

BID FORM 1: THE ADJUSTMENT FACTORS

CONTRACT #/TRADE: COG-2131-GC1-G / General Construction

CONTRACTOR NAME: Angstrom LLC

GEOGRAPHIC AREA: Region #1 Northern IL

The Contractor shall perform the Tasks and pay all Administrative Fees required by each individual Purchase Order issued pursuant to this using the following Adjustment Factors:

1. Normal Working Hours Prevailing Wage: 7:00am to 4:00pm Monday to Friday, except holidays. Contractor shall perform Tasks during Normal Working Hours for the Unit Price set forth in the CTC multiplied by the Adjustment Factor of:

1.A Adjustment Factor With
Administrative Fees:

0	.	9	3	1	0
---	---	---	---	---	---

(Specify to four decimal places)

2. Other Than Normal Working Hours Prevailing Wage: 4:00pm to 7:00am Monday to Friday, and any time Saturday, Sunday and Holidays. Contractor shall perform Tasks during Other Than Normal Working Hours for the Unit Price set forth in the CTC multiplied by the Adjustment Factor of:

2.A Adjustment Factor With
Administrative Fees:

0	.	9	9	9	9
---	---	---	---	---	---

(Specify to four decimal places)

3. Normal Working Hours Non-Prevailing Wage: 7:00am to 4:00pm Monday to Friday, except holidays. Contractor shall perform Tasks during Normal Working Hours for the Unit Price set forth in the CTC multiplied by the Adjustment Factor of:

3.A Adjustment Factor With
Administrative Fees:

0	.	9	9	0	0
---	---	---	---	---	---

(Specify to four decimal places)

4. Other Than Normal Working Hours Non-Prevailing Wage: 4:00pm to 7:00am Monday to Friday, and any time Saturday, Sunday and Holidays. Contractor shall perform Tasks during Other Than Normal Working Hours for the Unit Price set forth in the CTC multiplied by the Adjustment Factor of:

4.A Adjustment Factor With
Administrative Fees:

0	.	9	9	9	9
---	---	---	---	---	---

(Specify to four decimal places)

5. Non Pre-priced Adjustment Factor: To be applied to Work deemed not to be included in the CTC but within the general scope of the work:

5.A Adjustment Factor With
Administrative Fees:

1	.	0	0	0	0
---	---	---	---	---	---

6. Combined Adjustment Factor: (From Line 11 Bid Form 2)

0	.	9	5	7	6
---	---	---	---	---	---

(See Bid Form 2 for calculation procedure)

NOTICE - The attention of Bidders is particularly called to the fact that, unless the Bid is made in strict conformity with the directions given, it may be considered non-responsive and may be rejected. The Bidder must fill in all boxes and blanks.

Before submitting this bid, the Bidder is directed to the Construction Task Catalog to review the explanation of the costs included in the Unit Prices and in the Adjustment Factors. Except for a Non Pre-priced Task, the only compensation to be paid to a Contractor will be the total of the Unit Prices multiplied by the quantities multiplied by the Adjustment Factor. No additional payments of any kind whatsoever will be made. All costs not included in the Unit Prices must be part of the Adjustment Factors.

- **The Other Than Normal Working Hours Adjustment Factors must be equal to or higher than the Normal Working Hours Adjustment Factors.**

CCOG and EQUALIS GROUP RESERVE THE RIGHT TO REVISE ALL ARITHMETIC ERRORS IN CALCULATIONS FOR CORRECTNESS.

BID FORM 2: CALCULATION OF THE COMBINED ADJUSTMENT FACTOR

CONTRACT #/TRADE: COG-2131-GC1-G / General Construction

CONTRACTOR NAME: Angstrom LLC

GEOGRAPHICAL REGION: Region #1 Northern IL

The following formula has been developed for the sole purpose of evaluating bids and awarding.

Each bidder must complete the following calculation.

Line 1.	Normal Working Hours Prevailing Wage (1.A)	<u>0.9310</u>
Line 2.	Multiply Line 1 by .60	<u>0.5586</u>
Line 3.	Other Than Normal Working Hours Prevailing Wage (2.A)	<u>0.9999</u>
Line 4.	Multiply Line 3 by .10	<u>0.1000</u>
Line 5.	Normal Working Hours Non-Prevailing Wage (3.A)	<u>0.9900</u>
Line 6.	Multiply Line 5 by .10	<u>0.0990</u>
Line 7.	Other Than Normal Working Hours Non-Prevailing Wage (4.A)	<u>0.9999</u>
Line 8.	Multiply Line 7 by .10	<u>0.1000</u>
Line 9.	Adjustment Factor for Non Pre-priced Tasks (5.A)	<u>1.0000</u>
Line 10.	Multiply Line 5 by .10	<u>0.1000</u>
Line 11:	Summation of lines 2, 4, 6, 8 and 10)	<u>0.9576</u>
	(Combined Adjustment Factor)	

Transfer the number on line 11 to the space provided in line 6 for the Combined Adjustment Factor on Bid Form 1.

Instructions To Bidder: Specify lines 1 through 11 to four (4) decimal places. Use conventional rounding methodology (i.e., if the number in the 5th decimal place is 0-4, the number in the 4th decimal remains unchanged; if the number in the 5th decimal place is 5-9, the number in the 4th decimal is rounded upward).

Note To Bidder: The weights in lines 2, 4, 6, 8 and 10 above are for the purpose of calculating a Combined Adjustment Factor only. No assurances are made by CCOG that Work will be ordered under the Agreement in a distribution consistent with the weighted percentages above. The Combined Adjustment Factor is only used for the purpose of determining the lowest Bidder.

When submitting Price Proposals related to specific Purchase Orders, the Bidder shall utilize one or more of the Adjustment Factors applicable to the Work being performed provided in lines 1, 3, 5, 7, and 9 as applicable, on the Bid Form 2 above.

ADDENDUM #1

REQUEST FOR PROPOSALS:

Job Order Contracting Services in the State of Illinois

RFP #:

COG-2131

ISSUED BY:

The Cooperative Council of Governments
On Behalf of Equalis Group

DATED:

April 6, 2022

This Addendum #1 amends the Request for Proposal (RFP) for Job Order Contracting Services in the State of Illinois ("**Addendum #1**"). To the extent of any discrepancy between the original RFP and this Addendum, this Addendum shall prevail.

This Addendum #1 is hereby issued to make the following changes:

- 1) Proposal Form Two in Section Two of the RFP documents has been updated to correct an error in Line 10. Section Two has been updated and the revised file is available on Bonfire with the files file name: **Equalis ezIQC IL IFB Section 2 rev 2022.04.06.docx**

Old Line 10 Instructions

Line 10. Multiply Line 5 x .10

New Line 10 Instructions

Line 10. Multiply Line 9 x .10



INVITATION FOR BID

Job Order Contracting Services in the State of Illinois

IFB # COG-2131

Issued By:

*The Cooperative Council of Governments
On Behalf of Equalis Group*

6001 Cochran Road, Suite 333
Cleveland, Ohio 44139

February 2022

Section Two:

Bid Submission and Required Forms

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BID FORM CHECKLIST

The following documents must be submitted with the Bid

The below documents can be found in Section 2; Bid Submission and Required Bid Forms and must be submitted with the Bid. Please note Bid Forms 1 & 2 must be filled out and submitted separately for each individually contract and geographical region you are bidding see Section One; Part C – Bid Format and Submission, Article 2 Bid Tables):

BID PRICING: Bidders must complete and submit separate Bid Forms 1 & 2 for each individual contract and geographic region they are bidding.

- ☐ Bid Form 1: The Adjustment Factors
- ☐ Bid Form 2: Calculation of the Combined Adjustment Factor

PERFORMANCE CAPABILITY, QUALIFICATIONS AND EXPERIENCE: Bidders need only submit Bid Forms 3-7 once regardless of how many contracts or geographical regions they are bidding.

- ☐ Bid Form 3: Company Profile Questionnaire
- ☐ Bid Form 4: Diversity Vendor Certification Participation
- ☐ Bid Form 5: Bonding Capacity Statement
- ☐ Bid Form 6: Management Personnel
- ☐ Bid Form 7: References and Experience Questionnaire

OTHER REQUIRED BID FORMS: Bidders need only submit Bid Forms 8-17 once regardless of how many contracts or geographical regions they are bidding.

- ☐ Bid Form 8: Agreement to Work in all Areas of the State
- ☐ Bid Form 9: Federal Funds Certification Form
- ☐ Bid Form 10: Required License and Certifications
- ☐ Bid Form 11: Disbarment Notice
- ☐ Bid Form 12: Lobbying Certification and Boycott Certification
- ☐ Bid Form 13: Mandatory Supplier Certifications
- ☐ Bid Form 14: Contractor Certification Requirements
- ☐ Bid Form 15: Unresolved Findings for Recovery

- ☐ **Bid Form 16: Mandatory Disclosures**
- ☐ **Bid Form 17: Master Agreement Signature Form**

BID FORM 1: THE ADJUSTMENT FACTORS

CONTRACT #/TRADE: COG-2131-GC1-G / General Construction

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BID FORM 3: COMPANY PROFILE INFORMATION/QUESTIONNAIRE

1. *Provide your company's official registered name/legal name?*

Angstrom LLC

2. *Provide your companies Federal Tax ID # or Social Security #:*

82-2140314

3. *Provide your corporate address, and if different provide your bidder remittance address:*

Corporate Address:

**4455 S. King Drive Suite 101B,
Chicago ,IL 60653**

Remittance Address:

4. *Provide information below on your company's representative/contact person authorized to answer questions regarding your submitted bid response:*

Name:

Daniella Thomas

Title:

Administrative Assistant

Office Phone #:

913-972-6779

Cell Phone #:

Email:

dthomas@angstrom360.com

5. *Provide information on your company's representative/contact person authorized to address contractual issues, including the authority to execute a contract and to whom legal notices regarding contract termination or breach should be sent:*

Name: Ghazi Muhammad

Title: CEO

Office Phone #: 913-972-6779

Cell Phone #: _____

Email: gmuhammad@angstrom360.com

6. *Please provide a brief history of your company, including the year it was established:*
Established 2017.

7. *What was your annual construction volume over last three (3) years?*

1 million

8. *What are your overall public sector sales, excluding Federal Government, for last three (3) years?*

1 million

9. *What is your strategy to increase market share in the public sector?*

Increase bid submission rate and respond to bid advertisements more frequently.

10. *What differentiates your company from competitors in the public sector?*

Angstrom LLC is a design and build firm and a minority owned business which makes up less than 20% of

11. Diversity program - Do you currently have a diversity program or any diversity partners that you do business with?

☒ Yes

☐ No

a. If the answer is yes, do you plan to offer your program or partnership through Equalis Group?

☒ Yes

☐ No

10. Provide your safety record, safety rating, EMR and worker's compensation rate where available.

EMR RATING IS 0.0

BID FORM 4: DIVERSITY VENDOR CERTIFICATION PARTICIPATION

Diversity Vendor Certification Participation - It is the policy of some Members participating in Equalis Group to involve minority and women business enterprises (M/WBE), small and/or disadvantaged business enterprises, disabled veterans business enterprises, historically utilized businesses (HUB) and other diversity recognized businesses in the purchase of goods and services. Respondents shall indicate below whether or not they hold certification in any of the classified areas and include proof of such certification with their response.

a. Minority Women Business Enterprise

Respondent certifies that this firm is an MWBE

☒ Yes ☐ No

List certifying agency: CMS- Central Management Services, National Minority Supplier Development Council

b. Small Business Enterprise (SBE) or Disadvantaged Business Enterprise (DBE)

Respondent certifies that this firm is a SBE or DBE

☒ Yes ☐ No

List certifying agency: CMS- Central Management Services, National Minority Supplier Development Council

c. Disabled Veterans Business Enterprise (DVBE)

Respondent certifies that this firm is an DVBE

☐ Yes ☒ No

List certifying agency: _____

d. Historically Underutilized Businesses (HUB)

Respondent certifies that this firm is an HUB

☐ Yes ☒ No

List certifying agency: _____

e. Historically Underutilized Business Zone Enterprise (HUBZone)

Respondent certifies that this firm is an HUBZone

☐ Yes ☒ No

List certifying agency: _____

f. Other

Respondent certifies that this firm is a recognized diversity certificate holder

☐ Yes ☒ No

List certifying agency: _____

BID FORM 5: BONDING CAPACITY STATEMENT

Provide a letter from your bonding company setting forth your company's available bonding capacity and availability and confirming that, if required, your company could provide labor and material payment bonds and performance bonds for certain projects up to the bonding capacity.

(Insert bonding company statement here)

BID FORM 6: MANAGEMENT PERSONNEL

Please provide contact information and resumes for the person(s) who will be responsible for the following areas.

Executive Contact

Contact Person: Ghazi Muhammad

Title: CEO

Company: Angstrom LLC

Address: 4455 S. King Drive Suite 101B

City: Chicago State: IL Zip: 60653

Phone: 913-972-6779 Fax:

Email: gmuhammad@angstrom360.com

Account Manager / Sales Lead

Contact Person: Daniella Thomas

Title: Administrative Assistant

Company: Angstrom LLC

Address: 4455 S. King Drive Suite

City: Chicago State: IL Zip: 60653

Phone: 913-972-6779 Fax:

Email: dthomas@angstrom360.com

Contract Management (if different than the Sales Lead)

Contact Person: Ghazi Muhammad

Title: CEO

Company: Angstrom LLC

Address: 4455 S. King Drive Suite

City: Chicago State: IL Zip: 60653

Phone: 913-972-6779 Fax:

Email: gmuhammad@angstrom360.com

Billing & Reporting/Accounts Payable

Contact Person: Daniella Thomas

Title: Administrative Assistant

Company: Angstrom LLC

Address: 4455 S. King Drive Suite

City: Chicago State: IL Zip: 60653

Phone: 913-972-6779 Fax: _____

Email: dthomas@angstrom360.com

Marketing

Contact Person: Daniella Thomas

Title: Administrative Assistant

Company: Angstrom LLC

Address: 4455 S. King Drive Suite

City: Chicago State: IL Zip: 60653

Phone: 913-972-6779 Fax: _____

Email: dthomas@angstrom360.com

BID FORM 7: REFERENCES AND EXPERIENCE QUESTIONNAIRE

Provide a minimum of five (5) customer references for product and/or services of similar scope dating within the past 3 years. Please try to provide references for K12, Higher Education, City/County and State entities. Provide the following information for each reference:

- a) Entity Name
- b) Contact Name and Title
- c) City and State
- d) Phone Number
- e) Years Serviced
- f) Description of Services
- g) Annual Volume

SEE ATTACHMENT

Questions:

1. Identify any contracts with other cooperative or government group purchasing organizations of which your company is currently a part of:

Cooperative/GPO Name	Contract Number
_____	_____
_____	_____
_____	_____
_____	_____
2. Provide a copy of all current licenses, registrations and certifications issued by federal, state and local agencies, and any other licenses, registrations or certifications from any other governmental entity with jurisdiction, allowing Respondent to perform the covered services including, but not limited to licenses, registrations or certifications. M/WBE, HUB, DVBE, small and disadvantaged business certifications and other diverse business certifications, as well as manufacturer certifications for sales and service must be included if applicable.
3. If applicable describe your company's past experience with Job Order Contracting and include specific examples of other cooperatives and public agencies where you have performed these services.

4. Provide information regarding whether your firm, either presently or in the past, has been involved in any litigation, bankruptcy, or reorganization.

5. Felony Conviction Notice – Please check applicable box:

☐ A publicly held corporation; therefore, this reporting requirement is not applicable

☒ Is not owned or operated by anyone who has been convicted of a felony.

☐ Is owned or operated by the following individual(s) who has/have been convicted of a felony.

*If the 3rd box is checked a detailed explanation of the names and convictions must be attached.

BID FORM 8: AGREEMENT TO WORK IN ALL REGIONS IN THE STATE

There are times that a Contractor may need to perform work for certain Members that have facilities in areas outside of the Geographic Region. By acknowledging your acceptance below, you are saying that you will consider performing work in such areas in the State or other States. The Contractor will use the awarded CTC and adjustment factor proposed. If a contractor holds multiple contracts when performing work outside an awarded Region the contractor will use the contract that results in the lowest price for the Member. The Contractor will have the option to decline Projects outside of the Geographic Region.

Please circle your intention below:

☒ Yes

We agree to consider working in areas outside of the Geographic Region.

☐ No We will NOT consider working outside of the Geographic Region.

Signature

The Proposer shall acknowledge this bid by signing and completing the spaces provided below:

Name of Proposer: Angstrom LLC

City/State/Zip: Chicago IL, 60653

Telephone No.: 913-972-6779

If a partnership, names and addresses of partners:

Notarized

Subscribed and sworn to before me this 4 day of April, 2022

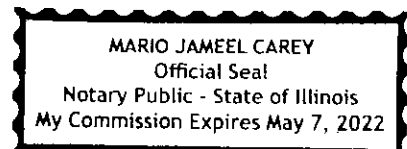
Notary Public in and for the County of COOK

State of IL

My commission expires: 05/22

Signature: _____

[Handwritten Signature]



BID FORM 9: FEDERAL FUNDS CERTIFICATION FORM

When a participating agency seeks to procure goods and services using funds under a federal grant or contract, specific federal laws, regulations, and requirements may apply in addition to those under state law. This includes, but is not limited to, the procurement standards of the Uniform Administrative Requirements, Cost Principles and Audit Requirements for Federal Awards, 2 CFR 200 (sometimes referred to as the “Uniform Guidance” or “EDGAR” requirements). All Vendors submitting bids must complete this Federal Funds Certification Form regarding Vendor’s willingness and ability to comply with certain requirements which may be applicable to specific participating agency purchases using federal grant funds. This completed form will be made available to participating agencies for their use while considering their purchasing options when using federal grant funds. Participating agencies may also require Vendors to enter into ancillary agreements, in addition to the contract’s general terms and conditions, to address the member’s specific contractual needs, including contract requirements for a procurement using federal grants or contracts.

