

Public Works Committee Meeting
Tuesday, February 15, 2022 5:00 PM
Crete City Hall
243 E 13th Street
Crete, NE 68333

1. Open Meeting

- In accordance with Nebraska law, a copy of the Open Meetings Act can be found in the back of the Council Chambers.
- Items listed on the agenda may be considered in any order.

2. Roll Call

- Attendance of members will be recorded to determine the presence of a quorum for official actions.

3. Items of Business

- The Committee may discuss or limit discussion on, hear testimony in favor of or in opposition to, or take action to provide a recommendation to the City Council on any matter presented under this title.
- 3.A. Provide a recommendation to the City Council on approving a permit to occupy the right-of-way from Black Hills Nebraska Gas to install a new natural gas distribution pipeline along Highway 33.
- 3.B. Provide a recommendation to the City Council on entering into a contract with JEO for engineering services related to the 2022 gap paving projects.
- 3.C. Provide a recommendation to the City Council on approving Van Kirk change order and final pay application for the West Crete Sewer Project.
- 3.D. Provide a recommendation to the City Council on verifying the calculation of the November sewer billing for Crete Core Ingredients.
- 3.E. Discuss extending city sewer service north along Idaho Avenue.
- 3.F. Discuss leasing street pole space for banners, equipment, or other private-owned items.

4. Officers' Reports

- Reports may be given by the Mayor, Officers, Departments, or Councilmembers concerning the current operations of the City.
- No action can be taken on matters presented under this title except to answer any questions or to refer the matter for further action.

5. Adjournment

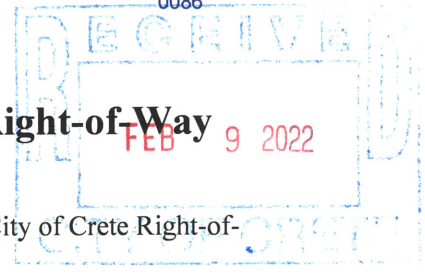
Disclaimers & Notices

- The Council may enter into closed session to discuss any matter on this agenda when it is determined that a closed session is clearly necessary for the protection of the public interest or the prevention of needless injury to the reputation of an individual (if such individual has not requested a public meeting) or as otherwise allowed by law. Any closed session shall be limited to the subject matter for which the closed session was called. If the motion to close passes, then immediately prior to the closed session the Mayor shall restate on the record the limitation of the subject matter of the closed session.

- The City of Crete assures that no person shall on the grounds of race, color, national origin, age, disability, handicap or sex, be excluded from participation in, be denied the benefits of, or be otherwise subjected to discrimination under any program or activity of the City receiving Federal financial assistance. To report discrimination, contact the City Clerk's office.
- The complete agenda with attachments is available at www.crete.ne.gov.



243 East 13th Street
P.O. Box 86
Crete, NE 68333-0086



Application for a Permit to Occupy City of Crete Right-of-Way

(Rev. 2, 11-2015)

I Black Hills Nebraska Gas LLC hereby request to occupy City of Crete Right-of-
Name

Way at Crete, Nebraska with a device or structure.
Address

Description of structure or device:

New Natural Gas Distribution pipeline
in Sec. 23 8N-4E, SE 1/4 to Sec. 24 8N-4E, N 1/2
Please SEE Exhibit "A" Attached.

Diagram, or print included?

Necessary permits and licenses obtained? Insurance?

Approved by the Public Works Director _____ Date: _____

Note:

- 1) All applicants to occupy public right-of-way understand and agree that if, for any reason, the City or its agents require access; the obstruction shall be moved at the applicant's expense.
- 2) Any items approved for placement in the right-of-way shall be held to the building or property line as closely as possible.
- 3) If this is a 3rd party utility type project, all affected property owners shall be notified prior to the beginning of project by the project owner, or the project's contractor.
- 4) City Council approval is required for large projects (more than one property involved, or utility oriented projects).
- 5) All requests to occupy right-of-way must include a detailed sketch, print, or drawing with dimensions with respect to property lines, paving, curbs etc....
- 6) If this application is for underground sprinkler systems, a print or drawing of the system including location of lines and heads with measurements listed must accompany the application. Additionally, the applicant may be required to provide proof of proper permits to install, plumb, and provide backflow protection for said underground sprinkler systems.
- 7) Application for a permanent structure deemed to be a traffic or public safety hazard or which limit visibility will be denied.
- 8) An application shall be approved before any construction or installation is allowed to begin.

