

Department of Administrative Services

KIM REYNOLDS, GOVERNOR ADAM GREGG, LT. GOVERNOR ADAM STEEN, DIRECTOR

Addendum 01 for RFB937600-01

Project Name: CC Parking Lot 15 Replacement DAS RFB #: 937600-01 DAS Project #: 9376.00 Date: 4/10/2024

Bids Due: April 23, 2024 at 2:00 PM CST

Contents:

- Cover Page Table of Contents and Revisions (1 page)
- Pre-Bid Meeting Minutes & Sign-In Sheet (5 pages)
- Section 00 0110 Table of Contents (2 pages)
- Section 00 3132 Existing Geotechnical Information (20 pages)
- Section 00 4116 Bid Forms (5 pages)
- Section 01 1200 Contract Summary (7 pages)
- Section 01 1201 General Work Requirements (5 pages)
- Section 01 1202 Special Work Requirements (2 pages)

1. REVISIONS:

- 1.1. REPLACE section 00 0110 Table of Contents
- 1.2. ADD section 00 3132 Existing Geotechnical Information
- 1.3. REPLACE section 00 4116 Bid Forms (Added addition unit prices)
- **1.4. ADD** section 01 1200 Contract Summary (This section was included in the Table of Contents but omitted for the specifications.)
- 1.5. ADD section 01 1201 General Work Requirements
- 1.6. ADD section 01 1202 Special Work Requirements



State of Iowa - Department of Administrative Services 109 SE 13th St. Des Moines, Iowa 50319 P: (515) 281-7260

RFB Pre-Bid Minutes: Meeting #1

Meeting Date	Apr 9, 2024	Meeting Time	9:00 AM - 10:00 AM Central Time (US & Canada)
Meeting Location	Lucas Building		
Overview	Meeting to allow prospective bidders to visit the site,	when possible, and lea	rn more about the project.
Notes			

Attachments

Scheduled Attendees

Name	Company	Phone Number	Email	Attendance
Brad Meister	Capitol Complex Maintenance		brad.meister@iowa.gov	For Distribution Only
Kurt Fisher	DCI Group	P: (515) 244-5043	kurtf@dcigroup-us.com	Present
Travis Hoyle	DCI Group	P: (515) 244-5043	travish@dcigroup-us.com	For Distribution Only
Jacob MacVey	DCI Group	P: (515) 244-5043	jacobm@dcigroup-us.com	Present
Michael Steen	DCI Group	P: (515) 244-5043	michaels@dcigroup-us.com	Present
Chris Bauer	Shive Hattery Inc.	P: (515) 223-8104	cbauer@shive-hattery.com	For Distribution Only
Brad Tonyan	State of Iowa - Department of Administrative Services	P: 515-360-7718	brad.tonyan@iowa.gov	Present

Introduction

No.	Mtg Origin	Title	Assignment	Due Date	Priority	Status
1.1	1	Introductions				Open
	Description Attendees - F	Please Sign In				
	Official Docu See attached	umented Meeting Minutes sign in sheet				

Project Overview

No.	Mtg Origin	Title	Assignment	Due Date	Priority	Status
2.1	1	Project Description				Open
	Description - Addendum	#01 will be issued following this meeting to	o include the 01 1200 Contract Summary and rev	ised sheet E101		

 Bid Package #01 – Parking Lot Replacement: Trade Contractor shall include all of the following, but not limited to, as part of the contract:

1. General

- 1. Temporary restroom and handwashing facilities to be provided by this contractor for the duration of construction in accordance with OSHA guidelines.
- 2. Contractor to coordinate with City of Des Moines for any sidewalk or driving lane closures.
- 3. It shall be the responsibility of this contractor to coordinate a joint locate meeting with DAS, Iowa OneCall, DCI Group, and the contractor.
- 4. Contractors shall store construction equipment within the work area whenever feasible. Additional staging can be made available by request if required.
- 5. The contractor shall be responsible for controlling track off to existing pavement. This shall include sweeping existing roads to remove all track off as needed and at minimum daily.
- 6. This contractor shall install and maintain 4-foot-tall green construction fencing at all areas of construction Contractor shall assume pedestrian traffic will be in the area throughout the project duration. This includes closing off sidewalks and drive lanes as shown in the contract documents.
- 7. Contractor shall keep equipment and materials off existing landscaping and turf. Any damage to existing conditions that are to remain will be repaired at this contractor's expense.
- 8. This Contractor is responsible to dispose of all construction debris. The contractor shall coordinate with the Construction Manager on placement of dumpsters if needed.
- 9. This Contractor is responsible to keep adjacent paving and sidewalks clear and free of debris. This Contractor shall clean up any track out on a daily basis.
- 10. This Contractor is responsible for all pedestrian and traffic control and signage as needed to maintain a safe route of access to building and public pathways.
- ^{11.} Road closed signs and directional signage will be required at all drives, sidewalks, and lot entrances closed as part of this work.

1. Erosion Control

- This Contractor is responsible for the installation of silt fence, straw waddle, and inlet protection. Contractor to plan on providing both perimeter controls and coordinate with owners rep at adjust controls as required.
- 2. Erosion control measures per the SWPPP. Includes installation, maintenance, modifications and updating as needed, and removal.
- 3. Inspections and documentation of the erosions control measures weekly and after rain events.

1. Demolition

- 1. The contractor will be responsible for surveying, staking, and layout.
- Provide all labor, materials, and equipment necessary to conduct all demolition as required for this project. This shall include, but not necessarily be limited to, the complete removal and disposal of existing paving, sidewalks, bollards, pavement saw cutting, drains, existing subgrade and soils removals.
- 3. Contractor shall protect existing camera poles footings and handholes on north side of the parking lot.

- 4. The contractor shall protect existing electrical vaults, sidewalks, curbs, storm sewers, tunnel walls and lid, steps paving as noted in the contract documents.
- 5. This Contractor shall protect all adjacent surfaces, trees, and plantings to remain.
- 6. This Contractor is responsible for all saw cutting needed to remove pavement and sidewalk as shown.
- 7. This Contractor is responsible to haul and remove all rubble off site.
- ^{8.} This contractor shall demolish the foundations, light poles, and fixtures.

1. Paving

- 1. This Contractor is responsible for the complete paving scope including, but not limited to, surveying, stacking, subgrade prep, subbase, concrete, rebar, curbs, expansion joints, control joints and striping.
- This contractor shall be responsible for subgrade preparation. This shall include wetting or drying as necessary, dewatering, compaction, and subgrade testing coordination with third-party agency contracted by Owner.
- 3. The contractor shall be responsible for the new 12" subgrade prep, 6" modified subbase and all new concrete.
- 4. The contractor shall provide all pavement markings as shown on the contract documents. The contractor shall provide all pavement markings in a groove in a single pass using stacked diamond cutting heads, groove to meet Iowa DOT specifications section 2527.03.H prior to applying pavement markings. Striping shall be 4" solid yellow lines unless noted otherwise. The contractor shall provide a layout that is approved by the owner prior to being applied. Pavement markings shall be completed after each phase.
- 5. The contractor shall note that the parking lot will be divided into two phases of construction.
- 6. Contractor shall provide detectable warning pads at new sections of sidewalk as shown in the contract documents.
- 7. This Contractor is responsible for new subdrains, piping as shown along with all cutting and fittings required to make connection to existing storm sewer.
- 8. This Contractor is responsible to repair any damage to existing subdrainage noted to remain.
- 9. The contractor shall provide material certifications to the Engineer.
- 10. Cracks and ponding in pavement that occur prior to turnover shall be corrected by the removal of pavement to the nearest joint and replacement at the contractor's expense.
- ^{11.} Contractor shall power wash all pavement after backfilling and sod but prior to parking lot stripping.

1. Storm Sewer

- 1. This Contractor is responsible for complete scope of work as necessary to adjust existing intakes.
- 2. This Contractor is responsible for complete scope of new utilities.
- 3. This Contractor is responsible to connect new utilities to existing structures.
- 4. Contractor shall install subdrain at slope necessary to achieve desired depth. Install inserta-tee or approved equal at pipe connection when necessary to achieve desired depth.
- Contractor shall install temporary connections as needed to ensure positive drainage during construction.
- 6. Where existing utilities may be uncovered or disturbed during construction activities, contractors shall locate by hand to identify exact location and depth to avoid damage. This shall include communications and fiber optic cabling were shown beneath pavement and/or utility crossings.

1. Site Restoration

- 1. The contractor shall be responsible for backfilling all curbs after proper curing.
- 2. It shall be the responsibility of this contractor to repair all landscaping or existing conditions damaged by construction activities. This shall include sod with a minimum of 6" of top soil and initial watering of turf along the north and south edge of the parking lot. Contractor shall provide product data for sod prior to approval.
- 1. **Alternate #01** REMOVE Storm Sewer Removal and Replacement of Pipe ST 1.2: Trade Contractor shall provide a lump sum price to include all the following, but not limited to, as part of the alternate:
 - Remove the requirement to replace pipe ST 1.2 (225 LF of 15" Dual Wall HDPE) as shown on the Utility Plan Sheet C301. The existing ST 1.2 storm sewer pipe shall be left in place and connected to the proposed Intake INT 1.1. Removal and replacement of a small portion of the existing pipe west of INT 1.1 may be required for the intake construction and shall be considered incidental to the intake construction.
 - 2. Removal and replacement requirements of the storm sewer pipe ST 1.1 are not revised as part of this Alternate and shall be included in the project.
 - 3. Coordination: Provide a lump sum deduct amount as necessary to completely integrate work of the alternate into Project.
 - 4. Include as part of this alternate the cost to protect the existing storm sewer piping and reconnect to the proposed intake.
 - 5. Execute accepted alternates under the same conditions as other work of the Contract.
- 1. **Alternate #02** REVISE Specified Pavement Marking Requirements and Materials: Trade Contractor shall provide a lump sum price to include all the following, but not limited to, as part of the alternate:
 - 1. Remove Pavement Marking Grooving requirement. Pavement markings to be surface installed according to IDOT specifications with no grooving.
 - 2. Revise specifications for Durable Paint Pavement Marking material and replace with Iowa DOT approved Waterborne or Solvent based Paint material.
 - 3. Coordination: Provide a lump sum deduct amount as necessary to completely integrate work of the alternate into Project.
 - 4. Include as part of this alternate the cost to remove the grinding requirement for all pavement marking areas.
 - 5. Include as part of this alternate the cost to revise the paint material specification requirements from Durable Paint Pavement Marking material to Iowa DOT approved Waterborne or Solvent based Paint material. All materials to be provided and installed according to Iowa DOT standard specification requirements including specified or manufacturer recommended surface cleaning and preparation.
 - 6. Execute accepted alternates under the same conditions as other work of the Contract.
- 1. **Unit Price #01** Add an Additional 1,000 Sq/ft of Concrete For Sidewalk Replacement: Trade Contractor shall include all of the following, but not limited to, as part of the contract:

- Provide a unit price cost, to add all work associated with adding 1,000 square feet of concrete sidewalk removal and replacement. Locations may be added to the project scope at the Owner's discretion based on funding availability. All additional work and adjustments to the scope of work shall be pre-approved by the Owner.
- 2. Unit price cost shall include all overhead, insurance, profit, material, delivery, labor, and associated costs for the complete sidewalk removal and replacement.
- 3. Confirm specific locations of added sidewalk quantities and locations with the Construction Manager prior to executing this work. Additional sidewalk removal and replacement may be individual or multiple panels in locations within the same general location as the project site.
- 4. Unit Price sidewalk removal and replacement shall include all preparation, sawcutting, removals, disposal, subbase materials and preparation, concrete, joint sealant, and surface restoration adjacent to the additional patching areas.
- 5. Additional sidewalk replacement is only for additional locations requested by the Owner and shall not apply to replacement locations where damage occurred as part of the base scope of work. Contractor is responsible for replacement of all pavement and sidewalks damaged by construction activities at no additional cost to the Owner.
- 6. Additional sidewalk replacement quantity can be increased by 50% before either party has the right to renegotiate the unit price.
- 7. Method of Measurement: The Contractor shall measure and submit additional pre-approved sidewalk removal and replacement quantities to the Construction Manager. Actual quantities of sidewalk removal and replacement will be paid at a prorated unit price amount for quantities constructed.
- Bid Package #02 Electrical: Trade Contractor shall include all of the following, but not limited to, as part of the contract:
- 1. Contractor shall Disconnect Electrical services as part of this project.
- 2. Contractor to reuse existing electrical manhole per note E1 on sheet E101. Providing splices for conductions in manhole. New conductors shall be installed from manhole to the lights.
- 3. Contractor shall coordinate electrical installation with all trades prior to installation. If electrical work installed interferes with other trader after installation, the contractor shall make all necessary changes to correct the condition at no additional cost to the owner.
- 4. Contractor shall reuse existing conduit under the roadway. Provide all new conduit from the roadway to the lights. The plan specifies conduit size, type and general locations. The exact location will be determined in the field.
- 5. Contractor shall be responsible for providing Type A light pole foundations for new light poles. Foundations to have 3 each, 1" conduits as outlined in the contract documents.
- 1. Work Performed by Owner: DAS/CCM will perform the following work items:
 - 1. Remove and reinstall all signage after construction is completed.

