2	1.5	2	2	14.25	17.03	0	1.1	1.36
11/16/2018	Cook	CERAMIC TILE FNSHER	All	BLD		39.56	39.56	1.5	1.5	2	2	10.75	12.02	0	0.77	0
8/15/2018	Cook	COMM. ELECT.	All	BLD		43.96	46.76	1.5	1.5	2	2	9.85	13.26	1.25	0.85	0
8/15/2018	Cook	ELECTRIC PWR EQMT OP	All	ALL		51.9	56.9	1.5	1.5	2	2	12.04	17.18	0	3.23	0
10/26/2018	Cook	ELECTRIC PWR GRNDMAN	All	ALL		40.48	56.9	1.5	1.5	2	2	9.39	13.4	0	2.51	0
11/16/2018	Cook	ELECTRIC PWR LINEMAN	All	ALL		51.9	56.9	1.5	1.5	2	2	12.04	17.18	0	3.23	0.12
8/15/2018	Cook	ELECTRICIAN	All	ALL		48.35	51.35	1.5	1.5	2	2	15.13	16.52	1.25	1.28	0
8/15/2018	Cook	ELEVATOR CONSTRUCTOR	All	BLD		54.85		2	2	2	2	15.43	16.61	4.39	0.61	0
8/15/2018	Cook	FENCE ERECTOR	All	ALL		40.88	42.88	1.5	1.5	2	1.5	13.59	14.76	0	0.65	0
8/15/2018	Cook	GLAZIER	All	BLD		43.85	45.35	1.5	2	2	2	14.37	21.11	0	0.94	0
8/15/2018	Cook	HT/FROST INSULATOR	All	BLD		50.5	53	1.5	1.5	2	2	12.92	13.16	0	0.87	0

BIDDING & CONTRACT REQUIREMENTS
00 43 43 - Prevailing Wage Act

8/15/2018	Cook	IRON WORKER	All	ALL		48.33	51.83	2	2	2	2	14.15	23.28	0	0.35	0
11/30/2018	Cook	LABORER	All	ALL		42.72	43.47	1.5	1.5	2	2	14.9	12.57	0	0.72	0
8/15/2018	Cook	LATHER	All	ALL		47.35	49.35	1.5	1.5	2	2	11.79	20.41	0	0.63	0
8/15/2018	Cook	MACHINIST	All	BLD		48.38	50.88	1.5	1.5	2	2	7.23	8.95	1.85	1.32	0
8/15/2018	Cook	MARBLE FINISHERS	All	ALL		34.65	47.7	1.5	1.5	2	2	10.65	16.46	0	0.49	0
8/15/2018	Cook	MARBLE MASON	All	BLD		45.43	49.97	1.5	1.5	2	2	10.65	17.39	0	0.61	0
11/23/2018	Cook	MATERIAL TESTER I	All	ALL		32.72	32.72	1.5	1.5	2	2	14.9	12.57	0	0.72	0
8/15/2018	Cook	MATERIALS TESTER II	All	ALL		40.37		1.5	1.5	2	2	18.55	8.85	0	1.1	1.5
8/15/2018	Cook	MILLWRIGHT	All	ALL		46.35	48.35	1.5	1.5	2	2	13.05	18.87	0	0	0
11/9/2018	Cook	OPERATING ENGINEER	All	BLD	1	51.1	55.1	2	2	2	2	19.65	15.1	2	1.4	0
10/26/2018	Cook	OPERATING ENGINEER	All	BLD	2	49.8	55.1	2	2	2	2	19.65	15.1	2	1.4	0
10/26/2018	Cook	OPERATING ENGINEER	All	BLD	3	47.25	55.1	2	2	2	2	19.65	15.1	2	1.4	0
10/26/2018	Cook	OPERATING ENGINEER	All	BLD	4	45.5	55.1	2	2	2	2	19.65	15.1	2	1.4	0
8/15/2018	Cook	OPERATING ENGINEER	All	BLD	5	54.85	55.1	2	2	2	2	19.65	15.1	2	1.4	0
8/15/2018	Cook	OPERATING ENGINEER	All	BLD	6	53.1		2	2	2	2	0	0	0	0	36.45
8/15/2018	Cook	OPERATING ENGINEER	All	BLD	7	54.1	55.1	2	2	2	2	19.65	15.1	2	1.4	0
8/15/2018	Cook	OPERATING ENGINEER	All	FLT	1	57.05	57.05	1.5	1.5	2	2	18.8	14.35	2	1.3	0
8/15/2018	Cook	OPERATING ENGINEER	All	FLT	2	55.55	57.05	1.5	1.5	2	2	18.8	14.35	2	1.3	0
8/15/2018	Cook	OPERATING ENGINEER	All	FLT	3	49.45	57.05	1.5	1.5	2	2	18.8	14.35	2	1.3	0
8/15/2018	Cook	OPERATING ENGINEER	All	FLT	4	41.1	57.05	1.5	1.5	2	2	18.8	14.35	2	1.3	0
8/15/2018	Cook	OPERATING ENGINEER	All	FLT	5	58.55	57.05	1.5	1.5	2	2	18.8	14.35	2	1.3	0

BIDDING & CONTRACT REQUIREMENTS
00 43 43 - Prevailing Wage Act

8/15/2018	Cook	OPERATING ENGINEER	All	FLT	6	38	57.05	1.5	1.5	2	2	18.8	14.35	2	1.3	0
11/5/2018	Cook	OPERATING ENGINEER	All	HWY	1	49.3	53.3	1.5	1.5	2	2	19.65	15.1	2	1.4	1.13
11/9/2018	Cook	OPERATING ENGINEER	All	HWY	2	48.75	53.3	1.5	1.5	2	2	19.65	15.1	2	1.4	0
10/26/2018	Cook	OPERATING ENGINEER	All	HWY	3	46.7	53.3	1.5	1.5	2	2	19.65	15.1	2	1.4	0
8/15/2018	Cook	OPERATING ENGINEER	All	HWY	4	51.2		1.5	1.5	2	2	18	21.28	1.5	0.15	0
10/26/2018	Cook	OPERATING ENGINEER	All	HWY	5	44.1	53.3	1.5	1.5	2	2	19.65	15.1	2	1.4	0
11/9/2018	Cook	OPERATING ENGINEER	All	HWY	6	52.3	53.3	1.5	1.5	2	2	19.65	15.1	2	1.4	0
11/9/2018	Cook	OPERATING ENGINEER	All	HWY	7	50.3	53.3	1.5	1.5	2	2	19.65	15.1	2	1.4	0
8/15/2018	Cook	ORNAMNTL IRON WORKER	All	ALL		48.05	50.55	2	2	2	2	14.09	20.59	0	1.25	0.38
11/16/2018	Cook	PAINTER	All	ALL		46.55	52.36	1.5	1.5	1.5	2	11.81	11.94	0	1.87	0
8/15/2018	Cook	PAINTER SIGNS	All	BLD		39.24	0	1.5	1.5	1.5	2	2.6	3.18	0	0	0
8/15/2018	Cook	PILEDRIIVER	All	ALL		47.35	49.35	1.5	1.5	2	2	11.79	20.41	0	0.63	0
11/16/2018	Cook	PIPEFITTER	All	BLD		48.5	51.5	1.5	1.5	2	2	10.05	18.85	0	2.54	0
8/15/2018	Cook	PLASTERER	All	BLD		43.25	45.85	1.5	1.5	2	2	14.25	16.69	0	1.35	0
10/26/2018	Cook	PLUMBER	All	BLD		50.25	53.25	1.5	1.5	2	2	14.34	14.42	0	1.31	0
8/15/2018	Cook	ROOFER	All	BLD		43.65	47.65	1.5	1.5	2	2	9.73	12.44	0	0.53	0
8/15/2018	Cook	SHEETMETAL WORKER	All	BLD		44.25	47.79	1.5	1.5	2	2	11.35	24.68	0	1.68	0
8/15/2018	Cook	SIGN HANGER	All	BLD		31.31		1.5	1.5	2	2	4.85	3.28	0	0	0
8/15/2018	Cook	SPRINKLER FITTER	All	BLD		48.1	50.6	1.5	1.5	2	2	13.25	15.9	0	0.68	0
8/15/2018	Cook	STEEL ERECTOR	ALL	ALL		42.07	44.07	2	2	2	2	13.45	19.59	0	0.35	
8/15/2018	Cook	STONE MASON	All	BLD		46.19	50.81	1.5	1.5	2	2	10.65	17.92	0	0.92	0
11/16/2018	Cook	TERRAZZO FINISHER	All	BLD		41.54	44.54	1.5	1.5	2	2	10.75	13.71	0	0.86	0
12/14/2018	Cook	TERRAZZO	All	BLD		45.38	48.88	1.5	1.5	2	2	10.75	15.17	0	0.89	0

CDB-00 43 43 July 2014

CDB 546-235-021

00 43 43- 4

BIDDING & CONTRACT REQUIREMENTS
00 43 43 - Prevailing Wage Act

		MASON														
11/16/2018	Cook	TILE MASON	All	BLD		46.49	50.49	1.5	1.5	2	2	10.75	14.99	0	0.9	0
8/15/2018	Cook	TRAFFIC SAFETY WRKR	All	HWY		37	38.6	1.5	1.5	2	2	8.9	9.27	0	0.5	0
8/15/2018	Cook	TRUCK DRIVER	E	ALL	1	35.6		1.5	1.5	2	2	8.6	10.61	1	0.15	1
8/15/2018	Cook	TRUCK DRIVER	E	ALL	2	36.7	37.1	1.5	1.5	2	2	9.68	13.25	0	0.15	0
8/15/2018	Cook	TRUCK DRIVER	E	ALL	3	36.9		1.5	1.5	2	2	9.68	13.25	0	0.15	0
8/15/2018	Cook	TRUCK DRIVER	E	ALL	4	37.1		1.5	1.5	2	2	9.68	13.25	0	0.15	0
8/15/2018	Cook	TRUCK DRIVER	W	ALL	1	37.69		1.5	1.5	2	2	10.5	8.5	0	0.15	0
8/15/2018	Cook	TRUCK DRIVER	W	ALL	2	36.13		1.5	1.5	2	2	18.85	8.85	0	2.6	0
8/15/2018	Cook	TRUCK DRIVER	W	ALL	3	40.34		1.5	1.5	2	2	10.47	12.5	0	0.5	2.81
8/15/2018	Cook	TRUCK DRIVER	W	ALL	4	38.16		1.5	1.5	2	2	8.9	11.16	0	0.5	0
10/26/2018	Cook	TUCK POINTER	All	BLD		46	48	1.5	1.5	2	2	8.34	16.81	0	0.93	0

END 00 43 43.

This page is intentionally blank

DIVISION 1 - GENERAL REQUIREMENTS
01 11 00 – Project Summary

1. **STANDARD DOCUMENTS FOR CONSTRUCTION:** CDB's 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:**

A. DESCRIPTION:

This project consists of replacing a roof and parking lot at the US Property/Fiscal Office Building (H2452) on the North Riverside Armory. Remove and replace approximately 7,625 square feet of roof on building. Remove the existing asphalt parking lot P-2 and replace it with a new concrete parking lot. Minor grading, shaping, and landscape is also required.

B. EXISTING CONDITIONS:

The site is a currently active Office Building, Warehouse, and Parking Lot that will be occupied during construction. Construction activities must be coordinated with the A/E and the Department of Military Affairs in advance of stages of construction.

The parking lot to be rebuilt serves as an access to an adjacent storage lot. Alternate access to that lot is available. The remainder of the parking lot will be active during construction. Locations for construction parking, dumpster locations, etc., must be coordinated with the A/E and the Department of Military Affairs in advance of use by the Contractor.

The site is a secure site. Site security will be provided by the Department of Military Affairs. The Contractor must comply with site security measures as indicated in 01 35 53.

C. RELATED WORK

1. **WORK BY OTHERS:**

None

2. **FUTURE WORK:**

None

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

The 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 accordance with the contract (Final Acceptance) within 30 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:

The contractor 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.** The 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.
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.
14. **VALUE MANAGEMENT.** The value management program is applicable to this project.

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) 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.

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. 01 11 00 - Project Summary
- 2. 01 33 23 - Shop Drawings, Product Data and Samples

1.3 FORM OF SCHEDULE

- A. The project schedule shall prepare a standard horizontal bar chart or Gantt chart.
- 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.

DIVISION 1 – GENERAL REQUIREMENTS

01 32 00 – Construction Schedule

Non-CPM Option

1.6 REPORTS AND SUBMITTALS

- A. Within 7 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 8.5" by 11" 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.

1. GENERAL

1.1 REQUIREMENTS INCLUDE:

A. The General Contractor lay out the work under their contract.

1.2 RELATED REQUIREMENTS

A. Specified Elsewhere:

1. 01 11 00 - General Requirements.

B. By Others:

1. Architect/Engineer will Provide:

- a. A topographic survey of the site, giving all grades and lines of streets, alleys, pavements, and adjoining properties, rights-of-way, encroachments, boundaries, and contours of the building site.
- b. Locations, dimensions and data pertaining to the existing:
 - 1.) Buildings.
 - 2.) Trees and Landscaping.
 - 3.) Pavements.
- c. Information regarding available public and private service and utility lines.
- d. Setting of survey baseline control points for horizontal and vertical control.
- e. Benchmark and temporary benchmark location, reference, and elevation of each.

1.1 QUALITY ASSURANCE;

A. Qualifications of Surveyor:

- 1. Three years of experience in layout of similar or more difficult complexity.

1.2 SUBMITTALS;

A. Submit resume of surveyor for documentation purposes only.

B. CDB or the A/E may at any time require written verification of grades, lines, and levels by a licensed surveyor as work progresses.

DIVISION 1 – GENERAL REQUIREMENTS

01 32 23 – Survey and Layout Data

END 01 32 23.

1. GENERAL

1.1 REQUIREMENTS INCLUDE

A. The General Contractor shall:

1. Verify field dimensions.
2. Verify compliance with Contract requirements.
3. Certify review.
4. Make submittals to the Architect/Engineer. The Architect/Engineer shall maintain a master list of submittals

1.2 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: 36" x 24".

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.

1.3 SCHEDULE SUBMITTAL

A. Submit schedule of all exhibits to Architect/Engineer within 10 business days after preconstruction meeting.

1. Prepare schedule in bar chart format. Include:
 - a. Exhibit identification.
 - b. Specification section and page number.

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

- 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 2 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. Supplier.
 - d. Manufacturer.
 - e. 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, (4 " 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.

1.4 RESUBMISSION REQUIREMENTS

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

1.5 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.

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.

1.6 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.

5. Submittals to A/E

- a. 01 32 23 – Survey and Layout Data
 - 1.) Written Verification of Grades, Lines, and Levels when required.
- b. 06 10 00 - Rough Carpentry
 - 1.) Product Data

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

- c. 07 54 19 – PVC/KEE MEMBRANE ROOFING
 - 1.) Endorsement of roofing firm
 - 2.) Product data
- d. 07 62 00 Sheet Metal Flashing and Trim
 - 1.) Product data
- e. 07 72 00 Roof Accessories
 - 1.) Shop Drawings
 - 2.) Product Data
 - 3.) Samples
- f. 07 92 00 Joint Sealants
 - 1.) Product Data
 - 2.) Samples
 - 3.) Sealant schedule
- g. 32 11 23 – Aggregate Base Course
 - 1.) Qualification Data
 - 2.) Material Certificates
- h. 32 13 13 – Concrete Paving
 - 1.) Mix Design
 - 2.) Qualification Data
 - 3.) Material Test Reports
 - 4.) Material Certificates
 - 5.) Product Data: Admixtures, surface treatments, traffic markings, and handicap parking signs.
- i. 32 92 19 – Seeding
 - 1.) Vendor's Certification
 - 2.) Product Data: Seed Mix
 - 3.) Product Data: Fertilizer

END 01 33 23

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 73 29 - Cutting & Patching
3. 01 74 13 - Construction Cleaning
4. 01 74 23 - Final Cleaning.