[Signature]
Signature of Applicant

2/4/2022
Date of Application

Exhibit "A"



Black Hills Energy Assets Legend		Existing Mains		Existing Services	
Proposed New Main	Proposed New Service	Other	Active, Steel	Other	Active, Steel
Proposed Abandoned Main	Proposed Abandoned Service	Proposed	Active, Unknown	Proposed	Active, Unknown
Proposed Removed Main	Proposed Removed Service	Active, Plastic	Inactive	Active, Plastic	Inactive

Essink Poultry Barns Crete
 Author: G. Hagstrom
 Date: 11/22/2021



**AGREEMENT
BETWEEN OWNER AND ENGINEER
FOR
PROFESSIONAL SERVICES**

THIS IS AN AGREEMENT effective as of _____ (“Effective Date”) between City of Crete (“Owner”) and JEO Consulting Group, Inc. (“Engineer”).

Owner’s project, of which Engineer’s services under this Agreement are a part, is generally identified as follows:

2022 Street Improvements (“Project”).

JEO Project Number: 220169.00

Owner and Engineer further agree as follows:

ARTICLE 1 - SERVICES OF ENGINEER

1.01 Scope

- A. Engineer shall provide, or cause to be provided, the services set forth herein and in Exhibit A.

ARTICLE 2 - OWNER’S RESPONSIBILITIES

2.01 Owner Responsibilities

- A. Owner responsibilities are outlined in Section 3 of Exhibit B.

ARTICLE 3 - COMPENSATION

3.01 Compensation

- A. Owner shall pay Engineer as set forth in Exhibit A and per the terms in Exhibit B.
- B. The lump sum fee for the Project is: \$198,430.00
- C. The Standard Hourly Rates Schedule shall be adjusted annually (as of approximately January 1st) to reflect equitable changes in the compensation payable to Engineer. The current hourly rate schedule can be provided upon request.

ARTICLE 4 - EXHIBITS AND SPECIAL PROVISIONS

4.01 Exhibits

Exhibit A – Scope of Services
Exhibit B – General Conditions

4.02 Total Agreement

- A. This Agreement (consisting of pages 1 to 2 inclusive, together with the Exhibits identified as included above) constitutes the entire agreement between Owner and Engineer and supersedes all prior written or oral understandings. This Agreement may only be amended, supplemented, modified, or canceled by a duly executed written instrument.

IN WITNESS WHEREOF, the parties hereto have executed this Agreement.

Owner:

By: _____

Title: _____

Date Signed: _____

Address for giving notices:

Engineer: JEO Consulting Group, Inc.

 _____

By: Nathan Boone _____

Title: Project Manager _____

Date Signed: 02/03/2022 _____

Address for giving notices:

JEO Consulting Group, Inc. _____

2000 Q Street, Suite 500 _____

Lincoln, NE 68503 _____

Exhibit A

Project Description:

The City of Crete is looking to improve the streets listed below through gap paving projects. The projects will include construction with concrete pavement, sidewalk, curb ramps, and where necessary, curb and gutter and storm sewer inlets. The nine (9) blocks of gap paving to be improved include:

Project 297:

- 23rd Street – Main Avenue to Norman Avenue (1 block)*
- 7" concrete pavement, 32' wide with curb and gutter and storm inlet*

Project 280:

- 18th Street – Main Ave to Linden Ave (1 block)*
- 7" concrete pavement, 32' wide with curb and gutter*

Project 294:

- Linden Avenue – 18th Street to 19th Street (1 block)*
- 7" concrete pavement, 32' wide with curb and gutter*

Project 282:

- 21st Street – Main Avenue to Linden Avenue (1 block)*
- 7" concrete pavement, 32' wide with curb and gutter*

Project 298:

- Oak Avenue – 17th Street to 18th Street (1 block)*
- 7" concrete pavement, 32' wide with curb and gutter*
- 18th Street – Oak Avenue to Norman Avenue (1 block)*
- 7" concrete pavement, 32' wide with curb and gutter*

Project 207:

- Kingwood Avenue – 21st Street to 22nd Street (1 block)*
- 7" concrete pavement, 32' wide with curb and gutter*

Project 299:

- Oak Avenue – 22nd Street to 23rd Street (1 block)*
- 7" concrete pavement, 32' wide with curb and gutter*
- 23rd Street – Oak Avenue to Norman Avenue (1 block)*
- 7" concrete pavement, 32' wide with curb and gutter*

For this project, JEO Consulting Group, Inc. (JEO) will perform a topographical survey of the nine gap paving projects to move them forward into design. JEO will then proceed with creating construction documents for the improvements and supporting the City through bidding and negotiation and construction phase services. JEO will also provide assessment services.