No.	Mtg Origin	Title	Assignment	Due Date	Priority	Status
2.2	1	Project Schedule				Open
	Description Contra Constr Closed 	act(s) Issued: April 24th and executed by N ruction: Spring 2024 put: September 2024	Иау 7th			
	A pull-plan se	ession will be held with the successful bid	package contractors to finalize the construction s	chedule.		

State Holidays: New Year's Day, Martin Luther King Day, Memorial Day, 4th of July, Labor Day, Veterans Day, Thanksgiving and day after Thanksgiving, Christmas Day

No.	Mtg Origin	Title	Assignment	Due Date	Priority	Status
2.3	1	Site Rules				Open
	Description Onsite place. Contra Constr Constr It is of Clean area. No sm Tempo Tool co View S	supervision by Prime Contractor is require ictors shall provide daily logs for each day uction progress meeting will be established the utmost importance to show respect an all debris, materials, and bring all finishes oking, vaping or smokeless tobacco use of arrary facilities: Contractor will be required to supply and in ontrol: All tools and equipment shall be monitore times shall keys be left in vehicles when u nours: Typical hours are 7 AM - 5 PM Monday-F Specification 01 1200 - Contract Summary	ed at all times when work by that contractor or the they are on site. ad once construction starts. ad courtesy to all staff at all times. back to existing conditions in the area they were onsite. maintain d and secured at all times. No vehicles shall be le unoccupied. riday. Other hours can be arranged on an as need for more information Addendum #01	eir subcontractor working in prior	rs/suppliers to moving t	is taking o the next ed at at no

RFB Overview

No.	Mtg Origin	Title	Assignment	Due Date	Priority	Status
3.1	1	Bid Submission				Open
	Description					
	 Bids ar The Bid 0 0 0 0 0 0 0 0 	e due April 23rd 2024 at 2:00 pm. d shall be submitted to the Issuing Officer Link and information is in the project manu Contractors will need to register prior to bi Bidders will need to register regardless of Bidders should complete the registration p submitted on the due date.	through the IMPACS Electronic Procurement Sys ual idding f whether it has already done business with the S process and ensure the ability to log in as soon a	stem. State of Iowa. s possible to ens	sure Bids ca	an be

• Please make sure the electronic documents submitted contain any required signatures. Digital signatures will be accepted.

- Bid Opening will be held via conference call on April 23rd 2024 at 3:00 pm.
- Contractor shall reference section 00 0116 for the bid submittal checklist
 - Bid Proposal Information
 - Non Discrimination Clause Information
 - Contractor Targeted Small Business Enterprise Pre-Bid Contract Information
 - Bid Security 5% of total Bid amount
- Apparent low bidder will be required to submit subcontractor/supplier list 48hrs after the bid opening

No.	Mtg Origin	Title	Assignment	Due Date	Priority	Status
3.2	1	Bid Schedule				Open
	Description Questi Adden Bids D Tentati 	ons/Substitutions Due in Writing to <u>Constr</u> dum Issued: Final addendum no later thar ue: April 23rd 2024 at 2:00 PM CST ve NOI Issued: April 24th 2024	r <u>uction.Procurement@iowa.gov:</u> 2:00 PM on April า April 19th	12th, 2024		

No.	Mtg Origin	Title	Assignment	Due Date	Priority	Status
3.3	1	Administrative Details				Open
3.3	1 Description • Contra • Projec • Succe • DAS w • Procor • • • • • • • • • • • • • • • • • •	Administrative Details actors will sign a modified ConsensusDocs t-specific Certificate of Insurance must be 2. t-specific P&P bonds must be provided pri ssful contractor must turn in their list of sul vill provide tax exempt certificates upon re- re will be used for all project management, Submittals, Invoicing, RFIs, ASIs, PRs, R Contracts, Change Orders and Certificate actor Schedule of Values shall be broken o	s 802. Example in the project manual. provided prior to contract execution. Follow exan ior to contract execution. bcontractors and suppliers within 48 hours of the quest. , at no cost to the trade contractor. FQs es of Substantial and Final Completion will also us put as specified in the project manual.	nple in the projec bid. se Docusign	ct manual a	Open nd limits in
	0	SOV must contain a closeout line item for This line item can only be invoiced once t	at least 1% of the total contract value. he certificate of final completion has been signed	by all parties.		

No.	Mtg Origin	Title	Assignment	Due Date	Priority	Status
3.4	1	Pre-Bid Site Visits				Open
	Description Contractors c	an walk the existing parking lot following t	he conclusion of this meeting.			

Questions

No.	Mtg Origin	Title	Assignment	Due Date	Priority	Status
4.1	1	Questions				Open
	Description Submit all qu	estions in writing to construction.procurem	nent@iowa.gov.			

These meeting minutes are believed to be an accurate reflection of those items discussed and the conclusions that were reached during the referenced meeting. Please contact State of Iowa - Department of Administrative Services if there are any discrepancies or questions with the content of these minutes.

SECTION 00 0110

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PROCUREMENT AND CONTRACTING REQUIREMENTS

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F.	00 1113	Notice to Bidders
G.	00 2113	Instructions to Bidders
Η.	00 2113.01	IMPACS Electronic Procurement System Instructions
Ι.	00 2113.02	Sample Contractor Certificate of Insurance
J.	00 3126	REMOVED (Addendum #01)
K.	00 3113	Preliminary Schedule
L.	00 3132	Existing Geotechnical Information (Addendum #01)
М.	00 3143	Permit Application
N.	00 4116	Bid Form
О.	00 4116.01	Non-Discrimination Clause Information
Ρ.	00 4116.02	Targeted Small Business Information
Q.	00 4313	Bid Security Forms
R.	00 5200	Agreement Form
S.	00 6000	Payment Bond and Performance Bond Forms

SPECIFICATIONS

1.02 **DIVISION 01 – GENERAL REQUIREMENTS**

A.	01 1200	Contract Summary (Addendum #01)
В.	01 1201	General Work Requirements (Addendum #01)
C.	01 1202	Special Work Requirements (Addendum #01)

- D. 01 2500 Substitution Procedures
- E. 01 2600 Contract Modification Procedures
- F. 01 2900 Payment Procedures
- G. 01 3100 Project Management and Coordination
- H. 01 3100.01 Web Based Construction Management
- I. 01 3200 Construction Progress Documentation
- J. 01 3300 Submittal Procedures
- K. 01 4000 Quality Requirements
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- O. 01 7700 Closeout Procedures

1.03 DIVISION 26 -- ELECTRICAL

A. 26 0500 Common Work Results for Electrical

26 0519	Low-Voltage Electrical Power Conductors and Cables
26 0526	Grounding and Bonding for Electrical Systems
26 0533.13	Conduit for Electrical Systems
26 0553	Identification for Electrical Systems
26 5600	Exterior Lighting
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END OF SECTION

SECTION 00 3132

EXISTING GEOTECHNICAL INFORMATION

PART 1 - GENERAL

1.01 EXISTING GEOTECHNICAL INFORMATION

- A. This Document with its referenced attachments is part of the Procurement and Contracting Requirements for Project. They provide Owner's information for Bidders' convenience and are intended to supplement rather than serve in lieu of Bidders' own investigations. They are made available for Bidders' convenience and information, but are not a warranty of existing conditions.
- B. The existing geotechnical reports related to this Project, were prepared by:
 - 1. Allender Butzke Engineers Inc.

PART 2 - PRODUCTS – NOT USED

PART 3 - EXECUTION – NOT USED

END OF SECTION





GEOTECHNICAL • ENVIRONMENTAL • CONSTRUCTION Q. C.

DECEMBER 22, 2023

PN 231395

GEOTECHNICAL EXPLORATION

PARKING LOT IMPROVEMENTS - LUCAS BUILDING 321 E 12TH STREET DES MOINES, IA

PERFORMED FOR

DCI GROUP 220 SE 6TH STREET - SUITE 200 DES MOINES, IA 50309

ALLENDER BUTZKE ENGINEERS INC

GEOTECHNICAL • ENVIRONMENTAL • CONSTRUCTION O. C.



December 22, 2023

DCI Group 220 SE 6th Street - Suite 200 Des Moines, IA 50309 Attn: Mr. Michael Steen

RE: Geotechnical Exploration Parking Lot Improvements - Lucas Building 321 E 12th Street Des Moines, IA PN 231395

Dear Mr. Steen:

As authorized, Allender Butzke Engineers Inc. (ABE) has completed the geotechnical exploration for the above referenced project. The geotechnical exploration was conducted to evaluate physical characteristics of subsurface conditions with respect to design and construction of this project. The enclosed report summarizes the project characteristics as we understand them, presents the findings of the borings and laboratory tests, discusses the observed subsurface conditions, and provides geotechnical engineering recommendations for this project.

We appreciate the opportunity to provide our geotechnical engineering services for this project. If you have any questions or need further assistance, please contact us at your convenience. We are also staffed and equipped to provide construction testing and inspection services on this project as well as environmental site assessments.

Respectfully submitted, ALLENDER BUTZKE ENGINEERS INC.

TESS IOA 20FESSION4

al Ellerman, E.I. Staff Engineer

Matt Drummond, P.E. **Principal Engineer**

I hereby certify that this engineering document was prepared by me or under my direct personal supervision and that I am a duly licensed Professional Engineer under the laws of the State of Iowa.

2023

Matthew J. Drummond, P.E. License Number 21407 Date My license renewal date is December 31, 2024. Pages covered by this seal: All Pages .

MATTHEW J. BOFESS ION W. MATTHEW J. BOFESS ION 1 PC and Email Above

GEOTECHNICAL EXPLORATION

PARKING LOT IMPROVEMENTS - LUCAS BUILDING 321 E 12TH STREET DES MOINES, IA

PN 231395

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APPENDIX

Boring Log Description/Legend Boring Logs Profile of Borings Site Plan

GEOTECHNICAL EXPLORATION

PARKING LOT IMPROVEMENTS - LUCAS BUILDING 321 E 12TH STREET DES MOINES, IA

PN 231395

December 22, 2023

PROJECT INFORMATION

Plans are being prepared to replace the parking lot north of the Lucas building located at 321 East 12th Street in Des Moines, Iowa. It is our understanding that the traffic for the parking lot will consist primarily of passenger vehicles and light pickup trucks. We further understand the new parking lot pavement will include a 6-inch granular subbase with drains. Appurtenant construction will include the demolition and removal of the existing parking lot which consists of hot mix asphalt (HMA) overlaying Portland cement concrete (PCC).