For each of the items below, Vendor should certify Vendor’s agreement and ability to comply, where applicable, by having Vendor’s authorized representative complete and initial the applicable lines after each section and sign the acknowledgment at the end of this form. If a vendor fails to complete any item in this form, CCOG and Equalis Group will consider the Vendor’s response to be that they are unable or unwilling to comply. A negative response to any of the items may, if applicable, impact the ability of a participating agency to purchase from the Vendor using federal funds.

1. Vendor Violation or Breach of Contract Terms:

Contracts for more than the simplified acquisition threshold currently set at \$150,000, which is the inflation adjusted amount determined by the Civilian Agency Acquisition Council and the Defense Acquisition Regulations Council (Councils) as authorized by 41 USC 1908, must address administrative, contractual, or legal remedies in instances where contractors violate or breach contract terms, and provide for such sanctions and penalties as appropriate.

Any Contract award will be subject to CCOG General Terms and Conditions, as well as any additional terms and conditions in any Purchase Order, participating agency ancillary contract, or Member Construction Contract agreed upon by Vendor and the participating agency which must be consistent with and protect the participating agency at least to the same extent as the CCOG Terms and Conditions.

The remedies under the Contract are in addition to any other remedies that may be available under law or in equity. By submitting a bid, you agree to these Vendor violation and breach of contract terms.

Does vendor agree Does Bidder agree? GM
(Initials of Authorized Representative)

2. Termination for Cause or Convenience:

When a participating agency expends federal funds, the participating agency reserves the right to immediately terminate any agreement in excess of \$10,000 resulting from this procurement process in the event of a breach or default of the agreement by Offeror in the event Offeror fails to: (1) meet

schedules, deadlines, and/or delivery dates within the time specified in the procurement solicitation, contract, and/or a purchase order; (2) make any payments owed; or (3) otherwise perform in accordance with the contract and/or the procurement solicitation. participating agency also reserves the right to terminate the contract immediately, with written notice to offeror, for convenience, if participating agency believes, in its sole discretion that it is in the best interest of participating agency to do so. Offeror will be compensated for work performed and accepted and goods accepted by participating agency as of the termination date if the contract is terminated for convenience of participating agency. Any award under this procurement process is not exclusive and participating agency reserves the right to purchase goods and services from other offerors when it is in participating agency's best interest.

Does Bidder agree? GM
(Initials of Authorized Representative)

3. Equal Employment Opportunity:

Except as otherwise provided under 41 CFR Part 60, all participating agency purchases or contracts that meet the definition of "federally assisted construction contract" in 41 CFR Part 60-1.3 shall be deemed to include the equal opportunity clause provided under 41 CFR 60-1.4(b), in accordance with Executive Order 11246, "Equal Employment Opportunity" (30 FR 12319, 12935, 3 CFR Part, 1964-1965 Comp., p. 339), as amended by Executive Order 11375, "Amending Executive Order 11246 Relating to Equal Employment Opportunity," and implementing regulations at 41 CFR Part 60, "Office of Federal Contract Compliance Programs, Equal Employment Opportunity, Department of Labor."

The equal opportunity clause provided under 41 CFR 60-1.4(b) is hereby incorporated by reference. Vendor agrees that such provision applies to any participating agency purchase or contract that meets the definition of "federally assisted construction contract" in 41 CFR Part 60-1.3 and Vendor agrees that it shall comply with such provision.

Does Bidder agree? GM
(Initials of Authorized Representative)

4. Davis-Bacon Act:

When required by Federal program legislation, Vendor agrees that, for all participating agency prime construction contracts/purchases in excess of \$2,000, Vendor shall comply with the Davis-Bacon Act (40 USC 3141-3144, and 3146-3148) as supplemented by Department of Labor regulations (29 CFR Part 5, "Labor Standards Provisions Applicable to Contracts Covering Federally Financed and Assisted Construction"). In accordance with the statute, Vendor is required to pay wages to laborers and mechanics at a rate not less than the prevailing wages specified in a wage determinate made by the Secretary of Labor. In addition, Vendor shall pay wages not less than once a week.

Current prevailing wage determinations issued by the Department of Labor are available at www.wdol.gov. Vendor agrees that, for any purchase to which this requirement applies, the award of the purchase to the Vendor is conditioned upon Vendor's acceptance of the wage determination.

Vendor further agrees that it shall also comply with the Copeland “Anti-Kickback” Act (40 USC 3145), as supplemented by Department of Labor regulations (29 CFR Part 3, “Contractors and Subcontractors on Public Building or Public Work Financed in Whole or in Part by Loans or Grants from the United States”). The Act provides that each contractor or subrecipient must be prohibited from inducing, by any means, any person employed in the construction, completion, or repair of public work, to give up any part of the compensation to which he or she is otherwise entitled.

Does Bidder agree? GM
(Initials of Authorized Representative)

5. Contract Work Hours and Safety Standards Act:

Where applicable, for all participating agency contracts or purchases in excess of \$100,000 that involve the employment of mechanics or laborers, Vendor agrees to comply with 40 USC 3702 and 3704, as supplemented by Department of Labor regulations (29 CFR Part 5). Under 40 USC 3702 of the Act, Vendor is required to compute the wages of every mechanic and laborer on the basis of a standard work week of 40 hours. Work in excess of the standard work week is permissible provided that the worker is compensated at a rate of not less than one and a half times the basic rate of pay for all hours worked in excess of 40 hours in the work week. The requirements of 40 USC 3704 are applicable to construction work and provide that no laborer or mechanic must be required to work in surroundings or under working conditions which are unsanitary, hazardous or dangerous. These requirements do not apply to the purchases of supplies or materials or articles ordinarily available on the open market, or contracts for transportation or transmission of intelligence.

Does Bidder agree? GM
(Initials of Authorized Representative)

6. Right to Inventions Made Under a Contract or Agreement:

If the participating agency’s Federal award meets the definition of “funding agreement” under 37 CFR 401.2(a) and the recipient or subrecipient wishes to enter into a contract with a small business firm or nonprofit organization regarding the substitution of parties, assignment or performance or experimental, developmental, or research work under that “funding agreement,” the recipient or subrecipient must comply with the requirements of 37 CFR Part 401, “Rights to Inventions Made by Nonprofit Organizations and Small Business Firms Under Government Grants, Contracts and Cooperative Agreements,” and any implementing regulations issued by the awarding agency.

Vendor agrees to comply with the above requirements when applicable.

Does Bidder agree? GM
(Initials of Authorized Representative)

7. Clean Air Act and Federal Water Pollution Control Act:

Clean Air Act (42 USC 7401-7671q.) and the Federal Water Pollution Control Act (33 USC 1251-1387), as amended –Contracts and subgrants of amounts in excess of \$150,000 must contain a provision that requires the non-Federal award to agree to comply with all applicable standards, orders, or regulations

issued pursuant to the Clean Air Act (42 USC 7401-7671q.) and the Federal Water Pollution Control Act, as amended (33 USC 1251-1387). Violations must be reported to the Federal awarding agency and the Regional Office of the Environmental Protection Agency (EPA).

When required, Vendor agrees to comply with all applicable standards, orders, or regulations issued pursuant to the Clean Air Act and the Federal Water Pollution Control Act.

Does Bidder agree? GM
(Initials of Authorized Representative)

8. Debarment and Suspension:

Debarment and Suspension (Executive Orders 12549 and 12689) – A contract award (see 2 CFR 180.220) must not be made to parties listed on the government-wide exclusions in the System for Award Management (SAM), in accordance with the OMB guidelines at 2 CFR 180 that implement Executive Orders 12549 (3 CFR Part 1966 Comp. p. 189) and 12689 (3CFR Part 1989 Comp. p. 235), “Debarment and Suspension.” SAM Exclusions contains the names of parties debarred, suspended, or otherwise excluded by agencies, as well as parties declared ineligible under statutory or regulatory authority other than Executive Order 12549.

Vendor certifies that Vendor is not currently listed on the government-wide exclusions in SAM, is not debarred, suspended, or otherwise excluded by agencies or declared ineligible under statutory or regulatory authority other than Executive Order 12549. Vendor further agrees to immediately notify the Cooperative and all participating agencies with pending purchases or seeking to purchase from Vendor if Vendor is later listed on the government-wide exclusions in SAM, or is debarred, suspended, or otherwise excluded by agencies or declared ineligible under statutory or regulatory authority other than Executive Order 12549.

Does Bidder agree? GM
(Initials of Authorized Representative)

9. Byrd Anti-Lobbying Amendment:

Byrd Anti-Lobbying Amendment (31 USC 1352) -- Vendors that apply or bid for an award exceeding \$100,000 must file the required certification. Each tier certifies to the tier above that it will not and has not used Federal appropriated funds to pay any person or organization for influencing or attempting to influence an officer or employee of any agency, a member of Congress, officer or employee of Congress, or an employee of a member of Congress in connection with obtaining any Federal contract, grant or any other award covered by 31 USC 1352. Each tier must also disclose any lobbying with non-Federal funds that takes place in connection with obtaining any Federal award. Such disclosures are forwarded from tier to tier up to the non-Federal award. As applicable, Vendor agrees to file all certifications and disclosures required by, and otherwise comply with, the Byrd Anti-Lobbying Amendment (31 USC 1352).

Does Bidder agree? GM
(Initials of Authorized Representative)

10. Procurement of Recovered Materials:

For participating agency purchases utilizing Federal funds, Vendor agrees to comply with Section 6002 of the Solid Waste Disposal Act, as amended by the Resource Conservation and Recovery Act where applicable and provide such information and certifications as a participating agency may require to confirm estimates and otherwise comply. The requirements of Section 6002 include procuring only items designated in guidelines of the Environmental Protection Agency (EPA) at 40 CFR Part 247 that contain the highest percentage of recovered materials practicable, consistent with maintaining a satisfactory level of competition, where the purchase price of the item exceeds \$10,000 or the value of the quantity acquired during the preceding fiscal year exceeded \$10,000; procuring solid waste management services in a manner that maximizes energy and resource recovery, and establishing an affirmative procurement program for procurement of recovered materials identified in the EPA guidelines.

Does Bidder agree? GM
(Initials of Authorized Representative)

11. Profit as a Separate Element of Price:

For purchases using federal funds in excess of \$150,000, a participating agency may be required to negotiate profit as a separate element of the price. See, 2 CFR 200.323(b). When required by a participating agency, Vendor agrees to provide information and negotiate with the participating agency regarding profit as a separate element of the price for a particular purchase. However, Vendor agrees that the total price, including profit, charged by Vendor to the participating agency shall not exceed the awarded pricing, including any applicable discount, under Vendor's Cooperative Contract.

Does Bidder agree? GM
(Initials of Authorized Representative)

12. Prohibition on Certain Telecommunications and Video Surveillance Services or Equipment

Vendor agrees that recipients and subrecipients are prohibited from obligating or expending loan or grant funds to procure or obtain, extend or renew a contract to procure or obtain, or enter into a contract (or extend or renew a contract) to procure or obtain equipment, services, or systems that uses covered telecommunications equipment or services as a substantial or essential component of any system, or as critical technology as part of any system from companies described in Public Law 115-232, section 889. Telecommunications or video surveillance equipment or services produced or provided by an entity that the Secretary of Defense, in consultation with the Director of the National Intelligence or the Director of the Federal Bureau of Investigation, reasonably believes to be an entity owned or controlled by, or otherwise connected to, the government of a covered foreign country are also prohibited.

Does Bidder agree? GM
(Initials of Authorized Representative)

13. Domestic preferences for procurements

For participating agency purchases utilizing Federal funds, Bidder agrees to provide proof, where applicable, that the materials, including but not limited to, iron, aluminum, steel, cement, and other manufactured products are produced in the United States.

“Produced in the United States” means, for iron and steel products, that all manufacturing processes, from the initial melting stage through the application of coatings, occurred in the United States.

“Manufactured products” means items and construction materials composed in whole or in part of non-ferrous metals such as aluminum; plastics and polymer-based products such as polyvinyl chloride pipe; aggregates such as concrete; glass, including optical fiber; and lumber.

Does Bidder agree? GM
(Initials of Authorized Representative)

14. General Compliance and Cooperation with Participating Agencies:

In addition to the foregoing specific requirements, Vendor agrees, in accepting any Purchase Order from a participating agency, it shall make a good faith effort to work with participating agencies to provide such information and to satisfy such requirements as may apply to a particular participating agency purchase or purchases including, but not limited to, applicable recordkeeping and record retention requirements.

Does Bidder agree? GM
(Initials of Authorized Representative)

15. Applicability to Subcontractors

Offeror agrees that all contracts it awards pursuant to the Contract shall be bound by the foregoing terms and conditions.

Does Bidder agree? GM
(Initials of Authorized Representative)

By signature below, I certify that the information in this form is true, complete, and accurate and that I am authorized by my company to make this certification and all consents and agreements contained herein.

Authorized
signature: _____

Printed Name: Ghazi Muhammad
Company Name: Angstrom LLC
Mailing Address: 4455 S King Drive, Suite 101B, Chicago, IL 60653
Job Title: CEO

BID FORM 10: REQUIRED LICENSE AND CERTIFICATIONS

(Provide copies of all licenses and certifications that are required to be held by your organization)

BID FORM 11: DEBARMENT NOTICE

I, the Vendor, certify that my company has not been debarred, suspended or otherwise ineligible for participation in Federal Assistance programs under Executive Order 12549, "Debarment and Suspension", as described in the Federal Register and Rules and Regulations.

Potential Vendor: Angstrom LLC

Title of Authorized Representative: CEO

Mailing Address: 4455 S. King Drive, Suite 101B, Chicago IL, 60653

Signature: *Ghazi Muhammad*

BID FORM 12: LOBBYING AND BOYCOTT CERTIFICATION

Submission of this certification is a prerequisite for making or entering into this transaction and is imposed by Section 1352, Title 31, U.S. Code. This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Any person who fails to file the required certification shall be subject to civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

The undersigned certifies, to the best of his/her knowledge and belief, that:

1. No Federal appropriated funds have been paid or will be paid on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of a Federal contract, the making of a Federal grant, the making of a Federal loan, the entering into a cooperative agreement, and the extension, continuation, renewal, amendment, or modification of a Federal contract, grant, loan, or cooperative agreement.
2. If any funds other than Federal appropriated funds have been or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract or cooperative agreement, the undersigned shall complete and submit Standard Form LLL, "Disclosure of Lobbying Activities," in accordance with its instructions.
3. The undersigned shall require that the language of this certification be included in the award documents for all covered sub-awards exceeding \$100,000 in Federal funds at all appropriate tiers and that all sub-recipients shall certify and disclose accordingly.

Ghazi Muhammad
Signature of Respondent

31/03/2022
Date

Boycott Certification

Bidder must certify that during the term of any Agreement, it does not boycott Israel and will not boycott Israel. "Boycott" means refusing to deal with, terminating business activities with, or otherwise taking any action that is intended to penalize, inflict economic harm on, or limit commercial relations specifically with Israel, or with a person or entity doing business in Israel or in an Israeli-controlled territory, but does not include an action made for ordinary business purposes.

Ghazi Muhammad
Signature of Respondent

31/03/2022
Date

BID FORM 13: MANDATORY SUPPLIER CERTIFICATIONS

CCOG may not enter into contracts with any suppliers who have been found to be ineligible for state contracts under specific federal or Ohio statutes or regulations. Bidders responding to any CCOG RFP MUST certify that they are NOT ineligible by signing each of the statements below. **Failure to provide proper affirming signature on any of these statements will result in a Bidder's proposal being deemed nonresponsive to this RFP.**

I, Ghazi Muhammad, hereby certify and affirm that Angstrom LLC, has not been debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in transactions by the United States Department of Labor, the United States Department of Health and Human Services, or any other federal department or agency as set forth in 29 CFR Part 98, or 45 CFR Part 76, or other applicable statutes.

AND

I, Ghazi Muhammad, hereby certify and affirm that Angstrom LLC, is in compliance with all federal, state, and local laws, rules, and regulations, including but not limited to the Occupational Safety and Health Act and the Ohio Bureau of Employment Services and the following:

- Not penalized or debarred from any public contracts or falsified certified payroll records or any other violation of the Fair Labor Standards Act in the last three (3) years;
- Not found to have violated any worker's compensation law within the last three (3) years;
- Not violated any employee discrimination law within the last three (3) years;
- Not have been found to have committed more than one (1) willful or repeated OSHA violation of a safety standard (*as opposed to a record keeping or administrative standard*) in the last three (3) years;
- Not have an Experience Modification Rating of greater than 1.5 (a penalty-rated employer) with respect to the Bureau of Workers' Compensation risk assessment rating; and
- Not have failed to file any required tax returns or failed to pay any required taxes to any governmental entity within the past three (3) years.