Scope of Services:

Project Management

Project Management is a vital component for successful projects. The following scope of work occurs throughout the project phases and tasks.

Objective: Ensure overall responsibility of project quality and coordination and provide project management oversight over all facets and phases of the project.

Deliverable: Deliverables from the project manager shall include meeting summaries from the kick-off meeting and subsequent review meetings including identified risks, mitigations, and critical success factors. Project manager shall deliver monthly progress updates and invoices. Other deliverables shall include meeting notes from meetings with City staff.

- **Project Kick-off Meeting:** Kick-off meeting shall introduce key members of the project design team, review scope, schedule, budget, critical success factors, as well as identify potential project risks and associated mitigations. Special emphasis on the first tasks of the project will be reviewed at the meeting. A site visit of the project will also be conducted to review the project area.
- **Project Design Coordination:** Coordination of design disciplines including facilitating communication and transfer of documents between disciplines to minimize errors in the plans and specifications as well as ensure a timely project design. During design, bi-weekly meetings internal to the project team will be utilized to ensure the project is coordinated effectively.
- **Client Coordination:** Provide timely and coordinated communication to and from the City for requests for information, providing progress updates, scheduling meetings, and receiving and providing feedback. Monthly progress reports will be provided with a description of the status of the work in progress.
- **60% Design Review Meeting:** Conduct a 60% complete review meeting with City staff to review the preliminary design plans and opinion of probable cost (OPC). A project walk-through via a plan-in-hand will occur during this review and include the design team, city officials, and utilities. All comments identified by the Client during this review will be incorporated into the final design of the project.
- **90% Design Review Meeting:** Conduct a 90% complete review meeting with City staff to review the 90% complete plan set, OPC, and special provisions. All comments identified by the Client during this review will be incorporated into the final design of the project.

Phase 1: Topographic Survey

Objective: Conduct site visits and field survey to collect data necessary for the design and construction phases. Coordination with the City of Crete may be necessary for access or permission for some areas.

Deliverable: None.

- 1.1.1 Schedule a utility locate "One-Call" and/or request for utility maps within the existing project areas and incorporate into drawings. Coordinate with both public and private utilities as necessary to properly document utilities within the project area.
- 1.1.2 The Consultant will perform the necessary topographic ground survey including the existing street centerline, intersecting streets, alleys and drives, the tying of located land monuments to the existing centerline, cross-sections and profiles necessary for the hydraulic design. A topographic survey will be performed using electronic 'Total Station' technology. Copies of field book records and electronic records can be submitted to the City at the completion of final design upon request. Natural topographic features and man-made features will be recorded by coordinates to the nearest one-hundredth (0.01) of a foot. All such topographic features, which are pertinent to the design or are necessary to properly show the effect of the proposed work upon the adjoining property and/or improvements, will be recorded.

The limits of the survey along each street to be improved shall extend one-quarter block before and after the limits of improvements. The survey will also extend one-quarter block away at each

intersecting street. Collect available utility location information and incorporate on preliminary plans (gas, telephone, electric, water, sanitary sewer, storm sewer, communications, etc.) based on One-Call provided information.

- 1.1.3 Prepare the base map using the topographic survey data.
- 1.1.4 At the request of the city, a geotechnical investigation is not included in the scope of work. Proposed pavement thickness has been directed by city staff to be seven (7) inches with 12 inches of subgrade preparation.

Phase 2: Preliminary Design

Objective: During this task, the design team will review feedback from the kick-off meeting, site visit, and City input to prepare a 60% complete plan set that illustrates the basis of the improvements to be made.

Deliverable: The deliverable shall include a 60% complete plan set and OPC.

- 2.1.1 Develop the preliminary street design to show the basis of the work to be furnished and performed by a Contractor as part of the project. The plans will include sufficient information to review the sidewalk improvements limits, curb ramps, street alignments, profiles, cross sections, geometrics, and grades. A complete plan set is likely to include a title sheet, location map, site map, typical sections, construction and removal, paving, geometrics and grades, and preliminary details. A 60% preliminary engineer's OPC will also be developed through this effort.
- 2.1.2 Coordinate with public and private utilities within the project area to identify potential conflicts.
- 2.1.3 Conduct a 60% complete QA/QC of the plan set and OPC.

Phase 3: Final Design

Task 3.1: 90% Complete Design

Objective: During the 90% complete design process we will incorporate any final comments and details into the project plans and prepare for final production.

Deliverable: Deliverables during this phase include a 90% complete plan set, an opinion of probable cost, and special provisions.