Based on Light Detection and Ranging (LiDAR) elevation contours, existing grades vary between elevation 872 feet in the southeast portion of the parking lot and elevation 880 feet in the northwest portion of the parking lot. A proposed grading plan was unavailable at the time of this report; however, we assume that the final grades will be near existing grades.

FIELD EXPLORATION

The existing parking lot pavement was cored at 4 locations and Dual mass Dynamic Cone Penetrometer (DCP) tests were conducted of the subgrade soils to depths between 3.6 and 4.2 feet below existing grades on December 5, 2023. Approximate locations of the test cores are shown on the enclosed Site Plan and were measured in the field from existing landmarks. In addition to DCP testing, shallow hand probes were conducted to depths of 3 feet in the underlying soil materials and disturbed samples were obtained for soil classification and to evaluate moisture conditions. A hand operated dynamic cone penetrometer (DCP) test (ASTM D6951) was also performed beneath the pavement to determine the consistencies of soil subgrade.

The DCP test procedure involves driving a stainless steel rod (5/8 inch diameter) with a 0.79 inch diameter cone tip (60° angle) into the soil with a 10.1 pound slide hammer (drop height of 22.6 inches) to measure a penetration rate (inches per blow). An estimated in-situ California Bearing Ratio (CBR) can be correlated with the penetration test measurements and soil types encountered based on research work conducted by the Army Corp of Engineers. The pavement cores were patched at the completion of our exploration. Methods of drilling, sampling, standard

laboratory testing, and classifying of subsurface materials are discussed in the Boring Log Description/Legend pages of the Appendix.

SUBSURFACE CONDITIONS

Soil Profile

Detailed descriptions of soils encountered by this exploration and DCP test results are provided on the Core Logs enclosed in the Appendix.

Hot mix asphalt (HMA) was present at the parking lot surface at all core locations. The HMA varied in thickness between 4 ³/₄ and 8 ³/₄ inches. Portland cement concrete (PCC) pavement was encountered below the HMA pavement in Core Nos. 1, 3 and 4. Broken PCC, with a thickness of approximately 6 inches, underlaid the HMA in Core No. 1 while solid PCC with thicknesses of 5 and 4 ¹/₂ inches underlaid the HMA in Core Nos. 3 and 4, respectively. Six inches of crushed rock and gravel underlaid the HMA pavement in Core No. 2. Dark brown, brown, and brown-gray lean clay (CL) and lean to fat clay (CL-CH) fill underlaid the pavement in each of the borings. The fill was moist to very moist and soft to stiff. All borings terminated in existing fill between depths of 3.6 and 4.2 feet. A summary of the pavement cores and subgrade soils in shown in the following Table A.

Pavement Core No.	HMA Core Thickness	PCC Core Thickness	Subgrade Material
1	6.0	6.0*	Brown-gray lean clay (CL) with sand and brick fragments over very dark brown lean to fat clay (CL-CH)
2	6.0	N/A	6 inches crushed rock and gravel over very dark brown lean to fat clay (CL-CH) with sandy lean clay (CL)
3	4 3⁄4	5.0	Dark brown and brown sandy lean clay (CL) with brick fragments
4	8 3⁄4	4 1⁄2	Dark brown lean clay (CL) over dark brown sandy lean clay (CL)

TABLE APAVEMENT CORE THICKNESSES

*Broken PCC measurement

DCP testing indicates subgrade soils generally exhibited CBR of 2 to 5 within the upper foot of materials below the pavement (depth of approximately 2 feet below top of pavement). At most locations, DCP testing indicates a CBR value of 5 or higher below depths of 2 feet, indicating that 1 foot of subgrade preparation would be adequate in most areas. Subgrade soils at Core No. 3 (SE location) were consistently softer than other locations showing relatively low CBR values of 2 to 4 through the depth of testing, possibly suggesting deeper subgrade prep or other subgrade improvement options may be necessary in this area or other isolated areas.

ANALYSES AND RECOMMENDATIONS

Pavement Subgrade Preparation

Site preparation will include the removal of HMA and PCC pavement. Subgrade soils beneath the pavement consisted of varying material types including lean clay (CL), lean to fat clay (CL-CH) and very moist sandy lean clay (CL). In our opinion, inorganic existing soil such as clean portions of the on-site lean clay (CL) fill (free of debris, low density rubble, and pieces/aggregates larger than 3 inches in size) would be suitable for use as a pavement subgrade, if moisture conditioned. The lean to fat clay (CL-CH) portions of the existing fill are moderately expansive. In our experience, movements from moderately expansive soils are similar to movements that pavement commonly experience due to frost heave. Since pavements will be subject to frost heave, supporting pavements on lean to fat clay (CL-CH) may be acceptable to the owner.

Uniform subgrade support is critical in pavement performance. We recommend that the prepared subgrade depth be at least 1 foot deep after fine grading or trimming and extend 2 feet beyond the edge of the pavements. The recommended 1 foot of compacted subgrade will necessitate undercutting and reworking soils. Subgrade preparation to one-foot depths for some soil types, such as the moist to very moist and softer soils at Core No. 3, may not be suitable under heavy construction vehicle loads and may require stabilization to greater depths, chemical stabilization, or thicker crushed rock subbase. Conducting preliminary proof roll testing after removal of the pavement and prior to subgrade preparation could help to identify the extent of poor/soft subgrade soils which could warrant additional improvements during the subgrade preparation process.

Final subgrade should be proof-rolled to delineate zones of soft soils present near the surface which may require additional removal or compaction. The subgrade support should be relativity uniform with no sudden changes in the degree of support to provide satisfactory pavement performance. Transition between cut and fill areas, varying soil types, and improper subgrade preparation such as inadequate proof-rolling and compaction can result in non-information subgrade support. Subgrade preparation should be completed shortly before paving operations commence and is to be maintained in suitable condition until paved. Damages caused by construction traffic or deterioration due to adverse weather are to be repaired prior to paving.

Depending upon conditions encountered at the time of construction, it may be necessary to moisture condition existing soils to achieve the recommended moisture content range of -1 to +4 percent of optimum moisture content. Soils compacted closer to optimum moisture content will exhibit greater stability beneath construction traffic wheel loads. Suitable cohesive soil compacted to a minimum of 95 percent of maximum dry density determined by ASTM D698 would provide a design support capability equivalent to a CBR value of 3. Subgrade compaction, moisture content, and depth should be tested by an ABE representative.

Pavement Subsurface Drainage

We understand the new pavement will include a granular subbase such as 6 inches of IDOT 4121 granular subbase or 4123 modified subbase and recommend subsurface drain lines be installed to collect water that flows through joints or behind curbs. The permeable subbase should be hydraulically connected to the free draining granular backfill (similar to Iowa DOT Specification 4131) in the subsurface drains. Subsurface drainage may be accomplished with the installation of drain lines similar to the Iowa DOT detail DR-303 or Iowa SUDAS Figure 4040.231. Subdrains beneath the parking lot should be spaced approximately 50 to 75 feet center to center and may be constructed to daylight or be connected to gravity flow storm drains capable of handling discharge.

Pavement Thicknesses

Either rigid (Portland cement concrete, PCC) or flexible (hot mix asphalt, HMA) pavement types could be constructed on the prepared cohesive subgrade. The following Table B summarizes alternate pavement thicknesses for typical lightly-loaded, moderately-loaded and heavily-loaded paved areas. If a minimum 6-inch-thick crushed rock base (such as IDOT 4123 Modified Subbase) with drains is constructed on the compacted subgrade to support the pavement, the recommended thicknesses of PCC or HMA pavement may be reduced by ½ and 1 inch, respectively. However, we recommend the lightly-loaded 5-inch-thick PCC pavement section not be reduced. A more specific pavement evaluation can be provided if traffic volume and loading information is available.

Traffic Volume	Rigid: PCC ¹	Flexible: HMA ²
Lightly-Loaded ³	5" ⁴	6"
Moderately-Loaded	6"	7"
Heavily-Loaded ⁵	7"	8"

TABLE B TYPICAL PAVEMENT THICKNESSES

1) PCC - Flexural strength of 550 psi

2) Type A HMA - Structural coefficient of 0.44/inch

3) Automobile and 1 to 2 trucks average daily traffic

4) Thickness reduction due to crushed rock subbase does not apply

5) Entrances, delivery areas, dumpster areas or other areas of heavier truck traffic (25 trucks or less per day)

The above pavement thicknesses are considered to be typical and would require periodic maintenance. This maintenance would consist of sealing cracks/joints and replacement of isolated distressed areas. Thicker pavement sections would reduce maintenance and increase the pavement service life. Likewise, thinner sections would be expected to have a shorter service life that still may satisfy particular project needs but may require more maintenance. Other criteria which influence pavement service life include surface drainage, subsurface drainage, paving material quality, reinforcement, and joint design. Construction procedures involving placement, finishing, curing, jointing and weather protection can significantly impact pavement performance.

Frost Heave

Key elements contributing to frost heave including freezing temperatures, available water, and fine-grained frost susceptible soils are generally present at sites in Iowa. As a result, frost heave problems are generally common (and most noticeable) in pavements or sidewalks adjacent to non-frost susceptible elements such as manholes, intakes, and light poles. Frost heave can cause pavement cracks to develop parallel to and several feet from pavement edges. This generally occurs where cleared paved areas exposed to freezing temperatures heave more than adjoining paved areas insulated by piled snow, especially in low-lying areas. Sometimes it is not readily apparent why frost heave problems occur at one location and not at another seemingly similar location.

While it is appropriate to implement measures to reduce frost heave such as replacing frost susceptible soils with less frost susceptible soils, sealing cracks/joints to reduce surface water infiltration, or drainage improvements (surface and subsurface), these measures may simply move the frost heave problem to a different location where preventative measures have not been

implemented. Having a smooth transition between heaved and non-heaved areas is desirable, but may be difficult and/or costly to accomplish.

GENERAL

The analyses and recommendations in this report are based in part upon the data obtained from the soil borings performed at the indicated locations and from any other information discussed in this report. This report does not reflect any variations which may occur between borings or across the site. The nature and extent of such variations may not become evident until construction. If variations then appear evident, it will be necessary to reevaluate the recommendations of this report.

It is recommended that the geotechnical engineer be provided the opportunity to review the plans and specifications so that comments can be made regarding the interpretation and implementation of our geotechnical recommendations in the design and specifications. It is further recommended that the geotechnical engineer be retained for testing and observation during earthwork and foundation construction phases to help determine that the design requirements are fulfilled.

This report has been prepared for the exclusive use of our client for specific application to the project discussed and has been prepared in accordance with generally accepted geotechnical engineering practices. No warranty, expressed or implied, is made. In the event that any changes in the nature, design or location of the project as outlined in this report are planned, the conclusions and recommendations contained in this report shall not be considered valid unless the changes are reviewed, and the conclusions of this report modified or verified in writing by the geotechnical engineer.

The scope of our service was not intended to include any environmental assessment or exploration for the presence of hazardous or toxic materials in the soil, surface water, groundwater, or air on, below or adjacent to this site.

APPENDIX

BORING LOG DESCRIPTION/LEGEND

(page 1 of 3)

The material types encountered during the drilling operations were recorded on field logs. The profile represented on the Boring Log is based on final classification performed by a geotechnical engineer using the field logs, laboratory observation and testing. The material stratigraphy demarcation lines shown on the Boring Logs indicate changes in soil characteristics, however, actual soil changes or variations may occur as a gradual transition. Soil profile discussion, Log Boring information, water levels and recommendations presented in this report are based upon measured depths below ground levels existing at time of the field exploration, unless otherwise specified.