AND

I, Ghazi Muhammad, hereby certify and affirm that Angstrom LLC, is not on the list established by the Ohio Secretary of State, pursuant to **ORC Section 121.23**, which identifies persons and businesses with more than one unfair labor practice contempt of court finding against them.

AND

I, Ghazi Muhammad, hereby certify and affirm that Angstrom LLC either is not subject to a finding for recovery under **ORC Section 9.24**, or has taken appropriate remedial steps required under that statute to resolve any findings for recovery, or otherwise qualifies under that section to enter into contracts with CCOG.

I, Ghazi Muhammad, hereby affirm that this proposal accurately represents the capabilities and qualifications of Bidder Name, and I hereby affirm that the cost(s) proposed to CCOG for the performance of services and/or provision of goods covered in this proposal in response to this CCOG RFP is a firm fixed price structure as described in the Cost Proposal, inclusive of all incidental as well as primary costs. *(Failure to provide the proper affirming signature on this item may result in the disqualification of your proposal.)*

BID FORM 14: CONTRACTOR CERTIFICATION REQUIREMENTS

1. Contractor's Employment Eligibility

By entering the contract, Contractor warrants compliance with the Federal Immigration and Nationality Act (FINA), and all other federal and state immigration laws and regulations. The Contractor further warrants that it is in compliance with the various state statutes of the states it will operate this contract in.

Participating Government Entities including School Districts may request verification of compliance from any Contractor or subcontractor performing work under this Contract. These Entities reserve the right to confirm compliance in accordance with applicable laws.

Should the Participating Entities suspect or find that the Contractor or any of its subcontractors are not in compliance, they may pursue any and all remedies allowed by law, including, but not limited to: suspension of work, termination of the Contract for default, and suspension and/or debarment of the Contractor. All costs necessary to verify compliance are the responsibility of the Contractor.

The Respondent complies and maintains compliance with the appropriate statutes which requires compliance with federal immigration laws by State employers, State contractors and State subcontractors in accordance with the E-Verify Employee Eligibility Verification Program.

Contractor shall comply with governing board policy of the CCOG Participating entities in which work is being performed.

2. Fingerprint & Criminal Background Checks

If required to provide services on school district property at least five (5) times during a month, contractor shall submit a full set of fingerprints to the school district if requested of each person or employee who may provide such service. Alternately, the school district may fingerprint those persons or employees. An exception to this requirement may be made as authorized in Governing Board policy. The district shall conduct a fingerprint check in accordance with the appropriate state and federal laws of all contractors, subcontractors or vendors and their employees for which fingerprints are submitted to the district. Contractor, subcontractors, vendors and their employees shall not provide services on school district properties until authorized by the District.

The Respondent shall comply with fingerprinting requirements in accordance with appropriate statutes in the state in which the work is being performed unless otherwise exempted.

Contractor shall comply with governing board policy in the school district or Participating Entity in which work is being performed.

Signature: *Ghazi Muhammad*
Date: 31/03.2022

BID FORM 15: UNRESOLVED FINDINGS FOR RECOVERY

O.R.C. Chapter 9.24 prohibits CCOG from awarding a contract to any entity against whom the Auditor of State has issued a finding for recovery, if such finding for recovery is “unresolved” at the time of award. By submitting a proposal, a Bidder warrants that it is not now, and will not become, subject to an “unresolved” finding for recovery under **O.R.C. Chapter 9.24** prior to the award of any contract arising out of this RFP, without notifying CCOG of such finding. The Proposal Review Team will not evaluate a proposal from any Bidder whose name, or the name of any of the subcontractors proposed by the Bidder, appears on the website of the Auditor of the State of Ohio as having an “unresolved” finding for recovery.

Is your company the subject of any unresolved findings for recoveries?

- ☐ Yes
☒ No

BID FORM 16: MANDATORY DISCLOSURES

3. *Mandatory Contract Performance Disclosure.*

Disclose whether your company's performance and/or the performance of any of the proposed subcontractor(s) under contracts for the provision of products and services that are the same or similar to those to be provided for the Program which is the subject of this RFP has resulted in any formal claims for breach of those contracts. For purposes of this disclosure, "**formal claims**" means any claims for breach that have been filed as a lawsuit in any court, submitted for arbitration (whether voluntary or involuntary, binding or not), or assigned to mediation. For any such claims disclosed, fully explain the details of those claims, including the allegations regarding all alleged breaches, any written or legal action resulting from those allegations, and the results of any litigation, arbitration, or mediation regarding those claims, including terms of any settlement. While disclosure of any formal claims will not automatically disqualify a Bidder from consideration, at the sole discretion of Equalis Group, such claims and a review of the background details may result in a rejection of a Bidder's proposal. Equalis Group will make this decision based on the Proposal Review Team's determination of the seriousness of the claims, the potential impact that the behavior that led to the claims could have on the Bidder's performance of the work, and the best interests of Members.

Provide statement here. N/A

4. *Mandatory Disclosure of Governmental Investigations.*

Indicate whether your company and/or any of the proposed subcontractor(s) has been the subject of any adverse regulatory or adverse administrative governmental action (federal, state, or local) with respect to your company's performance of services similar to those described in this RFP. If any such instances are disclosed, Bidders must fully explain, in detail, the nature of the governmental action, the allegations that led to the governmental action, and the results of the governmental action including any legal action that was taken against the Bidder by the governmental agency. While disclosure of any governmental action will not automatically disqualify a Bidder from consideration, such governmental action and a review of the background details may result in a rejection of the Bidder's proposal at Group's sole discretion. Equalis Group will make this decision based on the Proposal Review Team's determination of the seriousness of the claims, the potential impact that the behavior that led to the claims could have on the Bidder's performance of the work, and the best interests of Members.

Provide statement here. N/A

BID FORM 17: MASTER AGREEMENT SIGNATURE FORM

BIDDERS MUST SUBMIT THIS FORM COMPLETED AND SIGNED WITH THEIR RESPONSE TO BE CONSIDERED FOR AWARD.

The undersigned hereby proposes and agrees to furnish Products & Services in strict compliance with the terms, specifications, and conditions contained within this RFP and the Master Agreement at the prices proposed within the submitted proposal unless noted in writing. The undersigned further certifies that he/she is an officer of the company and has authority to negotiate and bind the company named below and has not prepared this proposal in collusion with any other Bidder and that the contents of this proposal as to prices, terms or conditions of said proposal have not been communicated by the undersigned nor by any employee or agent to any person engaged in this type of business prior to the official opening of this proposal.

Company Name	Angstrom LLC
Address	4455 S. King Drive Suite 101B
City/State/Zip	Chicago, IL, 60653
Phone Number	(913) 972-6779
Email Address	gmuhammad@angstrom360.com
Printed Name	Ghazi Muhammad
Job Title	CEO

Authorized Signature	
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Initial Term of the Master Agreement

Contract Effective Date:	May 1, 2022
Contract Expiration Date:	April 30, 2023
Contract Number:	

(Note: Contract Number will be applied prior to CCOG and Equalis Group countersigning.)

The Cooperative Council of Governments, Inc.
6001 Cochran Road, Suite 333
Cleveland, Ohio 44139

Equalis Group, LLC.
5550 Granite Parkway, Suite 298
Plano, Texas 75024

By:	
Name:	Scott A. Morgan
As:	CCOG Board President
Date:	

By:	
Name:	Eric Merkle
As:	SVP, Procurement & Operations
Date:	



ILLINOIS

JB Pritzker, Governor

DEPARTMENT OF CENTRAL MANAGEMENT SERVICES

Janel L. Forde, Director

September 21, 2021

Ghazi Muhammad
Angstrom LLC
4455 S King Dr
Suite 101B
Chicago, IL 60653

Dear Business Owner:

Re: **NCA Certification Approval** Minority Business Enterprise (MBE)
Certification Term Expires: June 10, 2022

Congratulations! After reviewing the No-Change Affidavit (NCA) information you supplied, we are pleased to inform you that your firm has been granted continued certification under the Business Enterprise Program (BEP) for Minorities, Females and Persons with Disabilities.

This certification is in effect with the State of Illinois until the date specified above as long as you continue to submit annual No - Change Affidavits and are found to still meet the requirements of the Program.

Your firm's name will appear in the State's Directory as a certified vendor with the BEP in the specialty area(s) of:

NIGP 96842: GENERAL CONSTRUCTION

Also, please be advised that this certification does not guarantee that you will receive a State contract. Please visit the Vendor Registration page on www.opportunities.illinois.gov and be sure to register with each of the Procurement Bulletins listed so that you are notified of upcoming solicitations in your NIGP codes. Certification with the Business Enterprise Program does not ensure you receive notifications; you must also register with the Procurement Bulletins.

Thank you for your participation in the BEP. We welcome your participation and wish you continued success.

Sincerely,

Carlos Gutiérrez
Certification Manager
Business Enterprise Program



GREEN BUSINESS CERTIFICATION INC. CERTIFIES THAT

Ghazi Muhammad

HAS ATTAINED THE DESIGNATION OF

LEED AP[®] Building Design + Construction

by demonstrating the knowledge and understanding of
green building practices and principles needed to
support the use of the LEED[®] green building program.

11104308-AP-BD+C

CREDENTIAL ID

25 SEP 2018

ISSUED

24 SEP 2022

VALID THROUGH

A handwritten signature in black ink that reads "Mahesh Ramanujam".

MAHESH RAMANUJAM
PRESIDENT & CEO, U.S. GREEN BUILDING COUNCIL
PRESIDENT & CEO, GREEN BUSINESS CERTIFICATION INC.



ANGSTROM
DESIGN + BUILD

TECHNICAL SUMMARY



COG-2131 -Job Order Contracting Services in
the State of Illinois

Dear Cooperative Council Of Governments

In this contract, the Cooperative Council of Governments (CCOG) expect to complete every step of the construction and renovation process for the Cooperative Council of Governments' interior construction and renovation projects. As a result, CCOG will require a team of professional project managers, consultants, project engineers, estimators, safety managers, superintendents, and specially trained journeymen. We provide the necessary knowledge and expertise of our staff and labourers to complete the project work orders within a strict budget and time frame. Angstrom LLC, has generously provided highly skilled construction professionals and engineers to work on our JOC, TOC, and multi-unit renovation and furnishing projects over the last Decade. Angstrom was founded in 2014 by key personnel with over 50 years of successful experience performing top-tier construction duties for numerous multi-unit housing projects. This includes the Cook County Housing Authority, the Maricopa County JOC Program, the City Colleges of Chicago, and others. The Maricopa County JOC Program was one that Angstrom oversaw, in addition to major maintenance projects and tenant improvements and minor engineering services associated with mechanical, electrical, LEED, carpentry, painting, HVAC, plumbing, and walls, masonry, metal stairwells, etc. If you have any questions regarding this RFP, please contact Ghazi Muhammad, LEED AP BD+C. Angstrom has authorized Ghazi to sign and handle contracts. We are excited about this new opportunity. We are looking forward to working with you and supporting the delivery of challenging projects in the near future.

Ghazi Muhammad, LEED AP: BD+C

Contract Manager

www.angstromdesignbuild.com

gmuhammad@angstrom360.com

(913) 972-6779

4455 S. Martin Luther King Drive Suite 101B,
Chicago, Illinois 60653



ANGSTROM

DESIGN + BUILD

- Executive Summary
- Past projects
- Key Personnel
- Organization Chart

Bidder Qualifications

Significant Understanding of the JOC Program to date, we have completed over 500 units for Housing Authorities across the country (Chicago, Indiana, New York, Boston, and Maricopa), and we were able to advance to Tier 4 in 2017. We recently extended our option year into 2022 and moved into Tier 5 with more compensation limits. We have also designed and renovated over 50 Commercial Facilities. Angstrom is an established MBE contractor specializing in federal and municipal Job Order Contracts (JOC). With over five million dollars in Job Order Contracts completed to date, Angstrom possesses the knowledge and experience, and resources to successfully complete any large and complex project within due time. Our self-performing capabilities include but are not limited to construction management, selective demolition, masonry, concrete, carpentry, drywall, painting, flooring, tile, mechanical, electrical, LEED, and plumbing. From regular working hours to night shifts and overtime, our dedicated staff and tradesmen are willing and able to provide excellent customer service. Our history of completing JOC projects, coupled with the depth of our fully staffed engineering department, currently provides our clients with services including AutoCAD, Building Information Modeling (BIM), our LEED benefits, Energy Modeling, and Geographical Information Systems (GIS), sets us apart from our competitors, who typically only specialize in one discipline.

1.1 Significant Understanding of the JOC Program

We have completed over 500 units for Housing Authorities across the country (Chicago, Indiana, New York, Boston, and Maricopa), and in 2017, we were able to advance to Tier 4. We recently extended our option year until 2022 and moved to Tier 5, with higher compensation limits. We have also designed and renovated over 50 commercial facilities and have completed over \$5 million in Job Order Contracts. See Past projects and Our Step-by-Step Methodology to Execute the JOC Contract (Page 24)



EXECUTIVE SUMMARY

1.2 Prior Experience with JOC Programs

Key personnel have over a decade of experience in rehabilitating dwelling and non-dwelling properties. We are currently a Sub- Contractor to more than 5 GC's in the residential & commercial industry performing demolition, renovation, and new construction, in Chicago, IL. The current size of our firm is a total of 8 office employees. We are currently a sub-contractor for the City Colleges of Chicago JOC Program, CHA JOC Program, and Maricopa County JOC Program in Arizona. More detailed information regarding our relevant experience can be found in the project table located in Appendix A of this proposal, along with client references. We encourage the Board to contact these individuals as they can attest to our record of services.

1.3 Technical Expertise in the Design, Operation, and Requirements of Illinois

BUILDING DESIGN

Angstrom provides many communities with comprehensive construction and engineering services to ensure residents an adequate supply of quality living conditions, in compliance with federal and state regulations.

Our experience spans the full range of building systems engineering services including planning and modeling; stormwater piping installation and retention; sanitary; natural gas; landscape architecture; power distribution in buildings; energy efficiency and energy performance with our buildings; hot water heating systems; water softening systems; storm piping systems for roof drainage; fire protection and sprinkler systems; planning for future expansion of the building; solar panel installation; security systems and card access; cameras; IT infrastructure such as wireless internet access; telephone systems; audiovisual.

CONSTRUCTION SERVICES

Angstrom provides many construction services including demolition of existing building structures, wiring of electrical lines, painting surfaces, landscaping, plumbing, HVAC, carpentry, paving, excavation and removal. Angstrom installs flooring lighting fixtures, cabinets, furniture, counter-tops, outlet plates, sensors, fans, vent covers, windows and blinds, doors, privacy glass, shelving, AC units, showers, vanities, toilets, washer, dryer, appliances, stairs, railings, audio and visual equipment, clocks, furniture's, security system



EXECUTIVE SUMMARY

1.4 Ability to Perform Required Tasks in the Timeframe Allotted

Angstrom prefers aggressive schedules, however, having successfully completed construction projects for 7 communities last year, we are confident we will meet the timeline set forth in the RFP. We have a proven track record for providing a high level of service to our clients and our work is always on aggressive schedules and strict budgets, both of which have been adhered to year after year. To attest to the quality and timeliness of our service, we have provided three references.

1.5 Communication, Organization, and Safety

Angstrom maintains extremely high standards for quality in the work that we provide to our clients. In addition to our commitment to providing first-rate technical services, we also assure that we communicate effectively with our clients with organized and accurate data, detailed reports, and thorough responses to feedback on draft reports. Safety is a priority and is implemented through every project. Our records show that no project is more important than one's health and safety.





ANGSTROM
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PAST PROJECTS





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PAST PROJECTS





PAST PROJECT

City Colleges of Chicago JOC – Richard Daley College

Job Order – 13-SCD-001: Condenser Replacement on Multistack

Summary

As consultants to Star & Crest Construction, Angstrom provided the design and CM, for the upgrade of Richard J. Daley College's Multi-Stack Chiller.

Challenge

As consultants to Star & Crest Construction, Angstrom provided the design and CM, for the upgrade of Richard J. Daley College's Multi-Stack Chiller. The chillers at the school were used to process cooling water. The school had 2-250-ton Carrier Chillers installed side by side, and only needed one of the chillers for their daily operations with the 2nd chiller used as a standby. One of the 250-ton chillers had lost its 250-ton compressor and Carrier cannot supply a replacement compressor and the school was decided our Multitask Chillers with 2-125-ton

Our Solution

Install a more efficient Multitask Chiller, to replace the failed chillers. The total cost of the new Multistack Chiller including labor and materials was \$270,000 which figures to just over \$1,000 per ton. We estimate the annual savings comparing the old 150 ton failed chillers with our new Multistack Chiller to be \$78,000 per year assuming a total cost of electricity per kWh at \$0.09 and 8,500 hours of run-time per year because this school runs 24/7.

These savings of course will require that our Multistack Chiller be the lead chiller. The investment into the Multistack Chiller will be paid back in far less than 1 year giving the Multistack Chillers a very high rate of return on investment. The MagLev Compressors are oil-free which eliminates considerable maintenance when bring compared to conventional chillers.