- 3.1.1 Revise designs based on 60% complete comments received.
- 3.1.2 Finalize the design for the streets and add the necessary relevant details for all the improvements. Revise the OPC as necessary to reflect the final design documents.
- 3.1.3 Develop the erosion control sheets and prepare storm water pollution prevention (SWPPP) plans and details for the proposed project areas.
- 3.1.4 Review constructability of improvements and design temporary measures to allow for the construction of the improvements at all project areas while keeping residences accessible.
- 3.1.5 Submit plans to utilities for purposes of utility coordination for construction as necessary. Conduct a utility coordination meeting to discuss conflicts and finalize relocation plans and schedules.
- 3.1.6 Conduct an internal 90% complete QA/QC review of the plan set and OPC.

Task 3.2: Design Finalization Process

Objective: The objective during this task is to finalize and sign and seal the plan by a Professional Engineer and specification documents in preparation for bidding and negotiation.

Deliverables: Deliverables for this task include three (3) sets of final plans on 11"x17" paper and electronically in pdf format.

- 3.2.1 Receive 90% complete comments and revise plans and specifications.
- 3.2.2 Create construction document set and sign and seal by engineers registered in the State of Nebraska.
- 3.2.3 Provide three (3) sets of final plans to the City printed on 11"x17" paper and an electronic copy (.pdf).
- 3.2.4 Conduct an internal 100% complete QA/QC review of the plan set and OPC.
- 3.2.5 The final paper and electronic files resulting from the design shall be the property of the City of Crete.

Phase 4: Permitting

Task 4.1: Stormwater Pollution Prevention Permitting

Objective: Comply with the Clean Water Act to reduce discharges from the project area into Waters of the United States. While the project blocks are individually smaller than thresholds requiring a NPDES Permit, collectively they are part of a singular project and exceed the thresholds, therefore require this permit.

Deliverable: Deliverables will include a SWPPP and NPDES permit.

- 4.1.1 Prepare environmental consultation letters and submit letters to applicable local, state, and federal agencies.
- 4.1.2 Prepare a Storm Water Pollution Prevention Plan (SWPPP) book complying with State regulations. Coordinate the City's signature and submit a Notice of Intent (NOI) to obtain an NPDES Stormwater Discharge permit. City shall be responsible for any applicable permit fees.

This scope does not include any wetland delineation, mitigation, 404/408 permitting, or the preparation of NEPA documentation (EA, CE, etc). If required, these services can be provided as an additional service.

Phase 5: Bidding and Negotiation

Objective: Solicit bidders and assist in obtaining construction bids according to state statutes. This phase only applies to the concrete pavement gap paving projects.

Deliverable: Bid tabulations and a written recommendation of award.

- 5.1.1 Furnish copies of plans, specifications, and contract documents of the project to prospective bidders, material suppliers, and other interested parties upon their request and payment of the purchase cost established for the documents.
- 5.1.2 Respond to inquiries from prospective bidders and prepare any addenda required.

- 5.1.3 Assist the City in securing construction bids for the project.
- 5.1.4 Assist the City at the bid opening. (1 meeting).
- 5.1.5 Tabulate and analyze construction bids and report on them to the City, together with advice and assistance to the City in award of construction contract.
- 5.1.6 Prepare and submit a Letter of Recommendation to the City for project award approval.
- 5.1.7 Prepare Contract Documents for execution by Contractor and the City, and approval by City and City's legal and insurance counsel.

Phase 6: Construction Administration

Objective: Assist the City during the construction of the improvements. The scope of services is based on an estimate of 30 weeks of construction management services. Assist with the creation of the assessment plats for the improvements.

Deliverable: None.

- 6.1.1 Coordinate and attend one (1) Pre-construction Conference, on site, prior to construction beginning.
- 6.1.2 Review shop drawings (submittals) and related data supplied by the Contractor.
- 6.1.3 Provide interpretation of the plans and specifications when necessary.
- 6.1.4 Review Contractor's monthly pay applications and provide to the City for review and approval. The scope of services is based on seven (7) pay applications for the project.
- 6.1.5 Consult with and advise the City during construction.
- 6.1.6 Review geotechnical soil and concrete testing results, as needed. Testing to be contracted by and paid for by the Engineer. The Engineer to coordinate when testing is required.
- 6.1.7 Conduct one (1) final inspection of the project with the Contractor and Owner at the project substantial completion.
- 6.1.8 Recommend to the City the acceptance of the project and complete the necessary certificates. These recommendations will be based on the Engineer's observation of construction utilizing professional judgement and accepted tests to determine that the Contractor has completed their contracts in substantial compliance with the plans, specifications, and contract documents.
- 6.1.9 Review record drawings to illustrate the final constructed improvements should there be any modifications from the plans.
- 6.1.10 Create assessment plats for the improvements and include the preparation of a report of total costs, preparation of the assessment schedule and assessment plat, and attendance at the assessment hearing.
 - a. The City is responsible for the title research and to provide legal descriptions, property owner names, mailing address, etc. the Engineer to prepare the Assessment Schedule and Plats.