DRILLING AND SAMPLING

The borings were conducted with either a truck or all-terrain rotary drill rig using the drilling methods indicated on each Boring Log. Soil sampling and/or in-situ testing such as Shelby Tube (ST), split-spoon (SS), drive cone (DC), or core (C) was conducted at depth intervals which were selected in consideration of the characteristics of the proposed construction. Generally undisturbed soil samples are taken at 5 foot depth intervals or change in soil types. Disturbed soil samples from the auger, either jar size or bulk size samples, may be taken at intermediate intervals for the purpose of soil classification or laboratory testing. Borings conducted for soil classification only, will show no designation of sampling although disturbed sampling is performed. Soil samples obtained in the field were identified and sealed for transportation to the laboratory for performance of pertinent physical testing and engineering classification.

Drilling Methods

- CFA Continuous Flight Auger: 4, 6, or 8-inch diameter (ASTM D1452).
- RD Rotary Drilling: Using drilling fluid in cased or uncased boring (ASTM D2113).
- HSA Hollow Stem Auger: 6 or 8-inch diameter, continuous flight auger remains in boring with soil removed from the hollow stem through which undisturbed sampling is conducted.
- HA Hand Auger: 4-inch or less diameter.

Sample Types

- ST Shelby Tube: Thin-walled tube samples of cohesive soils (ASTM D1587).
- SS Split Spoon with 140 lb. manual hammer: Standard penetration test and split-barrel samples (ASTM D1586).
- SSA Split Spoon with 140 lb. automatic hammer: Standard penetration test and split-barrel samples (ASTM D1586).
- DC Drive Cone: Dynamic in-place testing of soil using a 2-inch diameter cone with a 60 degree point driven into the soil for continuous 1-foot intervals in the same manner as Split Spoon, no sample is obtained.
- C Core: Sampling hard soil or bedrock with a diamond core barrel in a rotary drill boring (ASTM D2113).
- SPT Standard Penetration Test: Number of blows required to drive sampler (split spoon or drive cone) into the soil with a 140pound weight dropping a distance of 30-inches (ASTM D1586), number of blows recorded for each 6-inch interval in an 18inch (or more) penetration depth, values shown are for each 6-inch interval (if series of number sets are shown) or a total of the last two 6-inch intervals (if only one number is shown) which is commonly referred to as "N" in blows per foot. High resistance is indicated by a high number of blows for a lesser penetration depth listed in inches.
- BS Bulk Sample: Disturbed.
- CPT Cone Penetration Test: Quasi-static in-place testing of soils using a 60 degree cone and friction sleeve which are steadily pushed into the soil and measure skin friction and end bearing (ASTM D3441).

STANDARD LABORATORY TESTING

Representative undisturbed soil samples obtained by the Shelby Tube sampler were tested for moisture content (ASTM D2216), density (dry) and unconfined compressive strength (ASTM D2166) in the laboratory. Results of these tests appear on the respective Boring Logs. Additional soil testing including particle size analysis (ASTM D422) and Atterberg Limits (ASTM D4318) may be conducted, if necessary, to define in more detail pertinent soil characteristics for classification in accordance with the Unified Soil Classification System. Specialized laboratory tests (if conducted) to determine pertinent soil characteristics are discussed in the "Laboratory Testing" section of the report.

WATER LEVEL MEASUREMENT

Water levels indicated on the Boring Logs are the levels measured in the borings at the times indicated. In pervious soils, the indicated levels may reflect the location of groundwater. In low permeability soils, the accurate determination of groundwater levels is not possible with short term observations.

BORING LOG DESCRIPTION/LEGEND

(page 2 of 3)

DESCRIPTIVE SOIL CLASSIFICATION

Soil description is based on the Unified Classification System as outlined in ASTM Designations D-2487 and D-2488. This classification is primarily based upon visual and apparent physical soil characteristics, comparison with other soil samples, and our experience with the soil. Additional laboratory testing may be conducted, if necessary to define in more detail pertinent soil characteristics. The Unified Soil Classification group symbol shown on the boring logs corresponds with the group names listed below. The description includes soil constituents, moisture conditions, color and any other appropriate descriptive terms.

Group Symbol	Group Name	Group Symbol	Group Name	Group Symbol	Group Name	Group Symbol	Group Name
GW	Well-Graded Gravel	SW	Well-Graded Sand	CL	Lean Clay	СН	Fat Clay
GP	Poorly-Graded Gravel	SP	Poorly-Graded Sand	ML	Silt	MH	Elastic Silt
GM	Silty Gravel	SM	Silty Sand	OL	Organic Clay Organic Silt	ОН	Organic Clay Organic Silt
GC	Clayey Gravel	SC	Clayey Sand			РТ	Peat

RE	CLATIVE PROPORTIO	GRAIN SIZE TERMINOLOGY			
Descriptive Term(s) (Of components also present in sample)	Sand and Gravel % of Dry Weight	Fines % of Dry Weight	Major Component of Sample	Size Range	
Trace	<15	<5	Cobbles	12 in. to 3 in. (300mm to 75mm)	
With	15-30	5-12	Gravel	3 in. to #4 sieve (75mm to 4.75mm)	
Modifier	>30	>12	Sand	#4 to #200 sieve (4.75mm to 0.074mm)	
			Silt or Clay	Passing #200 sieve (.074 mm)	

CONSISTEN	CY OF FINE-GRAINE	RELATIVE DENSITY OF COARSE-GRAINED SOILS			
Unconfined Compressive Strength, Qu, psf	Consistency	SPT, bpf	SPT, bpf	Relative Density	
< 500	Very Soft	0-2	0-4	Very Loose	
500-1,000	Soft	2-4	4-10	Loose	
1,000-2,000	Medium Stiff	4-8	10-30	Medium Dense	
2,000-4,000	Stiff	8-15	30-50	Dense	
4,000-8,000	Very Stiff	15-30	50-80	Very Dense	
8,000-16,000	Hard	30-100	80+	Extremely Dense	
> 16,000	Very Hard	>100			

BORING LOG DESCRIPTION/LEGEND

(page 3 of 3)

ABBREVIATIONS

COMMONLY USED ABBREVIATIONS							
ft. or ' - feet	elev Elevation						
in. or " - inches	% - Percent						
psf - pounds per square foot	No Number						
plf - pound per lineal foot	TB - Test Boring						
pcf - pounds per cubic feet	N - blow count (SPT, bpf)						
kip - 1000 pounds	USCS - Unified Soil Classification System						
ksf - 1000 pounds per square foot	LL - Liquid Limit						
klf - 1000 pounds per lineal foot	PL - Plastic Limit						
tsf - tons per square foot	PI - Plasticity Index						
bpf - blows per foot (SPT, N)							

			CORE N	10	1	Project No.:	<u>231395</u>
Project: Client:	<u>Parkii</u> 321 E Des M DCI (220 SI Des M	ng Lot 12th S loines, Froup E 6th S loines,	t Improvements - Luca Street , Iowa Street - Suite 200 , IA 50309	s Bldg		TOP INCHES 1 2 2 3 	
Date Dr Drilling Surface Datum:	illed: Metho Eleva	d: <u>C</u> ation: Es	12/05/2023 Coring, DCP, and Hand 878'± stimated from LiDAR	Probe			
Remark	5:						
Elevation ft.	Depth ft.	Moisture Content, %	California Bearing Rati Correlated from Dynamic Cond Penetrometer (ASTM D6951) 5 10 15 20	0	Material Description*	Graphic Log USCS	Water Level Depth Elevation ft.
878	0				HMA (6'')		0.5
876 -	- 2	22.0		Brov fragi	Broken PCC (6"±) wn-gray lean clay with sand and brick ments, moist	CL	877.5 - 1.0 877.0 -
874 -	- - - 4	24.6		Very	FILL y dark brown lean to fat clay after 3.2'	CL- CH	4.2 -
872 -	- 6			End o	f Boring		873.8
*							
The str	atificatio	n lines r	epresent the approximate bour	ndary lines	s between material types: in-situ, the transition r	may be gradual.	
Time:	at com	pletion	hrs.	ALI	LENDER BUTZKE ENG	INEERS,	INC.
water:	Dry	ft. =	⊊ ft. <u>₹</u>	Ge	eotechnical Environmental Co	onstruction	Q.C.

				CORE	NO.	2			F	Project	No.:	<u>231</u>	.395
Project:	<u>Parkii</u> <u>321 E</u> Des M	ng Lot 12th S loines,	: Improve Street Iowa	ments - Lu	cas Blo	<u>lg</u>		đ			TC	рР	
Client:	DCI (220 SI Des M	Eroup E 6th S loines,	Street - Su IA 50309	iite 200					#2			- - 2	
Date Dr Drilling Surface Datum:	rilled: Metho Eleva	d: <u>C</u> ation: Es	12 Coring, D(stimated f	/05/2023 CP, and Ha 874'± rom LiDAl	nd Pro R	obe		Y				3	
Remark	s:											- 6 - 7	
Elevation ft.	Depth ft.	Moisture Content, %	California Correlated Penetrome	from Dynamic C eter (ASTM D69	atio		Materia	al Description	n*	Graphic Log	NSCS	Water Level	Elevation ft.
874	0]	HMA (6'')					0.5
872 -	-2	25.0 25.8				Very dar sandy lea	(6'' ±) and with brow	vn	CL- CH		873.5 - <u>1.0</u> 873.0 -		
870 -	- 4				E	nd of Bo	ring						<u>3.6</u> 870.4 _
868 -	atificatio	n lines re	epresent the	approximate b	oundary	lines betv	veen materia	al types: in-situ, th	ne transition m	nay be gra	idual.		
Time:	at com	pletion		hrs.	A	LLE	NDER	BUTZKI	E ENG	INEE	RS,	IN	C.
Depth to water:	Dry	ft. =	<u>_</u>	ft. 🕎		Geote	chnical	Environme	ental Co	nstruct	ion () .C.	

				CORE	NO.		3		Project	No.:	23139	95
Project: Parking Lot Improvements - Lucas B 321 E 12th Street Des Moines, Iowa Client: DCI Group 220 SE 6th Street - Suite 200 Des Moines, IA 50309 Date Drilled: 12/05/2023 Drilling Method: Coring, DCP, and Hand P Surface Elevation: 874'± Datum: Estimated from LiDAR Remarks: Image: Street												
Elevation ft.	Depth ft.	Moisture Content, %	California Correlated fro Penetromete	Bearing Ra	atio one 51)		Material Description	on*	Graphic Log	NSCS	Water Level Depth	Elevation ft.
874	0		5 10				HMA (4 75")					
	-						PCC (5")		0.44.0		8	73.6
872 -	- 2	21.9			I	Dark l fragm	prown and brown sandy lean ents, very moist FILL	clay with bric	ck	CL	8	<u>0.8</u> 73.2
	-	22.9										3.7
870 -	- 4 				Er	nd of]	Boring				8	70.3 _
868 -	\downarrow_6											_
*The st	ratificatio	n lines r	epresent the a	pproximate bo	bundary l	lines b	etween material types: in-situ,	the transition	may be gra	idual.		
Time:	Wate at com	er Level	Observation	hrs.	A	LL]	ENDER BUTZK	E ENG	INEE	RS,	INC	I ∕●
Depth to water:	Dry	ft	<u>_</u>	ft. 🕎		Geo	technical Environn	nental Co	onstruct	ion (Q.C.	