1.3 SEQUENCE AND SCHEDULES

A. Submit separate detailed subschedule 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.

DIVISION 1 – GENERAL REQUIREMENTS

01 35 16 – Remodeling Project Procedures

- 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.

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 REMOVE EXISTING CONSTRUCTION

- A. Temporary Removals:
 - 1. Reinstall in original location all mechanicals located on the roof as indicated in the drawings.

- 3.2 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.

3.3 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

DIVISION 1 – GENERAL REQUIREMENTS

01 35 16 – Remodeling Project Procedures

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.

This page is intentionally blank

DIVISION 1 - GENERAL REQUIREMENTS
01 35 53 - Security

1. GENERAL

1.1 REQUIREMENTS INCLUDE General Contractor:

- A. Comply with site security program specified in Article 01 35 53 of the Standard Documents for Construction.

1.2 RELATED REQUIREMENTS

- A. Specified elsewhere:
 - 1. 01 11 00 – Project Summary
 - 2. 01 32 00 - Project Schedule

1.3 MISCELLANEOUS RESTRICTIONS:

- A. This project will be performed at a secure site. Site security operations will be performed by others. All construction personnel who will be allowed access to the site must pass a background check. Simple deliveries do not require a background check. A background check form is attached as Exhibit A to this section.
- B. The Contractor is responsible for coordinating background checks with the Department of Military Affairs. The contact at the Department of Military Affairs is:
 - Kyle Blumhorst
 - Department of Military Affairs
 - Construction and Facilities Management Office
 - (217) 761-3330
 - Kyle.w.blumhorst.nfg@mail.mil
- C. The Contractor should allow one (1) calendar weeks for the background check to be completed.
- D. A list of individuals who have passed the background check will be kept at the gate of the North Riverside Armory. Only those individuals with valid State ID and who also appear on the list of cleared individuals may be allowed access to the site.
- E. The gate will be provided with a copy of the monthly schedule and updated weekly. Any deviations from the schedule must be coordinated with the A/E and the Department of Military Affairs in a timely fashion.
- F. All vehicles and equipment entering and leaving the site may be subject to search and inspection.

END 01 35 53.

This page is intentionally blank

Consent For Background Check Vendors/Contractors

Project Title:	Contract Number:
Project Location:	Contractor employee works for:

Consent to Criminal History

I hereby acknowledge understanding, that with the voluntary completion of this application, I am requesting access to an Illinois Army National Guard (ILARNG) facility. I hereby authorize Force Protection, which may in the files of any federal, state, or local law enforcement agencies.

Privacy Act Statement

AUTHORITY: Privacy Act of 1974 (5USC SECTION 552(A) (7)) 41 USC Section 423, Section 3101 Title 44-10 USC 8013 Executive order 9397, USC 552A, 5CFR Section 2635.602, AR 340-21 Title 10 and 37 USC, 20 ILCS 2630/3.

PRINCIPLE PURPOSE: To enable military security and/or law enforcement personnel to conduct Citizenship and Criminal Background Checks for civilians requesting access to ILARNG Facilities.

DISCLOSURE: Voluntary. Failure to provide requested information will result in denial of access to ILARNG Facilities.

NOTICE: The information on this form is being collected in accordance with Federal Law permitting the installation commander to limit access to the installation for security reasons (50 U.S.C. Section 797 and DoD Directive 5200.8). This data will be used to screen individuals who have, or are seeking access to ILARNG Facilities.

Section 1

I have been advised and understand that The Illinois Army National Guard has an obligation to require a criminal history background check as a condition prior to allowing unescorted access to the installation in order to provide security for personnel and property under its' control. I also understand that random criminal history background checks can be conducted on me while I am working on ILARNG Installations. I have been further advised that I have a right to obtain a copy of any report and to challenge the accuracy and completeness of any information included in the criminal history report.

Section 2

I understand that the records checks may include the following:

A State Criminal History Repository Check in the state where I currently reside and in states where I have formerly resided.

A National Agency Check with inquiries, which include Federal Bureau of Investigation, fingerprint check as required.

Section 3

I hereby authorize any Federal, State, or Local agency or office to release any record relating to me, which is necessary to complete the records checks described above.

Section 4 PERSONAL IDENTIFICATION (Print or Type) Spell First, Middle and Last Name (NO INITIALS)

Last Name:	First Name:	Middle Name:	SSN: - -
Date of Birth:	Gender:	Drivers License Number:	State of Issue:

I understand that federal law provides for imprisonment and/or fines for false statements or use of false documents in connection with the completion of this form.

Have you ever been convicted of a felony? Yes _____ No _____

I attest, under penalty of perjury, that I am (check one of the following):

_____ A citizen of the United States

_____ A Lawful Permanent Resident

Alien Registration Number – A _____

_____ An Alien with Employment Authorization Document (EAD)

EAD Number _____

All Non-Citizens must provide an Alien Registration Number or Employment Authorization Document (EAD) Number or access to the facility will not be authorized

Section 5 Applicant Certification

I HEREBY CONSENT TO RELEASE FROM YOUR FILES THE INFORMATION REQUESTED.

SIGNATURE: _____ DATE: _____

This page is intentionally blank

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. AGCI | Associated General Contractors in Illinois. |
| 3. ANSI | American National Standards Institute. |
| 4. ASHRAE | American Society of Heating, Refrigeration and Air-Conditioning Engineers. |
| 5. ASTM | American Society for Testing and Materials. |
| 6. CDB | Capital Development Board. |
| 7. FED | Federal Agencies. |
| 8. IDOL | Illinois Department of Labor. |
| 9. IDOT | Illinois Department of Transportation. |
| 10. IDPH | Illinois Department of Public Health. |
| 11. IEPA | Illinois Environmental Protection Agency. |
| 12. IDPR | Illinois Department of Professional Regulation. |
| 13. ISBE | Illinois State Board of Education. |
| 14. ISPE | Illinois Society of Professional Engineers. |
| 15. OSFM | Office of State Fire Marshal. |
| 16. SOS | Secretary of State |
| 17. UBC | Uniform Building Code |
| 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. ADA 1990
 - 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, as amended (30 ILCS 517 et seq).
 - 4. IDOT:
 - a. Standard Specifications for Road and Bridge Construction, including all supplements, April 1, 2016, except where otherwise specified.
 - 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.
 - a. Illinois Asbestos Abatement Act (105 ILCS 105/1 et. seq.).
 - b. Rules and Regulations for the Asbestos Abatement Act - Title 77, ch. I, subch. p. Part 855.
 - c. Structural Pest Control Act and Code.
 - 6. IDPR: Illinois Roofing Industry Licensing Act, as amended (225 ILCS 335/1 et. seq.).

DIVISION 1 – GENERAL REQUIREMENTS

01 41 00 – Regulatory Requirements

7. IEPA (Current editions at date of bidding documents.)
 - 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. 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. STANDARDS:
 - a. ANSI No. C-2, National Electrical Safety Code,
 - b. ASHRAE No. 62, Standard for Natural and Mechanical Ventilation
 - c. ASHRAE No. 90.1-2001, Energy Standard for Buildings Except Low-Rise Residential Buildings.
 - d. AWWA: Water and Sewer Main Construction.
11. NFPA: National Fire Codes
 - a. 70-96, National Electrical Code
 - b. 101-91, Life Safety Code
1. Building Codes
 - a. 2012 International Building Code (IBC)
- 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.

This page is intentionally blank

1. GENERAL

1.1 REQUIREMENTS INCLUDE

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

1.2 RELATED REQUIREMENTS

- A. Specified elsewhere:

- 1. 02 41 13 Selective Site Demolition
- 2. 31 20 00 Earth Moving
- 3. 31 11 23 Aggregate Base Course
- 4. 32 13 13 Portland Cement Concrete (PCC) 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 E329-19, "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 1 copy of reports of inspections and tests to Architect/Engineer including:
 - 1. Date issued.

DIVISION 1 – GENERAL REQUIREMENTS

01 45 29 – Testing Laboratory Services

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.

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 Architect/Engineer, remove all waste, debris, rubbish, tools, equipment, machinery and surplus materials. Clean all sight exposed surfaces; leave work clean and ready for occupancy.
2. At project completion, leave project clean, ready for occupancy.

2. PRODUCTS

(Not Used)

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 remove snow and ice from access to buildings.

H. General Contractor replace air handling (conditioning) filters if units were operated during construction.

I. General Contractor vacuum clean ducts, blowers and coils, when directed by A/E.

DIVISION 1 – GENERAL REQUIREMENTS

01 74 23 – Final Cleaning

- J. 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 36 – Extended Warranties & Bonds

1. GENERAL

1.1 REQUIREMENTS INCLUDE

- A. Each 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.

2. EXTENDED WARRANTIES AND BONDS

2.1 General Contractor

- A. Section 07 54 19, PVC Membrane Roofing, General Contractor's Warranty, 2 Years
- B. Section 07 54 19, PVC Membrane Roofing, Watertight Warranty, 20 Years
- C. Section 07 62 00, Sheet Metal Flashing and Trim, Special Warranty on Finishes, 20 Years
- D. Section 07 72 00, Roofing Accessories, Special Warranty on Finishes, 20 Years
- E. Section 07 92 00, Joint Sealants, Special Manufacturer's Warranty, 5 Years
- F. Section 32 92 00, Turfs and Grasses, Growing Season Plus One Year

END 01 78 36.

This page is intentionally blank

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.
 - 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 apart from documents used for field construction.
3. Provide files and racks for document storage.
4. File documents in format in accord with Project Manual Table of Contents.
5. Maintain documents in clean, dry, legible condition.
6. Do not use record documents for field construction purposes.
7. 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 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. Horizontal and vertical location of underground utilities and appurtenances referenced to permanent surface improvements.
 2. Location of internal utilities and appurtenances concealed in construction referenced to visible and accessible features of structure.
 3. Field changes of dimension and detail.

DIVISION 1 – GENERAL REQUIREMENTS

01 78 39 – Project Record Documents

4. Changes made by change order.
5. 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 -- EXISTING CONDITIONS
Section 02 41 13 -- Selective Site Demolition

1. GENERAL

1.1 General Contractor to provide:

- A. Demolition and removal of paving
- B. Filling voids created as a result of removals or demolition.

1.2 RELATED WORK

- A. 31 20 00 Earth Moving
- B. 31 25 00 Erosion and Sediment Control
- C. 32 11 23 Aggregate Base Course
- D. 32 13 13 Portland Cement Concrete (PCC) Paving
- E. 32 92 00 Turf and Grasses

1.3 REGULATORY REQUIREMENTS

- A. "Standard Specifications for Road and Bridge Construction", Illinois Department of Transportation, Adopted April 1, 2016, shall apply to all work under this section.
- B. Conform to applicable regulatory procedures when hazardous or contaminated materials are discovered.

1.4 SUBMITTALS

- A. Project Record Documents: Accurately record actual locations of capped utilities and subsurface obstructions that will remain after demolition. Submit record as part of closeout submittals.

1.5 PROJECT CONDITIONS

- A. Structures to be demolished will be discontinued in use and vacated prior to start of work. This must be closely coordinated with the A/E and the Using Agency.
- B. Using Agency assumes no responsibility for condition of structures to be demolished.
- C. Conditions existing at time of inspection for bidding purposes will be maintained by Using Agency as reasonably practical. Variations within structures may occur by Using Agency's removal and salvage operations prior to start of demolition work.

- D. Unless otherwise indicated in Contract Documents or specified by the Using Agency, items of salvageable value to Contractor shall be removed from site and structures. Storage or sale of removed items on site will not be permitted and shall not interfere with other work specified.
- E. Explosives shall not be brought to site or used without written consent of authorities having jurisdiction. Such written consent will not relieve Contractor of total responsibility for injury to persons or for damage to property due to blasting operations. Performance of required blasting shall comply with governing regulations.

2. PRODUCTS

2.1 FILL MATERIALS

- A. Fill material shall be aggregate fill materials as specified in Section 31 20 00 (Earth Moving).

3. EXECUTION

3.1 PREPARATION

- A. Provide, erect, and maintain erosion control devices, temporary barriers, and security devices at locations indicated on Construction Drawings.
- B. Protect existing landscaping materials, appurtenances, and structures, which are not to be demolished. Repair damage to existing items to remain caused by demolition operations.
- C. Prevent movement or settlement of adjacent structures. Provide bracing and shoring as necessary.
- D. Mark location of utilities. Protect and maintain in safe and operable condition utilities that are to remain. Prevent interruption of existing utility service to occupied or used facilities, except when authorized in writing by authorities having jurisdiction. Provide temporary services during interruptions to existing utilities as acceptable to governing authorities and Using Agency.
- E. Notify adjacent property owners of work that may affect their property, potential noise, utility outages, or other disruptions. Obtain written permission from adjacent property owners when demolition equipment will traverse, infringe upon, or limit access to their property. Coordinate notice with Using Agency.
- F. Notify affected utility companies before starting work and comply with their requirements.

3.2 GENERAL DEMOLITION REQUIREMENTS

- A. Conduct demolition to minimize interference with adjacent structures or pavements to remain.

- B. Cease operations immediately if adjacent structures appear to be in danger. Notify authority having jurisdiction. Do not resume operations until directed by authority.
- C. Conduct operations with minimum of interference to public or private access. Maintain ingress and egress at all times.
- D. Comply with governing regulations pertaining to environmental protection.
- E. Clean adjacent structures and improvements of dust, dirt, and debris caused by demolition operations. Return adjacent areas to condition existing prior to start of work.

3.3 DEMOLITION

- A. Demolish site improvements designated to be removed as shown on the drawings. Site improvements shall include but not be limited to structures, foundations, pavements, curbs and gutters, drainage structures, utilities, signage or landscaping.
- B. Disconnect and cap or remove utilities to be abandoned as shown on the drawings.
- C. Demolish concrete and masonry in small sections. Break up concrete slabs-on-grade that are 2-feet or more below proposed subgrade to permit moisture drainage. Remove slabs-on-grade and below grade construction within 2-feet of proposed subgrade.

3.4 FILLING BASEMENTS AND VOIDS

- A. Areas to be filled shall be free of standing water, frost, frozen or unsuitable material, trash, and debris prior to fill placement.
- B. Place fill materials in accordance with Section 31 20 00 unless subsequent excavation for new work is required.
- C. Grade surface to match adjacent grades and to provide flow of surface drainage after fill placement and compaction.

3.5 DISPOSAL OF DEMOLISHED MATERIALS

- A. Remove from site debris, rubbish, and other materials resulting from demolition operations. Leave areas of work in clean condition.
- B. No burning of any material, debris, or trash on-site or off-site will be allowed except when allowed by Using Agency. If allowed as stated above, burning shall be performed in manner prescribed by governing authority. Attend burning materials until fires have burned out and have been completely extinguished.
- C. Transport materials removed from demolished structures with appropriate

vehicles and dispose off-site to areas that are approved for disposal by governing authorities and appropriate property owners.

- D. Secure permits for disposal of construction demolition from agencies having authority over waste disposal as required.

END OF SECTION 02 41 13

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

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

1.2 SUMMARY

- A. Base Bid:
 - 1. Rooftop equipment bases and support curbs.
 - 2. Wood blocking, cants, and nailers.

1.3 DEFINITIONS

- A. Boards or Strips: Lumber of less than 2 inches nominal (38 mm actual) size in least dimension.
- B. Dimension Lumber: Lumber of 2 inches nominal (38 mm actual) size or greater but less than 5 inches nominal (114 mm actual) size in least dimension.