Task 6.2: Construction Staking

Objective: Provide construction staking with horizontal and vertical control for the proposed improvements.

Deliverable: On site construction staking.

- 6.2.1 Provide baseline horizontal and vertical control for the proposed improvements to include:
- a. Paving – Mainline/Curb & Gutter every 25 feet (six (6) total trips)
 - b. Line and cut to flow line of storm sewer culverts (stake each end). (three (3) total trips)
 - c. This effort does not include subgrade staking or settings stakes for tree removal or utility relocation. These additional services can be provided via an amendment if deemed necessary.

Phase 7: Materials Testing

Task 7.1: Materials Testing

Objective: Material testing services will be contracted by Terracon as a subconsultant to JEO and coordinated through JEO.

Deliverables: Material test results.

- 7.1.1 This includes twenty-seven (27) site visits (3 per block) for subgrade compaction testing, including the use of standard proctors and conducting Atterberg limits (up to nine (9)). Up to ninety (90) concrete compressive tests (2 sets of 5 per block) will be conducted on cylinders cast by Terracon staff.

Phase 8: Construction Observation

Objective: Provide construction personnel on site on a part-time basis to observe construction procedures for compliance with the plans, specifications, and contract documents.

Deliverable: Site observation reports.

- 8.1.1 Furnish a part-time Resident Project Representative (RPR) to observe the construction progress and quality of work, estimated at 240 hours (8 hours/week for 30 weeks). Additional delays beyond the engineer's control or extensions provided to the Contractor may require additional effort and will be negotiated and reviewed with the City of Crete. Key inspections to include:
- a. Marking of removal limits with paint.
 - b. Subgrade preparation and compaction.
 - c. Concrete pavement placement.
 - d. Storm sewer placement.
- 8.1.2 In addition to the RPR key inspections, duties shall include:
- a. Review of Contractor's work for general compliance with the plans and specifications.
 - b. Complete Construction Observation Reports when on site.
 - c. Coordinate pay quantities with the Contractor and Consultant.
 - d. Assist in the review of shop drawings.
 - e. Assist the Engineer in interpretation of the plans and specifications to the Contractor.
 - f. Review and coordinate material testing by the assigned testing firm.
 - g. Prepare record drawings in pdf format.

Items not included with this scope that can be provided as Additional Services:

1. Any services or meetings not specifically mentioned above.
2. Geotechnical investigation, per discussions and requested by city staff.
3. Land acquisition services, easement, ROW descriptions, and negotiations with landowners.
4. Water, sanitary sewer services, or associated manhole/water valve box design, or utility relocations.
5. Structural design or any retaining wall designs.
6. Storm sewer design or analysis outside the immediate blocks covered by this project.
7. Electrical design.
8. Temporary or permanent traffic control, including pavement marking design.
9. Drainage study or storm sewer condition analysis, including CCTV and visual inspection.
10. Title research or legal descriptions.
11. Setting survey monuments to identify street right-of-way.
12. Sidewalk design beyond new curb ramps at locations of existing sidewalk at intersections or sidewalk within the immediate gap paving project.
13. Any website assistance or public outreach.

The City shall provide:

1. Existing water, sanitary sewer, and storm sewer as-built drawings or other relevant mapping data.
2. Existing sanitary sewer and water service line information
3. Title research and furnish property ownership list including owner names, mailing addresses, and legal descriptions.
4. Notify property owners of meetings.
5. Schedule and attend meetings.
6. Create Street Improvement Projects with assistance from Bond Counsel. Bond Counsel to prepare documents for a gap paving project.
7. Setup funding of project with Fiscal Agent.
8. Publications.
9. Permit fees.