Our Results

Angstrom's certified mechanic performed the removal and disposal of existing chiller and any associated items requiring removal. They also disposed of the existing R-22 Refrigerant and oil. The water valves were capped off, the chillers were installed, and the water was returned.



OUR ROLES

- Mechanical Design
- Construction Management

PAST PROJECT

City Colleges of Chicago JOC – Richard Daley College

Job Order – 10-SCD-002: Upgrade PA System for Richard J. College

Summary

Job Order consists of replacing Daley College's old PA System.

Challenge

The previous system had several broken speakers and had insufficient audio quality. There were approx. 10–50 speakers in the facility. In an attempt to save the college money, before replacing the old PA System as required by the scope of work. Our licensed electricians performed an audio test to determine if the whole system truly needs to be replaced. Unfortunately, the system no doubt had to be replaced.

Our Solution

Our core supplier for the PA system was Pace Systems. The pace was able to recommend a higher quality PA system and was willing to complete the labor and material for this project. The new PA system was high quality, cost-effective, and had wireless functionality.

Our Results

The newer product had Acoustic Echo Cancellation or AEC functionality which improved the resolution of the sound, which will make speech much clearer.



OUR ROLES

- Construction Management
- Scheduling & Estimation
- Sub-Contractor
- Researching modern PA System for the College





PAST PROJECT

City Colleges of Chicago JOC – Kennedy King College

Job Order – 13-SCD-002: Upgrade PA System for Kennedy King College

Summary

Providing professional consulting service and sub-contracting for Star & Crest Construction Inc. Kennedy King College PA System was upgraded to a higher-quality PA system.

Challenge

Like Daley College, KKC was looking to upgrade its PA System. Bigger than Daley College (extra 20,000 SF), there were more speakers, hence a larger PA System. Here Angstrom's engineers have discovered:

- Several broken speakers
- Poor Audio Quality
- Poor Speaker placement

Our Solution

Our core supplier for the PA system was Pace Systems. The pace was able to recommend a higher quality PA system and was willing to complete the labor and material for this project. The new PA system was high quality, cost-effective, and had wireless functionality.

Our Results

The newer product had Acoustic Echo Cancellation or AEC functionality which improved the resolution of the sound, which will make speech much clearer.



OUR ROLES

- Construction Management
- Scheduling & Estimation
- Sub-Contractor



PAST PROJECT

City Colleges of Chicago JOC – Dawson Technical Institute

Job Order - DT1807: 2nd Floor Administrative Office Build-out

Summary

Renovate Dawson Tech's 2nd Floor Library into an administrative office for CCC's staff.

Challenge

The scope of the project was to renovate a library into a space with office rooms. The overall design will end up

having over 60 cubicles, a kitchen, and 3 large conference rooms. Not to mention the demolition and installation

of new flooring. The two biggest challenges for this project are:

1. Demolition of 750 SF Brick wall w/ pipes in the wall.
2. Interior design of administrative floor layout.

Our Solution

Activating Angstrom's design services, our interior designer (Renduo Cheng), provided an open concept design, that will inevitably guide the carpenters on where to install the storefronts. Regarding the demolition of the 10ft brick wall, after reviewing the plumbing drawings with our licensed plumber, we were able to successfully demo the wall. Demolition of this wall expanded the original library and created space for an open kitchen!

Our Results

During the construction phase our project manager, project engineer, and safety manager successfully managed all the operations on the worksite. Our team consisted of highly skilled subcontractors. The finished rooms were furnished with furniture, which was provided by the Owner.



OUR ROLES

- Construction Management
- Scheduling & Estimation
- Safety Management
- Interior Design



PAST PROJECT

City Colleges of Chicago JOC – Olive Harvey College

Job Order – 09-SDC-003: Renovation of 4 Buildings (3,5,6,9)

Summary

The Job Order comprises the complete interior renovation of 4 buildings, on OH's campus.

Challenge

The biggest challenge in completing this job order was having to work around students, during the summer semester. The following tasks were completed in all 4 buildings (3,5,6,9):

- Paint, prime, and patch of walls & ceilings
- Install new VCT Floor Tile w/ rubber cove base
- Strip & Wax Floors

Our Solution

Working with the prime contractor's painters & carpenters, we first started in the building with less activity. Office equipment had to be removed to accommodate the demolition of the old carpet. Painters began to start preparing the wall. About the time the painting is complete, new floors are being installed. Angstrom's team provided the quality control, in which before the inspection we verified general caulking was complete, zero flashes from the paint, and cove base was properly glued to the walls. This process was completed as we rotated from building to building, once again working around students and department officials.

Our Results

Thanks to Angstrom's high-quality scheduling, we successfully met the client's deadline completion date. Also, the punch-list was at a very minimum thanks to our quality control plan.



OUR ROLES

- Construction Management
- Scheduling & Estimation
- Sub-Contractors



PAST PROJECT

City Colleges of Chicago JOC – Wilbur Wright College

Job Order – 12-SCD-001: Renovate Parking Garage Interior

Summary

As sub-contractors, Angstrom performed parking garage restoration and preservation for Wilbur Wright College.

Challenge

The parking structure at Wright College has been exposed to harsh conditions due to damaging weather and chemicals.

Our Solution

Angstrom addressed structural damages by having a perform concrete repair and replacement. Our team applied traffic coatings/sealers, installed expansion joints/sealants. Waterproofing is vital during structural repair, as it successfully eliminated the need to repeat the same repair again and prevents related future costs for the owner. Our painters applied new fresh parking stripes where needed.

Our Results

Working w/ Mundo Electric (Electrical Contractor) the lighting for the whole parking garage was upgraded to meet LEED energy standards. Once again, waterproofing was completed to eliminate the need to repeat the same repairs again and prevent related future costs.



OUR ROLES

- Construction Management
- Scheduling & Estimation
- Sub-Contractors



PAST PROJECT

City Colleges of Chicago JOC – Olive Harvey College

Job Order – 09-SCD-007: Install Projectors and Paint 13 Classrooms

Summary

This Job Order consists of upgrading 13 classrooms with projectors, that has touch screen capabilities

Challenge

The conditions of the classrooms on campuses varied greatly, and the classrooms of interest were in a much older portion of the campus. The classrooms lagged the campus standard for design, in terms of finishes, technology, lighting, and needed to be upgraded. The classrooms needed improvements including electrical systems required for new technologies and/or energy saving measures, whiteboards, and ceiling systems. However, our scope only consists of upgrading the aesthetics of the classrooms.

Our Solution

According to OH academic calendar, the project had to be complete before the beginning of a full semester.

Hence, scheduling was essential for the completion of this project. The executed schedule consists of:

1. Completion day within 30 days
2. Hired multiple subs (2-3) to increase labor quantity for increased speed
3. Quality control, that consist of working around ongoing classes near the project site

Our Results

Working closely with the GC, sub-contractors, and the owner, we've successfully modernized the classrooms. This includes patching all holes in walls, fresh paint job, replacing rubber cove base, installing ceiling projectors, and touchscreen white boards



OUR ROLES

- Construction Management
- Scheduling & Estimation
- Sub-Contractors



Chicago Housing Authority - JOC

Renovation of 1-4 Bedrooms Make-Ready Units (Scatter Sites – 83 Units)

Summary

Provided CM Services and sub-contracting to JOC's contractor. A total of 83+ units were completely renovated for move-in to be occupied by Section-3 residents.

Challenge

CHA's make-ready units were a true test of Angstrom's core values. The conditions of these units varied from hazardous to moderate. Working w/ both experience and non-experience GC was also a challenge. Each property had different managers. Meaning that the management of the properties & their expectations varied across each site. To guaranteed excellent service and project fulfillment within 30 days, scheduling and quality

Our Solution

Angstrom's core duty was to help prime contractors estimate their projects (via eGordian), help them complete their punch-list, and most importantly make sure they pass their inspections. To complete huge bulk of units at once, Angstrom's key personnel was tasked of veing potential sub-contractors to help in the renovation of the make-ready units.

Our Results

After completion of the first 5 units, general pattern was used to complete all units.

1. Demolition
2. Electrical – (Note: Check for power, it is not unusual for a unit to have zero power)
3. Plumbing/HVAC – Installation of new fiings and fixture
4. Carpentry – (Note: Doors and Cabinets are usually the most time-consuming items, due to their lack of availability and the client's lack of flexibility.)
5. Painting
6. Flooring
7. Miscellaneous (Blinds, Combo-detector, bathroom accessories, general caulking)

OUR ROLES

- Construction Management
- Scheduling & Estimation
- Quality Control



PAST PROJECT

Housing Authority of Cook County

Demo and Install 3 Steel Staircase Balcony and 6 concrete porches

Summary

As prime contractors, Angstrom provided the complete renovation of Sunrise Apartments (6 row Houses), located in the town of Chicago Heights.

Challenge

The challenge here was to help the HACC choose a design layout for the staircase platform alongside a color theme. Also, coordinate the construction with residents who live in the property. Therefore, time and safety were our main priorities.

Our Solution

Angstrom's Key Personnel (Renduo Cheng) provided HACC with multiple landscapes renders to help the HACC's director choose the best option. After the design was final, permits were pulled, and our steel contractor began the demolition. Our solution to completing this project with the constraints of an occupied residence is to create a clear & precise safety plan and complete the project as fast as possible. Hence, as the platforms were being erected, our concrete contractors were re-installing fresh porches and sidewalks from right to left of the row houses.

Our Results

The new staircase platforms are 100% safe and are up to code with the local town. As an additional bonus, a landscape crew was hired to plant fresh grass, plants, and remove all imperfections from all the lawns. The purpose of this was to add an extra layer of beauty to the property and expose the new concrete walkways and porches.



OUR ROLES

- General Construction
- Design Services



PAST PROJECT

Housing Authority of Cook County

Renovation of 3 Units

Summary

As a prime contractor, 3 units were completely renovated for move-in to be occupied by Section-3 residents in Chicago Heights.

Challenge

The units were in terrible condition. Cabinets were destroyed, the bathroom was roed, more than 50% of the walls needed patch work, boarded windows, water leaks, and the HVAC system needed to be upgraded.

Our Solution

Understanding the condition of these units, attempting to obtain perfection is beyond the given timeframe for this project. Therefore, our goal is to make these units ready to move in and get them back to HUD's code and standards.

Three crews consisting of the following size were able to finish the job within 30 days:

- Crew 1: 2 Painters, 1 Laborer (3 Men)
- Crew 2: 2 Carpenters, 1 Laborer (3 Men)
- Crew 3: 1 Plumber, 1 Electrician (2 Men)

Our Results

All 3 units were painted one color, matching kitchen cabinets were installed w/ doors, new luxury vinyl flooring was installed, the HVAC system was upgraded, and a new ceramic tiling was installed in the bathroom.



OUR ROLES

- General Contractor



PAST PROJECT

East Lake Management Group, Inc.

Altgeld Garden Property – Scatter Sites – Make Ready Units (14 Units)

Summary

As a prime contractor, 14 units were completely renovated for move-in to be occupied by Section-3 residents in Chicago.

Challenge

The biggest challenge for this project was finding comprise with the client's scope of work. Due to poor material selection, the majority of the material in the specification was either out of stock or no longer is manufactured. Hence, there will no doubt be delays in meeting the client deadline date.

Our Solution

Due to supply chain issues, Angstrom provided ELM with alternative design layouts for their properties. The new layout will contain modern and ready-to-purchase material for the housing units.

Our Results

After the final acceptance of the new design layout, a modified scope of work was created, and Angstrom proceeded with remodeling all 14 units. Hence, modern cabinets, doors, bathroom vanities, and flooring were all installed according to HUD Standards.



OUR ROLES

- General Contractor
- Interior/Exterior Design Services



PAST PROJECT



IDOT/CTA

Chicago Greenline Elevated Rail Mass Transit Station

Summary

As Sub-Consultant to David Engineering LLC, we provided Structural Steel inspection, field erection inspection, to verify compliance with the approved QA/QC Plan.

Challenge

As a team, David Engineering LLC & Angstrom LLC, were responsible for project & document control for construction activities. We monitored, tracked, and approved contract quantities and material acceptance and inspection procedures. Provided oversight of federal and local compliance for material acceptance including type, sampling frequency and quantity, and approved documentation. Angstrom's key personnel performed structural steel inspection at the Indiana fabrication plant and field erection inspection. Tracked and logged, lot, batch, heat numbers, and mill certs. Ensured Buy America requirements were fulfilled. Led superstructure & civil construction Inspection.

Our Solution

Tracked and logged, lot, batch, heat numbers, and mill certs. Ensured Buy America requirements were fulfilled. Led superstructure & civil construction Inspection.

Our Results

Due to excellent management, the prime contractor and sub-contractors were able to erect the superstructures safely.



OUR ROLES

- General Contractor
- Interior/Exterior Design Services



PAST PROJECT



Chicago Transit Authority

IDOT/CTA

95th Street Rail Mass Transit Station

Summary

To ensure a safe installation of the new 95th Street Rail Transit Station, the material must be inspected for flaws, damages, cracks, and most importantly can last at least 100 years. Hence, Angstrom LLC provided structural steel inspection services,

Challenge

Angstrom's Quality manager was responsible for the reviewing of chemical and mechanical properties for adherence to specifications and tolerance. We Ensured plant, shipping, storage, and erection methods were in compliance with the approved QA/QC plan. This consists of reviewing 100s of CAD Drawings and testing the material at the Indiana fabrication shop.

Our Solution

Bolt Torque testing, tracked and logged, lot, batch, heat numbers, and mill certs. Ensured Buy America, FHWA, IDOT, and CTA requirements were fulfilled. Led superstructure & civil construction Inspection.

Our Results

Successfully tested and log all material that was installed into construct the superstructure known as the 95th Street Rail Mass Station.



OUR ROLES

- Construction Management
- IDOT Documentation of Contract Quantities
- Sub-Consultants
- Material Testing and Inspection





PAST PROJECT

Maricopa County DOT JOC

95th Street Rail Mass Transit Station

Summary

Along side David Engineering, Angstrom provided on-call CM services for Job Orders provided by MCDOT.

Challenge

Our service consists of monitoring consultants & contractor utilization, payments, regulatory compliance, change orders, and contract expirations.

Our Solution

To ensure that the prime contractors complete their scopes on time, weekly & monthly status reports were created and delivered to MCDOT.

Our Results

Thanks to Angstrom's high-quality scheduling, we successfully met the client's deadline completion date. Also, the punch-list was at a very minimum thanks to our quality control plan.



OUR ROLES

- Construction Management
- Quality Control
- Safety Management



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Our Step-by-Step Methodology to Execute the JOC Contract

Over the years, we've refined our JOC contract execution methodology, and we continue to do so. In the following sections, we will explain how well placed we are to deliver outstanding services per the specifications defined by the CCOG.

Task 1. Our Contribution towards drafting SOW for the Job Order

Activities

1.1. ANGSTROM team will Liaise and schedule meeting with the client's Project Manager and the project team.

1.2. Our team will participate in intellectual discussions with the scope authors, architects, and engineers.

1.3. Our team will suggest changes/improvements/enhancements to the SOW.

1.4. Following key members of ANGSTROM will participate in the discussion sessions.

GHAZI MUHAMMAD: Ghazi will contribute especially towards mechanical and engineering aspects of the Job Order.

Antonio Richardson: Antonio will share her assessments on the construction, estimates, and civil aspects of the Job Order

RENDUO CHENG: Cheng will add his input regarding the design, layout, and overall outlook of the structure.

BABATUNDE O. OLUKOYE: Babatunde will offer energy and building engineering-related expert recommendations.

1.5. Our team will record meeting minutes.

Responsibilities of Client

- Schedule initial project start-up meeting between the County's project representative(s) and ANGSTROM.
- Provide scopes, specifications, and a list of key local contacts.
- Review and approve revised work plan and timelines, as necessary.

Deliverables by ANGSTROM

- Ensure the presence of the ANGSTROM project team in the meeting.
- Suggestions to the Scope of Work (SOW) for the Job Order based on the input from the Project Officials.

Task 1. Our Contribution towards drafting SOW for the Job Order

Activities

2.1 Before preparing a price proposal, the ANGSTROM team will conduct a site visit.

2.2. Additionally, the team assesses the job order's actual quantum. Our expert team members calculate pivotal engineering, mechanical and environmental factors at the job site.

2.3. Site visit will be carried out by the following key members of the ANGSTROM team;

Project Manager, Raymond Weah, will be reviewing the overall project scope.

b. Chief Estimator, Antonio Richardson, will be taking notes to build estimates using eGordian

c. Chief Estimator or Project Manager may consult sub-contractors for domain specific information.

The team will collect the CSI numbers.

The team will start working on the price proposal.

2.4. Subsequent site visit (if needed) will be carried out by the ANGSTROM team alongside representatives of our licensed sub-contractors, for a better understanding of the job to execute.

2.5. The team will take notes and will initiate the estimate preparation process.

2.6. The team constantly refers to the Construction Task Catalog®, for an accurate estimation and price proposal process.

Responsibilities of Client

- Provide feedback on queries by the Angstrom team on Job orders.

Deliverables by ANGSTROM

- The initial draft for the price proposal document.

Task 3. Approach for Submittal of Proposal

Activities

3.1. Based on the input from the previous tasks, the ANGSTROM team will develop a comprehensive price proposal, via eGordian.