1.4 ACTION SUBMITTALS

- A. Product Data: For each type of process and factory-fabricated product. Indicate component materials and dimensions and include construction and application details.
 - 1. Include data for wood-preservative treatment from chemical treatment manufacturer and certification by treating plant that treated materials comply with requirements. Indicate type of preservative used and net amount of preservative retained.
 - 2. Include data for fire-retardant treatment from chemical treatment manufacturer and certification by treating plant that treated materials comply with requirements. Include physical properties of treated materials based on testing by a qualified independent testing agency.
 - 3. For fire-retardant treatments, include physical properties of treated lumber both before and after exposure to elevated temperatures, based on testing by a qualified independent testing agency according to ASTM D5664.
 - 4. For products receiving a waterborne treatment, include statement that moisture content of treated materials was reduced to levels specified before shipment to Project site.

1.5 QUALITY ASSURANCE

- A. Testing Agency Qualifications: For testing agency providing classification marking for fire-retardant treated material, an inspection agency acceptable to authorities having jurisdiction that periodically performs inspections to verify that the material bearing the classification marking is representative of the material tested.

DIVISION 6 – WOOD, PLASTICS, AND COMPOSITES

Section 06 10 00 – Rough Carpentry

1.6 DELIVERY, STORAGE, AND HANDLING

- A. Stack wood products flat with spacers beneath and between each bundle to provide air circulation. Protect wood products from weather by covering with waterproof sheeting, securely anchored. Provide for air circulation around stacks and under coverings.

PART 2 - PRODUCTS

2.1 WOOD PRODUCTS, GENERAL

- A. Lumber: DOC PS 20 and applicable rules of grading agencies indicated. If no grading agency is indicated, comply with the applicable rules of any rules-writing agency certified by the ALSC Board of Review. Grade lumber by an agency certified by the ALSC Board of Review to inspect and grade lumber under the rules indicated.
 - 1. Factory mark each piece of lumber with grade stamp of grading agency.
 - 2. For exposed lumber indicated to receive a stained or natural finish, mark grade stamp on end or back of each piece or omit grade stamp and provide certificates of grade compliance issued by grading agency.
 - 3. Dress lumber, S4S, unless otherwise indicated.
- B. Maximum Moisture Content of Lumber: 15 percent unless otherwise indicated.

2.2 MISCELLANEOUS LUMBER

- A. General: Provide miscellaneous lumber indicated and lumber for support or attachment of other construction, including the following:
 - 1. Nailers.
 - 2. Rooftop equipment bases and support curbs.
 - 3. Cants.
- B. Dimension Lumber Items: Standard, Stud, or No. 3 grade lumber of any of the following species:
 - 1. Hem-fir (north); NLGA.
 - 2. Mixed southern pine or southern pine; SPIB.
 - 3. Spruce-pine-fir; NLGA.
 - 4. Hem-fir; WCLIB or WWPA.
 - 5. Spruce-pine-fir (south); NeLMA, WCLIB, or WWPA.
 - 6. Western woods; WCLIB or WWPA.
 - 7. Northern species; NLGA.
 - 8. Eastern softwoods; NeLMA.

DIVISION 6 – WOOD, PLASTICS, AND COMPOSITES

Section 06 10 00 – Rough Carpentry

2.3 FASTENERS

- A. General: Fasteners shall be of size and type indicated and shall comply with requirements specified in this article for material and manufacture.
 - 1. Where rough carpentry is exposed to weather, in ground contact, pressure-preservative treated, or in area of high relative humidity, provide fasteners of Type 304 stainless steel.

PART 3 - EXECUTION

3.1 INSTALLATION, GENERAL

- A. Framing Standard: Comply with AF&PA's WCD 1, "Details for Conventional Wood Frame Construction," unless otherwise indicated.
- B. Set rough carpentry to required levels and lines, with members plumb, true to line, cut, and fitted. Fit rough carpentry accurately to other construction. Locate nailers, blocking and similar supports to comply with requirements for attaching other construction.
- C. Where wood-preservative-treated lumber is installed adjacent to metal decking, install continuous flexible flashing separator between wood and metal decking.
- D. Securely attach rough carpentry work to substrate by anchoring and fastening as indicated, complying with the following:
 - 1. Table 2304.9.1, "Fastening Schedule," in ICC's International Building Code (IBC).
 - 2. Table R602.3(1), "Fastener Schedule for Structural Members," and Table R602.3(2), "Alternate Attachments," in ICC's International Residential Code for One- and Two-Family Dwellings.
 - 3. ICC-ES evaluation report for fastener.
- E. Use steel common nails unless otherwise indicated. Select fasteners of size that will not fully penetrate members where opposite side will be exposed to view or will receive finish materials. Make tight connections between members. Install fasteners without splitting wood. Drive nails snug but do not countersink nail heads unless otherwise indicated.

3.2 PROTECTION

- A. Protect wood that has been treated with inorganic boron (SBX) from weather. If, despite protection, inorganic boron-treated wood becomes wet, apply EPA-registered borate treatment. Apply borate solution by spraying to comply with EPA-registered label.
- B. Protect rough carpentry from weather. If, despite protection, rough carpentry becomes wet enough that moisture content exceeds that specified, apply EPA-registered borate treatment. Apply borate solution by spraying to comply with EPA-registered label.

END OF SECTION 061000

This page is intentionally blank

1. GENERAL

A WORK INCLUDES

1. Base Bid:

- a) General Contractor provide single-ply PVC fully adhered membrane roofing and flashing system as shown and herein specified.

(1) Install new:

- (a) Insulation.
- (b) Coverboard.
- (c) PVC roof membrane
- (d) Base flashing.
- (e) Termination bar.

2. Materials installed and furnished by General Contractor:

- a) General Contractor to install:

- (1) New metal counterflashing furnished under requirements of Section 07 62 00.
- (2) New gutters and downspouts with splash blocks furnished under requirements of Section 07 62 00.

B RELATED WORK

1. Specified elsewhere:

- a) 07 62 00 - Sheet Metal Flashing & Trim: New pre-manufactured gutters and downspouts.
- b) 07 92 00 – Joint Sealers: Sealant materials and workmanship.

- C DEFINITIONS Roofing System Manufacturer: Any of the manufacturers whose systems are specified under "Acceptable Roofing System Manufacturers" in this section hereinafter called "manufacturer."

D QUALITY ASSURANCE

1. Qualifications:

- a) The installing contractor shall be approved or franchised by the roofing system manufacturer.
- b) The job foreman shall be trained by the manufacturer in the installation of the specified system.

- c) The installing contractor shall comply with the Illinois Roofing Industry Licensing Act.

2. Manufacturer's Qualifications:

- a) The A/E has certificates (CDB Form RSMC) on file from each of the specified manufacturers stating:
 - (1) They have examined project drawings, specifications and warranty requirements.
 - (2) Their specified products are acceptable for and compatible with the roofing and flashing system design.
 - (3) They will issue the specified warranty if the roofing and flashing systems are installed in accord with their requirements.

E REFERENCES

- 1. Cited Standards and specified manufacturers' catalogs, current at the date of bidding documents, unless otherwise specified, are incorporated herein by reference and govern the work. If conflict is discovered between referenced Standards or catalogs and the project specifications, request written clarification from the A/E. Do not proceed with the work until receiving clarification.
- 2. Standards:
 - a) American Society for Testing and Materials (ASTM).
 - b) Factory Mutual Laboratories (FM).
 - c) Underwriters Laboratories (UL)
 - d) Sheet Metal and Air Conditioning Contractors National Assoc. (SMACNA)
 - e) EPA – Energy Star Roof Products

F SUBMITTALS

- 1. Make all submittals in accord with the Standard Documents for Construction, Section 01 33 23.
- 2. Endorsement of Roofing Firm: Contractor: Within 15 days of receiving the Notice of Award, submit the manufacturer's endorsement of the installing firm.
- 3. Shop Drawings:
 - a) Submit shop drawings to the manufacturer for review and comment.
 - b) Submit only manufacturer reviewed shop drawings to the A/E.
 - c) Minimum Scale for Roof Plan: 1/8" = 1' 0".

DIVISION 7 - THERMAL & MOISTURE PROTECTION

Section 07 54 19 – PVC Membrane Roofing

d) Minimum Scale for Details: 1-1/2" = 1' 0.

e) Submit the following:

- (1) Insulation fastener pattern.
- (2) Base flashings.
- (3) Reglets.
- (4) Membrane terminations.

4. Product Data:

- a) Manufacturer's specifications for roofing system, 2 sets.
- b) Roof insulation specifications, 2 sets.

G DELIVERY, STORAGE AND HANDLING

1. Per roofing manufacturer's recommendations.
2. Deliver materials packaged with labels intact and legible.

H JOB CONDITIONS

1. Protection:
 - a) Protect roof membrane, building surfaces, paving, and landscaping from traffic and roofing equipment.
 - b) Restore or replace all work or materials damaged by the roofing operation.
 - c) Remove protection materials upon completion of the work.

I WARRANTY

1. General Contractor: Two years in accord with the Standard Documents for Construction, Section 01 78 36.
2. Manufacturer: Execute CDB's Roofing System Manufacturer's Warranty - CDB Form RSMW. See the final pages of this section.

2. PRODUCTS

A MATERIALS For the entire roofing system provide 60 mil PVC membrane, adhesives, sealants, pre-molded and field fabricated flashings, fasteners, and other related components manufactured or recommended by the selected manufacturer.

B ACCEPTABLE PVC ROOFING SYSTEM MANUFACTURERS

DIVISION 7 - THERMAL & MOISTURE PROTECTION

Section 07 54 19 – PVC Membrane Roofing

<u>CODE</u>	<u>BRAND</u>	<u>MANUFACTURER</u>
1. CAR	Sure-Flex	Carlisle SynTec System, Carlisle, PA
2. MAN	JM PVC	Johns-Manville, Denver, CO.
3. SAR	Sarnafil	Sarnafil Inc., Canton, MA
4. VER	VersiFlex	Versico Inc., Akron, OH

C ROOF INSULATION

1. Type: 3 layers of 2" (6" nom thickness or as required to achieve an R value of 30) Polyisocyanurate rigid insulation staggered conforming to ASTM C1289.
2. The Contractor shall select a brand acceptable to the roofing manufacturer.

D COVERBOARD

1. One of the following, ½" thick:
 - a) Dens Deck Prime – Georgia Pacific
 - b) Securock – United States Gypsum
 - c) Dexcell – National Gypsum

E INSULATION ATTACHMENT

1. Fasteners manufactured or approved by the roofing system manufacturer, and that have Factory Mutual approval. Mechanical fasteners to be used on first layer only.
2. Adhesive manufactured or approved by the roofing system manufacturer, and that have Factory Mutual approval. Adhesive to be used on all layers above first layer.

F OTHER MATERIALS

1. Manufacturers recommended flashing.
2. Roof edges and profiles – PVC coated metal.
3. Termination Bar:
 - a) 040" x 1" aluminum bar under counterflashing or other restricted spaces.
 - b) 1/8" x 1-1/2" aluminum bar with 45° sealant pocket where space permits.

3. EXECUTION

A ENVIRONMENTAL CONDITIONS

1. Install roofing only in dry weather.
2. Comply with manufacturer's climatic restrictions.

B INSPECTION

1. Examine all surfaces for inadequate anchorage, foreign material, moisture, unevenness, or other conditions which could prevent the best quality and longevity of roofing, flashing, and accessory components. Notify the A/E of all deficiencies.
2. Do not proceed with the work until all deficiencies have been corrected to the satisfaction of the A/E and the roofing manufacturer.

C PREPARATION

1. Ensure that all surfaces are clean and dry before starting and during performance of work.
2. Verify that all work of other contractors and subcontractors which penetrates the roof deck or requires men and equipment to traverse the roof deck has been completed.

D INSTALLATION

1. Install the roof insulation with end joints staggered at mid-point in each layer. Offset all joints between layers a minimum of six inches.
 - a) Attach insulation per manufacturer's recommendations.
2. Install the roofing and flashing system and all accessory items in accord with the manufacturer's printed instructions.
3. Weld all field seams using the manufacturer's approved welding equipment and in accord with the manufacturer's recommendations.

E FIELD QUALITY CONTROL

1. The A/E will provide onsite observation during installation.
2. The roofing manufacturer will provide onsite observation and instruction as it deems necessary.

F ADJUST AND CLEAN

1. Carefully inspect all completed work and correct all defects.
2. Remove from the job site and legally dispose of all debris.
3. Remove all tools, equipment, and construction aids.

DIVISION 7 - THERMAL & MOISTURE PROTECTION

Section 07 54 19 – PVC Membrane Roofing

4. Prevent storage of materials and equipment on the completed roof.
5. Accompany the manufacturer's technical inspector and assist with equipment and workmen if necessary to provide access to the roof. Correct all defects noted during the inspection.

State of Illinois
CAPITAL DEVELOPMENT BOARD

025-0398

RSMW

Roofing System Manufacturer's Warranty

Manufacturer's Warranty Number(s):

Effective Date: Ending Date:

FOR CDB USE ONLY

P. M. _____
Project No: _____
Contract _____
C.F. Contractor #7

Manufacturer Name:	Watertight Warranty Length: 20 Years
Telephone #.: Fax #:	CDB Project No.: 546-235-021
E-Mail:	CDB Project Manager: Abdulgaffar Shedbalkar
Address:	Agent: Capital Development Board, 3 rd Floor, Stratton Building, Springfield, IL 62706
Total Warranty - Square Footage:	Using Agency: Department of Military Affairs
Roof Specification-System Name:	Site Address: North Riverside, Cook County
Lin. Ft. Flashing:	Building Name: Separate Brigade DLOG Facility
Lin. Ft. Expansion Joint Covers:	CDB Building No.: H2452
Insulation Type(s):	Identify Area of Work: Entire roof
Roofing Contractor:	Additional Building(s): None
Address:	Site Address: N/A
Telephone No.: FAX:	Building Name: N/A
Other Information:	CDB Building No.: N/A
	Identify Area of Work: N/A

Note: Contractor to complete information above and Section II dollar amount, below.

WARRANTY

I.THE ROOFING SYSTEM MANUFACTURER hereinafter called "Manufacturer" acknowledges that it has previously reviewed the drawings and specifications for the roofing system and certified that the design is acceptable for this Warranty. The Manufacturer warrants to the Building Owner named above, that, subject to the provisions of this document, the Manufacturer will, at its own expense, make or cause to be made all repairs necessary to maintain the roofing system in a watertight condition during the warranty period stated above which commences on the date of accepted Substantial Completion of the roofing system. System includes:

- A. Membrane(s).
- B. Flashings (except metal or components not furnished by the Manufacturer as part of its advertised system).
- C. Insulation.
- D. Fasteners and adhesives.

I.LIMITATIONS. The Manufacturer's liability under this Warranty is limited to (\$) which is the Owner's original installed cost of the roofing system per CDB Contractor Schedule of Values (CSV).

PAGE 2 of 2

I.OWNER'S RESPONSIBILITY. The Owner will notify the Manufacturer if repairs covered by the Warranty are required. The notice will be by, Telephone, Fax, E-mail, or Mail, to the Manufacturer's office specified in the Manufacturer's Maintenance Manual within 30 days of discovery of leaks or other defects in the roofing system. The Owner will provide the Manufacturer free access to the building during regular business hours over the life of the Warranty. The Owner acknowledges that the Manufacturer has provided its Roofing Maintenance Manual, including instructions necessary for the Owner to inspect and maintain the roofing system during the warranty period.