			CORE NO	D	4		Project No.:	<u>231395</u>
Project:	<u>Parki</u> 321 E	ng Lot 12th S	: Improvements - Lucas] Street	Bldg			ТОР	
	Des M	loines,	, Iowa					
Client:	DCI (Froup				*	<u> </u>	
	<u>220 SI</u>	E 6th 8	Street - Suite 200					
	Des M	loines,	, IA 50309				4	
Date Drilled:12/05/2023Drilling Method:Coring, DCP, and Hand PSurface Elevation:877'±Datum:Estimated from LiDAR								
Remarks	5:						9 10 10 11 11 12 13 - 14	•
Elevation ft.	Depth ft.	Moisture Content, %	California Bearing Ratio	Material Description*				Water Level Depth Elevation ft.
	0				Н	IMA (8.75'')		0.7
876 -]	PCC (4.5")		876.3
-	- 2	23.2		Dark	brown lean cla	ay, trace sand and gravel, n	noist CL	<u> </u>
074	-					FILL		-
8/4 -	- 4	20.1		Dark	brown sandy l	ean clay, trace gravel after	3'	4.1 -
	-			End of	Boring			872.9
872 -								_
*The str	atificatio	n lines r	epresent the approximate bound:	 ary lines b	etween mater	ial types: in-situ, the transitio	n may be gradual.	
Time:	Wate at com	er Level	Observation hrs.	ALL]	ENDER	BUTZKE EN	GINEERS,	INC.
Depth to water:	Dry	ft	₩ ft. ₩	Geo	otechnical	Environmental C	Construction (Q.C.



Approximate Pavement Core Location

Not To Scale

ALLENDER BUTZKE ENGINEERS INC.

3660 - 109th Street Urbandale, IA 50322



Parking Lot Improvements – Lucas Building **321 E 12th Street Des Moines, IA**

PN 231395 Site Plan

NOTES

SECTION 00 4116

BID FORM

The Bid Form must be submitted online through the State's <u>IMPACS Electronic Procurement</u> <u>System</u>.

RFB #937600-01

BID FORM for CONSTRUCTION CONTRACT for Parking Lot #15 Replacement 321 E 12th St. Des Moines, IA Project 9376.00

Iowa Department of Administrative Services Hoover State Office Building, Level 3 1305 East Walnut Street Des Moines, Iowa 50319-0105

The following information is to be completed and submitted with your bid..

- 1. Bid Form Completed and Signed (to be uploaded with bid submission)
- 2. Non-Discrimination Clause Information
- 3. Contractor Targeted Small Business Enterprise Pre-Bid Contract Information
- 4. Bid Security 5% of total Bid amount (to be uploaded with bid submission)

Authorized Representative:

The undersigned Bidder, in response to your Request for Bid for construction of the above project, having examined the Drawings, Specifications, and other Bidding Documents dated March 20th, 2024 and Addenda issued and acknowledged below as received and being familiar with all the conditions surrounding the construction of the proposed project including the availability of materials and labor, hereby proposes to furnish all labor, materials, equipment and supplies to perform all work to construct the project in strict accordance with the proposed Contract Documents, within the time and at the prices stated below. Prices are to cover all expenses incurred in performing the work required under the proposed Contract Documents, of which this bid is a part.

Bidder acknowledges receipt of the following Addenda which are a part of the Bidding Documents and for which any effect on cost of the Work is included in the bid amounts indicated:

Number

Dated

Note that the State of Iowa is exempt from State and Local sales and use taxes (including local option and school option) for this project. Taxes on construction materials shall NOT be included in the bid amounts.

Amounts shall be indicated in both words and figures. In case of discrepancy, the amount indicated in words shall govern.

BID PACKAGES:

BP 01

Description: Parking Lot Replacement

Bidder proposes and agrees to perform all work as described in the Construction Documents for the sum of:

	Dollars	;
).	
<u> </u>	ALTERNATES:	
A	ALT 01	
C	Description: REMOVE Storm Sewer Removal and Replacement of Pipe ST 1.2	
E tl	Bidder proposes and agrees to perform all work as described in the Construction Documents for the sum of:	-
_		_
((\$).	
A	ALT 02	
A C F	ALT 02 Description: REVISE Specified Pavement Marking Requirements and Materials: Bidder proposes and agrees to perform all work as described in the Construction Documents for	-
A E tl	ALT 02 Description: REVISE Specified Pavement Marking Requirements and Materials: Bidder proposes and agrees to perform all work as described in the Construction Documents for the sum of:	-
	ALT 02 Description: REVISE Specified Pavement Marking Requirements and Materials: Bidder proposes and agrees to perform all work as described in the Construction Documents for the sum of:	-
A E t I (ALT 02 Description: REVISE Specified Pavement Marking Requirements and Materials: Bidder proposes and agrees to perform all work as described in the Construction Documents for the sum of: (\$).	- _
	ALT 02 Description: REVISE Specified Pavement Marking Requirements and Materials: Bidder proposes and agrees to perform all work as described in the Construction Documents for the sum of: (\$). UNIT PRICES:	-
	ALT 02 Description: REVISE Specified Pavement Marking Requirements and Materials: Bidder proposes and agrees to perform all work as described in the Construction Documents for the sum of: (\$). UNIT PRICES: UNIT 01	-
	ALT 02 Description: REVISE Specified Pavement Marking Requirements and Materials: Bidder proposes and agrees to perform all work as described in the Construction Documents for the sum of: (\$). UNIT PRICES: UNIT 01 Description: Add an Additional 1,000 Sq/ft of Concrete For Sidewalk Replacement	-
	ALT 02 Description: REVISE Specified Pavement Marking Requirements and Materials: Bidder proposes and agrees to perform all work as described in the Construction Documents for the sum of: (\$). UNIT PRICES: UNIT 01 Description: Add an Additional 1,000 Sq/ft of Concrete For Sidewalk Replacement	-

UNIT 02

Description: Provide per cubic yard unit pricing for removal and haul off site of unsuitable soils.

		Dollars
	(\$)/ cubic yard.	
	UNIT 03	
	Description: Provide per cubic yard unit pricing to provide, place, and compact additional gra subbase.	nular
		Dollars
	(\$)/ cubic yard.	
RP 02	,	
Jesch		
3idder of:	r proposes and agrees to perform all work as described in the Construction Documents for the	sum
	Dol	lars
\$).	
Bidder	r hereby certifies that:	
1.	This bid is genuine and is not made in the interest of or on behalf of any undisclosed person, or corporation;	firm
2.	Bidder has not directly or indirectly induced or solicited any other bidder to put in a false or sl bid; Bidder has not solicited or induced any person, firm or corporation to refrain from bidding and Bidder has not sought by collusion to obtain any advantage over any other bidder or over	nam j; r the
3.	Owner. Bidder hereby certifies that the Bidder is registered with the Iowa Labor Commissioner as a	
4.	Bidder agrees to comply with all Federal and State Affirmative Action/Equal Employment Opportunity requirements concerning fair employment and will not discriminate between or	
5.	among them by reason of race, color, religion, sex, national origin or physical handicap. All construction under this Contract shall conform to the requirements of the <i>Iowa State Build</i>	ling
0	UUUE. Didden ennege that this hid shall sensin well-hand shall not he with desire for a serie haf thit.	(00)

6. Bidder agrees that this bid shall remain valid and shall not be withdrawn for a period of thirty (30) calendar days after the date for receipt of bids.

- 7. Bidder agrees that if written notice of acceptance of this bid is mailed, emailed, or delivered to the undersigned within thirty (30) days after the date in which bids are due, or at any time thereafter before it is withdrawn, the undersigned will sign and return the Contract Agreement, prepared in accord with the Bidding Documents and this bid as accepted; and will also provide proof of insurance coverage and required surety bonds.
- 8. Bidder understands that the Owner reserves the right to reject any and all bids, and to waive irregularities or informalities and enter into a contract for the work, as the Owner deems to be in the best interest of the State.
- Bidder understands that the Owner reserves the right to accept any, or no, Alternate Bid, if requested, and that the Alternate Bids may be considered in any order or combination, and the low Bidder shall be determined on the basis of the sum of the base bid and any Alternate(s) accepted.

Subcontractors:

The Trade Contractor must identify all Subcontractors and Suppliers within 48 hours of the published date and time for which bids must be submitted, in accordance with Iowa Code Section 8A311, as amended by House File 646 in 2011. Subcontractors and suppliers may not be changed without the approval of the Owner. Requests for changing a Subcontractor or supplier must identify the reason for the proposed change, the name of the new Subcontractor or supplier, and the change in the subcontractor or supplier price as a result of the change. Any reduction in subcontractor or supplier price as a result of the change, if the change is approved by the Owner, shall be deducted from the Trade Contract Price via a deductive Change Order. Any such changes, if approved by the Owner, which result in an increase in the Trade Contract Price shall be borne by the Trade Contractor.

Enforcement of Reciprocal Resident Bidder Preference, per Iowa Code 73A.21.

All bidders shall either check the box next to "Resident Bidder" or check the box next to "Nonresident Bidder" and by doing so and signing thereafter certifies and attests to the same. All information requested must be provided. Seek out the advice of an attorney if you have questions.

"Resident Bidder" means a person or entity authorized to transact business in of the State of Iowa and having a place of business for transacting business within the State of Iowa at which it is conducting and has conducted business for at least three years prior to the date of the first advertisement for the public improvement. Note, however, that if a nonresident bidder's state or foreign country has a more stringent definition of a resident bidder, the more stringent definition is applicable as to bidders from that state or foreign country.

Resident Bidder

Name of Resident Bidder: _____

By: ______ Authorized Agent and Signatory of Resident Bidder

OR:



Nonresident Bidder

Name of Nonresident Bidder: _____

Name of State or Foreign Country of Nonresident Bidder:

Particularly identify and describe any preference, labor preference, or any other type of preferential

treatment, in effect in the nonresident bidder's state or foreign country at the time of this bid:

NOTICE: Nonresident Bidders domiciled in a state or country with a resident labor force preference shall make and keep, for a period of not less than three years, accurate records of all workers employed on the public improvement. The records shall include each worker's name, address, telephone number when available, social security number, trade classification, and the starting ending time of employment.

By:	
Authorized Agent and	Signatory of Nonresident Bidder

Bid Form shall be signed by an officer of the company with authority to bind in a contract. Notice of acceptance of this bid, or request for additional information by the Department of Administrative Services, may be addressed to the undersigned at the address set forth below:

Legal Name of Firm:
Date:
Signature of Bidder:
Title:
Typed Name of Signatory:
Email:
Business Address:
Telephone Number: Fax Number:
Federal Tax Identification Number:
Iowa Contractor Registration Number:
Bidder Safety Manager Name:
For an out-of-state Bidder, Bidder certifies that the Resident Preference given by the State or
Foreign Country of Bidder's residence,, is, w.

END OF SECTION

SECTION 01 1200

CONTRACT SUMMARY

PART 1 - GENERAL

1.01 SECTION INCLUDES

- A. Project Information
- B. Project Summary
- C. Bid Scope Summary
- D. Work Hour Restrictions
- E. Access to Site
- F. Coordination with Occupants
- G. Rules for Construction Workers
- H. Bid Package Instructions

1.02 PROJECT INFORMATION

- A. Facility Name/Location: Parking Lot #15, Lucas Building 321 E 12th St. Des Moines, IA 50319
- B. DAS Project #: 9376.00
- C. Owner: State of Iowa, Department of Administrative Services, Hoover State Office Building, Level 3, 1305 East Walnut Street, Des Moines, IA 50319
- D. Owner's Representative: Brad Tonyan, Iowa Department of Administrative Services, 109 SE 13th Street, Des Moines, IA 50319
- E. Construction Manager: Michael Steen, DCI Group, 220 SE 6th St Suite 200, Des Moines, IA 50309

1.03 PROJECT SUMMARY

- A. The project includes Parking Lot #15 replacement on the State of Iowa's Capitol Complex.
- B. Target date to provide substantial completion is September 19, 2024.