3.2. Our Project Engineer, Babatunde o. Olukoye, will acquire all technical requirements from the

contract document. The team concentrates particularly on fulfilling the requirements laid in the contract documentation.

3.3. Our Construction Scheduler, Babatunde, along with his team will create a detailed schedule in Primavera.

a. The schedule will show timelines of all activities from start to finish.

b. We will use the Critical Path Method to schedule the activities.

3.4. Our Designer, Renduo Cheng, will create 3–5 complete 3D models (using Autodesk Revit) for the Job Order.

- The 3D model will show Cook County's staff our expected project design results.
- The model will show all the facilities (as per Job Order) and the selected materials (most relevant) from the suppliers.
- These CAD drawings from the model will be used in our BIM process (Building Information Modeling) to support the communication stream between the Project Manager & subcontractors.
- The BIM will provide an additional layer of information to the client's Project Manager and his team to preview the results, well in advance.

3.5. The submittal will be shared for review and approval from the client's Project Manager. The proposal will be submitted via eGordian platform.

Responsibilities of Client

- Review and comment on submitted proposal.
- Review and comment on the 3D and BIM designs.
- Approve the eGordian proposal.

Deliverables by ANGSTROM

- Draft and submit (via eGordian) the Proposal for the Job Order.
- Make changes to the price proposal as per recommendations from Job Order's Project Manager.
- Build and share the 3D drawings and BIM designs.

Task 4. Receipt of NTP – Conduct Pre-Construction (Kickoff) Meeting

Activities

4.1. As the NTP is received, the ANGSTROM team will conduct a pre-construction (or kickoff) meeting.

4.2. A meeting agenda is prepared and shared with the key stakeholders that include the following items;

- Tentative project timelines
- Inbound and outbound areas for parking and storage.
- Work schedule (work time, workdays, off time).
- Identification of Project Engineer and other responsible people.
- Dump points for scrap material.

Responsibilities of Client

- Attend the pre-construction meeting.
- Discuss and comment on agenda items.
- Give requisite approvals.

Deliverables by ANGSTROM

- Draft and submit the pre-construction meeting agenda.
- Readiness for work commencement.
- Align workforce, material, and other resources.
- Conduct the meeting and record minutes.

Task 5. Work Commencement after Receipt of NTP

Activities

5.1. The ANGSTROM construction team will start working on the Job Order after receipt of NTP.

5.2. Our designer, Renduo Cheng, may rediscuss the finalized 3D designs (if needed).

5.3. ANGSTROM will order materials based on the Job Order requirements.

5.4. Job Order activities will be carried out as per plan.

5.5. Each activity will be monitored for time and quality as per ANGSTROM proprietary process.

5.6. Any change/issue/problem in the execution of the planned activity will be immediately escalated to the client's Project Manager.

5.7. A mutual agreement will be made on all such divergences (if any).

5.8. Our Project Manager, Antonio Richardson, will keep the client's Project Manager and his team updated about the Job Order progress.

5.9. Digital images of work progress are also shared with the county's team.

Responsibilities of Client

- Give necessary approvals (wherever needed).

Deliverables by ANGSTROM

- Execute Job order activities as per plan.
- Maintain quality and ensure timelines are met.

Task 6. Draft and Submit Safety Plan

Activities

6.1. Our Safety Manager, Said Sanni, along with his team will create a detailed safety plan.

a. The plan will outline the procedures, rules, and regulations that are or will be put in place to protect workers over the course of this Job Order.

6.2. The safety plan will be presented and submitted to the client's Project Manager.

6.3. The Safety Manager will ensure that the safety plan is flexible enough to readily adapt to any possible on-site changes.

Responsibilities of Client

- Review and comment on the submitted safety plan.
- Approve the safety plan.

Deliverables by ANGSTROM

- Draft and submit the Safety Plan for the Job Order.
- Make changes to the plan as per recommendations from Job Order's Project Manager.

Task 7. Our Approach for Expeditious and Successful Project Closure

Activities

7.1. ANGSTROM has a comprehensive quality plan that ensures that each activity of the Job Order is completed as per required standards.

7.2. Our Project Engineer, Babatunde o. Olukoye, and his team will keep track of each job activity.

7.3. Our Project engineering team will hold regular meetings with our suppliers, contractors, subcontractors, and regularly review/check work quality.

7.4. Project Engineering and Project Management teams will work together to ensure top-notch work quality.

7.5. The proprietary workflow of our quality plan guarantees that the punch list is nearly zero or very minimalistic.

7.6. Our Project Manager, Antonio Richardson, and the team will ensure that well-defined documentation for every completed activity of the Job Order is completed.

Responsibilities of Client

- Review quality plan/documentation.
- Comment and discuss job execution activities.
- Provide input for the punch list.

Deliverables by ANGSTROM

- Submit Quality Plan for the Job Order Activities.
- Draft and keep tracking of the punch list.
- Correct the punch list (if applicable)

Task 8. Weekly Review Meetings – Integral Part of Our Quality Plan

Activities

8.1. Conduct a review meeting every Monday and Friday with the client's Project Manager and team.

8.2. Our Safety Manager, Saad Sanni, will present safety standard adherence of the ongoing work.

Explain how the project is following OSHA & EPA's compliance.

8.3. Our Project Engineer, Babatunde o. Olukoye, and Project Scheduler, Ezra Emmons, will lead the meeting afterward.

8.4. The team will highlight the vital facets while explaining the progress.

8.5. For any outstanding matter, the ANGSTROM team will discuss, suggest and seek approval from the client.

8.6. Minutes of Meetings will be crafted and shared with the client's Project Manager.

Responsibilities of Client

- Attend the review meeting and provide useful input.
- Give necessary directions or approvals (if needed)

Deliverables by ANGSTROM

- Updates about work safety and work progress.
- Minutes of the meeting.

Task 9. Project Close-out Documentation

Activities

9.1. ANGSTROM acknowledges the importance of a well-managed project close-out documentation. Our project management process ensures adequate documentation at each step. It assists our team in developing comprehensive documentation set in a minimum time bracket, which would otherwise have taken a lot more time and effort.

a. The purpose of the Project Closure document is to formally close a project and authorize the handoff from project to operations.

b. Our documentation includes final information about the project deliverables, scope, milestones, and budget, as well as lessons learned.

9.2. The document set will be compiled by our Lead Project Manager, Ghazi Muhammad, and his team. Key elements of our project close-out document are;

a. Certificate of Substantial Completion. o Inspection Certificates.

e. Certificate of Occupancy. o Completed Punchlist.

g. Final Pay Applications. o Design Team Approvals.

Responsibilities of Client

- Review the submitted close-out documentation. Suggest changes (if any).
- Give approvals (wherever needed).

Deliverables by ANGSTROM

- Submit detailed project close-out documentation as per job order.
- Get approvals from the client's project manager.

MBE/WBE/DBE/SBE MANAGEMENT PLAN

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MBE/WBE/DBE/SBE Management Plan

ANGSTROM is a minority-owned, Architecture, Design, and Build firm having a highly committed team of technically sound and thoroughly experienced professionals. ANGSTROM has established a policy to ensure that ANGSTROM (its contractors and subcontractors) maximize opportunities for MBE participation. To fulfill this, ANGSTROM encourages its subcontractors to engage in ventures with MBEs, to include MBEs as subcontractors, to engage MBE tradesmen on priority, seek and utilize information on MBE participation from ANGSTROM, and to undertake other initiatives that enhance opportunities for MBEs.

List of MBE/WBE/DBE/SBE Sub Contractors

- ANGSTROM has partnered with the following MBE/WBE/DBE/SBE Sub Contractors.
- G&V Electrical Contractors Inc, (M/DBE,SBE)
- JK Plumbing (M/DBE, SBE)
- T-Mechanical Inc (M/DBE, SBE)
- Allende Drywall (M/DBE, SBE)
- Assert Development Series LLC (M/W/D/BE, SBE)
- Mundo Electric Co (M/DBE,SBE)
- JT Painting (WBE)
- Obed Cleaning (WBE)
- Star & Crest Decorating (M/W/D/BE,SBE)
- Banks Masonry Construction (M/DBE)
- Sandoval Fences (M/DBE,SBE)
- C & A Carpet Installers (M/DBE,SBE)
- New Age Technology (WBE)
- Much Better Painting Inc. (M/DBE,SBE)



Commitment towards Achieving MBE/WBE/DBE/SBE goals

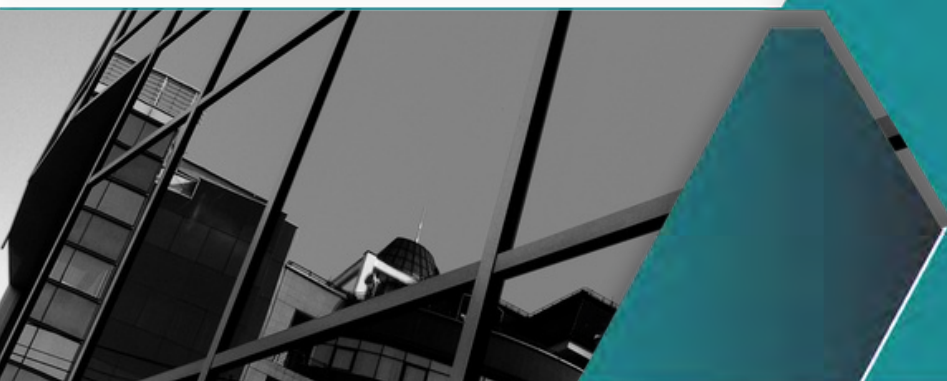
As a M/DBE, ANGSTROM is fully committed to achieving the goals set forth in this solicitation and feel that these goals are very much achievable.

We've already partnered with 10+ such enterprises and amongst those 5+ have proven experience in delivering JOC contracts successfully.

For instance, our partner and sub-contractor **David Engineering LLC** is a locally owned certified Small Business (SB) and Disadvantaged Business Enterprise (DBE) certified through Caltrans, DGS, and LA Metro. And is an active member of the Job order Contracting Association.

Our workforce is highly skilled, qualified, motivated, and dedicated to service. We are confident that we can guarantee all stages of the work while producing a superior product and fulfilling all expectations for this project. We are also committed to hiring 25% minority businesses and 10% women-owned businesses for this project. We believe that with this combination of talented workforce and commitment to customer satisfaction, we are the most qualified team for this project.

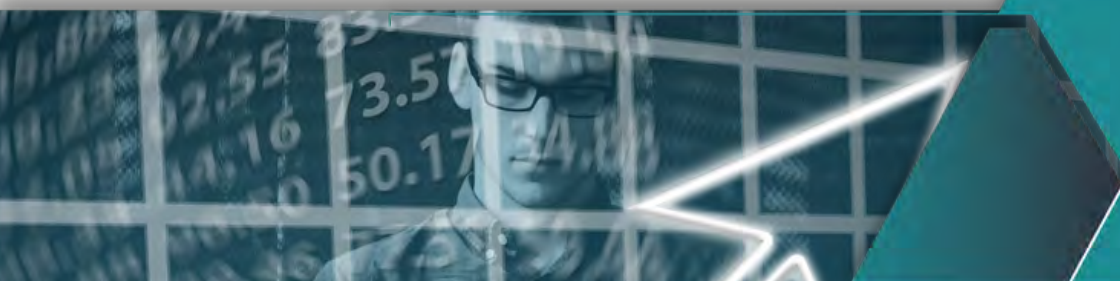
In comparison to non-MWBE suppliers, we understand that hiring a minority or woman-owned business enterprise provides you with greater flexibility and costs savings. We're prepared for these partners to provide you with high-quality products and services for this project as well as make an impact in the community.



Recently Completed Projects

Mentioned below is a list of our recently completed projects involving MBE and WBE.

#	CLIENT	MBE PROJECTS	PROJECT AMOUNT	START DATE	COMPLETION DATE	MBE %	WBE %	REQ. MET
1.	Housing Authority of Cook County	Exterior Renovation of Sunrise Apartment	\$116,451.00	06/03/2020	29/08/2020	25	10	YES
2.	Housing Authority of Cook County	Interior and Exterior Renovation of 3 Units (IDIQ)	\$93,343.93	10/06/2020	10/10/2020	25	10	YES
3.	Housing Authority of Cook County	Interior and Exterior Renovation Units (Scattered Sites)	\$18,150.00	14/11/2020	19/12/2020	25	10	YES
4.	City Colleges of Chicago	Malcom X College: 4th Floor Renovation	\$50,176.86	16/01/2021	13/02/2021	25	10	YES
5.	Illinois Central Management Services	Demo And Install Flooring in the DCFS OFFICE	\$31,250.00	15/06/2021	29/06/2021	25	10	YES
6.	East Lake Management	Interior and Exterior Renovation of 4 Units	\$70,500.00	26/06/2021	24/07/2021	25	10	YES
7.	East Lake Management	Interior and Exterior Renovation of 10 Units	\$130,500.00	26/06/2021	24/07/2021	25	10	YES
8.	East Lake Management	Interior and Exterior Renovation of 5 Units	\$86,600.00	31/07/2021	21/08/2021	25	10	YES
9.	The Habitat Company	Rober Lawrence Property Renovation of 6 Units	\$90,169.14	07/08/2021	04/09/2021	25	10	YES
10.	The Habitat Company	Mary Catherwood Property Renovation of 5 Units	\$49,043.75	29/08/2021	26/09/2021	25	10	YES
11.	The Habitat Company	Patrick Sullivan Property Renovation of 8 Units	\$74,643.62	21/09/2021	30/10/2021	25	10	YES
12.	Hispanic Housing Development Company	Mary Catherwood Property II Renovation of 5 Units	\$75,000.00	20/11/2021	18/12/2021	25	10	YES
13.	Manage Chicago Inc.	Altgeld Garden II Renovation of 5 Units	\$76,643.38	13/11/2021	23/12/2021	25	10	YES
14.	The Habitat Company	Mahalia Jackson Property Renovation of 5 Units	\$87,147.50	06/11/2021	11/12/2021	25	10	YES



Apprenticeship Training Program

Our people are our most important resource, we value our people, their commitment, and the positive culture they create.

We look to create an inclusive and rewarding environment, we have a great range of benefits to support and reward our team. We're always looking to recruit and develop talented people who are committed to giving a great service to our learners and employers.

We focus on continuous professional development and invest heavily in our internal apprenticeship program as well as a wide range of training to develop our team's skills and keep them current so they can deliver a great service.

At ANGSTROM, we are always trying to better the way we work for our employees, apprentices, traineeships, contractors and subcontractors.

Proof of Certification

The United States Department of Labor

Office of Apprenticeship

Certificate of Registration of Apprenticeship Program

ANGSTROM, LLC

Chicago, Illinois

For The Trade(s) of: Carpenter & Painter

*Registered as part of the National Apprenticeship System
in accordance with the basic standards of apprenticeship
established by the Secretary of Labor*

March 16, 2021

Date

2021-IL-81448

Registration No.



John V. Ladd

Administrator, Office of Apprenticeship



KEY PERSONNEL

KEY PERSONNEL

Introduction

A Construction Management Plan ('CMP') is necessary to ensure construction, demolition, and excavation on building sites do not adversely affect health, safety, amenity, traffic, or the environment in the surrounding area. The CMP is a key component of our mandatory Integrated Management System (IMS) that embodies ISO 9001:2000 Quality Management Systems, ISO 14001 Environmental Management Systems, and our Safety Management System, which complies with the requirements of OHSAS 18001. This CMP outlines the Construction Management plan for the construction of the proposed projects in Cook County, Illinois. In a step-by-step manner, this plan documents ANGSTROM's overall construction planning at the Planning Application stage for the works defined in the job order. For the best possible outcomes, ANGSTROM is willing (and always recommends) to discuss our proposed scope of work (SOW) and CMP with the County's Project Officer to optimize how these tasks may best meet the needs and expectations of the County. Meet The

Meet The ANGSTROM Team

KEY JOC SERVICE STAFF

Ghazi Muhammad

Contract Manager LEED Specialist

Ghazi Muhammad, LEEDAPBD+C, has a decade of experience in project engineering, quality monitoring, energy consulting, contract administration, and inspection for private and public projects in Illinois. He has worked in rehabilitating dwelling and non-dwelling properties for over 8 years, in the city of Chicago. He is a certified LEED APBD+C by the U.S. Green Building Council. His knowledge and experience as a Green-Sustainable Engineer will give the Chicago Housing Authority an eco-friendly inclined set of eyes that can review and inspect the remodeling of all the scattered-sites homes. Also, he has worked on many types of projects including hotels, public libraries, senior citizen homes, and section 3 housing. (See attached Resume)



KEY PERSONNEL



Babatunde Olukoye

**Senior Material Coordinator
Quality Control Engineer Superintendent**

With over 24 years of experience, Babatunde Olukoye has served as Quality Manager and Materials Coordination from inception to project closeout for numerous mid, and large-scale construction projects for the Chicago Department of Transportation, Illinois Tollway, Illinois Department of Transportation. Responsibilities mainly included monitoring and successful incorporation of approved materials in the construction stream. He has worked on a variety of projects from industrial to residential. This includes bridges, roadways, tollways, highways, building facilities, hotels, senior homes, scattered-sites, etc. Babatunde also has served as Resident Engineer on many mid-scale projects where often he performs the material coordination also. This dual benefit of having project management and materials coordinator/inspection experience gives the CPS the added benefit of improving communication terminals. This results in minimizing discrepancies due to gaps in understanding. Babatunde also correlates with our safety engineer to stay in compliance with OSHA. (See attached Resume)



Renduo Cheng

Project Manager and Senior Architect

Renduo Cheng has 7 years of experience in project management, contract administration, inspection, plan review, construction administration, utility coordination, constructability reviews, and not to mention designing multi-family homes in AZ, CA, and IL. He is certified under the Southern California Institute of Architecture. Hence his expanded knowledge in AIA, EPA, ADA, ANSI and vast design skills will help in compliance with the CTA specification & scope of work. Also, help minimize the accumulation of Change of Orders on a project. Renduo will work close with Ghazi Muhammad for any LEED Certification Project's CPS might have for their scatter-sites. (See attached Resume & Portfolio).