I.EXCLUSIONS. The following are excluded from this Warranty:

- A. Roof maintenance for corrections of conditions other than leaks.
- B. Damage to any part of the building (other than the roofing system) or to its contents.
- C. Damage resulting from repairs made to the roofing system without the Manufacturer's prior authorization.
- D. Damage resulting from any one of the following:
 - 1. Settlement, expansion, contraction, cracking, warping, deflection or movement of roof deck, walls, coping structural members or building foundation.
 - 2. Natural disasters (i.e., windstorm, hail, flood, hurricane, cyclone, lightning, tornado or earthquake).
 - 3. Changes in building usage; new installations on, through or adjacent to the roofing system made after the effective date of this Warranty, unless the Manufacturer has given prior written approval of such changes in building usage or new installations.
 - 4. Accidents, vandalism or other uncontrollable events.

5. Lack of positive drainage (standing water) for asphalt built-up systems.
6. Chemical attacks on the membrane from sources unknown or not present at time of roofing system.
7. Falling objects, misuse or abuse of the roofing system, traffic, recreational activities or storage of material on the roofing system.
8. Infiltration or condensation of moisture in, through or around walls, copings, building structure or underlying or surrounding areas.
9. Movement or deterioration of metal components adjacent to the roof (except where such components are a part of the Manufacturer's advertised roofing system).
10. Failure of materials supplied by others (except where such materials are a part of the specified roofing system certified by the Manufacturer prior to bidding the roofing work).
11. Tests of test cuts not authorized by the Manufacturer.
12. Failure of the Owner to provide maintenance in accord with the Roofing Maintenance Manual.
13. Failure of the Owner to notify the Manufacturer of leaks or other defects within 30 days of discovery.

A. The implied warranties of merchantability and fitness for a particular purpose are excluded.

In Witness Whereof: Manufacturer and Owner have caused this Warranty to be duly executed on the dates below.

MANUFACTURER:

OWNER:

a State of Corporation with principal office at:

ADDRESS:

BY: _____

BY: _____

TITLE:

TITLE:

DATE:

DATE:

END 07 54 19.

This page is intentionally blank

DIVISION 7– THERMAL AND MOISTURE PROTECTION
Section 07 62 00 – Sheet Metal Flashing and Trim

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

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

1.2 SUMMARY

A. Section Includes:

1. Manufactured reglets with counterflashing.
2. Formed roof-drainage sheet metal fabrications.
3. Formed low-slope roof sheet metal fabrications.

B. Related Requirements:

1. Section 061000 "Rough Carpentry" for wood nailers, curbs, and blocking.
2. Section 077100 "Roof Specialties" for manufactured copings, roof-edge specialties, roof-edge drainage systems, reglets, and counterflashings.
3. Section 077200 "Roof Accessories" for set-on-type curbs, equipment supports, roof hatches, vents, and other manufactured roof accessory units.

1.3 COORDINATION

- A. Coordinate sheet metal flashing and trim layout and seams with sizes and locations of penetrations to be flashed, and joints and seams in adjacent materials.
- B. Coordinate sheet metal flashing and trim installation with adjoining roofing and wall materials, joints, and seams to provide leakproof, secure, and noncorrosive installation.

1.4 ACTION SUBMITTALS

A. Product Data: For each of the following

1. Underlayment materials.
2. Elastomeric sealant.
3. Butyl sealant.
4. Epoxy seam sealer.

B. Shop Drawings: For sheet metal flashing and trim.

1. Include plans, elevations, sections, and attachment details.
2. Detail fabrication and installation layouts, expansion-joint locations, and keyed details. Distinguish between shop- and field-assembled Work.

DIVISION 7– THERMAL AND MOISTURE PROTECTION

Section 07 62 00 – Sheet Metal Flashing and Trim

3. Include identification of material, thickness, weight, and finish for each item and location in Project.
 4. Include details for forming, including profiles, shapes, seams, and dimensions.
 5. Include details for joining, supporting, and securing, including layout and spacing of fasteners, cleats, clips, and other attachments. Include pattern of seams.
 6. Include details of termination points and assemblies.
 7. Include details of expansion joints and expansion-joint covers, including showing direction of expansion and contraction from fixed points.
 8. Include details of roof-penetration flashing.
 9. Include details of edge conditions, including crickets, flashings, and counterflashings.
 10. Include details of special conditions.
 11. Include details of connections to adjoining work.
 12. Detail formed flashing and trim at scale of not less than 1-1/2 inches per 12 inches (1:10).
- C. Samples: For each exposed product and for each color and texture specified, 12 inches (300 mm) long by actual width.
- D. Samples for Initial Selection: For each type of sheet metal and accessory indicated with factory-applied finishes.
- E. Samples for Verification: For each type of exposed finish.
1. Sheet Metal Flashing: 12 inches (300 mm) long by actual width of unit, including finished seam and in required profile. Include fasteners, cleats, clips, closures, and other attachments.
 2. Trim, Metal Closures, Expansion Joints, Joint Intersections, and Miscellaneous Fabrications: 12 inches (300 mm) long and in required profile. Include fasteners and other exposed accessories.
 3. Anodized Aluminum Samples: Samples to show full range to be expected for each color required.

1.5 CLOSEOUT SUBMITTALS

- A. Maintenance Data: For sheet metal flashing and trim, and its accessories, to include in maintenance manuals.
- B. Special warranty.

1.6 QUALITY ASSURANCE

- A. Fabricator Qualifications: Employs skilled workers who custom fabricate sheet metal flashing and trim similar to that required for this Project and whose products have a record of successful in-service performance.
1. For copings and roof edge flashings that are ANSI/SPRI/FM 4435/ES-1 tested and FM Approvals approved, shop shall be listed as able to fabricate required details as tested and approved.

DIVISION 7– THERMAL AND MOISTURE PROTECTION
Section 07 62 00 – Sheet Metal Flashing and Trim

1.7 DELIVERY, STORAGE, AND HANDLING

- A. Do not store sheet metal flashing and trim materials in contact with other materials that might cause staining, denting, or other surface damage.
 - 1. Store sheet metal flashing and trim materials away from uncured concrete and masonry.
 - 2. Protect stored sheet metal flashing and trim from contact with water.
- B. Protect strippable protective covering on sheet metal flashing and trim from exposure to sunlight and high humidity, except to extent necessary for period of sheet metal flashing and trim installation.

1.8 WARRANTY

- A. Special Warranty on Finishes: Manufacturer agrees to repair finish or replace sheet metal flashing and trim that shows evidence of deterioration of factory-applied finishes within specified warranty period.
 - 1. Exposed Panel Finish: Deterioration includes, but is not limited to, the following:
 - a. Color fading more than 5 Delta units when tested in accordance with ASTM D2244.
 - b. Chalking in excess of a No. 8 rating when tested in accordance with ASTM D4214.
 - c. Cracking, checking, peeling, or failure of paint to adhere to bare metal.
 - 2. Finish Warranty Period: 20 years from date of Substantial Completion.

PART 2 - PRODUCTS

2.1 PERFORMANCE REQUIREMENTS

- A. General: Sheet metal flashing and trim assemblies, including cleats, anchors, and fasteners, shall withstand wind loads, structural movement, thermally induced movement, and exposure to weather without failure due to defective manufacture, fabrication, installation, or other defects in construction. Completed sheet metal flashing and trim shall not rattle, leak, or loosen, and shall remain watertight.
- B. Sheet Metal Standard for Flashing and Trim: Comply with NRCA's "The NRCA Roofing Manual: Architectural Metal Flashing, Condensation and Air Leakage Control, and Reroofing" and SMACNA's "Architectural Sheet Metal Manual" requirements for dimensions and profiles shown unless more stringent requirements are indicated.
- C. SPRI Wind Design Standard: Manufacture and install copings roof edge flashings tested in accordance with ANSI/SPRI/FM 4435/ES-1 and capable of resisting the following design pressure:
 - 1. Design Pressure: As indicated on Drawings.

DIVISION 7– THERMAL AND MOISTURE PROTECTION

Section 07 62 00 – Sheet Metal Flashing and Trim

- D. FM Approvals Listing: Manufacture and install copings roof edge flashings that are listed in FM Approvals' "RoofNav" and approved for windstorm classification, Class 1-90. Identify materials with name of fabricator and design approved by FM Approvals.
- E. Thermal Movements: Allow for thermal movements from ambient and surface temperature changes to prevent buckling, opening of joints, overstressing of components, failure of joint sealants, failure of connections, and other detrimental effects. Base calculations on surface temperatures of materials due to both solar heat gain and nighttime-sky heat loss.
 - 1. Temperature Change: 120 deg F (67 deg C), ambient; 180 deg F (100 deg C), material surfaces.

2.2 SHEET METALS

- A. General: Protect mechanical and other finishes on exposed surfaces from damage by applying strippable, temporary protective film before shipping.
- B. Aluminum Sheet: ASTM B209 (ASTM B209M), alloy as standard with manufacturer for finish required, with temper as required to suit forming operations and performance required; with smooth, flat surface.
 - 1. Exposed Coil-Coated Finish:
 - a. Two-Coat Fluoropolymer: AAMA 2605. Fluoropolymer finish containing not less than 70 percent polyvinylidene fluoride (PVDF) resin by weight in color coat. Prepare, pretreat, and apply coating to exposed metal surfaces to comply with coating and resin manufacturers' written instructions.
 - 2. Color: As indicated by manufacturer's designations.
 - 3. Concealed Finish: Pretreat with manufacturer's standard white or light-colored acrylic or polyester backer finish, consisting of prime coat and wash coat with minimum total dry film thickness of 0.5 mil (0.013 mm).

2.3 MISCELLANEOUS MATERIALS

- A. General: Provide materials and types of fasteners, protective coatings, sealants, and other miscellaneous items as required for complete sheet metal flashing and trim installation and as recommended by manufacturer of primary sheet metal unless otherwise indicated.
- B. Fasteners: Wood screws, annular threaded nails, self-tapping screws, self-locking rivets and bolts, and other suitable fasteners designed to withstand design loads and recommended by manufacturer of primary sheet metal.
 - 1. General: Blind fasteners or self-drilling screws, gasketed, with hex-washer head.
 - a. Exposed Fasteners: Heads matching color of sheet metal using plastic caps or factory-applied coating. Provide metal-backed EPDM or PVC sealing washers under heads of exposed fasteners bearing on weather side of metal.

DIVISION 7– THERMAL AND MOISTURE PROTECTION

Section 07 62 00 – Sheet Metal Flashing and Trim

- b. Blind Fasteners: High-strength aluminum or stainless steel rivets suitable for metal being fastened.
- 2. Fasteners for Aluminum Sheet: Aluminum or Series 300 stainless steel.
- C. Sealant Tape: Pressure-sensitive, 100 percent solids, polyisobutylene compound sealant tape with release-paper backing. Provide permanently elastic, nonsag, nontoxic, nonstaining tape 1/2 inch (13 mm) wide and 1/8 inch (3 mm) thick.
- D. Elastomeric Sealant: ASTM C920, elastomeric silicone polymer sealant; of type, grade, class, and use classifications required to seal joints in sheet metal flashing and trim and remain watertight.
- E. Butyl Sealant: ASTM C1311, single-component, solvent-release butyl rubber sealant; polyisobutylene plasticized; heavy bodied for hooked-type expansion joints with limited movement.
- F. Epoxy Seam Sealer: Two-part, noncorrosive, aluminum seam-cementing compound, recommended by aluminum manufacturer for exterior nonmoving joints, including riveted joints.
- G. Bituminous Coating: Cold-applied asphalt emulsion in accordance with ASTM D1187/D1187M.
- H. Reglets: Units of type, material, and profile required, formed to provide secure interlocking of separate reglet and counterflashing pieces, and compatible with flashing indicated with factory-mitered and -welded corners and junctions and with interlocking counterflashing on exterior face, of same metal as reglet.
 - 1. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
 - a. Heckmann Building Products, Inc.
 - b. Hickman Company, W. P.
 - c. National Sheet Metal Systems, Inc.
 - 2. Source Limitations: Obtain reglets from single source from single manufacturer.
 - 3. Material: Aluminum, 0.024 inch (0.61 mm) thick.
 - 4. Surface-Mounted Type: Provide with slotted holes for fastening to substrate, with neoprene or other suitable weatherproofing washers, and with channel for sealant at top edge.
 - 5. Masonry Type: Provide with offset top flange for embedment in masonry mortar joint.
 - 6. Accessories:
 - a. Flexible-Flashing Retainer: Provide resilient plastic or rubber accessory to secure flexible flashing in reglet where clearance does not permit use of standard metal counterflashing or where Drawings show reglet without metal counterflashing.
 - b. Counterflashing Wind-Restraint Clips: Provide clips to be installed before counterflashing to prevent wind uplift of counterflashing's lower edge.

DIVISION 7– THERMAL AND MOISTURE PROTECTION
Section 07 62 00 – Sheet Metal Flashing and Trim

7. Finish: With manufacturer's standard color coating.

2.4 FABRICATION, GENERAL

- A. Custom fabricate sheet metal flashing and trim to comply with details indicated and recommendations in cited sheet metal standard that apply to design, dimensions, geometry, metal thickness, and other characteristics of item required.
1. Fabricate sheet metal flashing and trim in shop to greatest extent possible.
 2. Fabricate sheet metal flashing and trim in thickness or weight needed to comply with performance requirements, but not less than that specified for each application and metal.
 3. Verify shapes and dimensions of surfaces to be covered and obtain field measurements for accurate fit before shop fabrication.
 4. Form sheet metal flashing and trim to fit substrates without excessive oil-canning, buckling, and tool marks; true to line, levels, and slopes; and with exposed edges folded back to form hems.
 5. Conceal fasteners and expansion provisions where possible. Do not use exposed fasteners on faces exposed to view.
- B. Fabrication Tolerances:
1. Fabricate sheet metal flashing and trim that is capable of installation to a tolerance of 1/4 inch in 20 feet (6 mm in 6 m) on slope and location lines indicated on Drawings and within 1/8-inch (3-mm) offset of adjoining faces and of alignment of matching profiles.
 2. Fabricate sheet metal flashing and trim that is capable of installation to tolerances specified.
- C. Expansion Provisions: Form metal for thermal expansion of exposed flashing and trim.
1. Form expansion joints of intermeshing hooked flanges, not less than 1 inch (25 mm) deep, filled with butyl sealant concealed within joints.
 2. Use lapped expansion joints only where indicated on Drawings.
- D. Sealant Joints: Where movable, nonexpansion-type joints are required, form metal in accordance with cited sheet metal standard to provide for proper installation of elastomeric sealant.
- E. Fabricate cleats and attachment devices from same material as accessory being anchored or from compatible, noncorrosive metal.
- F. Fabricate cleats and attachment devices of sizes as recommended by cited sheet metal standard and by FM Global Property Loss Prevention Data Sheet 1-49 for application, but not less than thickness of metal being secured.
- G. Seams:
1. Fabricate nonmoving seams with flat-lock seams. Tin edges to be seamed, form seams, and solder.
 2. Seams for Aluminum: Fabricate nonmoving seams with flat-lock seams. Form seams and seal with epoxy seam sealer.

DIVISION 7– THERMAL AND MOISTURE PROTECTION
Section 07 62 00 – Sheet Metal Flashing and Trim

- H. Do not use graphite pencils to mark metal surfaces.

2.5 ROOF-DRAINAGE SHEET METAL FABRICATIONS

- A. Downspouts: Fabricate rectangular downspouts to dimensions indicated on Drawings, complete with mitered elbows. Furnish with metal hangers from same material as downspouts and anchors.
1. Fabricated Hanger Style: Fig. 1-35B in accordance with SMACNA's "Architectural Sheet Metal Manual."
 2. Fabricate from the following materials:
 - a. Aluminum: [**0.024 inch (0.61 mm)**] thick.
- B. Parapet Scuppers: Fabricate scuppers to dimensions required, with closure flange trim to exterior, 4-inch- (100-mm-) wide wall flanges to interior, and base extending 4 inches (100 mm) beyond cant or tapered strip into field of roof. Fabricate from the following materials:
1. Aluminum: 0.032 inch (0.81 mm) thick.
- C. Conductor Heads: Fabricate conductor heads with flanged back and stiffened top edge and of dimensions and shape required, complete with outlet tubes. Fabricate from the following materials:
1. Aluminum: 0.032 inch (0.81 mm) thick.