1.04 BID SCOPE SUMMARY

- A. Scope Applicable to All Bid Packages:
 - 1. General Work Requirements and Special Work Requirements.
 - 2. The Contractor's Work includes all labor, supervision, materials, equipment, services, supplies, tools, facilities, transportation, hoisting, storage, receiving, licenses, inspections, certifications, overhead, profit, or other items required or reasonably inferable to properly and timely perform and complete all work and services to be performed by the Contractor pursuant to this Agreement. Unless specifically stated otherwise, incidental work required to accomplish the work of this Bid Package shall be included the bid. This would include, but not be limited to, temporary facilities, protection of the work, security of equipment, materials, and work in progress, etc. Contractor's Work shall be performed in accordance with the Drawings, Specification Divisions 00 and 01, and Specification sections applicable to each Contractor's scope.
 - 3. Contractor is responsible for all labor and equipment to unload, account for all material delivered, stock, and delivery for this scope of work. Storage and delivery of materials and equipment at the Site shall be permitted only to the extent approved in advance by the Construction Manager, and if anything so stored obstructs the progress of any portion of the work, it shall be promptly removed or relocated by the Contractor without reimbursement.
 - 4. On site supervision by Prime Contractor at all times work by that contractor or their subcontractors/suppliers is taking place.

- 5. Provide all temporary facilities required for this scope of work including trailer, trailer power, telephone, secured storage, temporary power for work, temporary and task lighting for work, etc. as determined necessary by Contractor. Coordinate location of trailers, material storage and utility lines with Construction Manager. Limited space is available, and permission to bring any such facility or excess materials on to the site shall be approved by the Construction Manager.
- 6. Contractor shall provide all equipment and tools for Contractor's own cleanup. Clean up shall be done at end of every shift or more frequently if required for the Contractor to perform their work, for other Contractors to perform their work, as required by the Owner's operations, and at the discretion of the Construction Manager.
- 7. All turf, landscaping, and subgrade disturbances caused by equipment traffic or other activities related to the Contractor's scope shall be repaired or restored to proper conditions by the Contractor.
- 8. Protect adjacent existing building elements from damage from Scope of work. Repair existing building elements damaged during Contractor's Scope of work.

1.05 WORK HOUR RESTRICTIONS

A. Work hours are from 7:00 AM to 5:00 PM, Monday through Friday unless arrangements are made in advance.

1.06 CONTRACTOR USE OF SITE AND PREMISES

- A. Construction Operations: Limited to areas noted on Drawings.
- B. Provide access to and from site as required by law and Owner:
 - 1. Emergency Building Exits During Construction: Keep all exits required by code open during construction period; provide temporary exit signs if exit routes are temporarily altered.
 - 2. Do not obstruct roadways, sidewalks, or other public ways without permission of Owner and permit if required.
- C. Facility will be occupied at all times during duration of work. Contractor personnel shall conduct themselves in an agreeable manner at all times. Failure to do so may result in removal from the work site.

1.07 OWNER OCCUPANCY

- A. Owner intends to occupy the Project upon Substantial Completion.
- B. Cooperate with Owner to minimize conflict and to facilitate Owner's operations.
- C. Schedule the Work to accommodate Owner occupancy.

1.08 RULES FOR CONSTRUCTION WORKERS

- A. The staff of the State of Iowa has a responsibility to protect the public by providing a secure environment. All work site rules must be followed to the letter, at all times.
- B. All construction workers must have a background check completed prior to entering the campus to perform work.
- C. Hot Work Permit Processes and Fire Watch, when necessary, will be adhered to for this project.
- D. All State properties are tobacco free. No smoking will be permitted or tolerated on campus unless in designated areas.
- E. You are permitted access only to the work site and no other area of the institution.
- F. No drugs, alcohol, or firearms are allowed on the work site.
- G. Do not leave money, drugs, alcohol, or firearms in your personal vehicle.
- H. Company and personal vehicles are to be parked and locked in designated or authorized area of the work.
- I. Secure all tools at the end of the day.
- J. Maintain control of all tools, supplies, and debris at all times during the work.

- K. Never leave keys in any vehicle. If a security officer finds keys in a vehicle, they are under orders to turn them in to a security supervisor.
- L. During an emergency, follow the instructions of the security staff.

1.09 BID PACKAGE INSTRUCTIONS

- A. **Bid Package #01** Parking Lot Replacement: Trade Contractor shall include all of the following, but not limited to, as part of the contract:
 - 1. General
 - a. Temporary restroom and handwashing facilities to be provided by this contractor for the use of all contractors for the duration of construction in accordance with OSHA guidelines.
 - b. Contractor to coordinate with City of Des Moines for any sidewalk or driving lane closures.
 - c. It shall be the responsibility of this contractor to coordinate a joint locate meeting with DAS, Iowa OneCall, DCI Group, and the contractors.
 - d. Contractors shall store construction equipment within the work area whenever feasible. Additional staging can be made available by request if required.
 - e. The contractor shall be responsible for controlling track off to existing pavement. This shall include sweeping existing roads to remove all track off as needed and at minimum daily.
 - f. This contractor shall install and maintain 4-foot-tall green construction fencing at all areas of construction Contractor shall assume pedestrian traffic will be in the area throughout the project duration. This includes closing off sidewalks and drive lanes as shown in the contract documents.
 - g. Contractor shall keep equipment and materials off existing landscaping and turf. Any damage to existing conditions that are to remain will be repaired at this contractor's expense.
 - h. This Contractor is responsible to dispose of all construction debris. The contractor shall coordinate with the Construction Manager on placement of dumpsters if needed.
 - i. This Contractor is responsible to keep adjacent paving and sidewalks clear and free of debris. This Contractor shall clean up any track out on a daily basis.
 - j. This Contractor is responsible for all pedestrian and traffic control and signage as needed to maintain a safe route of access to building and public pathways.
 - k. Road closed signs and directional signage will be required at all drives, sidewalks, and lot entrances closed as part of this work.
 - 2. Erosion Control
 - a. This contractor shall be responsible for procuring an NPDES General Permit No. 2 and development of Stormwater Pollution Prevention Plan (SWPPP).
 - b. This contractor is responsible for executing the requirements of the NPDES permit and SWPPP. This shall include the installation, maintenance, and removal of all erosion control. This contractor shall be responsible for all inspections at a minimum of every seven calendar days. Inspections reports shall be uploaded to Procore.
 - c. This contractor shall be responsible for the inspections and documentation of the erosions control measures weekly and after rain events. Inspections reports shall be uploaded to Procore at minimum weekly.
 - 3. Demolition
 - a. The contractor will be responsible for surveying, staking, and layout.
 - b. Provide all labor, materials, and equipment necessary to conduct all demolition as required for this project. This shall include, but not necessarily be limited to, the

complete removal and disposal of existing paving, sidewalks, bollards, pavement saw cutting, drains, existing subgrade and soils removals.

- c. Contractor shall protect existing camera poles footings and handholes on north side of the parking lot.
- d. The contractor shall protect existing electrical vaults, sidewalks, curbs, storm sewers, tunnel walls and lid, and steps paving as noted in the contract documents.
- e. This Contractor shall protect all adjacent surfaces, trees, and plantings to remain.
- f. This Contractor is responsible for all saw cutting as needed to remove pavement and sidewalk as shown.
- g. This Contractor is responsible to haul and remove all rubble off site.
- h. This contractor shall demolish the foundations and light poles. Light fixtures to be salvaged by Bid Package #02 prior to demolition.
- 4. Paving
 - a. This Contractor is responsible for the complete paving scope including, but not limited to, surveying, stacking, subgrade prep, subbase, concrete, rebar, curbs, expansion joints, control joints and striping.
 - b. This contractor shall be responsible for subgrade preparation. This shall include wetting or drying as necessary, dewatering, compaction, and subgrade testing coordination with third-party agency contracted by Owner.
 - c. The contractor shall be responsible for the new 12" subgrade prep, 6" modified subbase and all new concrete.
 - d. The contractor shall provide all pavement markings as shown on the contract documents. The contractor shall provide all pavement markings in a groove in a single pass using stacked diamond cutting heads, groove to meet Iowa DOT specifications section 2527.03.H prior to applying pavement markings. Striping shall be 4" solid yellow lines unless noted otherwise. The contractor shall provide a layout that is approved by the owner prior to being applied. Pavement markings shall be completed after each phase.
 - e. The contractor shall note that the parking lot will be divided into two phases of construction.
 - f. Contractor shall provide detectable warning pads at new sections of sidewalk as shown in the contract documents.
 - g. This Contractor is responsible for new subdrains, piping as shown along with all cutting and fittings required to make connection to existing storm sewer.
 - h. This Contractor is responsible to repair any damage to existing subdrainage noted to remain.
 - i. The contractor shall provide material certifications to the Engineer.
 - j. Cracks and ponding in pavement that occur prior to turnover shall be corrected by the removal of pavement to the nearest joint and replacement at the contractor's expense.
 - k. Contractor shall power wash all pavement after backfilling and sod but prior to parking lot stripping.
- 5. Storm Sewer
 - a. This Contractor is responsible for the complete scope of work as necessary to adjust existing intakes.
 - b. This Contractor is responsible for complete scope of new utilities.
 - c. This Contractor is responsible to connect new utilities to existing structures.
 - d. Contractor shall install subdrain at slopes necessary to achieve desired depth. Install inserta-tee or approved equal at pipe connection when necessary to achieve desired depth.
 - e. Contractor shall install temporary connections as needed to ensure positive drainage during construction.
 - f. Where existing utilities may be uncovered or disturbed during construction activities, contractors shall locate by hand to identify exact location and depth to

avoid damage. This shall include communications and fiber optic cabling were shown beneath pavement and/or utility crossings.

- 6. Site Restoration
 - a. The contractor shall be responsible for backfilling all curbs after proper curing.
 - b. It shall be the responsibility of this contractor to repair all landscaping or existing conditions damaged by construction activities. This shall include sod with a minimum of 6" of top soil and initial watering of turf along the north and south edge of the parking lot. Contractor shall provide product data for sod prior to approval.
- Alternate #01 REMOVE Storm Sewer Removal and Replacement of Pipe ST 1.2: Trade Contractor shall provide a lump sum price to include all the following, but not limited to, as part of the alternate:
 - a. Remove the requirement to replace pipe ST 1.2 (225 LF of 15" Dual Wall HDPE) as shown on the Utility Plan Sheet C301. The existing ST 1.2 storm sewer pipe shall be left in place and connected to the proposed Intake INT 1.1. Removal and replacement of a small portion of the existing pipe west of INT 1.1 may be required for the intake construction and shall be considered incidental to the intake construction.
 - b. Removal and replacement requirements of the storm sewer pipe ST 1.1 are not revised as part of this Alternate and shall be included in the project.
 - c. Coordination: Provide a lump sum deduct amount as necessary to completely integrate work of the alternate into Project.
 - d. Include as part of this alternate the cost to protect the existing storm sewer piping and reconnect to the proposed intake.
 - e. Execute accepted alternates under the same conditions as other work of the Contract.
- Alternate #02 REVISE Specified Pavement Marking Requirements and Materials: Trade Contractor shall provide a lump sum price to include all the following, but not limited to, as part of the alternate:
 - a. Remove Pavement Marking Grooving requirement. Pavement markings to be surface installed according to IDOT specifications with no grooving.
 - b. Revise specifications for Durable Paint Pavement Marking material and replace with Iowa DOT approved Waterborne or Solvent based Paint material.
 - c. Coordination: Provide a lump sum deduct amount as necessary to completely integrate work of the alternate into Project.
 - d. Include as part of this alternate the cost to remove the grinding requirement for all pavement marking areas.
 - e. Include as part of this alternate the cost to revise the paint material specification requirements from Durable Paint Pavement Marking material to Iowa DOT approved Waterborne or Solvent based Paint material. All materials to be provided and installed according to Iowa DOT standard specification requirements including specified or manufacturer recommended surface cleaning and preparation.
 - f. Execute accepted alternates under the same conditions as other work of the Contract.
- **9.** Unit Price #01 Add an Additional 1,000 Sq/ft of Concrete For Sidewalk Replacement: Trade Contractor shall include all of the following, but not limited to, as part of the contract:
 - a. Provide a unit price cost, to add all work associated with adding 1,000 square feet of concrete sidewalk removal and replacement. Locations may be added to the project scope at the Owner's discretion based on funding availability. All additional work and adjustments to the scope of work shall be pre-approved by the Owner.