KEY PERSONNEL



Said Sanni

Safety Manager Superintendent

Said led the coordination of all mid-western safety practices and oversaw the implementation of Angstrom's safety program during projects for state/ federal clients. Along with being PMP certified, Said is also Six Sigma certified as well and has proven true understanding and ability to carry out his duties. He will continue in the same important role for this project. He has also worked on JOC projects for Cook County, Chicago, Maricopa County, and DuPage County. He was responsible for ensuring that every person knew their responsibilities, he would also deal with disciplinary procedures, and he would have investigated accidents had any occurred.

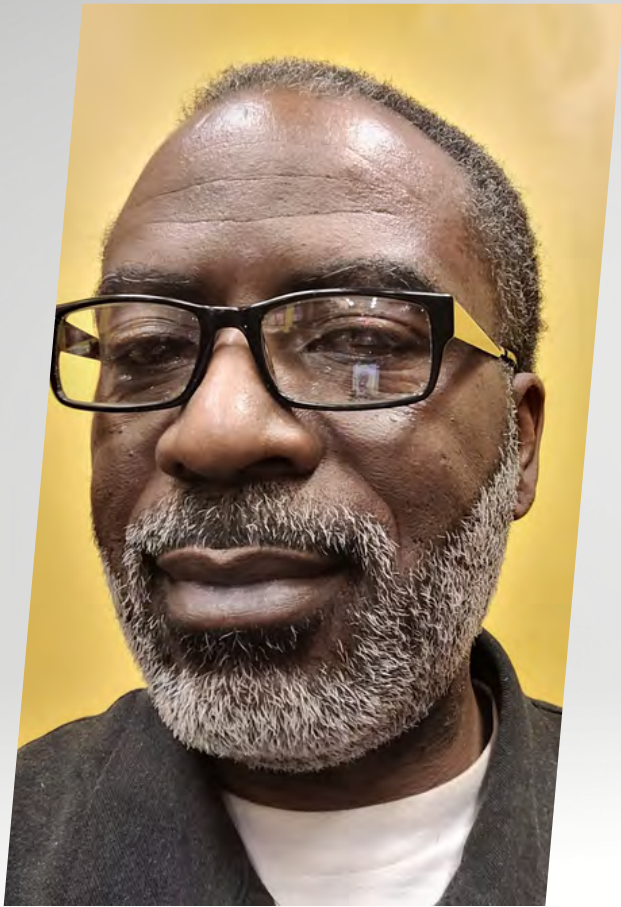


Ezra Emmons

Project Engineer Estimator

Ezra Emmons has 10 years of experience in a few roles including project management, quality assurance, budgeting, scheduling, skills, and safety training, inspecting job sites for safety, and building codes /regulations. Ezra's expertise is in indoor renovations and he has completed projects for the City Colleges of Chicago and the CHA. Ezra's ability to efficiently complete every phase of the project up to the levels expressed in the scope of work and expectations pages makes him very valuable because he makes sure all personnel are kept informed and meet their goals. (See attached Resume for more information).

KEY PERSONNEL



Antonio Richardson

Project Engineer Estimator

Antonio Richardson is one of our outstanding assets. With 30 years of experience in Construction management, he has seen it all. Antonio's diverse exposure in every industry in construction will play a key role in this contract. Antonio, will be the second command under our superintendent. But key roles will be estimating, RFIs, as-built drawings, and maintaining schedules. His advanced project management skills will be required for new construction or exterior renovation projects.



Ghazi Muhammad

Contract Manager LEED Specialist

Ghazi Muhammad has 10 years of experience managing projects specifically related to JOC Programs. He holds a Master of Science in Mechanical, Material Science, and Aerospace Engineering from the Illinois Institute of Technology. He has experience in project management, estimation, safety management, general contracting, LEED design, energy modeling, renovation projects, and ArcGIS Online capabilities.

EDUCATION

- B.S Mechanical Engineering
- B.S Aerospace Engineering
- B.S Material Science and Engineering
- Illinois Institute of Technology

SPECIALTIES

- Engineering Project Management
- Estimating Safety AutoCAD
- ArcGIS

YEARS OF EXPERIENCE

- 10

PROFESSIONAL EXPERIENCE

Project Manager 2017–Present

City Colleges of Chicago/JOC program for remodeling and renovation of a school library: Ghazi oversaw the demolition and remodeling of the library. Ghazi worked closely with engineers and architects to develop plans, hire subcontractors, and determine labor and material costs. On top of his normal managerial duties, Ghazi also helped the City Colleges of Chicago's clients reach their LEED requirements during the design phase, and he also provided his energy consulting services. We were able to help reduce energy consumption through mechanical design. He worked with our HVAC contractor to safely design a brand-new mechanical system for the client's improved library.

Project Manager 2016–2019

Chicago Housing Authority JOC program for the rehabilitation of various Multi-Unit homes in Chicago: Ghazi worked with the property owner, the CHA, the engineers, and our team of subcontractors to maintain and manage the scope of work in order to deliver the completed finish project. Ghazi managed the payments, the progress schedule, prepared legal documentation, and created and maintained a safe working environment for all phases of Multi-Unit construction projects. During Ghazi's time on the contract, he served as the project manager for over 100 units.

Project Manager 2014–2017

Maricopa Country JOC program new construction of Maricopa facilities: Ghazi's first key task was to work with Maricopa County, our team of architects to design and develop a plan which executed a project that meet the program's needs, technical requirements, and vision



Said Sanni

Safety Manager, Superintendent

Said Sanni's unique experience makes him a very valuable member of our team. Said has 9 years of experience as a superintendent on JOC program projects and for the past 5 years has served as a safety captain and as a quality control engineer for Angstrom as well. Said Sanni has a Master of Engineering in mechanical engineering from Manchester University.

EDUCATION

- **Dual Master of Science:**
Mechanical and Aerospace Engineering
- Illinois Institute of Technology
- Manchester University

SPECIALTIES

- Safety Coordination
- Incident Investigation
Management of Safety Programs
- Safety Audits GC Construction Best Practices
- Project Supervision OSHA 30

YEARS OF EXPERIENCE

- 9

PROFESSIONAL EXPERIENCE

Superintendent, Safety Manager 2017–Present

City Colleges of Chicago/ JOC program for remodeling and renovation of a school library: Said was responsible for the daily supervision of this project and for many other projects for the CCC. Said was part of a team of superintendents because he also managed all health and safety issues at many job sites. Said oversaw the training, execution, and auditing of safe work procedures, coordination of incident investigation, execution of injury prevention plans, and created safety goals. Said made schedules with subcontractors and vendors. He would maintain daily reports, review submittals, coordinate RFI's. ensure sites were in compliance with OSHA guidelines and attend weekly owner meetings.

Superintendent, Safety Manager 2016–2019

Chicago Housing Authority JOC program for the rehabilitation of various Multi-Unit homes in Chicago: Ghazi worked with the property owner, the CHA, the engineers, and our team of subcontractors to maintain and manage the scope of work in order to deliver the completed finish project. Ghazi managed the payments, the progress schedule, prepared legal documentation, and created and maintained a safe working environment for all phases of Multi-Unit construction projects. During Ghazi's time on the contract, he served as the project manager for over 100 units.

Superintendent, Safety Manager 2014–2017

Maricopa Country JOC program new construction of Maricopa facilities: Ghazi's first key task was to work with Maricopa County, our team of architects to design and develop a plan which executed a project that meets the program's needs, technical requirements, and vision



Babatunde Olukoye

**Senior Material Coordinator
Quality Control Engineer Superintendent**

Babatunde Olukoye's diverse skills and experiences which he has garnered for himself in his 24 years of construction projects and JOC program projects means that he can fill several positions for Angstrom if needed. Babatunde's responsibilities can fluctuate from project to project depending on what our team needs his support as or with. He received an M.S. in Mechanical Engineering and has Bachelors in Energy System Engineering and Building Engineering where he gained a broad spectrum of experience in construction technology, construction management, mechanical design, and sustainable energy systems. His previous 6 years of work have been with Angstrom, but previously he worked as a Project Manager and as a Mechanical Engineer for a few Railroad companies.

EDUCATION

- **BACHELOR OF SCIENCE:**
MECHANICAL ENGINEERING
Illinois Institute of Technology
- **MASTER OF SCIENCE:**
ENERGY SYSTEMS
Malardalen University
- **BACHELOR OF SCIENCE:**
BUILDING ENGINEERING
University of Lagos

SPECIALTIES

- Safety Coordination
- Incident Investigation
Management of Safety
Programs
- Safety Audits GC Construction
Best Practices
- Project Supervision OSHA 30

YEARS OF EXPERIENCE

- 9

PROFESSIONAL EXPERIENCE

Project Manager, Senior Material Coordinator, Quality Control Engineer, Superintendent 2017–Present

City Colleges of Chicago/JOC program for remodeling and renovation of a school library: Babatunde created a construction schedule that was tracked and updated daily with a constant monthly look ahead to ensure timely completion of projects. He was part of the initial project estimating as well as the qualifying subcontractors. Babatunde attended monthly budget meetings and handles subcontractor invoices.

Project Manager, Senior Material Coordinator, Quality Control Engineer, Superintendent 2016–2019

Chicago Housing Authority JOC program for the rehabilitation of various Multi-Unit homes in Chicago: Babatunde coordinated the flow of materials, parts, and assemblies between sections of the worksite during all phases of Multi-Unit construction projects. He computed the amount of material required to complete job orders, applying his deep knowledge of product and manufacturing processes. Babatunde oversaw maintaining material inventory, in- process production reports, and status and location of materials.

Project Manager, Senior Material Coordinator, Quality Control Engineer, Superintendent 2014–2017

Maricopa County JOC program new construction: Babatunde worked with Maricopa County, our team of architects to design and develop a plan which executed a project that meets the program's needs, technical requirements, and vision of the property owner. He also maintained logs on all project activities and walked daily to monitor activities and assist in future planning.



Renduo Cheng

**Project Manager, Senior Architect,
Interior Designer**

Renduo Cheng is our Architect. He has experience with multi-unit low-rise and mid-rise projects, construction administration, architectural detailing, commercial building standards, zoning/building codes. He has demonstrated high proficiency in BIM software including Revit, CAD, Rhino, Grasshopper, Maya, Sketchup, Illustrator, InDesign, and Photoshop. Renduo earned his Master of Architecture degree from the Southern California Institute of Architecture. Prior to working on our team Renduo made physical models, produced site plan drawings, and performed site investigation for PAR Architects.

EDUCATION

- **Southern California Institute of Architecture:**
Master of Architecture

SPECIALTIES

- Design Houses
- Buildings
- Skyscrapers
- Landscapes
- Civil Engineering
- Construction Management
- Project Management
- Urban Planning
- Interior Design

YEARS OF EXPERIENCE

- 9

PROFESSIONAL EXPERIENCE

Project Manager, Senior Architect, Interior Designer 2017–Present

· City Colleges of Chicago/JOC program for remodeling and renovation of a school library: Renduo worked closely with the property owner, the CCC, the contract manager, and other lead architects several times to learn the clients' objects, budget, and specific requirements. Renduo and his team of architects developed and finalized construction plans for systems pertaining to plumbing systems, communication and heating, electrical, ventilation, and structural systems. Renduo followed all building codes, fire regulations, zoning laws, and city ordinances.

Project Manager, Senior Architect, Interior Designer 2016–2019

· Chicago Housing Authority JOC program for the rehabilitation of various Multi-Unit homes in Chicago: Renduo consulted with the Project managers during the initial phases of the project to ensure the multi-unit home renovation projects were considering modern architectural styles. Renduo lead a small team whose responsibilities included improving the interior spaces to meet the budget and interests of the owners, and he made sure the project was finished in accordance with the timeline and budget. Renduo was able to improve all aspects of the space, including color, lighting, textures, furniture, and spatial relationships.

Architect, Interior Designer 2014–2017

· Maricopa Country JOC program new construction of Maricopa facilities: Renduo and his team of Architects used computer-aided drafting systems, building modeling, energy modeling, knowledge of LEED standards, and other relevant technologies to conceptualize and experiment with different construction approaches for the 4 Maricopa County Facilities. Renduo initially made models, worked through budgeting plans, and ultimately produced the final site plans for construction.



Ezra Emmons

Project Engineer

Ezra Emmons has 10 years of experience in a few roles including project management, quality assurance, budgeting, scheduling, skills and safety training, inspecting job sites for safety, and building codes/ regulations. Ezra's expertise is in indoor renovations and he has completed projects for the City Colleges of Chicago and the CHA. Ezra has a dual Master of Science degree in both Aerospace and Mechanical Engineering.

EDUCATION

- **Dual Master of Science:**
Mechanical and Aerospace Engineer
- Illinois Institute of Technology
- Project Management Professional

SPECIALTIES

- Mechanical Engineering
- Project Management
- Quality Control Engineer
- Safety Compliance Estimating

YEARS OF EXPERIENCE

- 10

PROFESSIONAL EXPERIENCE

Project Engineer, Estimator, Project Manager 2017-Present

City Colleges of Chicago/JOC program for remodeling and renovation of a school library: Ezra assisted project managers with the overall daily project responsibilities such as preparing project schedules, ensuring safety and security of each job site, organizing and overseeing all on-site work being done by subcontractors. Ezra had a thorough understanding of project specifications, including site drawings, addenda, on-site procedures, and potential code violations, bringing any on-site issues to the attention of the project manager in a timely manner.

Project Engineer, Estimator, Project Manager 2016-2019

Chicago Housing Authority JOC program for the rehabilitation of various Multi-Unit homes in Chicago: Ezra utilized project management software to provide real-time data so that the project management team could make timely and informed decisions. Ezra managed the procurement schedule for projects. That involved tracking, expediting and processing all subcontractor/vendor show drawings and submittals through the approval process to ensure that equipment and materials were delivered to the job when required

Project Engineer, Estimator, Project Manager 2014-2017

Maricopa Country JOC program new construction of Maricopa facilities: Ezra tracked owner and subcontractor change orders and assisted the project team in building/maintaining project schedules. He performed schedule updates regularly with the project team.



Antonio Richardson

Project Engineer Estimator

Antonio Richardson is one of our outstanding assets. With 30 years of experience in construction management, he has seen it all. Antonio's diverse exposure in every industry in construction will play a key role in this contract. Antonio, will be the second command under our superintendent. But key roles will be estimating, RFIs, as-built drawings, and maintaining schedules. His advanced project management skills will be required for new construction or exterior renovation projects. Antonio has an M.S.

EDUCATION

- **Master of Science**
Construction Engineering
Management Illinois
Institute of Technology

SPECIALTIES

- Mechanical Engineering
- Project Management
- Quality Control Engineer
- Safety Compliance Estimation

YEARS OF EXPERIENCE

- 30

PROFESSIONAL EXPERIENCE

Project Engineer, Estimator 2017-Present

City Colleges of Chicago/JOC program for remodeling and renovation of a school library: Antonio prepared clear detailed quantity takeoffs for a specified scope of work. He prepared estimates using estimating software. He understands the use of work breakdown structure, completed estimating tasks in a timely manner, obtained budget pricing from manufacturers and subcontractors.

Project Engineer, Estimator 2016-2019

Chicago Housing Authority JOC program for the rehabilitation of various Multi-Unit homes in Chicago: Antonio assisted in coordinating the flow of materials, parts, and assemblies between sections of the worksite during all phases of Multi-Unit construction projects. He computed the amount of material required to complete job orders, applying his deep knowledge of product and manufacturing processes. Antonio ensured safety and security at each job site where work was brought done but subcontractors.

Project Engineer, Estimator 2014-2017

Maricopa Country JOC program new construction of Maricopa facilities: Antonio scheduled subcontractors, consultants, and vendors in the critical path to ensure timely completion. He also performed quality control duties and responsibilities regarding the work being performed. Said always maintained daily logs on all project activities and walked all units daily to monitor activities and assist in future planning.



Organizational Chart

ORGANIZATIONAL CHART

ANGSTROM, proposed project team offers key skill sets, knowledge, and experience that we believe will significantly contribute to the successful outcome of the success of this project. Each and every member of our team has proven experience in providing JOC services, estimation, scheduling and modeling, dealing with subcontractors, code compliance, site work, environmental factors, project closeout, and deep knowledge about the steps taken in new construction. This makes Angstrom's services like none of our competition because at Angstrom we have workers who specialize in more than one field, so there is no chance that only one person will know how to do any part of the technical design and implementation. Our methods have been successfully deployed in past engagements with a wide variety of organizational stakeholders, administrators, program directors, local partners, and other affiliated organizations.