Project Fee Summary

Owner: City of Crete, Nebraska
Engineer: JEO Consulting Group Inc.
Project: 2022 Street Improvements
Crete, Nebraska - 2022

JEO Project No.: 220169.00

Lump Sum Project Phases:

Phase 1 Topographic Survey	\$19,300.00
Phase 2 Preliminary Design.....	\$38,815.00
Phase 3 Final Design	\$33,595.00
Phase 4 Permitting.....	\$3,660.00
Phase 5 Bidding and Negotiation.....	\$4,160.00
Phase 6 Construction Administration	\$40,850.00
Phase 7 Materials Testing	\$22,050.00
<u>Phase 8 Construction Observation.....</u>	<u>\$36,000.00</u>

TOTAL **\$198,430.00**

Project Schedule

Owner: City of Crete, Nebraska
Engineer: JEO Consulting Group Inc.
Project: 2022 Street Improvements
Crete, Nebraska - 2022

JEO Project No.: 220169.00

Approximate Time Frame:

Notice to Proceed	February 2022
Topographic Survey	February/March 2022
Kick-off Meeting	March 2022
60% Preliminary Design Submittal	May 2022
90% Final Design Submittal.....	June 2022
100% Final Design Submittal.....	July 2022
Project Advertisement.....	Aug - Sept 2022
Bid Opening	September 2022
Project Award and Contract Execution	October 2022
Construction.....	Spring/Summer 2023

JEO CONSULTING GROUP INC ■ JEO ARCHITECTURE INC

1. SCOPE OF SERVICES: JEO Consulting Group, Inc. (JEO) shall perform the services described in Exhibit A. JEO shall invoice the owner for these services at the fee stated in Exhibit A.

2. ADDITIONAL SERVICES: JEO can perform work beyond the scope of services, as additional services, for a negotiated fee or at fee schedule rates.

3. OWNER RESPONSIBILITIES: The owner shall provide all criteria and full information as to the owner's requirements for the project; designate and identify in writing a person to act with authority on the owner's behalf in respect to all aspects of the project; examine and respond promptly to JEO's submissions; and give prompt written notice to JEO whenever the owner observes or otherwise becomes aware of any defect in work.

Unless otherwise agreed, the owner shall furnish JEO with right-of-access to the site in order to conduct the scope of services. Unless otherwise agreed, the owner shall also secure all necessary permits, approvals, licenses, consents, and property descriptions necessary to the performance of the services hereunder. While JEO shall take reasonable precautions to minimize damage to the property, it is understood by the owner that in the normal course of work some damage may occur, the restoration of which is not a part of this agreement.

4. TIMES FOR RENDERING SERVICES: JEO's services and compensation under this agreement have been agreed to in anticipation of the orderly and continuous progress of the project through completion. Unless specific periods of time or specific dates for providing services are specified in the scope of services, JEO's obligation to render services hereunder shall be for a period which may reasonably be required for the completion of said services.

If specific periods of time for rendering services are set forth or specific dates by which services are to be completed are provided, and if such periods of time or date are changed through no fault of JEO, the rates and amounts of compensation provided for herein shall be subject to equitable adjustment. If the owner has requested changes in the scope, extent, or character of the project, the time of performance of JEO's services shall be adjusted equitably.

5. INVOICES: JEO shall submit invoices to the owner monthly for services provided to date and a final bill upon completion of services. Invoices are due and payable within 30 days of receipt. Invoices are considered past due after 30 days. Owner agrees to pay a finance charge on past due invoices at the rate of 1.0% per month, or the maximum rate of interest permitted by law.

If the owner fails to make any payment due to JEO for services and expenses within 30 days after receipt of JEO's statement, JEO may, after giving 7 days' written notice to the owner, suspend services to the owner under this agreement until JEO has been paid in full all amounts due for services, expenses, and charges.

6. STANDARD OF CARE: The standard of care for all services performed or furnished by JEO under the agreement shall be the care and skill ordinarily used by members of JEO's profession practicing under similar circumstances at the same time and in the

same locality. JEO makes no warranties, express or implied, under this agreement or otherwise, in connection with JEO's services.

JEO shall be responsible for the technical accuracy of its services and documents resulting therefrom, and the owner shall not be responsible for discovering deficiencies therein. JEO shall correct such deficiencies without additional compensation except to the extent such action is directly attributable to deficiencies in owner furnished information.

7. REUSE OF DOCUMENTS: Reuse of any materials (including in part plans, specifications, drawings, reports, designs, computations, computer programs, data, estimates, surveys, other work items, etc.) by the owner on a future extension of this project, or any other project without JEO's written authorization shall be at the owner's risk and the owner agrees to indemnify and hold harmless JEO from all claims, damages, and expenses including attorney's fees arising out of such unauthorized use.