- b. Unit price cost shall include all overhead, insurance, profit, material, delivery, labor, and associated costs for the complete sidewalk removal and replacement.
- c. Confirm specific locations of added sidewalk quantities and locations with the Construction Manager prior to executing this work. Additional sidewalk removal and replacement may be individual or multiple panels in locations within the same general location as the project site.
- d. Unit Price sidewalk removal and replacement shall include all preparation, saw cutting, removals, disposal, subbase materials and preparation, concrete, joint sealant, and surface restoration adjacent to the additional patching areas.
- e. Additional sidewalk replacement is only for additional locations requested by the Owner and shall not apply to replacement locations where damage occurred as part of the base scope of work. Contractor is responsible for replacement of all pavement and sidewalks damaged by construction activities at no additional cost to the Owner.
- f. Additional sidewalk replacement quantity can be increased by 50% before either party has the right to renegotiate the unit price.
- g. Method of Measurement: The Contractor shall measure and submit additional preapproved sidewalk removal and replacement quantities to the Construction Manager. Actual quantities of sidewalk removal and replacement will be paid at a prorated unit price amount for quantities constructed.
- **10. Unit Price #02** Provide a unit price per cubic yard for removal and haul off site of unsuitable soils: Trade Contractor shall include all of the following, but not limited to, as part of the contract:
 - a. Provide a unit price cost, to remove and haul off site any unsuitable soils that may be encountered during construction. This does not include soils that may be deemed hazardous. Locations may be added to the project scope at the Owner's discretion based on funding availability. All additional work and adjustments to the scope of work shall be pre-approved by the Owner.
 - b. Unit price cost shall include all overhead, insurance, profit, material, delivery, labor, and associated costs.
 - c. Confirm specific locations and quantities with the Construction Manager prior to executing this work.
 - d. Method of Measurement: The Contractor shall measure and submit additional preapproved removal quantities to the Construction Manager. Actual quantities of removal will be paid at the unit price amount for quantities removed.
- **11. Unit Price #03** Provide a unit price per cubic yard to provide, place, and compact additional granular subbase: Trade Contractor shall include all of the following, but not limited to, as part of the contract:
 - a. Provide a unit price cost, provide, place, and compact additional granular subbase that may be requested to mitigate potential unsuitable soils encountered during construction. Locations may be added to the project scope at the Owner's discretion based on funding availability. All additional work and adjustments to the scope of work shall be pre-approved by the Owner.
 - b. Unit price cost shall include all overhead, insurance, profit, material, delivery, labor, and associated costs.
 - c. Confirm specific locations and quantities with the Construction Manager prior to executing this work.
 - d. Method of Measurement: The Contractor shall measure and submit additional preapproved removal quantities to the Construction Manager. Actual quantities will be paid at the unit price amount for quantities installed.
- B. **Bid Package #02** Electrical: Trade Contractor shall include all of the following, but not limited to, as part of the contract:

- 1. This contractor shall be responsible for all site electrical requirements. This shall include, but not be limited to, electrical disconnects, removal and salvage of existing light fixtures, conduits, circuits, handholes, light pole bases, light poles, reinstallation of light fixtures, connections, and final adjustments.
- 2. Contractor shall disconnect electrical services as part of this project.
- 3. Contractor to reuse existing electrical manhole per note E1 on sheet E101. Providing splices for conductions in manhole. New conductors shall be installed from manhole to the lights.
- 4. Contractor shall coordinate electrical installation with all trades prior to installation. If electrical work installed interferes with other trader after installation, the contractor shall make all necessary changes to correct the condition at no additional cost to the owner.
- 5. Contractor shall reuse existing conduit under the roadway. Provide all new conduit from the roadway to the lights. The plan specifies conduit size, type and general locations. The exact location will be determined in the field.
- 6. Contractor shall be responsible for providing Type A light pole foundations for new light poles. Foundations to have 3 each, 1" conduits as outlined in the contract documents.
- C. Work Performed by Owner: DAS/CCM will perform the following work items:
 - 1. Remove and reinstall all signage after construction is completed.

PART 2 - PRODUCTS – NOT USED

PART 3 - EXECUTION – NOT USED

END OF SECTION

SECTION 01 1201

GENERAL WORK REQUIREMENTS

1.01 BIDDING

- A. Trade Contractor shall include all applicable fees, permits, freight, hoisting, scaffolding, clean up, supervision, overhead, etc. to perform his work.
- B. The owner will provide the general building permit only. All other permits required for completion of contractor's scope of work or by any governing body are the responsibility of said contractor.
- C. Bidders to review <u>ALL</u> Bid Packages to fully understand the requirements of each package. Where two bid packages conflict, confirm with Construction Manager as to which package is to perform the work noted before bidding. After bidding, any conflict noted will be evaluated by the Construction Manager. The Construction Manager will then determine which package should perform the work and which package will credit the associated work's cost.
- D. Where conditions conflict in the project manual or project drawings, contact the Construction Manager for clarification. When in doubt figure the more extensive requirement.
- E. Each contractor is responsible for the identification of alternates and how they relate to each bid package. If a bid package is affected in ANY way by ANY of the alternates, an add/deduct should be noted on the bid form. If there is no change in cost write zero dollars.
- F. The Contractor should visit the site of the Work to acquaint the firm with all local conditions affecting the Contract, including the structure of the ground, the obstacles which may be encountered, and all other conditions relative to the Work to be performed; and shall not be allowed any extra compensation by reason of any difficulties or obstacles which the Bidder could have discovered or reasonably anticipated prior to Bidding. Contractor shall review Instructions to Bidders for coordination of site visits.
- G. On all project Drawings, figures take precedence over measurement by scale, and any scaling is done at the Contractor's own risk. The Design Professional shall decide on questions that may arise regarding the meaning and intent of the Project Drawings and Project Specifications. Should any details or figures have been omitted which are necessary to a clear understanding of the Work or should any error appear in either, or should discrepancies be found between the Project Drawings and Project Specifications, it shall be the duty of the Contractor to notify the Construction Manager of such omissions, errors, or discrepancies, and in no case proceed in uncertainty. Mistakes resulting from the Contractor's neglect to notify the Construction Manager in such matters shall be corrected at the expense of the Contractor. Bidders are responsible for all electronic documents and their use is at their risk.
- H. Construction Manager (DCI Group) has been engaged for this Project to serve as an advisor to the Owner and to provide assistance in administering the Contract for Construction between Owner and the Contractor. The Construction Manager will not be providing any self-performed work for this Project.
- I. All Contractors are responsible for on the job supervision of their work, or any subcontracted work. <u>An onsite Superintendent or lead foreman is required during any time that work is being performed to coordinate their work and work with other trades.</u> No superintendent or lead foreman may be replaced without approval of the Owner and DCI Group. Any work necessary to be performed after the regular working hours shall be supervised and shall be done at no additional cost to the Owner.
- J. All food and drinks shall be confined to CM designated areas and a maintained covered trash container shall be provided by the contractor. Failure to comply with this rule may cause a need for extra cleaning efforts by others which will result in a back charge to the Contractor.
- K. Tools, materials, and equipment storage and security is the responsibility of each Contractor.
- L. All work shall comply with the applicable codes and standards adopted by the Authority having Jurisdiction.
- M. All Authorities having Jurisdiction inspections shall be requested by the responsible contractor and coordinated through the Construction Manager. Attendance by contractors is mandatory as applicable to the work being inspected.
- N. All contractors must have the appropriate licenses to perform work in the jurisdictions.

- O. Before ordering any materials or performing any Work, the Contractors shall verify all measurements at the Project Site for the particular Work and be responsible for the correctness of same. No extra charge or compensation will be allowed to the Contractor on account of differences between actual dimensions and the measurements shown on the Project Drawings. Any noticeable discrepancy in this request shall be reported to the Construction Manager immediately for his consideration and decision. All the component parts of the Work shall be carefully checked and laid out in order that the structure as a whole shall conform to the intent of the Project Drawings and Project Manual.
- P. The Contractor shall have personnel attending regular project meetings. These meetings will be held at intervals established by the Construction Manager. Contractor must have representative attending when they are on the job or needed for coordination prior to having work start on the project. The representative attending must be able to adequately represent the Contractor and speak on the Contractors behalf providing valuable information to the meeting; specifically, things such as schedule, cost, production, manpower, etc.
- Q. Contractor will be required to attend all pre-installation conferences before commencement of related work.
- R. Trade Contractor shall complete a daily log for each work day on site and submit to Construction Manager. Content of daily log will be directed by Construction Manager.
- S. This Contractor is responsible to protect all openings made to the existing buildings envelope, as required for this bid package work, for the entire time work is being conducted until the new work scope is completed. This protection shall include but is not limited to protection against; rain, snow, wind infiltration, security and temperature fluctuations. Trade Contractor will maintain all weather protection provisions until permanent work is completed. All cost relating to damage incurred to existing facilities as a result of improper weather protection provisions will be borne by the Trade Contractor.

1.02 SAFETY

- A. The contractor shall comply with all local and federal, safety and health requirements.
 - 1. Contractor will provide a safety plan customized for the project to DCI Group.
 - **2.** It is the contractor's responsibility to notify other contractor's on the jobsite of any hazardous materials to which their employees may be exposed.
 - **3.** All Contractors shall inform their employees to immediately advise their supervisor of any unsafe conditions that are encountered. The supervisor shall promptly remediate such danger and/or contact the Construction Manager.
 - 4. Contractors performing hot work are to have a fire extinguisher in their work areas at all times as applicable.
 - 5. All Contractors are responsible for their own fall protection.
 - 6. Contractors are required to provide emergency phone numbers upon the request of the Construction Manager. Emergency phone numbers are numbers where the Contractor can be reached during off hours.
 - 7. All floor edge, roof and similar openings, barricades, handrails, or cabling for fall protection will be installed by the Contractor that creates the hazard as part of that Contractor's scope of work. At no time shall an opening be left unprotected from fall hazard. All Contractors shall protect and maintain such devices per OSHA standards. When a device conflicts with the work of this bid package or when the work of this bid package replaces the need for such devices, this Contractor is responsible for removal. If the work of this Contractor requires additional holes/penetrations, this Contractor shall provide necessary protection until final materials are installed.
 - 8. No fire exit can be blocked at any time.

1.03 SITE MANAGEMENT

A. All contractors are responsible for all their own utility locates. This shall include both public and private locates. All Contractors shall coordinate locates with One Call Services.