2.6 LOW-SLOPE ROOF SHEET METAL FABRICATIONS

- A. Copings: Fabricate in minimum 96-inch- (2400-mm-) long, but not exceeding 12-foot- (3.6-m-) long, sections. Fabricate joint plates of same thickness as copings. Furnish with continuous cleats to support edge of external leg and drill elongated holes for fasteners on interior leg. Miter corners, solder or weld watertight. Shop fabricate interior and exterior corners.
1. Coping Profile: Fig. 3-4A in accordance with SMACNA's "Architectural Sheet Metal Manual."
 2. Joint Style: Butted with expansion space and 6-inch- (150-mm-) wide, concealed backup plate.
 3. Fabricate from the following materials:
 - a. Aluminum: 0.050 inch (1.27 mm) thick.
- B. Roof and Roof-to-Wall Transition Expansion-Joint Cover: Shop fabricate interior and exterior corners. Fabricate from the following materials:
1. Aluminum: 0.050 inch (1.27 mm) thick.
- C. Base Flashing: Shop fabricate interior and exterior corners. Fabricate from the following materials:
1. Aluminum: 0.040 inch (1.02 mm) thick.
- D. Counterflashing: Shop fabricate interior and exterior corners. Fabricate from the following materials:
1. Aluminum: 0.032 inch (0.81 mm) thick.

DIVISION 7– THERMAL AND MOISTURE PROTECTION
Section 07 62 00 – Sheet Metal Flashing and Trim

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine substrates, areas, and conditions, with installer present, for compliance with requirements for installation tolerances, substrate, and other conditions affecting performance of the Work.
 - 1. Verify compliance with requirements for installation tolerances of substrates.
 - 2. Verify that substrate is sound, dry, smooth, clean, sloped for drainage, and securely anchored.
 - 3. Verify that air- or water-resistant barriers have been installed over sheathing or backing substrate to prevent air infiltration or water penetration.
- B. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 INSTALLATION OF UNDERLAYMENT

- A. Self-Adhering, High-Temperature Sheet Underlayment:
 - 1. Install self-adhering, high-temperature sheet underlayment; wrinkle free.
 - 2. Prime substrate if recommended by underlayment manufacturer.
 - 3. Comply with temperature restrictions of underlayment manufacturer for installation; use primer for installing underlayment at low temperatures.
 - 4. Apply in shingle fashion to shed water, with end laps of not less than 6 inches (150 mm) staggered 24 inches (600 mm) between courses.
 - 5. Overlap side edges not less than 3-1/2 inches (90 mm). Roll laps and edges with roller.
 - 6. Roll laps and edges with roller.
 - 7. Cover underlayment within 14 days.

3.3 INSTALLATION, GENERAL

- A. Install sheet metal flashing and trim to comply with details indicated and recommendations of cited sheet metal standard that apply to installation characteristics required unless otherwise indicated on Drawings.
 - 1. Install fasteners, solder, protective coatings, separators, sealants, and other miscellaneous items as required to complete sheet metal flashing and trim system.
 - 2. Install sheet metal flashing and trim true to line, levels, and slopes. Provide uniform, neat seams with minimum exposure of solder.
 - 3. Anchor sheet metal flashing and trim and other components of the Work securely in place, with provisions for thermal and structural movement.
 - 4. Install sheet metal flashing and trim to fit substrates and to result in watertight performance.
 - 5. Install continuous cleats with fasteners spaced not more than 12 inches (300 mm) o.c.
 - 6. Space individual cleats not more than 12 inches (300 mm) apart. Attach each cleat with at least two fasteners. Bend tabs over fasteners.

DIVISION 7– THERMAL AND MOISTURE PROTECTION

Section 07 62 00 – Sheet Metal Flashing and Trim

7. Install exposed sheet metal flashing and trim with limited oil-canning, and free of buckling and tool marks.
 8. Do not field cut sheet metal flashing and trim by torch.
 9. Do not use graphite pencils to mark metal surfaces.
- B. Metal Protection: Where dissimilar metals contact each other, or where metal contacts pressure-treated wood or other corrosive substrates, protect against galvanic action or corrosion by painting contact surfaces with bituminous coating or by other permanent separation as recommended by sheet metal manufacturer or cited sheet metal standard.
1. Coat concealed side of uncoated-aluminum sheet metal flashing and trim with bituminous coating where flashing and trim contact wood, ferrous metal, or cementitious construction.
 2. Underlayment: Where installing sheet metal flashing and trim directly on cementitious or wood substrates, install underlayment and cover with slip sheet.
- C. Expansion Provisions: Provide for thermal expansion of exposed flashing and trim.
1. Space movement joints at maximum of 10 feet (3 m) with no joints within 24 inches (600 mm) of corner or intersection.
 2. Form expansion joints of intermeshing hooked flanges, not less than 1 inch (25 mm) deep, filled with sealant concealed within joints.
 3. Use lapped expansion joints only where indicated on Drawings.
- D. Fasteners: Use fastener sizes that penetrate wood blocking or sheathing not less than 1-1/4 inches (32 mm) for nails and not less than 3/4 inch (19 mm) for wood screws substrate not less than recommended by fastener manufacturer to achieve maximum pull-out resistance.
- E. Conceal fasteners and expansion provisions where possible in exposed work and locate to minimize possibility of leakage. Cover and seal fasteners and anchors as required for a tight installation.
- F. Seal joints as required for watertight construction.
1. Use sealant-filled joints unless otherwise indicated.
 - a. Embed hooked flanges of joint members not less than 1 inch (25 mm) into sealant.
 - b. Form joints to completely conceal sealant.
 - c. When ambient temperature at time of installation is between 40 and 70 deg F (4 and 21 deg C), set joint members for 50 percent movement each way.
 - d. Adjust setting proportionately for installation at higher ambient temperatures.
 - 1) Do not install sealant-type joints at temperatures below 40 deg F (4 deg C).
 2. Prepare joints and apply sealants to comply with requirements in Section 079200 "Joint Sealants."
- G. Soldered Joints: Clean surfaces to be soldered, removing oils and foreign matter.
1. Pretin edges of sheets with solder to width of 1-1/2 inches (38 mm); however, reduce pretinning where pretinned surface would show in completed Work.

DIVISION 7– THERMAL AND MOISTURE PROTECTION
Section 07 62 00 – Sheet Metal Flashing and Trim

2. Do not solder aluminum sheet.
3. Do not use torches for soldering.
4. Heat surfaces to receive solder, and flow solder into joint.
 - a. Fill joint completely.
 - b. Completely remove flux and spatter from exposed surfaces.

3.4 INSTALLATION OF ROOF-DRAINAGE SYSTEM

- A. Install sheet metal roof-drainage items to produce complete roof-drainage system in accordance with cited sheet metal standard unless otherwise indicated. Coordinate installation of roof perimeter flashing with installation of roof-drainage system.
- B. Downspouts:
 1. Join sections with 1-1/2-inch (38-mm) telescoping joints.
 2. Provide hangers with fasteners designed to hold downspouts securely to walls.
 3. Locate hangers at top and bottom and at approximately 60 inches (1500 mm) o.c.
 4. Provide elbows at base of downspout to direct water away from building.
 5. Connect downspouts to underground drainage system.
- C. Parapet Scuppers:
 1. Continuously support scupper, set to correct elevation, and seal flanges to interior wall face, over cants or tapered edge strips, and under roofing membrane.
 2. Anchor scupper closure trim flange to exterior wall and solder or seal with elastomeric sealant to scupper.
 3. Loosely lock front edge of scupper with conductor head.
 4. Solder or seal with elastomeric sealant exterior wall scupper flanges into back of conductor head.
- D. Conductor Heads: Anchor securely to wall, with elevation of conductor head rim at minimum of 1 inch (25 mm) below scupper discharge.
- E. Expansion-Joint Covers: Install expansion-joint covers at locations and of configuration indicated on Drawings. Lap joints minimum of 4 inches (100 mm) in direction of water flow.

3.5 INSTALLATION OF ROOF FLASHINGS

- A. Install sheet metal flashing and trim to comply with performance requirements, sheet metal manufacturer's written installation instructions, and cited sheet metal standard.
 1. Provide concealed fasteners where possible, and set units true to line, levels, and slopes.
 2. Install work with laps, joints, and seams that are permanently watertight and weather resistant.
- B. Copings:
 1. Install roof edge flashings in accordance with ANSI/SPRI/FM 4435/ES-1.

DIVISION 7– THERMAL AND MOISTURE PROTECTION

Section 07 62 00 – Sheet Metal Flashing and Trim

2. Anchor to resist uplift and outward forces in accordance with recommendations in cited sheet metal standard unless otherwise indicated.
 - a. Interlock exterior bottom edge of coping with continuous cleat anchored to substrate at 24-inch (600-mm) centers.
 - b. Anchor interior leg of coping with washers and screw fasteners through slotted holes at 24-inch (600-mm) centers.
 3. Anchor to resist uplift and outward forces in accordance with recommendations in FM Global Property Loss Prevention Data Sheet 1-49 for specified FM Approvals' listing for required windstorm classification.
- C. Counterflashing: Coordinate installation of counterflashing with installation of base flashing.
1. Insert counterflashing in reglets or receivers and fit tightly to base flashing.
 2. Extend counterflashing 4 inches (100 mm) over base flashing.
 3. Lap counterflashing joints minimum of 4 inches (100 mm).
 4. Secure in waterproof manner by means of snap-in installation and sealant or lead wedges and sealant unless otherwise indicated.
- D. Roof-Penetration Flashing: Coordinate installation of roof-penetration flashing with installation of roofing and other items penetrating roof. Seal with elastomeric sealant and clamp flashing to pipes that penetrate roof.

3.6 INSTALLATION OF MISCELLANEOUS FLASHING

- A. Equipment Support Flashing:
1. Coordinate installation of equipment support flashing with installation of roofing and equipment.
 2. Weld or seal flashing with elastomeric sealant to equipment support member.

3.7 INSTALLATION TOLERANCES

- A. Installation Tolerances: Shim and align sheet metal flashing and trim within installed tolerance of 1/4 inch in 20 feet (6 mm in 6 m) on slope and location lines indicated on Drawings and within 1/8-inch (3-mm) offset of adjoining faces and of alignment of matching profiles.

3.8 CLEANING

- A. Clean exposed metal surfaces of substances that interfere with uniform oxidation and weathering.
- B. Clean and neutralize flux materials. Clean off excess solder.
- C. Clean off excess sealants.

DIVISION 7– THERMAL AND MOISTURE PROTECTION
Section 07 62 00 – Sheet Metal Flashing and Trim

3.9 PROTECTION

- A. Remove temporary protective coverings and strippable films as sheet metal flashing and trim are installed unless otherwise indicated in manufacturer's written installation instructions.
- B. On completion of sheet metal flashing and trim installation, remove unused materials and clean finished surfaces as recommended in writing by sheet metal flashing and trim manufacturer.
- C. Maintain sheet metal flashing and trim in clean condition during construction.
- D. Replace sheet metal flashing and trim that have been damaged or that have deteriorated beyond successful repair by finish touchup or similar minor repair procedures, as determined by Architect.

END OF SECTION 076200

SECTION 077200 - ROOF ACCESSORIES

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

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

1.2 SUMMARY

- A. Base Bid:
 - 1. Roof curbs.
 - 2. Equipment supports.
 - 3. Pipe and duct supports.
- B. Related Requirements:
 - 1. Section 076200 "Sheet Metal Flashing and Trim" for shop- and field-formed metal flashing, roof-drainage systems, roof expansion-joint covers, and miscellaneous sheet metal trim and accessories.

1.3 COORDINATION

- A. Coordinate layout and installation of roof accessories with roofing membrane and base flashing and interfacing and adjoining construction to provide a leakproof, weathertight, secure, and noncorrosive installation.
- B. Coordinate dimensions with rough-in information or Shop Drawings of equipment to be supported.

1.4 ACTION SUBMITTALS

- A. Product Data: For each type of roof accessory.
 - 1. Include construction details, material descriptions, dimensions of individual components and profiles, and finishes.
- B. Shop Drawings: For roof accessories.
 - 1. Include plans, elevations, keyed details, and attachments to other work. Indicate dimensions, loadings, and special conditions. Distinguish between plant- and field-assembled work.
- C. Samples: For each exposed product and for each color and texture specified, prepared on Samples of size to adequately show color.

DIVISION 7– THERMAL AND MOISTURE PROTECTION

Section 07 72 00 – Roof Accessories

- D. Delegated-Design Submittal: For roof curbs and equipment supports indicated to comply with performance requirements and design criteria, including analysis data signed and sealed by the qualified professional engineer responsible for their preparation.
 - 1. Detail mounting, securing, and flashing of roof-mounted items to roof structure. Indicate coordinating requirements with roof membrane system.
 - 2. Wind-Restraint Details: Detail fabrication and attachment of wind restraints. Show anchorage details and indicate quantity, diameter, and depth of penetration of anchors.

1.5 INFORMATIONAL SUBMITTALS

- A. Coordination Drawings: Roof plans, drawn to scale, and coordinating penetrations and roof-mounted items. Show the following:
 - 1. Size and location of roof accessories specified in this Section.
 - 2. Method of attaching roof accessories to roof or building structure.
 - 3. Other roof-mounted items including mechanical and electrical equipment, ductwork, piping, and conduit.
 - 4. Required clearances.
- B. Sample Warranties: For manufacturer's special warranties.

1.6 CLOSEOUT SUBMITTALS

- A. Operation and Maintenance Data: For roof accessories to include in operation and maintenance manuals.

1.7 WARRANTY

- A. Special Warranty on Painted Finishes: Manufacturer's standard form in which manufacturer agrees to repair finishes or replace roof accessories that show evidence of deterioration of factory-applied finishes within specified warranty period.
 - 1. Fluoropolymer Finish: Deterioration includes, but is not limited to, the following:
 - a. Color fading more than 5 Delta units when tested according to ASTM D2244.
 - b. Chalking in excess of a No. 8 rating when tested according to ASTM D4214.
 - c. Cracking, checking, peeling, or failure of paint to adhere to bare metal.
 - 2. Finish Warranty Period: 20 years from date of Substantial Completion.

PART 2 - PRODUCTS

2.1 PERFORMANCE REQUIREMENTS

- A. General Performance: Roof accessories shall withstand exposure to weather and resist thermally induced movement without failure, rattling, leaking, or fastener disengagement due to defective manufacture, fabrication, installation, or other defects in construction.
- B. Delegated Design: Engage a qualified professional engineer to design roof curbs and equipment supports to comply with wind performance requirements, including comprehensive engineering analysis by a qualified professional engineer, using performance requirements and design criteria indicated.
- C. Wind-Restraint Performance: As indicated on Drawings.