Ghazi Muhammad – Contract Manager / LEED Specialist

Ezra Emmons – Project Engineer

Babatunde Okoyle – Project Manager / Material Coordinator / Scheduler

Said Sanni – Safety Manager / Superintendent

Rendou Cheng – Project Manager

Antonio Richardson – Project Engineer / Estimator

All of Angstrom's key personnel have the option to also be project managers. This is due to their unique experience in the fields of construction and engineering. It is highly recommended to view our key personnel resume section. We recognize the ultimate strength of any project we conduct depends on the qualifications and abilities of our project team as well as the structure and organization of it. The organizational structure of the team is presented below



ANGSTROM

DESIGN + BUILD



Ghazi Muhammad, LEED AP: BD+C
Contract Manager

www.angstromdesignbuild.com

gmuhammad@angstrom360.com

(913) 972-6779

4455 S. Martin Luther King Drive Suite 101B,
Chicago, Illinois 60653



February 8, 2022

Re: Angstrom, LLC dba Angstrom 360

Project: Prequalification

To Whom it May Concern:

Angstrom, LLC dba Angstrom 360 is currently bonded by Philadelphia Indemnity Insurance Company and is an account in good standing. Philadelphia Indemnity Insurance Company is rated by A.M. Best as an "A++" (Superior) and "XIV" financial size. Philadelphia Indemnity Insurance Company has a Certificate of Authority from the Department of Treasury with an underwriting limitation of \$236,948,000.

A bonded work program of \$500,000 single limit and \$500,000 aggregate has been supported by Philadelphia Indemnity Insurance Company. As is customary, final approval of any bond is predicated upon the most current financial job information available to the underwriter at the time, and is subject to the following

Specific requests for surety bonds will be given our due consideration based on our underwriting evaluation at the time of the request. This evaluation includes receipt and review of contract terms and conditions and bond format that are acceptable to Philadelphia Indemnity Insurance Company, adequate financing as well as other underwriting conditions, which may exist at the time of the request. Any request for bonds is a matter between Angstrom, LLC dba Angstrom 360 and ourselves and we assume no liability to any party if for any reason we do not execute said bonds which may arise solely from this letter of recommendation.

Philadelphia Indemnity Insurance Company

David F. Druml, Attorney-In-Fact

Direct SuretyTM

1065 E. Hillsdale Blvd., #401
Foster City, California 94404
www.directsurety.com



The United States Department of Labor

Office of Apprenticeship

Certificate of Registration of Apprenticeship Program

ANGSTROM, LLC

Chicago, Illinois

For The Trade(s) of: Carpenter & Painter

*Registered as part of the National Apprenticeship System
in accordance with the basic standards of apprenticeship
established by the Secretary of Labor*

March 16, 2021

Date

2021-IL-81448

Registration No.



John V. L. L.

Administrator, Office of Apprenticeship

Angstrom's Team Quality Assurance Program

The structure for our Quality Program includes the core processes for product and service realization, and the management and support processes required for effective measurement, analysis, and improvement efforts required for long-term success. Individual procedures and work instructions are implemented based on value-added need. Enhancement of quality, consistency, and continual improvement of the system will result from a variety of actions, including:

- Thorough system and project planning
- Product and task inspections and tests
- Project/task audits and monitoring and control
- System audits
- Customer feedback
- Tracking performance management metrics
- Tracking delivery on our proposal promises
- Corrective and preventive action focused on cause elimination
- Routine regular communication

ISO Certification – Thirteen of our operating segments are ISO 9001:2008 certified, and the remaining have ISO-like programs. Additionally, our Intermediate Home Office is ISO certified. The benefits of our investment in a Quality Program are both tangible (such as productivity increases) and intangible (such as customer satisfaction). We recognize that every service environment is different, and we will work closely with you to ensure that our Quality Program is tailored to the individual TOCC Task Order requirements. Our continuous improvement methodologies provide us the option to take advantage of lessons learned from similar contracts to continuously improve our Quality Program. We have extensive reachback capabilities from both our segments and Intermediate Home Office for mentorship during the initial phases of a Task Order after award.

CMM/CMMI – Our TYBRIN and Information Technology Support Services (ITSS) Groups are certified to LEAN Capability Maturity Model Integration (CMMI) ML3; and our Engineering Technology Acquisition Support Services (ETASS) Group is certified to CMMI ML2. Compliance with these quality models is key to helping us provide excellent service to our customers.

Emphasis on Metrics-Based Total Performance Management – Our performance and quality management objectives for the JOC contract are analogous to those we have encountered and continue to address on several of our performance-based contracts. On these contracts, we have partnered closely with our customers to develop processes for identifying and quantifying metrics that measure how well we meet our customers' performance objectives. Throughout contract performance, we work with our customers to continually re-examine and re-calibrate our metrics to reinforce contract objectives that are focused on ensuring the long-term viability of our customers' missions. Metrics are central to our process and strongly focus our company on continual improvement.

Ensuring the Quality of Subcontracted Services – We are committed to ensuring that all teammates will hold their work to the same high standard of quality that we do. We will ensure all subcontractors comply with our Quality Program through regularly scheduled meetings with our teammates to address quality issues on awarded task orders. Where we integrate our teammates on a Task Order, we will ensure that our teammates are fully trained in our quality processes and procedures.



ANGSTROM
DESIGN + BUILD

Safety – Making It Happen

The term ‘safety’ means different things to different people, but essentially it captures an ideal of ‘absence of harm’. It becomes a little more difficult if it means ‘absence of failures’ and really complex if it means ‘absence of risk’. If we do not agree on what we will achieve, we will not achieve anything. Therefore, the first challenge is to achieve a common language on safety, then a common belief about its paradigms and then a common understanding what ‘excellence’ in it means. Only through a shared vision can we achieve ‘excellence in safety’.

The achievement of ‘excellence in safety’ is the goal for most organizations and it is translated in a variety of ways into mission statements, goal statements and policy documents. In the worst cases, the safety effort in companies is often a hybrid of different tools, programs and off-the-shelf products, while the deployment of these is done without integration and without a long term vision. It mostly results in short bursts of success, unpredictable failures and a phenomenon called ‘accident migration’.

But only a few organizations translate safety into a value, namely that the goal of “zero” (injuries, accidents, tolerance, etc.) is never compromised: where it is truly part of the sustainable business process, where it is manifested in a powerful culture that affects the behavior of all. The values, or convictions, of the organization are the untold, unseen and invisible drivers of organizational behavior and the most powerful.

What type of organization is that? It is an organization where safety is invisible.

There are no posters, campaigns, targets or safety programs. It is a Culture of Caring where people genuinely care and watch out for each other. It is a risk-competent culture. Operations and safety are seamless, no safety meetings, no committees, no separate points on agendas for safety and line management is truly accountable for safety. It is an organization that does not investigate the causes for an accident; however, investigates the causes that caused the causes of the accident. And it is an organization that allows, elicits and rewards innovation, for which it must learn from failures to improve in the future.

Developing a value-driven organization is a process that will take time, because before the conviction will result in action to work safe – as an individual, team, site or corporation – there are three prerequisites:

- The recognition and understanding of our risks
- The motivation to take action
- Rigorous systems that control variation/entropy in operations and projects

This requires careful education and deployment of the right resources of people, time and money; both operationally and strategically. It is a complex and difficult road to travel for any organization, with a stark reality: the goal will never ‘finally’ be achieved, because, by definition, the journey can never end. ‘Zero’ cannot be the end of our efforts, we must go BeyondZero. Thus, safety is not defined by the absence of a number (zero), but defined by the presence of energy, motivation and competence.

Industry safety statistics may be seen as if we are nearing the end of our current ability and safety technology to completely remove random events. However in a value-driven organization, instead of accepting these events, it sparks action to overcome the hurdles towards BeyondZero.

Therefore, in the pursuit for a caring safety culture, we recognize that we may not eliminate all injury or death from our workplace in the short term, but it will give us the best possible chance to do so over the long term.

Reference
COMPARABLE CONSTRUCTION EXPERIENCE

1) Proposer's Name: Angstrom LLC

2) Agency/Client Name: Housing Authority of Cook County

3) Project Name: Demo and Install 3 Steel Staircase Platform

4) Project Number: 2018-GEN-053I - Task Order 1 5) Project Value: \$116,751.00

6) **Achieved or Anticipated Final Acceptance after January 1, 2016** ☒ Yes ☐ No

7) Company Role: ☐ Sub Contractor ☒ Prime Contractor

8) Agency: ☐ Cook County ☐ Other Municipality ☒ Other: Housing Authority of Cook County

9) Percentage of Self Performed Work with the Company's Trades: 25 %

10) Project Type: (Check **ALL** boxes that apply to the Scope of Work)

☒ Interior Renovation ☐ Mechanical Upgrades ☒ Electrical Upgrades ☒ Concrete Floor

☐ Medical Center ☒ Exterior / Interior painting ☐ Roofing Replacement/Repair ☐ Boiler Replacement

☒ Demolition ☒ Concrete ☒ Masonry ☒ Exterior Facade ☐ Security Camera Installation ☐ Glass Installation

☐ Canopy Replacement/Repair ☐ Elevator Repair/Replacement ☐ Escalator Repair/Replacement

☐ Duct bank repair / installation ☐ Outdoor light installation ☐ Fire Suppression System Installation

☐ Steel Erection ☐ Landscaping ☒ Fencing ☐ Earthwork / Site Work

☐ Paving ☐ Highway/Roadway ☒ Sidewalk ☒ ADA Ramp ☐ Civil Horizontal Site Work

11) **Client Reference for Construction:** (It is your responsibility to assure that the contact information listed is correct. If your reference can not be contacted, this project may not be considered.)

Reference's contact: Name Lance Pero Title Project Manager

Telephone: 708-932-5039 Email Address: lpenro@thehacc.org

12) **Description of Any Problems or Major Issues Encountered During the Project (If Any) and What Was Done to Resolve:** (*Attach Additional Information As Necessary*)

See attached past projects!

Please See the Attachment

Reference
COMPARABLE CONSTRUCTION EXPERIENCE

1) Proposer's Name: Angstrom LLC

2) Agency/Client Name: Housing Authority of Cook County

3) Project Name: Renovation of 3 Make Ready Units

4) Project Number: 2018-GEN-053I - Task Order 2 5) Project Value: \$93,344.00

6) **Achieved or Anticipated Final Acceptance after January 1, 2016** ☒ Yes ☐ No

7) Company Role: ☐ Sub Contractor ☒ Prime Contractor

8) Agency: ☐ Cook County ☐ Other Municipality ☒ Other: Housing Authority of Cook County

9) Percentage of Self Performed Work with the Company's Trades: 95 %

10) Project Type: (Check **ALL** boxes that apply to the Scope of Work)

☒ Interior Renovation ☐ Mechanical Upgrades ☒ Electrical Upgrades ☐ Concrete Floor

☐ Medical Center ☒ Exterior / Interior painting ☐ Roofing Replacement/Repair ☐ Boiler Replacement

☒ Demolition ☐ Concrete ☒ Masonry ☐ Exterior Facade ☐ Security Camera Installation ☐ Glass Installation

☐ Canopy Replacement/Repair ☐ Elevator Repair/Replacement ☐ Escalator Repair/Replacement

☐ Duct bank repair / installation ☐ Outdoor light installation ☐ Fire Suppression System Installation

☐ Steel Erection ☐ Landscaping ☐ Fencing ☐ Earthwork / Site Work

☐ Paving ☐ Highway/Roadway ☐ Sidewalk ☐ ADA Ramp ☐ Civil Horizontal Site Work

11) **Client Reference for Construction:** (It is your responsibility to assure that the contact information listed is correct. If your reference can not be contacted, this project may not be considered.)

Reference's contact: Name Lance Pero Title Project Manager

Telephone: 708-932-5039 Email Address: lpenro@thehacc.org

12) **Description of Any Problems or Major Issues Encountered During the Project (If Any) and What Was Done to Resolve:** (*Attach Additional Information As Necessary*)

See attached past projects!

Please see the attachments

Reference
COMPARABLE CONSTRUCTION EXPERIENCE

1) Proposer's Name: Angstrom LLC

2) Agency/Client Name: David Engineering LLC

3) Project Name: CCC: Olive Harvey Main Building Renovation

4) Project Number: 09-SDC-002 5) Project Value: \$98,551.01

6) **Achieved or Anticipated Final Acceptance after January 1, 2016** ☒ Yes ☐ No

7) Company Role: ☒ Sub Contractor ☐ Prime Contractor

8) Agency: ☐ Cook County ☐ Other Municipality ☒ City Colleges Of Chicago

9) Percentage of Self Performed Work with the Company's Trades: 25 %

10) Project Type: (Check **ALL** boxes that apply to the Scope of Work)

☒ Interior Renovation ☐ Mechanical Upgrades ☐ Electrical Upgrades ☐ Concrete Floor

☐ Medical Center ☒ Exterior / Interior painting ☐ Roofing Replacement/Repair ☐ Boiler Replacement

☒ Demolition ☐ Concrete ☐ Masonry ☐ Exterior Facade ☐ Security Camera Installation ☐ Glass Installation

☐ Canopy Replacement/Repair ☐ Elevator Repair/Replacement ☐ Escalator Repair/Replacement

☐ Duct bank repair / installation ☐ Outdoor light installation ☐ Fire Suppression System Installation

☐ Steel Erection ☐ Landscaping ☐ Fencing ☐ Earthwork / Site Work

☐ Paving ☐ Highway/Roadway ☐ Sidewalk ☐ ADA Ramp ☐ Civil Horizontal Site Work

11) **Client Reference for Construction:** (It is your responsibility to assure that the contact information listed is correct. If your reference can not be contacted, this project may not be considered.)

Reference's contact: Name Shawn Coleman Title Project Manager

Telephone: 312-953-6454 Email Address: scoleman@davidengcorp.com

12) **Description of Any Problems or Major Issues Encountered During the Project (If Any) and What Was Done to Resolve:** (*Attach Additional Information As Necessary*)

See Attached Past Projects

Reference
COMPARABLE CONSTRUCTION EXPERIENCE

1) Proposer's Name: Angstrom LLC

2) Agency/Client Name: David Engineering LLC

3) Project Name: CCC: Install Projectors and Paint 13 Classrooms

4) Project Number: 09-SDC-007 5) Project Value: \$160,753.39

6) **Achieved or Anticipated Final Acceptance after January 1, 2016** ☒ Yes ☐ No

7) Company Role: ☒ Sub Contractor ☐ Prime Contractor

8) Agency: ☐ Cook County ☐ Other Municipality ☒ Other: City Colleges Of Chicago

9) Percentage of Self Performed Work with the Company's Trades: 75 %

10) Project Type: (Check **ALL** boxes that apply to the Scope of Work)

☒ Interior Renovation ☐ Mechanical Upgrades ☒ Electrical Upgrades ☐ Concrete Floor

☐ Medical Center ☒ Exterior / Interior painting ☐ Roofing Replacement/Repair ☐ Boiler Replacement

☒ Demolition ☐ Concrete ☐ Masonry ☐ Exterior Facade ☐ Security Camera Installation ☐ Glass Installation

☐ Canopy Replacement/Repair ☐ Elevator Repair/Replacement ☐ Escalator Repair/Replacement

☐ Duct bank repair / installation ☐ Outdoor light installation ☐ Fire Suppression System Installation

☐ Steel Erection ☐ Landscaping ☐ Fencing ☐ Earthwork / Site Work

☐ Paving ☐ Highway/Roadway ☐ Sidewalk ☐ ADA Ramp ☐ Civil Horizontal Site Work

11) **Client Reference for Construction:** (It is your responsibility to assure that the contact information listed is correct. If your reference can not be contacted, this project may not be considered.)

Reference's contact: Name Shawn Coleman Title Project Manager

Telephone: 312-953-6454 Email Address: scoleman@davidengcorp.com

12) **Description of Any Problems or Major Issues Encountered During the Project (If Any) and What Was Done to Resolve:** (*Attach Additional Information As Necessary*)

See Attached Past Projects

Reference
COMPARABLE CONSTRUCTION EXPERIENCE

1) Proposer's Name: Angstrom LLC

2) Agency/Client Name: EEast Lake Management Group

3) Project Name: Chicago Housing Authority (Altgeld Garden) Make Ready Units (14)

4) Project Number: 176-21-SBL-135 5) Project Value: \$201,000.00

6) **Achieved or Anticipated Final Acceptance after January 1, 2016** ☒ Yes ☐ No

7) Company Role: ☐ Sub Contractor ☒ Prime Contractor

8) Agency: ☐ Cook County ☐ Other Municipality ☒ Other: Chicago Housing Authority

9) Percentage of Self Performed Work with the Company's Trades: 95 %

10) Project Type: (Check **ALL** boxes that apply to the Scope of Work)

☒ Interior Renovation ☒ Mechanical Upgrades ☒ Electrical Upgrades ☐ Concrete Floor

☐ Medical Center ☒ Exterior / Interior painting ☒ Roofing Replacement/Repair ☒ Boiler Replacement

☒ Demolition ☐ Concrete ☐ Masonry ☐ Exterior Facade ☐ Security Camera Installation ☒ Glass Installation

☐ Canopy Replacement/Repair ☐ Elevator Repair/Replacement ☐ Escalator Repair/Replacement

☐ Duct bank repair / installation ☐ Outdoor light installation ☐ Fire Suppression System Installation

☐ Steel Erection ☐ Landscaping ☒ Fencing ☐ Earthwork / Site Work

☐ Paving ☐ Highway/Roadway ☐ Sidewalk ☐ ADA Ramp ☐ Civil Horizontal Site Work

11) **Client Reference for Construction:** (It is your responsibility to assure that the contact information listed is correct. If your reference can not be contacted, this project may not be considered.)