- B. When active services are encountered in the Work, protect, brace and support existing active sewers, gas, electric or other services, where required for proper execution of the Work. If existing active services are encountered that require relocation, make request in writing for determination. Do not proceed with Work until written directions are received. Do not prevent or disturb operation of active services that are to remain.
- C. All contractors are required to protect their work. Provide proper protection for all existing work performed by others when performing your work next to, or around, other materials. Repair or replacement of any damaged material will be the responsibility of the contractor who damaged it.
- D. All contractors/vendors are responsible for their own cutting and patching unless otherwise specified.
- E. All contractors shall provide protection to the building at any penetrations created by that bid package. This shall include protection from rain, wind, temperatures, humidity, animals, or unauthorized access. Protection shall be in place and maintained until final penetration sealants or repairs are made.
- F. All contractors are responsible for maintaining dust control during their work.
- G. Contractors shall be responsible for maintaining traffic control coordination with the Owner, DCI Group, and the Authority Having Jurisdiction.
- H. Public and private roadways will be maintained and cleaned as required by the contractor leaving debris, mud, excess gravel, etc. on roadways at their expense as defined in bid packages.
- I. No steel track mounted equipment will be allowed on finished paved surfaces. Any damage to the finished paved surfaces will be repaired at the cost to the contractor causing such damage.
- J. Bridging of finished pavement will be responsibility of the contractor. This includes bridging curbs, pavement, sidewalks, etc. Any damage to the aforementioned including pavement markings will be repaired or replaced at the cost of the contractor causing such damage.
- K. Contractors that have work that requires equipment off of the existing road ways are required to locate and protect from damage all under and above ground existing features such as utilities, tunnels, landscaping, etc... The Contractor will be responsible to repair back to original condition any damages that occur, including but not limited to ruts and sod damage.
- L. Any areas disturbed or damaged by one's operation are to be repaired to Owner/Construction Manager's satisfaction.
- M. Contractor shall clean their installed materials prior to the next successor activity.
- N. Any signs located on the jobsite must be approved by the Construction Manager. Signage will not be allowed in most cases unless it is required for safety or provides instruction.
- O. Receiving, unloading and handling of material provided by the bid package shall be included. Spotting location shall be coordinated with the Construction Manager. All deliveries shall be coordinated with other Contractors and Construction Manager in advance of the delivery. Provide freight to the jobsite for any material provided. If storage is not available onsite, each bid package shall include other means of secure storage. If contractor is not onsite to unload delivery, the delivery will be rejected and will have to be re-scheduled at the contractor's expense. Materials must be stored off the ground, out of the mud and on a solid surface. As required or needed, material should be stored on dunnage or pallets in order to keep it off the ground or surface below. Special storage is the responsibility of respective contractor.
- P. Contractor shall not store materials within construction designated locations without approval from Construction Manager. No materials storage will be allowed that may inhibit construction progress.
- Q. The Contractors shall layout and correctly establish all lines, levels, grades, positions, walls, partitions, equipment and location of all Work on the Project and be responsible for their accuracy and proper correlation with control lines, monuments and data furnished. Such monuments and data shall be carefully preserved and, if displaced, reset at the expense of the persons displacing them.
- R. All Contractors are responsible for the coordination of their work with the complete set of specifications, construction drawings, addenda, request for information (RFI's), Architect's Instruction to Contractor (ITC), shop drawings, coordination drawings, and other contract modifications.
- S. Contractor shall carefully inspect any work performed by others that is to receive, align, abut or similarly relate to the Contractor's work and shall immediately notify the Construction Manager in

writing of any apparent defects or inconsistencies. The Contractor is responsible for coordinating and verifying the dimension, measurements, and elevations at the project site relevant to the Contractor's work. If Contractor commences his work without such written notice, such commencement shall constitute acceptance of all such work performed by others and of all such field conditions, and all costs incurred in connection with the Contractor's work as a result thereof shall be borne by Contractor.

- T. Incorporate construction tolerances for the work of others into the design of the systems in this scope of work. Include field measurements of work by others and any necessary adjustments to systems prior to fabrication to accommodate such allowable tolerances, or accept all costs to correct materials, which do not fit job conditions.
- U. Any interior work that is scheduled to be completed while Owner is in normal operation must be sensitive to the Owners continued use of the building. No workers are allowed to be in areas of the building that are not directly related to scope of work. Hallways and general access paths to construction areas must also be kept clean at all times. The Owner has the right at any time to shut down any construction activities that they deem to be too much of a distraction to the occupants of the building.
- V. All contractors are responsible for familiarizing themselves with the coordination and sequencing requirements related to Owner furnished equipment.
- W. If not already required by the contract documents and reasonably requested by the Construction Manager, the Contractor shall prepare coordinated drawings in areas of congestion specifically noting and advising the Construction Manager of potential conflicts between the Contractor's work and other work at the project. Even with such cooperative and coordinated efforts should a conflict occur the Construction Manager will determine how such conflicts should be resolved and its decision in that regard will be final. The Contractor agrees to abide by such decisions and make any changes required to eliminate such conflict without additional costs or expense to the Owner.

1.04 SCHEDULE MANAGEMENT

- A. Prior to the commencement of the construction for the Prime Contract Work, the Prime Contractor shall participate in a minimum of two (2) joint planning meetings with the Construction Manager and other Prime Contractors for the purpose of planning the overall Construction Schedule. A Preliminary Construction Schedule as developed by the Construction Manager will be used as the basis of the overall Construction Schedule. In consultation with the Prime Contractor, the Construction Manager shall incorporate the Prime Contract Work and work of other prime contractors into the overall Construction Schedule for the entire project. Critical Milestones and working hours as defined by the Construction Manager (as included in the bidding documents) will not be altered. The Prime Contractor shall on a weekly basis (at a minimum) provide the Construction Manager scheduling information with regards to progress and work to be performed in the next 4 (four) weeks. The Prime Contractor shall be bound by the Construction schedule. Nothing in the Prime Contract Agreement shall relieve the Prime Contractor of any liability for any unexcused failure to comply with the agreed upon overall Construction Schedule or any completion dates. The Construction Manager shall have the right to coordinate the Prime Contractors, including the right, if necessary, to change the time, order and priority in which the various portions of the Prime Contract Work and other work associated with the Project shall be performed.
- B. All Contractors shall cooperate with the Construction Manager and with other Contractors. The completion of the Work will depend upon a collective effort by all parties involved.

1.05 GENERAL HOUSEKEEPING

A. Daily cleanup (broom clean) of dust and debris from construction operation is part of each contractor's scope of work. If any contractor fails to keep the site clean and organized on a continuous basis, the Construction Manager will notify the contractor in writing only once. The contractor will then have 24 hours to correct the situation. If the contractor fails to correct the situation, the Construction Manager will hire another party for cleaning and charge the said

contractor. Trade Contractor shall submit prior to beginning work a plan to the Construction Manager defining manpower and methods for achieving daily cleanup. If Construction Manager deems necessary, each Trade Contractor shall provide 1 employee for each 5 employees on the project to clean all work areas and/or staging areas to a broom clean condition. If the Trade Contractor has less than 5 employees on site, the contractor will provide 1 employee to the necessary cleanup requirement. Cleanup duration will take as long as it takes to achieve the broom clean results.

END OF SECTION 01 1201

SECTION 01 1202

SPECIAL WORK REQUIREMENTS

- A. Bidders are to hold their bids for a period of thirty (30) days after the bid.
- B. Contractors and their employees shall show upmost respect for the occupying residents and staff. Profanity and unnecessary loud language will not be tolerated.
- C. Each Contractor working in Owner occupied space will provide necessary means of protection to floors, walls, ceilings, equipment as required to accomplish work without harming or damaging existing conditions. All damage performed during this work will be charged to the responsible contractor.
- D. The use of motorized scissor lifts will not be allowed except under special circumstances and must have prior approval from the Construction Manager.
- E. All deliveries must be accepted by the Contractor.
- F. Contractor includes complete cleanup and haul off for all typical construction debris resulting from this scope of work. Each Prime Contractor to provide brooms, shovels and other equipment for cleanup for their respective scope of work. Excess materials shall be removed from the site at the Contractor's expense. All primes shall remove debris on a daily basis.
- G. Contractor will be responsible to provide portable generators or an alternative power source for all tools and equipment that require a power source higher than 120 Volt.
- H. Contractors working on roofs are required to take appropriate precautionary measures to protect existing roofing from damage. Contractors are required to take all precautionary measures necessary to ensure that their items do not fall or blow off the roofs.
- Prior to performing work in areas with smoke and fire detection systems the Contractor shall coordinate with the CM precautionary measures to eliminate false alarms. If the fire alarm system is activated and there is not an emergency the Contractor responsible for the false activation shall be responsible to pay for all resulting owner incurred expenses such as Emergency Response fees.
- J. Bid Package #01 shall provide temporary toilet facilities for ALL Contractors and for the entire duration of the project. Temporary toilets facilities and handwashing stations shall be provided at minimum in quantities to meet OSHA requirements.
- K. Contractors shall document existing conditions prior to start of work. All damage to existing pavements, landscaped areas, and all other existing property will be repaired by the responsible Contractor. Interior as well.
- L. The Prime Contractor's shall provide the Construction Manager detailed information as outlined below for the purpose of developing the Construction Schedule:

a. SUBMITTALS:

- i. Submittal Schedule: Prime Contractor shall submit a submittal schedule listing all required submittals, submittal "To CM" dates, procurement durations, and expected dates for materials to be on the jobsite. The submittal schedule shall be submitted to the CM within five (5) business days of receipt of Owner/Prime Contractor Agreement.
- ii. Format: Submittal Schedule shall be prepared in an Excel spreadsheet.
- iii. Materials & Long Lead Procurement: Prime Contractor shall identify any/all submittal items that require "field verifies" and also identify the dates when these field verifies can be taken.
- M. See preliminary construction schedule in Section 00 3113. This schedule will aid the bidder(s) in understanding the preliminary scheduling and planning for the project. As the construction schedule is finalized the <u>Prime Contractor and their Subcontractors</u> shall participate in a meeting with the Construction Manager and other Prime Contractors for the purpose of presenting the overall Construction Schedule. These "Subcontractors" shall be any/all subcontractors who will be performing Work on the project.
- N. Per the preliminary construction schedule the bidder(s) acknowledges that there are multiple mobilizations, phases, sub-phases, material deliveries, and milestone completion dates required to complete the work.

- O. The Owner owns the schedule contingency as shown in the preliminary construction schedule on the following pages. The Construction Manager manages and will adjust the schedule contingency. As schedule contingency days are not utilized the substantial completion dates shall be adjusted accordingly.
- P. Expected work hours will be 7:00 AM to 5:00 PM Monday thru Friday (5 day work week). Contractors requiring working time other than these hours are to coordinate and receive approval in advance from the Construction Manager. The Contractor shall provide at his expense increased work crews and/or overtime necessary to meet the scheduled milestones. Contractor shall immediately notify the Construction Manager of any delays in the work.
- Q. After contract award, the Contractor is required to attend a meeting with the Construction Manager to review bid package scopes.
- R. Parking and material staging on site will be limited. All contractors shall coordinate one's parking and material staging with the DCI Group Project Manager, DCI Superintendent or DCI Designated Personnel.
- S. The jobsite is on Public Property. Smoking or smokeless tobacco <u>WILL NOT</u> be allowed. Also, no shelled sunflower seeds are allowed inside the enclosed facility.
- T. No radios or headsets are allowed in the construction areas.
- U. All warranties start at Project Substantial Completion, Contractor will be required to provide from this date and not the startup date of the equipment. Contractor will not be compensated for any cost related to purchasing extended warranties to meet this requirement. See Special Work Requirements for project schedule information.
- V. Contractors shall maintain accurate as-built construction records and provide complete clean and legible copies to Construction Manager on completion of work. All Contractors will be required to provide electronic copies as well as hard copies of all O&M's and as-built drawings. See Project Manual for additional Closeout requirements.

END OF SECTION 01 01202