2.2 ROOF CURBS

- A. Roof Curbs: Internally reinforced roof-curb units capable of supporting superimposed live and dead loads, including equipment loads and other construction indicated on Drawings, bearing continuously on roof structure, and capable of meeting performance requirements; with welded or mechanically fastened and sealed corner joints, stepped integral metal cant raised the thickness of roof insulation, and integrally formed deck-mounting flange at perimeter bottom.
 - 1. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
 - a. Curbs Plus, Inc.
 - b. Greenheck Fan Corporation.
 - c. Metallic Products Corp.
 - d. Milcor; Commercial Products Group of Hart & Cooley, Inc.
- B. Size: Coordinate dimensions with roughing-in information or Shop Drawings of equipment to be supported.
- C. Supported Load Capacity: Coordinate load capacity with information on Shop Drawings of equipment to be supported.
- D. Material: Zinc-coated (galvanized) steel sheet, 0.052 inch (1.32 mm) thick.
 - 1. Finish: Mill phosphatized.
- E. Construction:
 - 1. Curb Profile: Manufacturer's standard compatible with roofing system.
 - 2. On ribbed or fluted metal roofs, form deck-mounting flange at perimeter bottom to conform to roof profile.
 - 3. Fabricate curbs to minimum height of 8 inches above roofing surface unless otherwise indicated.

DIVISION 7– THERMAL AND MOISTURE PROTECTION

Section 07 72 00 – Roof Accessories

4. Top Surface: Level top of curb, with roof slope accommodated by sloping deck-mounting flange or by use of leveler frame.
5. Sloping Roofs: Where roof slope exceeds 1:48, fabricate curb with perimeter curb height tapered to accommodate roof slope so that top surface of perimeter curb is level. Equip unit with water diverter or cricket on side that obstructs water flow.
6. Insulation: Factory insulated with 6 inch thick glass-fiber board insulation.
7. Liner: Same material as curb, of manufacturer's standard thickness and finish.
8. Nailer: Factory-installed wood nailer under top flange on side of curb, continuous around curb perimeter.
9. Wind Restraint Straps and Base Flange Attachment: Provide wind restraint straps, welded strap connectors, and base flange attachment to roof structure at perimeter of curb, of size and spacing required to meet wind uplift requirements.
10. Metal Counterflashing: Manufacturer's standard, removable, fabricated of same metal and finish as curb.

2.3 EQUIPMENT SUPPORTS

- A. Equipment Supports: Rail-type metal equipment supports capable of supporting superimposed live and dead loads between structural supports, including equipment loads and other construction indicated on Drawings, spanning between structural supports; capable of meeting performance requirements; with welded corner joints, integral metal cant, and integrally formed structure-mounting flange at bottom.
 1. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
 - a. Curbs Plus, Inc.
 - b. Greenheck Fan Corporation.
 - c. Milcor; Commercial Products Group of Hart & Cooley, Inc.
- B. Size: Coordinate dimensions with roughing-in information or Shop Drawings of equipment to be supported.
- C. Supported Load Capacity: Coordinate load capacity with information on Shop Drawings of equipment to be supported.
- D. Material: Zinc-coated (galvanized) steel sheet, 0.052 inch (1.32 mm) thick.
 1. Finish: Mill phosphatized.
- E. Construction:
 1. Curb Profile: Manufacturer's standard compatible with roofing system.
 2. Insulation: Factory insulated with 6 inch thick glass-fiber board insulation.
 3. Liner: Same material as equipment support, of manufacturer's standard thickness and finish.
 4. Nailer: Factory-installed continuous wood nailers 3-1/2 inches (90 mm) wide under top flange on side of curb, continuous around support perimeter.

DIVISION 7– THERMAL AND MOISTURE PROTECTION

Section 07 72 00 – Roof Accessories

5. Wind Restraint Straps and Base Flange Attachment: Provide wind restraint straps, welded strap connectors, and base flange attachment to roof structure at perimeter of curb of size and spacing required to meet wind uplift requirements.
6. Platform Cap: Where portion of equipment support is not covered by equipment, provide weathertight platform cap formed from 3/4-inch- (19-mm-) thick plywood covered with metal sheet of same type, thickness, and finish as required for curb.
7. Metal Counterflashing: Manufacturer's standard, removable, fabricated of same metal and finish as equipment support.
8. On ribbed or fluted metal roofs, form deck-mounting flange at perimeter bottom to conform to roof profile.
9. Fabricate equipment supports to minimum height of 8 inch above roofing surface unless otherwise indicated.
10. Sloping Roofs: Where roof slope exceeds 1:48, fabricate each support with height to accommodate roof slope so that tops of supports are level with each other. Equip supports with water diverters or crickets on sides that obstruct water flow.

2.4 PIPE AND DUCT SUPPORTS

- A. Fixed-Height Cradle-Type Pipe Supports: Polycarbonate pipe stand accommodating up to 1-1/2-inch- (38-mm-) diameter pipe or conduit; with provision for pipe retainer and with manufacturer's support pad or deck plate as recommended for penetration-free installation over roof membrane type; as required for quantity of pipe runs and sizes.

2.5 METAL MATERIALS

- A. Zinc-Coated (Galvanized) Steel Sheet: ASTM A653/A653M, G90 (Z275) coating designation.
 1. Mill-Phosphatized Finish: Manufacturer's standard for field painting.

2.6 MISCELLANEOUS MATERIALS

- A. General: Provide materials and types of fasteners, protective coatings, sealants, and other miscellaneous items required by manufacturer for a complete installation.
- B. Cellulosic-Fiber Board Insulation: ASTM C208, Type II, Grade 1, thickness as indicated.
- C. Glass-Fiber Board Insulation: ASTM C726, nominal density of 3 lb/cu. ft. (48 kg/cu. m), thermal resistivity of 4.3 deg F x h x sq. ft./Btu x in. at 75 deg F (29.8 K x m/W at 24 deg C), thickness as indicated.
- D. Polyisocyanurate Board Insulation: ASTM C1289, thickness and thermal resistivity as indicated.
- E. Wood Nailers: Softwood lumber, pressure treated with waterborne preservatives for aboveground use, acceptable to authorities having jurisdiction, containing no arsenic or chromium, and complying with AWPA C2; not less than 1-1/2 inches (38 mm) thick.
- F. Bituminous Coating: Cold-applied asphalt emulsion complying with ASTM D1187/D1187M.

DIVISION 7– THERMAL AND MOISTURE PROTECTION

Section 07 72 00 – Roof Accessories

- G. Underlayment:
 - 1. Self-Adhering, High-Temperature Sheet: Minimum 30 to 40 mils (0.76 to 1.0 mm) thick, consisting of slip-resisting polyethylene-film top surface laminated to layer of butyl or SBS-modified asphalt adhesive, with release-paper backing; cold applied. Provide primer when recommended by underlayment manufacturer.
 - 2. Fasteners: Roof accessory manufacturer's recommended fasteners suitable for application and metals being fastened. Match finish of exposed fasteners with finish of material being fastened. Provide nonremovable fastener heads to exterior exposed fasteners. Furnish the following unless otherwise indicated:
 - 3. Fasteners for Zinc-Coated or Aluminum-Zinc Alloy-Coated Steel: Series 300 stainless steel or hot-dip zinc-coated steel according to ASTM A153/A153M or ASTM F2329.
- H. Gaskets: Manufacturer's standard tubular or fingered design of neoprene, EPDM, PVC, or silicone or a flat design of foam rubber, sponge neoprene, or cork.
- I. Elastomeric Sealant: ASTM C920, elastomeric silicone polymer sealant as recommended by roof accessory manufacturer for installation indicated; low modulus; of type, grade, class, and use classifications required to seal joints and remain watertight.
- J. Butyl Sealant: ASTM C1311, single-component, solvent-release butyl rubber sealant; polyisobutylene plasticized; heavy bodied for expansion joints with limited movement.

2.7 GENERAL FINISH REQUIREMENTS

- A. Comply with NAAMM's "Metal Finishes Manual for Architectural and Metal Products" for recommendations for applying and designating finishes.
- B. Appearance of Finished Work: Noticeable variations in same piece are not acceptable. Variations in appearance of adjoining components are acceptable if they are within the range of approved Samples and are assembled or installed to minimize contrast.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine substrates, areas, and conditions, with Installer present, to verify actual locations, dimensions, and other conditions affecting performance of the Work.
- B. Verify that substrate is sound, dry, smooth, clean, sloped for drainage, and securely anchored.
- C. Verify dimensions of roof openings for roof accessories.
- D. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 INSTALLATION

- A. General: Install roof accessories according to manufacturer's written instructions.

DIVISION 7– THERMAL AND MOISTURE PROTECTION

Section 07 72 00 – Roof Accessories

1. Install roof accessories level; plumb; true to line and elevation; and without warping, jogs in alignment, buckling, or tool marks.
 2. Anchor roof accessories securely in place so they are capable of resisting indicated loads.
 3. Use fasteners, separators, sealants, and other miscellaneous items as required to complete installation of roof accessories and fit them to substrates.
 4. Install roof accessories to resist exposure to weather without failing, rattling, leaking, or loosening of fasteners and seals.
- B. Metal Protection: Protect metals against galvanic action by separating dissimilar metals from contact with each other or with corrosive substrates by painting contact surfaces with bituminous coating or by other permanent separation as recommended by manufacturer.
1. Coat concealed side of uncoated aluminum roof accessories with bituminous coating where in contact with wood, ferrous metal, or cementitious construction.
 2. Underlayment: Where installing roof accessories directly on cementitious or wood substrates, install a course of underlayment and cover with manufacturer's recommended slip sheet.
 3. Bed flanges in thick coat of asphalt roofing cement where required by manufacturers of roof accessories for waterproof performance.
- C. Roof Curb Installation: Install each roof curb so top surface is level.
- D. Equipment Support Installation: Install equipment supports so top surfaces are level with each other.
- E. Pipe Support Installation: Comply with MSS SP-58 and MSS SP-89. Install supports and attachments as required to properly support piping. Arrange for grouping of parallel runs of horizontal piping, and support together.
1. Pipes of Various Sizes: Space supports for smallest pipe size or install intermediate supports for smaller diameter pipes as specified for individual pipe hangers.
- F. Seal joints with elastomeric or butyl sealant as required by roof accessory manufacturer.

3.3 REPAIR AND CLEANING

- A. Galvanized Surfaces: Clean field welds, bolted connections, and abraded areas and repair galvanizing according to ASTM A780/A780M.
- B. Touch up factory-primed surfaces with compatible primer ready for field painting according to Section 099113 "Exterior Painting."
- C. Clean exposed surfaces according to manufacturer's written instructions.
- D. Clean off excess sealants.
- E. Replace roof accessories that have been damaged or that cannot be successfully repaired by finish touchup or similar minor repair procedures.

END OF SECTION 077200

This page is intentionally blank

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

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

1.2 SUMMARY

- A. Base Bid:

- 1. Silicone joint sealants.
- 2. Butyl joint sealants.

1.3 ACTION SUBMITTALS

- A. Product Data: For each joint-sealant product.
- B. Samples for Initial Selection: Manufacturer's color charts consisting of strips of cured sealants showing the full range of colors available for each product exposed to view.
- C. Samples for Verification: For each kind and color of joint sealant required, provide Samples with joint sealants in 1/2-inch- (13-mm-) wide joints formed between two 6-inch- (150-mm-) long strips of material matching the appearance of exposed surfaces adjacent to joint sealants.
- D. Joint-Sealant Schedule: Include the following information:
 - 1. Joint-sealant application, joint location, and designation.
 - 2. Joint-sealant manufacturer and product name.
 - 3. Joint-sealant formulation.
 - 4. Joint-sealant color.

1.4 INFORMATIONAL SUBMITTALS

- A. Qualification Data: For qualified testing agency.
- B. Product Test Reports: For each kind of joint sealant, for tests performed by manufacturer and witnessed by a qualified testing agency.
- C. Preconstruction Laboratory Test Reports: From sealant manufacturer, indicating the following:
 - 1. Materials forming joint substrates and joint-sealant backings have been tested for compatibility and adhesion with joint sealants.
 - 2. Interpretation of test results and written recommendations for primers and substrate preparation are needed for adhesion.

1.5 QUALITY ASSURANCE

- A. Installer Qualifications: An authorized representative who is trained and approved by manufacturer.
- B. Product Testing: Test joint sealants using a qualified testing agency.
 - 1. Testing Agency Qualifications: Qualified according to ASTM C1021 to conduct the testing indicated.

1.6 FIELD CONDITIONS

- A. Do not proceed with installation of joint sealants under the following conditions:
 - 1. When ambient and substrate temperature conditions are outside limits permitted by joint-sealant manufacturer or are below 40 deg F (5 deg C).
 - 2. When joint substrates are wet.
 - 3. Where joint widths are less than those allowed by joint-sealant manufacturer for applications indicated.
 - 4. Where contaminants capable of interfering with adhesion have not yet been removed from joint substrates.

1.7 WARRANTY

- A. Special Installer's Warranty: Installer agrees to repair or replace joint sealants that do not comply with performance and other requirements specified in this Section within specified warranty period.
 - 1. Warranty Period: One year from date of Substantial Completion.
- B. Special Manufacturer's Warranty: Manufacturer agrees to furnish joint sealants to repair or replace those joint sealants that do not comply with performance and other requirements specified in this Section within specified warranty period.
 - 1. Warranty Period: Five years from date of Substantial Completion.
- C. Special warranties specified in this article exclude deterioration or failure of joint sealants from the following:
 - 1. Movement of the structure caused by stresses on the sealant exceeding sealant manufacturer's written specifications for sealant elongation and compression.
 - 2. Disintegration of joint substrates from causes exceeding design specifications.
 - 3. Mechanical damage caused by individuals, tools, or other outside agents.
 - 4. Changes in sealant appearance caused by accumulation of dirt or other atmospheric contaminants.

PART 2 - PRODUCTS

2.1 JOINT SEALANTS, GENERAL

- A. Compatibility: Provide joint sealants, backings, and other related materials that are compatible with one another and with joint substrates under conditions of service and application, as demonstrated by joint-sealant manufacturer, based on testing and field experience.
- B. Colors of Exposed Joint Sealants: As indicated by manufacturer's designations.

2.2 SILICONE JOINT SEALANTS

- A. Silicone, S, NS, 35, NT: Single-component, nonsag, plus 35 percent and minus 35 percent movement capability. nontraffic-use, neutral-curing silicone joint sealant; ASTM C920, Type S, Grade NS, Class 35, Use NT.
 - 1. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
 - a. Dow Corning Corporation.
 - b. GE Construction Sealants; Momentive Performance Materials Inc.
 - c. Pecora

2.3 BUTYL JOINT SEALANTS

- A. Butyl-Rubber-Based Joint Sealants: ASTM C1311.
 - 1. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
 - a. Bostik, Inc.
 - b. Pecora Corporation.
 - c. Tremco

2.4 MISCELLANEOUS MATERIALS

- A. Primer: Material recommended by joint-sealant manufacturer where required for adhesion of sealant to joint substrates indicated, as determined from preconstruction joint-sealant-substrate tests and field tests.
- B. Cleaners for Nonporous Surfaces: Chemical cleaners acceptable to manufacturers of sealants and sealant backing materials, free of oily residues or other substances capable of staining or harming joint substrates and adjacent nonporous surfaces in any way, and formulated to promote optimum adhesion of sealants to joint substrates.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine joints indicated to receive joint sealants, with Installer present, for compliance with requirements for joint configuration, installation tolerances, and other conditions affecting performance of the Work.
- B. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 PREPARATION

- A. Surface Cleaning of Joints: Clean out joints immediately before installing joint sealants to comply with joint-sealant manufacturer's written instructions and the following requirements:
 - 1. Remove all foreign material from joint substrates that could interfere with adhesion of joint sealant, including dust, paints (except for permanent, protective coatings tested and approved for sealant adhesion and compatibility by sealant manufacturer), old joint sealants, oil, grease, waterproofing, water repellents, water, surface dirt, and frost.
 - 2. Clean nonporous joint substrate surfaces with chemical cleaners or other means that do not stain, harm substrates, or leave residues capable of interfering with adhesion of joint sealants. Nonporous joint substrates include the following:
 - a. Metal.