Reference's contact: Name Marvel Mangal Title Site Superintendent

Telephone: 758 - 486 - 5335 Email Address: thearchitectslu@gmail.com

12) **Description of Any Problems or Major Issues Encountered During the Project (If Any) and What Was Done to Resolve:** (*Attach Additional Information As Necessary*)

Please see the attachment

Reference
COMPARABLE CONSTRUCTION EXPERIENCE

1) Proposer's Name: Angstrom LLC

2) Agency/Client Name: David Engineering LLC

3) Project Name: Dawson Tech - 2nd Floor Office Administration Build Out

4) Project Number: DT1807 5) Project Value: \$350,427.26

6) Achieved or Anticipated Final Acceptance after January 1, 2016 ☒ Yes ☐ No

7) Company Role: ☒ Sub Contractor ☐ Prime Contractor

8) Agency: ☐ Cook County ☐ Other Municipality ☒ Other: City Colleges of Chicago

9) Percentage of Self Performed Work with the Company's Trades: 75 %

10) Project Type: (Check ALL boxes that apply to the Scope of Work)

☒ Interior Renovation ☐ Mechanical Upgrades ☒ Electrical Upgrades ☐ Concrete Floor

☐ Medical Center ☒ Exterior / Interior painting ☐ Roofing Replacement/Repair ☐ Boiler Replacement

☒ Demolition ☐ Concrete ☒ Masonry ☐ Exterior Facade ☐ Security Camera Installation ☐ Glass Installation

☐ Canopy Replacement/Repair ☐ Elevator Repair/Replacement ☐ Escalator Repair/Replacement

☐ Duct bank repair / installation ☐ Outdoor light installation ☐ Fire Suppression System Installation

☐ Steel Erection ☐ Landscaping ☐ Fencing ☐ Earthwork / Site Work

☐ Paving ☐ Highway/Roadway ☐ Sidewalk ☐ ADA Ramp ☐ Civil Horizontal Site Work

11) Client Reference for Construction: (It is your responsibility to assure that the contact information listed is correct. If your reference can not be contacted, this project may not be considered.)

Reference's contact: Name Shawn Coleman Title Project Manager

Telephone: 312-953-6454 Email Address: scoleman@davidengcorp.com

12) Description of Any Problems or Major Issues Encountered During the Project (If Any) and What Was Done to Resolve: *(Attach Additional Information As Necessary)*

See Attached Past Projects

Reference
COMPARABLE CONSTRUCTION EXPERIENCE

- 1) Proposer's Name: Angstrom LLC
- 2) Agency/Client Name: David Engineering LLC
- 3) Project Name: Kennedy King College: Upgrade PA System
- 4) Project Number: 13-SCD-002 5) Project Value: \$460,957.76
- 6) **Achieved or Anticipated Final Acceptance after January 1, 2016** ☒ Yes ☐ No
- 7) **Company Role:** ☒ Sub Contractor ☐ Prime Contractor
- 8) **Agency:** ☐ Cook County ☐ Other Municipality ☒ Other: City Colleges Of Chicago
- 9) **Percentage of Self Performed Work with the Company's Trades:** 5 %

10) Project Type: (Check ALL boxes that apply to the Scope of Work)

- ☐ Interior Renovation ☐ Mechanical Upgrades ☒ Electrical Upgrades ☐ Concrete Floor
- ☐ Medical Center ☒ Exterior / Interior painting ☐ Roofing Replacement/Repair ☐ Boiler Replacement
- ☐ Demolition ☐ Concrete ☐ Masonry ☐ Exterior Facade ☐ Security Camera Installation ☐ Glass Installation
- ☐ Canopy Replacement/Repair ☐ Elevator Repair/Replacement ☐ Escalator Repair/Replacement
- ☐ Duct bank repair / installation ☐ Outdoor light installation ☐ Fire Suppression System Installation
- ☐ Steel Erection ☐ Landscaping ☐ Fencing ☐ Earthwork / Site Work
- ☐ Paving ☐ Highway/Roadway ☐ Sidewalk ☐ ADA Ramp ☐ Civil Horizontal Site Work

11) Client Reference for Construction: (It is your responsibility to assure that the contact information listed is correct. If your reference can not be contacted, this project may not be considered.)

Reference's contact: Name Shawn Coleman Title Project Manager

Telephone: 312-953-6454 Email Address: scoleman@davidengcorp.com

12) Description of Any Problems or Major Issues Encountered During the Project (If Any) and What Was Done to Resolve: (*Attach Additional Information As Necessary*)

See Attached Past Projects

Reference
COMPARABLE CONSTRUCTION EXPERIENCE

- 1) Proposer's Name: Angstrom LLC
- 2) Agency/Client Name: David Engineering LLC
- 3) Project Name: Richard Daley College: Remove and Install New PA System
- 4) Project Number: 10-SCD-002 5) Project Value: \$435,566.25
- 6) **Achieved or Anticipated Final Acceptance after January 1, 2016** ☐ Yes ☐ No
- 7) **Company Role:** ☒ Sub Contractor ☐ Prime Contractor
- 8) **Agency:** ☐ Cook County ☐ Other Municipality ☒ Other: City Colleges Of Chicago
- 9) **Percentage of Self Performed Work with the Company's Trades:** 75 %

10) Project Type: (Check ALL boxes that apply to the Scope of Work)

- ☐ Interior Renovation ☐ Mechanical Upgrades ☒ Electrical Upgrades ☐ Concrete Floor
- ☐ Medical Center ☒ Exterior / Interior painting ☐ Roofing Replacement/Repair ☐ Boiler Replacement
- ☐ Demolition ☐ Concrete ☐ Masonry ☐ Exterior Facade ☐ Security Camera Installation ☐ Glass Installation
- ☐ Canopy Replacement/Repair ☐ Elevator Repair/Replacement ☐ Escalator Repair/Replacement
- ☐ Duct bank repair / installation ☐ Outdoor light installation ☐ Fire Suppression System Installation
- ☐ Steel Erection ☐ Landscaping ☐ Fencing ☐ Earthwork / Site Work
- ☐ Paving ☐ Highway/Roadway ☐ Sidewalk ☐ ADA Ramp ☐ Civil Horizontal Site Work

11) Client Reference for Construction: (It is your responsibility to assure that the contact information listed is correct. If your reference can not be contacted, this project may not be considered.)

Reference's contact: Name Shawn Coleman Title Project Manager

Telephone: 312-953-6454 Email Address: scoleman@davidengcorp.com

12) Description of Any Problems or Major Issues Encountered During the Project (If Any) and What Was Done to Resolve: (*Attach Additional Information As Necessary*)

See Attached Past Projects

Reference
COMPARABLE CONSTRUCTION EXPERIENCE

1) Proposer's Name: Angstrom LLC

2) Agency/Client Name: David Engineering LLC

3) Project Name: Richard Daley College: HVAC Upgrade (Replace Condenser)

4) Project Number: 13-SCD-001 5) Project Value: \$270,000.00

6) Achieved or Anticipated Final Acceptance after January 1, 2016 ☒ Yes ☐ No

7) Company Role: ☒ Sub Contractor ☐ Prime Contractor

8) Agency: ☐ Cook County ☐ Other Municipality ☒ Other: City Colleges Of Chicago

9) Percentage of Self Performed Work with the Company's Trades: 75 %

10) Project Type: (Check ALL boxes that apply to the Scope of Work)

☐ Interior Renovation ☒ Mechanical Upgrades ☐ Electrical Upgrades ☐ Concrete Floor

☐ Medical Center ☒ Exterior / Interior painting ☐ Roofing Replacement/Repair ☐ Boiler Replacement

☐ Demolition ☐ Concrete ☐ Masonry ☐ Exterior Facade ☐ Security Camera Installation ☐ Glass Installation

☐ Canopy Replacement/Repair ☐ Elevator Repair/Replacement ☐ Escalator Repair/Replacement

☐ Duct bank repair / installation ☐ Outdoor light installation ☐ Fire Suppression System Installation

☐ Steel Erection ☐ Landscaping ☐ Fencing ☐ Earthwork / Site Work

☐ Paving ☐ Highway/Roadway ☐ Sidewalk ☐ ADA Ramp ☐ Civil Horizontal Site Work

11) Client Reference for Construction: (It is your responsibility to assure that the contact information listed is correct. If your reference can not be contacted, this project may not be considered.)

Reference's contact: Name Shawn Coleman Title Project Manager

Telephone: 312-953-6454 Email Address: scoleman@davidengcorp.com

12) Description of Any Problems or Major Issues Encountered During the Project (If Any) and What Was Done to Resolve: *(Attach Additional Information As Necessary)*

See Attached Past Projects

Reference
COMPARABLE CONSTRUCTION EXPERIENCE

1) Proposer's Name: Angstrom LLC

2) Agency/Client Name: David Engineering LLC

3) Project Name: Wright College: Upgrade Parking Garage Lights and Interior Renovation

4) Project Number: 12-SCD-001 5) Project Value: \$383,937.73

6) **Achieved or Anticipated Final Acceptance after January 1, 2016** ☒ Yes ☐ No

7) **Company Role:** ☒ Sub Contractor ☐ Prime Contractor

8) **Agency:** ☐ Cook County ☐ Other Municipality ☒ Other: City Colleges Of Chicago

9) **Percentage of Self Performed Work with the Company's Trades:** 75 %

10) **Project Type:** (Check ALL boxes that apply to the Scope of Work)

☐ Interior Renovation ☐ Mechanical Upgrades ☒ Electrical Upgrades ☐ Concrete Floor

☐ Medical Center ☒ Exterior / Interior painting ☐ Roofing Replacement/Repair ☐ Boiler Replacement

☐ Demolition ☒ Concrete ☒ Masonry ☒ Exterior Facade ☐ Security Camera Installation ☐ Glass Installation

☐ Canopy Replacement/Repair ☐ Elevator Repair/Replacement ☐ Escalator Repair/Replacement

☐ Duct bank repair / installation ☐ Outdoor light installation ☐ Fire Suppression System Installation

☐ Steel Erection ☐ Landscaping ☐ Fencing ☐ Earthwork / Site Work

☒ Paving ☐ Highway/Roadway ☐ Sidewalk ☐ ADA Ramp ☐ Civil Horizontal Site Work

11) **Client Reference for Construction:** (It is your responsibility to assure that the contact information listed is correct. If your reference can not be contacted, this project may not be considered.)

Reference's contact: Name Shawn Coleman Title Project Manager

Telephone: 312-953-6454 Email Address: scoleman@davidengcorp.com

12) **Description of Any Problems or Major Issues Encountered During the Project (If Any) and What Was Done to Resolve:** (*Attach Additional Information As Necessary*)

See Attached Past Projects

Reference COMPARABLE CONSTRUCTION EXPERIENCE

- 1) Proposer's Name: Angstrom LLC
- 2) Agency/Client Name: David Engineering LLC
- 3) Project Name: Office Building at 1000 North Dearborn Street, Chicago, IL
- 4) Project Number: C16CT102632536 5) Project Value: \$720,210.00
- 6) Achieved or Anticipated Final Acceptance after January 1, 2016 ☒ Yes ☐ No
- 7) Company Role: ☒ Sub Contractor ☐ Prime Contractor
- 8) Agency: ☐ Cook County ☐ Other Municipality ☒ Other: Chicago Transit Authority
- 9) Percentage of Self Performed Work with the Company's Trades: 50 %

10) Project Type: (Check ALL boxes that apply to the Scope of Work)

- ☐ Interior Renovation ☒ Mechanical Upgrades ☒ Electrical Upgrades ☐ Concrete Floor
- ☐ Medical Center ☒ Exterior / Interior painting ☐ Roofing Replacement/Repair ☐ Boiler Replacement
- ☒ Demolition ☒ Concrete ☒ Masonry ☒ Exterior Facade ☐ Security Camera Installation ☐ Glass Installation
- ☐ Canopy Replacement/Repair ☐ Elevator Repair/Replacement ☐ Escalator Repair/Replacement
- ☐ Duct bank repair / installation ☐ Outdoor light installation ☐ Fire Suppression System Installation
- ☐ Steel Erection ☒ Landscaping ☐ Fencing ☒ Earthwork / Site Work
- ☒ Paving ☐ Highway/Roadway ☐ Sidewalk ☒ ADA Ramp ☐ Civil Horizontal Site Work

11) Client Reference for Construction: (It is your responsibility to assure that the contact information listed is correct. If your reference can not be contacted, this project may not be considered.)

Reference's contact: Name Shawn Coleman Title Project Manager

Telephone: 312-953-6454 Email Address: scoleman@davidengcorp.com

12) Description of Any Problems or Major Issues Encountered During the Project (If Any) and What Was Done to Resolve: *(Attach Additional Information As Necessary)*

See Attached Past Projects

Reference
COMPARABLE CONSTRUCTION EXPERIENCE

- 1) Proposer's Name: Angstrom LLC
- 2) Agency/Client Name: David Engineering LLC
- 3) Project Name: 95th Street Rail Mass Transit Station
- 4) Project Number: 017-62T75 5) Project Value: \$661,200.00
- 6) Achieved or Anticipated Final Acceptance after January 1, 2016 ☒ Yes ☐ No
- 7) Company Role: ☒ Sub Contractor ☐ Prime Contractor
- 8) Agency: ☐ Cook County ☐ Other Municipality ☒ Other: Illinois Department of Transportation
- 9) Percentage of Self Performed Work with the Company's Trades: 50 %

10) Project Type: (Check ALL boxes that apply to the Scope of Work)

- ☐ Interior Renovation ☐ Mechanical Upgrades ☒ Electrical Upgrades ☐ Concrete Floor
- ☐ Medical Center ☒ Exterior / Interior painting ☐ Roofing Replacement/Repair ☐ Boiler Replacement
- ☐ Demolition ☒ Concrete ☒ Masonry ☒ Exterior Facade ☐ Security Camera Installation ☐ Glass Installation
- ☐ Canopy Replacement/Repair ☐ Elevator Repair/Replacement ☐ Escalator Repair/Replacement
- ☐ Duct bank repair / installation ☐ Outdoor light installation ☐ Fire Suppression System Installation
- ☐ Steel Erection ☒ Landscaping ☐ Fencing ☒ Earthwork / Site Work
- ☒ Paving ☒ Highway/Roadway ☐ Sidewalk ☒ ADA Ramp ☒ Civil Horizontal Site Work

11) Client Reference for Construction: (It is your responsibility to assure that the contact information listed is correct. If your reference can not be contacted, this project may not be considered.)

Reference's contact: Name Shawn Coleman Title Project Manager

Telephone: 312-953-6454 Email Address: scoleman@davidengcorp.com

12) Description of Any Problems or Major Issues Encountered During the Project (If Any) and What Was Done to Resolve: (*Attach Additional Information As Necessary*)

See Attached Past Projects

Reference
COMPARABLE CONSTRUCTION EXPERIENCE

- 1) Proposer's Name: Angstrom LLC
- 2) Agency/Client Name: Hispanic Housing Development Corporation
- 3) Project Name: Mary Hartwell Catherwood
- 4) Project Number: MPS18-32 5) Project Value: \$124,043.75
- 6) **Achieved or Anticipated Final Acceptance after January 1, 2016** ☒ Yes ☐ No
- 7) Company Role: ☒ Prime Contractor ☐ Sub Contractor
- 8) Agency: ☐ Cook County ☐ Other Municipality ☒ Other: Chicago Housing Authority
- 9) Percentage of Self Performed Work with the Company's Trades: 100 %

10) Project Type: (Check ALL boxes that apply to the Scope of Work)

- ☒ Interior Renovation ☒ Mechanical Upgrades ☒ Electrical Upgrades ☐ Concrete Floor
- ☐ Medical Center ☒ Exterior / Interior painting ☒ Roofing Replacement/Repair ☐ Boiler Replacement
- ☒ Demolition ☐ Concrete ☒ Masonry ☒ Exterior Facade ☐ Security Camera Installation ☒ Glass Installation
- ☐ Canopy Replacement/Repair ☐ Elevator Repair/Replacement ☐ Escalator Repair/Replacement
- ☐ Duct bank repair / installation ☒ Outdoor light installation ☐ Fire Suppression System Installation
- ☐ Steel Erection ☐ Landscaping ☒ Fencing ☐ Earthwork / Site Work
- ☐ Paving ☐ Highway/Roadway ☐ Sidewalk ☐ ADA Ramp ☐ Civil Horizontal Site Work

11) Client Reference for Construction: (It is your responsibility to assure that the contact information listed is correct. If your reference can not be contacted, this project may not be considered.)

Reference's contact: Name Cynthia Boler Title Property Manager

Telephone: 773-329-0813 Email Address: cboler@hhdevcorp.com

12) Description of Any Problems or Major Issues Encountered During the Project (If Any) and What Was Done to Resolve: *(Attach Additional Information As Necessary)*

Please see attachment for past projects