8. ELECTRONIC FILES: Copies of Documents that may be relied upon by the owner are limited to the printed copies (also known as hard copies) that are signed or sealed by JEO. Files in electronic media format of text, data, graphics, or of other types that are furnished by JEO to the owner are only for convenience of the owner. Any conclusion or information obtained or derived from such electronic files shall be at the user's sole risk.

a. Because data stored in electronic media format can deteriorate or be modified inadvertently or otherwise without authorization of the data's creator, the party receiving electronic files agrees that it shall perform acceptance tests or procedures within 30 days, after which the receiving party shall be deemed to have accepted the data thus transferred. Any errors detected within the 30 day acceptance period shall be corrected by the party delivering the electronic files. JEO shall not be responsible to maintain documents stored in electronic media format after acceptance by the owner.

b. When transferring documents in electronic media format, JEO makes no representations as to long term compatibility, usability, or readability of documents resulting from the use of software application packages, operating systems, or computer hardware differing from those used by JEO at the beginning of the project.

c. The owner may make and retain copies of documents for information and reference in connection with use on the project by the owner.

d. If there is a discrepancy between the electronic files and the hard copies, the hard copies govern.

e. Any verification or adaptation of the documents by JEO for extensions of the project or for any other project shall entitle JEO to further compensation at rates to be agreed upon by the owner and JEO.

9. SUBCONSULTANTS: JEO may employ consultants as JEO deems necessary to assist in the performance of the services. JEO shall not be required to employ any consultant unacceptable to JEO.

10. INDEMNIFICATION: To the fullest extent permitted by law, JEO and the owner shall indemnify and hold each other harmless and their respective officers, directors, partners, employees, and consultants from and against any and all claims, losses, damages, and expenses (including but not limited to all fees and charges of

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engineers, architects, attorneys, and other professionals, and all court or arbitration or other dispute resolution costs) to the extent such claims, losses, damages, or expenses are caused by the indemnifying parties' negligent acts, errors, or omissions. In the event claims, losses, damages, or expenses are caused by the joint or concurrent negligence of JEO and the owner, they shall be borne by each party in proportion to its negligence.

11. INSURANCE: JEO shall procure and maintain the following insurance during the performance of services under this agreement:

- a. Workers' Compensation: Statutory
- b. Employer's Liability
 - i. Each Accident: \$500,000
 - ii. Disease, Policy Limit: \$500,000
 - iii. Disease, Each Employee: \$500,000
- c. General Liability
 - i. Each Occurrence (Bodily Injury and Property Damage): \$1,000,000
 - ii. General Aggregate: \$2,000,000
- d. Auto Liability
 - i. Combined Single: \$1,000,000
- e. Excess or Umbrella Liability
 - i. Each Occurrence: \$1,000,000
 - ii. General Aggregate: \$1,000,000
- f. Professional Liability:
 - i. Each Occurrence: \$1,000,000
 - ii. General Aggregate: \$2,000,000
- g. All policies of property insurance shall contain provisions to the effect that JEO and JEO's consultants' interests are covered and that in the event of payment of any loss or damage the insurers shall have no rights of recovery against any of the insureds or additional insureds thereunder.
- h. The owner shall require the contractor to purchase and maintain general liability and other insurance as specified in the Contract Documents and to cause JEO and JEO's consultants to be listed as additional insured with respect to such liability and other insurance purchased and maintained by the contractor for the project.
- i. The owner shall reimburse JEO for any additional limits or coverages that the owner requires for the project.

12. TERMINATION: This agreement may be terminated by either party upon 7 days prior written notice. In the event of termination, JEO shall be compensated by owner for all services performed up to and including the termination date. The effective date of termination may be set up to thirty (30) days later than otherwise provided to allow JEO to demobilize personnel and equipment from the site, to complete tasks whose value would otherwise be lost, to prepare notes as to the status of completed and uncompleted tasks, and to assemble project materials in orderly files.

13. GOVERNING LAW: This agreement is to be governed by the law of the state in which the project is located.

14. SUCCESSORS, ASSIGNS, AND BENEFICIARIES: The owner and JEO each is hereby bound and the partners, successors, executors, administrators and legal representatives of the owner and JEO are hereby bound to the other party to this agreement and to the partners, successors, executors, administrators and legal representatives (and said assigns) of such other party, with respect to all covenants, agreements and obligations of this agreement.

a. Neither the owner nor JEO may assign, sublet, or transfer any rights under or interest (including, but without limitation, monies that are due or may become due) in this agreement without the written consent of the other, except to the extent that any assignment, subletting, or transfer is mandated or restricted by law. Unless specifically stated to the contrary in any written consent to an assignment, no assignment shall release or discharge the assignor from any duty or responsibility under this agreement.

b. Unless expressly provided otherwise in this agreement: Nothing in this agreement shall be construed to create, impose, or give rise to any duty owed by the owner or JEO to any contractor, contractor's subcontractor, supplier, other individual or entity, or to any surety for or employee of any of them.

c. All duties and responsibilities undertaken pursuant to this agreement shall be for the sole and exclusive benefit of the owner and JEO and not for the benefit of any other party.