3.3 INSTALLATION OF JOINT SEALANTS

- A. General: Comply with joint-sealant manufacturer's written installation instructions for products and applications indicated, unless more stringent requirements apply.
- B. Sealant Installation Standard: Comply with recommendations in ASTM C1193 for use of joint sealants as applicable to materials, applications, and conditions indicated.
- C. Install sealants using proven techniques that comply with the following and at the same time backings are installed:
 - 1. Place sealants so they directly contact and fully wet joint substrates.
 - 2. Completely fill recesses in each joint configuration.
 - 3. Produce uniform, cross-sectional shapes and depths relative to joint widths that allow optimum sealant movement capability.
- D. Tooling of Nonsag Sealants: Immediately after sealant application and before skinning or curing begins, tool sealants according to requirements specified in subparagraphs below to form smooth, uniform beads of configuration indicated; to eliminate air pockets; and to ensure contact and adhesion of sealant with sides of joint.
 - 1. Remove excess sealant from surfaces adjacent to joints.

DIVISION 7– THERMAL AND MOISTURE PROTECTION

Section 07 92 00 – Joint Sealants

2. Use tooling agents that are approved in writing by sealant manufacturer and that do not discolor sealants or adjacent surfaces.
3. Provide concave joint profile per Figure 8A in ASTM C1193 unless otherwise indicated.
4. Provide flush joint profile at locations indicated on Drawings according to Figure 8B in ASTM C1193.
5. Provide recessed joint configuration of recess depth and at locations indicated on Drawings according to Figure 8C in ASTM C1193.
 - a. Use masking tape to protect surfaces adjacent to recessed tooled joints.

3.4 CLEANING

- A. Clean off excess sealant or sealant smears adjacent to joints as the Work progresses by methods and with cleaning materials approved in writing by manufacturers of joint sealants and of products in which joints occur.

3.5 PROTECTION

- A. Protect joint sealants during and after curing period from contact with contaminating substances and from damage resulting from construction operations or other causes so sealants are without deterioration or damage at time of Substantial Completion. If, despite such protection, damage or deterioration occurs, cut out, remove, and repair damaged or deteriorated joint sealants immediately so installations with repaired areas are indistinguishable from original work.

3.6 JOINT-SEALANT SCHEDULE

- A. Joint-Sealant Application: Exterior joints in vertical surfaces and horizontal nontraffic surfaces.
 1. Joint Locations:
 - a. Joints between metal panels.
 - b. Joints between different materials listed above.
 - c. Other joints as indicated on Drawings.
 2. Joint Sealant: Silicone S, NS, 35, NT.
 3. Joint-Sealant Color: As selected by Architect from manufacturer's full range of colors.

END OF SECTION 079200

This page is intentionally blank

DIVISION 31 -- EARTHWORK

31 20 00 – Earth Moving

1. GENERAL

1.1 WORK INCLUDES

A. Base Contract:

1. General Contractor to provide excavation, filling, and backfilling for structures and pavement.

1.2 RELATED WORK

Specified elsewhere:

- A. 02 41 13 Selective Site Demolition
- B. 31 25 00 Erosion and Sedimentation Control
- C. 32 11 23 Aggregate Base Course
- D. 32 13 13 Portland Cement Concrete (PCC) Paving
- E. 32 92 00 Turf and Grasses

1.3 REGULATORY REQUIREMENTS

- A. "Standard Specifications for Road and Bridge Construction", Illinois Department of Transportation, Adopted April 1, 2016.

2. PRODUCTS

2.1 SOIL AND ROCK MATERIALS

- A. General: Provide borrow soil materials when sufficient satisfactory soil materials are not available from excavations.
- B. Satisfactory Soils: Soils that are free of rock or gravel larger than 2 inches in any dimension, debris, waste, frozen materials, vegetation, and other deleterious matter.
- C. Unsatisfactory Soils: Include satisfactory soils not maintained within 1% below and 3% percent above optimum moisture content at time of compaction.
- D. Base Material: Naturally or artificially graded mixture of natural or crushed gravel, crushed stone, and natural or crushed sand; ASTM D 2940 meeting IDOT CA-6 requirements.
- E. Bedding Course: Naturally or artificially graded mixture of natural or crushed gravel, crushed stone, and natural or crushed sand; ASTM D 2940; meeting

IDOT CA-7 requirements.

- F. Drainage Fill: Washed, narrowly graded mixture of crushed stone, or crushed or uncrushed gravel; ASTM D448; coarse-aggregate grading Size 57; with 100 percent passing a 1-1/2- inch sieve and 0 to 5 percent passing a No.8 sieve.
- G. Topsoil: Topsoil shall consist of stripping material excavated from the site. Topsoil shall consist of organic surficial soil found in depth of not more than 6-inches.
- H. Sand: ASTM C 33; fine aggregate, meeting IDOT CA-1 or CA-2 requirements.

3. EXECUTION

3.1 GENERAL

- A. Identify required lines, levels, contours, datum, elevations, and grades necessary for construction as shown on the drawings.
- B. Notify utility companies to remove or relocate public utilities that are in conflict with proposed improvements.
- C. Protect plant life, lawns, fences, existing structures, sidewalks, paving, and curbs, unless otherwise noted on the drawings from excavating equipment and vehicular traffic.
- D. Protect benchmarks, property corners, and other survey monuments from damage or displacement. If marker needs to be removed it shall be referenced by licensed land surveyor and replaced, as necessary, by same.
- E. Remove from site, material encountered in grading operations that, in opinion of A/E or the Testing Laboratory is unsatisfactory material or undesirable for backfilling, subgrade, or foundation purposes. Dispose of in manner satisfactory to A/E and local governing agencies. Backfill areas with layers of satisfactory material and compact as specified herein.
- F. Locate and identify utilities that have previously been installed and protect from damage.
- G. Locate and identify existing utilities that are to remain and protect from damage.
- H. Maintain in operating condition existing utilities, previously installed utilities, and drainage systems encountered in utility installation. Repair surface or subsurface improvements shown on the Drawings.
- I. Over excavate and properly prepare areas of subgrade that are not capable of supporting proposed systems. Stabilize these areas by using acceptable geotextile fabrics or aggregate material.

3.2 TOPSOIL EXCAVATION

- A. Cut heavy growths of grass from areas before stripping and remove cuttings with remainder of cleared vegetative material.
- B. Strip topsoil to a depth of not less than 4 inches from areas that are to be filled, excavated, landscaped, or re-graded to such depth that it prevents intermingling with underlying subsoil or questionable material.
- C. Stockpile topsoil in storage piles in areas shown on the Drawings. Construct storage piles to freely drain surface water. Cover storage piles as required to prevent windblown dust. Dispose of unsuitable topsoil as specified for waste material, unless otherwise specified by Using Agency. Remove excess topsoil from site.

3.3 EXCAVATION

- A. Classification of Excavation: The Contractor shall assure himself by site investigation or other necessary means that he is familiar with the type, quantity, quality, and character of excavation work to be performed. Excavation shall be considered unclassified excavation.
- B. When performing grading operations during periods of wet weather, provide adequate dewatering, drainage and ground water management to control moisture of soils.
- C. Shore, brace, and drain excavations as necessary to maintain excavation as safe, secure, and free of water at all times.
- D. Place satisfactory excavated material into project fill areas.
- E. Unsatisfactory excavated material shall be disposed of in manner and location that is acceptable to the A/E, Using Agency and local governing agencies.
- F. Perform excavation using capable, well-maintained equipment and methods acceptable to the A/E, Using Agency and local governing agencies.

3.4 SUBGRADE PREPARATION

- A. Scarification and Compaction: Areas exposed by excavation or stripping and on which subgrade preparations are to be performed shall be scarified to minimum depth of 8 inches and compacted as specified hereinafter.
- B. Proof-rolling: Sub-grades shall be proof-rolled to detect areas of insufficient compaction. Proof-rolling shall be accomplished by making minimum of 2 complete passes with fully-loaded tandem-axle dump truck with a maximum weight of 20 tons, or approved equal, in each of 2 perpendicular directions while under the supervision and direction of the independent testing laboratory. Areas of failure shall be excavated and recompacted as specified herein. Continual failure areas shall be stabilized at no additional cost to Using Agency.

Subgrade exposed longer than 48 hours or on which precipitation has occurred shall be re-proofrolled.

3.5 FILLING

- A. Fill areas to contours and elevations shown on the Drawings with materials deemed satisfactory.
- B. Place fills in continuous lifts in accordance with IDOT requirements and as specified herein.
- C. Fill within proposed pad subgrade and paving subgrade shall not contain rock or stone greater than 6 inches in any dimension.
- D. Unless otherwise specified for rock fill, rock or stone less than 6-inches in largest dimension may be used in fill below structures, paving, outparcels, and graded areas, up to 24 inches below surface of proposed subgrade or finish grade of graded areas when mixed with satisfactory material. Rock or stone less than 2 inches in largest dimension may be used in fill within the upper 24 inches of proposed subgrade or finish grade of graded areas when mixed with satisfactory material.
- E. Fill materials used in preparation of subgrade shall be placed in lifts or layers not to exceed 8 inches loose measure and compacted as specified hereinafter.

3.6 COMPACTION

- A. Compact as follows:
 - 1. Subgrade & Fill below pavement shall be compacted to 95 Percent of the Standard Proctor Density
 - 2. Subgrade & Fill in all other areas shall be compacted to 92 Percent of the Standard Proctor Density.
- B. Maintain moisture content of not less than 1 percent below and not more than 3 percent above optimum moisture content of fill materials to attain required compaction density.
- C. Exercise proper caution when compacting immediately over top of pipes or conduits. Water jetting or flooding is not permitted as method of compaction.
- D. Corrective Measures for Non-Complying Compaction: Remove and recompact deficient areas until proper compaction is obtained. Continual failure areas shall be stabilized at no additional cost to Using Agency.

3.7 MAINTENANCE OF SUBGRADE

- A. Verify finished subgrades to ensure proper elevation and conditions for construction above subgrade.

- B. Protect subgrade from excessive wheel loading during construction, including concrete trucks, dump trucks, and other construction equipment.
- C. Remove areas of finished subgrade found to have insufficient compaction density to depth necessary and replace in manner that will comply with compaction requirements by use of material with CBR or LBR equal to or better than that specified on the drawings. Surface of subgrade after compaction shall be firm, uniform, smooth, stable, and true to grade and cross-section.
- D. Construct temporary ditches and perform such grading as necessary to maintain positive drainage away from subgrade at all times.

3.8 FINISH GRADING

- A. Grade areas where finish grade elevations or contours are indicated on the Drawings, other than paved areas, including excavated areas, filled and transition areas, and landscaped areas. Graded areas shall be uniform and smooth, free from rock, debris, or irregular surface changes. Ground surfaces shall vary uniformly between indicated elevations. Grade finished ditches to allow for proper drainage without ponding and in manner that will minimize erosion potential.
- B. Correct settled and eroded areas within 1 year after date of completion at no additional expense to Using Agency. Bring grades to proper elevation.

3.9 FIELD QUALITY CONTROL

- A. Testing and inspection will be performed by an independent testing agency.
- B. General Contractor is to coordinate and cooperate with the testing agency as necessary to determine conformity with the specifications.
- C. Allow testing agency to inspect and test sub-grades and backfill.
- D. Testing agency will test compaction of soils in place according to IDOT requirements as applicable. When testing agency reports that subgrades, fills, or backfills have not achieved degree of compaction specified, scarify and moisten or aerate, or remove and replace soil materials to depth required; recompact and retest until specified compaction is obtained.

3.10 PROTECTION

- A. Protecting Graded Areas: Protect newly graded areas from traffic, freezing, and erosion. Keep free of trash and debris.
- B. Repair and reestablish grades to specified tolerances where completed or partially completed surfaces become eroded, rutted, settled, or where they lose compaction due to subsequent construction operations or weather conditions. Scarify or remove and replace soil material to depth as directed by A/E; reshape and recompact.

- C. Where settling occurs before Project correction period elapses, remove backfill with additional soil material, compact, and reconstruct surfacing. Restore appearance, quality, and condition of finished surfacing to match adjacent work, and eliminate evidence of restoration to greatest extent possible.

END OF SECTION 31 20 00

DIVISION 31 -- EARTHWORK

31 25 00 – Erosion and Sedimentation Control

1. GENERAL

1.1 WORK INCLUDES

A. Base Contract:

1. The General Contractor shall provide:

- a. Erosion Control Systems: Erosion control systems shall include placement and maintenance of erosion control systems including silt fence, ditch checks, inlet protections, and temporary seeding prior to initial construction activities as work progresses.
- b. Erosion Control Plan: The Erosion Control Plan presented in the Drawings serves as the minimum of the requirements of erosion control during construction. The General Contractor has the ultimate responsibility for providing adequate erosion and sedimentation control throughout the duration of the project. If the provided plan is not working sufficiently to protect the project areas, then the Contractor shall provide additional measures as required to obtain the protection. Contractor shall include in the bid price for erosion control a minimum of all the items shown on the Erosion Control Plan and any additional items that may be needed to control erosion and water pollution.

1.2 RELATED WORK

- A. 02 41 13 Selective Site Demolition
- B. 31 20 00 Earth Moving
- C. 32 92 00 Turf and Grasses

1.3 REGULATORY REQUIREMENTS

- A. "Standard Specifications for Road and Bridge Construction", Illinois Department of Transportation, Adopted April 1, 2016.

2. PRODUCTS

A. Specified elsewhere:

1. 31 20 00 Earth Moving
 - a. Soil and Rock Materials
2. 32 92 00 Turf and Grasses
 - a. Seed

- b. Fertilizers
- c. Planting Soils
- d. Mulches
- e. Erosion Control Blankets

3. EXECUTION

3.1 GENERAL

- A. All temporary and permanent erosion and sediment control practices shall be maintained and repaired as needed to ensure continued performance of their intended function. The erosion control measures installed will be maintained until the project is accepted.
- B. The A/E will monitor the Contractor's erosion control methods.
 - 1. If the overall function and intent of erosion control is not being met, the A/E will require the Contractor to provide additional measures as required to obtain the desired results.
- C. Working in or crossing watercourses, water bodies, and wetlands:
 - 1. Not applicable

3.2 PROTECTION OF ADJACENT PROPERTIES

- A. Properties adjacent to the site of a land disturbance will be protected from sediment deposition.
- B. In addition to the erosion control measures required on the Drawings, perimeter controls may be required if damage to adjacent properties is likely, and may include, but is not limited to:
 - 1. Vegetated buffer strip around the lower perimeter of the land disturbance.
 - 2. Sediment barriers such as straw bales, erosion logs, and silt fences.
 - 3. Sediment basins and detention ponds.
 - 4. A combination of the above measures.

3.3 CONSTRUCTION

- A. Prior to activities that disturb the site, install temporary erosion control in accordance with IDOT Standard Specifications, Section 280 and the Erosion Control Plan.
- B. Construction access routes:
 - 1. Where construction vehicles enter or leave a construction site, a Stabilized

Construction Entrance is required.

2. Where sediment is transported onto a public road surface, the roads shall be cleaned thoroughly at the end of each day.
 3. Sediment shall be removed from roads by shoveling or sweeping and be transported to a sediment controlled disposal area.
 4. Street washing will be allowed only after sediment has been removed in this manner.
- C. Maintain temporary erosion control throughout construction and until the site is accepted.
- D. Inspect erosion control measures daily and after significant rainfall.

3.4 DISPOSITION OF TEMPORARY MEASURES

- A. All temporary erosion and sediment control measures shall be disposed of in accordance in accordance with IDOT Standard Specifications, Section 280.
- B. Any damage to the site, trapped sediment, and other disturbed soil areas resulting from the disposition of temporary measures shall be permanently stabilized to prevent further erosion.

END OF SECTION 31 25 00

This page is intentionally blank

DIVISION 32 – EXTERIOR IMPROVEMENTS

Section 32 11 23 – Aggregate Base Course

1. GENERAL

1.1 WORK INCLUDES

A. Base Contract

1. General Contractor to provide Aggregate Base Course

1.2 RELATED WORK

A. 31 20 00 Earth Moving

B. 32 13 13 Portland Cement Concrete (PCC) Paving

1.3 REGULATORY REQUIREMENTS

- A. "Standard Specifications for Road and Bridge Construction", Illinois Department of Transportation, Adopted April 1, 2016.

1.4 QUALITY ASSURANCE

- A. Testing and inspection of placed aggregate base will be performed by an independent testing laboratory employed by the General Contractor.
- B. General Contractor is to coordinate and cooperate with the testing laboratory and the A/E as necessary to determine conformity with the specifications. The A/E shall witness all tests.
- C. Testing laboratory shall perform one series of tests for aggregate base course. The General Contractor will pay for all costs of additional testing due to improper conformance of work.
- D. Do not cover any work until satisfactory results have been verified and approved in writing.
- E. When test results indicate nonconforming work, remove defective work, replace, and retest.

1.5 SUBMITTALS

- A. Submit materials certificate to the A/E certifying that materials comply with, or exceed, requirements specified herein or on the Construction Drawings.

2. PRODUCTS

- 2.1 Aggregate Base Course: Aggregate base course shall be Aggregate Base Course, Type B, as specified in Section 351 of the "Standard Specifications for Road and Bridge Construction", Illinois Department of Transportation, Adopted April 1, 2016.
- A. Aggregate base course: Naturally or artificially graded mixture of natural or crushed gravel, crushed stone, and natural or crushed sand; ASTM D 2940 meeting IDOT CA-6 requirements.

3. EXECUTION

3.1 ENVIRONMENTAL CONDITIONS

- A. Do not place aggregate when base surface temperature is less than 40 degrees F, nor when air temperature is below 45 degrees F.
- B. Do not place aggregate when surface is wet or frozen.
- C. Do not place aggregate when weather conditions are unfavorable otherwise.

3.2 SEQUENCING/SCHEDULING

- A. Observe the proof-rolling of subgrade prior to placing base course materials.

3.3 PREPARATION

- A. Provide all items and perform all work in accordance with the Illinois Department of Transportation "Standard Specifications for Road and Bridge Construction," Adopted April 1, 2016, the Construction Drawings, and as Specified herein:
1. Subgrade: IDOT Standard Specifications for Road and Bridge Construction, Section 301
 2. Granular Base: IDOT Standard Specifications for Road and Bridge Construction, Section 311

3.4 CONSTRUCTION

- A. Perform base course construction in a manner that will drain the surface properly and prevent runoff from adjacent areas from draining onto base course construction.
- B. Compact base material to not less than 98 percent of optimum density as determined by ASTM D698 or 95 percent of optimum density, as determined by ASTM D1557 unless otherwise indicated on the Drawings.
- C. Construct to thickness indicated on Construction Drawings.
1. Apply in lifts or layers not exceeding 8-inches, measured loose.

END OF SECTION 32 11 23

This page is intentionally blank

DIVISION 32 – EXTERIOR IMPROVEMENTS

Section 32 13 13 – Portland Cement Concrete (PCC) Paving

1. GENERAL

1.1 WORK INCLUDED

A. General Contractor to provide:

1. Portland Cement Concrete (PCC) Paving
2. Miscellaneous Cast-in-Place Portland Cement Concrete, including PCC sidewalk, curb and gutter.
3. PCC surface treatments
4. Pavement marking paint

1.2 RELATED WORK

A. Specified elsewhere:

1. 01 45 29 Testing Laboratory Services
2. 02 41 13 Selective Site Demolition
3. 31 20 00 Earth Moving
4. 32 11 23 Aggregate Base Course

1.3 REGULATORY REQUIREMENTS

A. Illinois Department of Transportation:

1. “Standard Specifications for Road and Bridge Construction,” Adopted April 1, 2016.
2. Manual of Instructions for Concrete Proportioning and Testing.

1.4 SUBMITTALS

A. Product data:

1. PCC Admixtures and Surface Treatments
2. Traffic Markings
3. Handicap Parking Signs

B. Material Certificates: General Contractor shall submit to the A/E certifications that materials comply with, or exceed, requirements specified herein or on the

Construction Drawings.

1. PCC Paving:

- a. IDOT or Certificate of Compliance from Ready Mix producer for Aggregates; Mix Design; and Test Results.

2. PRODUCTS

2.1 MATERIALS

A. All concrete will be produced from a IDOT Certified Concrete Plant.

B. AGGREGATES

1. Fine aggregate shall be defined as follows:

- a. Sand. Sand shall be the fine granular material resulting from the natural disintegration of rock. Sand produced from deposits simultaneously with and by the same operations as gravel coarse aggregate may contain crushed particles in the quantity resulting normally from the crushing and screening of oversize particles and shall meet the following quality requirements.

QUALITY TEST	PERCENT
Na ₂ SO ₄ Soundness, 5 Cycle ASTM C 88 Maximum % Loss	10
Minus No. 200 Sieve Material ASTM C 136 Maximum %	3.0

DELETERIOUS TEST Materials (Maximum % Allowed)	PERCENT
-- Shale %	3.0
-- Clay Lumps %	1.0
-- Coal, Lignite & Shells %	1.0
-- Conglomerate %	3.0
-- Other Deleterious %	3.0
Total Deleterious Allowed %	3.0

2. Crushed aggregate shall be a non “D” cracking crushed stone as defined by the Illinois Department of Transportation.
 - a. Crushed Stone. Crushed stone shall be defined as the angular fragments resulting from the crushing by mechanical means the following types of rocks quarried from undisturbed consolidated deposits: granite and similar phanerocrystalline igneous rocks; limestone; dolomite; or massive metamorphic quartzite or similar rocks.
 - b. The coarse aggregate shall also conform to the following quality requirements:

QUALITY TEST	PERCENT
Na ₂ SO ₄ Soundness, 5 Cycle ASTM C 88 Maximum % Loss	15
Los Angeles Abrasion ASTM C 131 Maximum % Loss	45
Minus No. 200 Sieve Material ASTM C 136 Maximum %	1 1/2

1. NOTE: If the material finer than No. 200 sieve consists of dusts from the fracture, essentially free from clay or silt, this percentage may be increased to 2.5%.

DELETERIOUS TEST Materials (Maximum % Allowed)	PERCENT
-- Shale %	1.0
-- Clay Lumps %	0.25
-- Coal & Lignite%	0.25
-- Soft & Unsound %	4.0
-- Other Deleterious %	4.0 2/3
Total Deleterious Allowed %	5.0

2. NOTE: Includes deleterious chert. Deleterious chert shall be the lightweight fraction separated in a 2.55 heavy media separation.

c. The coarse aggregate shall also conform to the following gradations:

SIEVE (In.)	1" to No. 4
2	--
1 ½	100
1	90-100
¾	--
½	30-60
No. 4	0-10
No. 16	--
IDOT Gradation	(CA 7)

C. CEMENTITIOUS MATERIAL

1. Cement. Type I cement conforming to the requirements of ASTM C150 will be required.
2. Fly ash shall not be used without prior approval.

D. JOINT SEALER

1. All joints (expansion, sawn, and construction) will be sealed with a cold applied, fuel resistant, self-leveling, silicone joint sealant. The sealant shall "skin" over quickly and shall be grey in color.
2. The pre-molded filler for each joint shall be furnished in a single piece for the full depth and width required for the joint, unless otherwise specified by CDB/user. When the use of more than one piece is authorized for the joint, the abutting ends shall be fastened securely and held accurately to shape by stapling or other positive fastening means acceptable to the CDB/user.

E. COVER MATERIAL FOR CURING

1. The curing compound shall be in accordance with the applicable portions of Article 1020 of the IDOT Standard Specifications.

F. ADMIXTURES

1. Air-Entraining Admixtures and Water-Reducing Admixtures shall be required. Retarding Admixtures may be used when approved by CDB/User. High Rage Water Reducer may be required to achieve workability needed by the Contractor.

2. Air Entraining Admixtures approved by the Department of Transportation shall be used.
3. Water-Reducing Admixtures approved by the Department of Transportation shall be used.
4. Retarding Admixtures approved by the Department of Transportation shall be used.
5. High Range Admixtures approved by the Department of Transportation shall be used.

G. TRAFFIC MARKING

1. The colors for pavement markings shall conform to the standard highway colors, the construction plans and details.

2.2 EQUIPMENT

- A. All Equipment shall conform to the applicable portions of Section 420 and related articles of the IDOT specifications.

2.3 PROPORTIONS

- A. Portland Cement Concrete for Paving shall conform to the applicable portions of Section 1020 of the IDOT Standard Specification for Road and Bridge Construction, Portland Concrete, Class PV.
- B. "Type B" final finish shall be used on this project.
- C. Portland Cement for all other work shall conform to the applicable portions of Section 1020 of the IDOT Standard Specification for Road and Bridge Construction, Portland Concrete, Class SI.

3. EXECUTION

3.1 ENVIRONMENTAL CONDITIONS

- A. Do not pave when temperature is less than 40 degrees F, nor when air temperature is below 45 degrees F.
- B. Do not pave when base course is wet or frozen.
- C. Do not place aggregate when weather conditions are unfavorable otherwise.

3.2 SEQUENCING/SCHEDULING

- A. Do not cover up any work until satisfactory test results have been verified and approved in writing.

3.3 PREPARATION

A. Provide all items and perform all preparation and work in accord with IDOT Standard Specifications for Road and Bridge Construction:

1. Subgrade: IDOT Standard Specifications for Road and Bridge Construction, Section 301
2. Granular Base: IDOT Standard Specifications for Road and Bridge Construction, Section 311

3.4 INSTALLATION

- A. Install in accordance with the IDOT Standard Specification for Road and Bridge Construction, Section 420, unless specified otherwise.
- B. Sawcut control or contraction joints within 12 hours of concrete placement, preferably as soon as the pavement can accept the saw without raveling at the joint edges. Concrete Pavement will not be left unsawn overnight after placement. Concrete may be required to be cut twice to reach required joint depths.
- C. Protect the concrete after placement using membranes to help cure pavement. Seal pavement using the manufacturer's written recommendations.
- D. Ensure surface of completed bituminous pavement is true to lines, profiles, and elevations indicated. Correct all non-conforming work.

3.5 TRAFFIC MARKINGS

- A. Cleaning: sweep and clean surface to remove loose material and dust
- B. Exterior markings; Do not apply traffic marking paint until layout and placement has been verified with the A/E. Apply paint with mechanical equipment to produce uniform straight edges. Apply to produce a minimum of 12 mils dry thickness.

3.6 PROTECTION

- A. Protect finished work from damage until final acceptance of the project.

END OF SECTION 32 12 16

DIVISION - 32 EXTERIOR IMPROVEMENTS

Section - 32 92 00 Turf and Grasses

1. GENERAL

1.1 WORK INCLUDES

A. Base Contract:

1. General Contractor to provide preparation, seeding and mulching of disturbed areas

1.2 RELATED WORK

A. 31 20 00 Earth Moving

1.3 REGULATORY REQUIREMENTS

- A. "Standard Specifications for Road and Bridge Construction", Illinois Department of Transportation, Adopted April 1, 2016, shall apply to all work under this section.

1.4 SUBMITTALS

- A. Certification of Grass Seed: From seed vendor for each grass-seed monostand or mixture stating the botanical and common name, percentage by weight of each species and variety, and percentage of purity, germination, and weed seed. Include the year of production and date of packaging.
- B. Product Certificates: For fertilizers, from manufacturer.

1.5 PROJECT CONDITIONS

- A. Planting Restrictions: Planting time periods shall be as specified by Standard Specifications for Road and Bridge Construction, Illinois D.O.T. Section 250

2. PRODUCTS

2.1 SEED

- A. Grass Seed: Fresh, clean, dry, new-crop seed complying with Standard Specifications for Road and Bridge Construction, Illinois D.O.T. Section 250.
- B. Seed Species: Standard Specifications for Road and Bridge Construction, Illinois D.O.T. Section 250, Class 2, Roadside Mixture.

2.2 FERTILIZERS

- A. Slow-Release Fertilizer: Granular or pelleted fertilizer consisting of 50 percent water-insoluble nitrogen, phosphorus, and potassium in the following

composition:

1. Composition: 1:1:1 ratio
2. Applied at a rate of 90 lb/acre for each of Nitrogen, Phosphorus and Potassium.

2.3 PLANTING SOILS

Planting Soil: Existing, in-place surface soil. Verify suitability of existing surface soil to produce viable planting soil. Remove stones, roots, plants, sod, clods, clay lumps, pockets of coarse sand, concrete slurry, concrete layers or chunks, cement, plaster, building debris, and other extraneous materials harmful to plant growth.

2.4 MULCHES

Straw Mulch: Provide air-dry, clean, mildew- and seed-free, salt hay or threshed straw of wheat, rye, oats, or barley.

2.5 EROSION-CONTROL MATERIALS

Erosion-Control Blankets: Biodegradable wood excelsior, straw, or coconut-fiber mat enclosed in a photodegradable plastic mesh. Include manufacturer's recommended steel wire staples, 6 inches long.

3. EXECUTION

3.1 ENVIRONMENTAL CONDITIONS

Planting Restrictions: Planting time periods shall be as specified by Standard Specifications for Road and Bridge Construction, Illinois DOT Section 250

3.2 SCHEDULING

Schedule planting times as soon as possible after completion of necessary work.

3.3 PREPARATION AND INSTALLATION

Prepare and complete seeding according to IDOT requirements.

3.4 CLEANUP AND PROTECTION

- A. Promptly remove soil and debris created by turf work from paved areas. Clean wheels of vehicles before leaving site to avoid tracking soil onto roads, walks, or other paved areas.
- B. Remove non-degradable erosion-control measures after grass establishment period.

3.5 WARRANTY

Contractor is to warranty this work for one year plus one growing season.

END OF SECTION 32 92 00

This page is intentionally blank

DIVISION - 33 UTILITIES

Section - 33 05 16 Utility Structures

1. GENERAL

1.1 WORK INCLUDES

A. General Contractor:

1. Remove and dispose of existing CMP culvert
2. Provide and install 15" RCCP Pipe Culvert and 15" Flared End Sections

1.2 RELATED WORK

- A. 02 41 13 Selective Site Demolition
- B. 31 25 00 Erosion and Sedimentation Control
- C. 32 11 23 Aggregate Base Course
- D. 32 13 13 Portland Cement Concrete (PCC) Paving

1.3 REGULATORY REQUIREMENTS

- A. "Standard Specifications for Road and Bridge Construction", Illinois Department of Transportation, Adopted April 1, 2016, shall apply to applicable work under this section.
- B. "Standard Specifications for Water and Sewer Main Construction in Illinois", fifth edition, shall apply to applicable work.

2. PRODUCTS

2.1 STORM SEWER

- A. Pipe Culvert in accordance with Section 1042.06 and Section 542 of the IDOT Standard Specification for Road and Bridge Construction:
 1. 15" Diameter RCCP Culvert, Type 1, Class IV
- B. Reinforced Concrete Finished End Section Pipe in accordance with Section 503 of the IDOT Standard Specification for Road and Bridge Construction

3. EXECUTION

3.1 INSTALLATION

- A. Install Culvert Pipe and Flared End Sections per the plans. Construct in

accordance with Method 1 or Method 2 of Section 542 of the IDOT
Standard Specification for Road and Bridge Construction.

END OF SECTION 33 05 16