15. PRECEDENCE: These standards, terms, and conditions shall take precedence over any inconsistent or contradictory language contained in any proposal, contract, purchase order, requisition, notice to proceed, or like document regarding JEO's services.

16. SEVERABILITY: Any provision or part of the agreement held to be void or unenforceable shall be deemed stricken, and all remaining provisions shall continue to be valid and binding upon the owner and JEO, who agree that the agreement shall be reformed to replace such stricken provision or part thereof with a valid and enforceable provision that comes as close as possible to expressing the intention of the stricken provision.

17. NON-DISCRIMINATION CLAUSE: Pursuant to Neb. Rev. Stat. § 73-102, the parties declare, promise, and warrant that they have and will continue to comply fully with Title VI of the Civil Rights Act of 1964, as amended (42 U.S.C.A § 1985, et seq.) and the Nebraska Fair Employment Practice Act, Neb. Rev. Stat. § 48-1101, et seq., in that there shall be no discrimination against any employee who is employed in the performance of this agreement, or against any applicant for such employment, because of age, color, national origin, race, religion, creed, disability or sex.

18. E-VERIFY: JEO shall register with and use the E-Verify Program, or an equivalent federal program designated by the United States Department of Homeland Security or other federal agency authorized to verify the work eligibility status of a newly hired employee pursuant to the Immigration Reform and Control Act of 1986, to determine the work eligibility status of new employees physically performing services within the state where the work shall be performed. Engineer shall require the same of each consultant.

STREET IMPROVEMENTS

CRETE, NE

JEO 220169.00 – 2022 STREET IMPROVEMENTS

DRAFT ASSESSMENT CALCULATION

DATE MODIFIED: 1/31/2022

ESTIMATED STREET COSTS

32' WIDE CONCRETE PAVING = 3.5556 SY/Running Foot

- **7" Concrete Paving @ \$75/SY**
 - **\$75/SY x 3.5556 SY/Running Foot = \$267/Running Foot**
- **Subgrade Prep @ \$7/SY**
 - **\$7/SY x 3.5556 SY/Running Foot = \$25/Running Foot**
- **Excavation @ \$20/CY**
 - **\$20/CY x 1.185 CY/Running Foot = \$24/Running Foot**
 - **Assumed a depth of 1' for excavation**
- **Overhead Factor @ 1.20 (Engineering, Bond, Legal)**

\$267 + \$25 + \$24 = \$316/Running Foot

\$316 x 1.20 = \$379.20/Running Foot

\$379.20 divided by 2 = \$189.60/Running Foot per Side

ESTIMATED SIDEWALK COSTS

4' WIDE SIDEWALK = 4 SF/Running Foot per side

- **Concrete Sidewalk @ \$8/SF**
- **Overhead Factor @ 1.20 (Engineering, Bond, Legal)**

\$8/SF x 4 SF/Running Foot per side = \$32/Running Foot per side

\$32 x 1.20 = \$38.40/Running Foot per side

ESTIMATED COMBINED COSTS

\$189.60/Running Foot Paving + \$38.40/Running Foot Sidewalk = \$228/Running Foot

Estimated Assessment Paving and Sidewalk = \$228/Running Foot

ALL BLOCK MEASUREMENTS WERE MADE USING A PLAT MAP ON FILE

GAP #1 – 23RD STREET FROM MAIN AVENUE TO NORMAN AVENUE

258' + 122' + 116' = 496 running feet (RF)

496 RF * \$228/RF = \$113,088

GAP #2 - 18TH STREET FROM MAIN AVENUE TO LINDEN AVENUE AND LINDEN AVENUE FROM 18TH STREET TO 19TH STREET

18TH STREET:

116' + 122' + 116' + 122' = 476 running feet (RF)

LINDEN AVENUE:

264' + 264' = 528 running feet (RF)

TOTAL:

476 RF + 528 RF * \$228/RF = \$228,912

GAP #3 – 21ST STREET FROM MAIN AVENUE TO LINDEN AVENUE

116' + 122' + 116' + 122' = 476 running feet (RF)

476 RF * \$228/RF = \$108,528

GAP #4 – LINDEN AVENUE FROM 20TH STREET TO 21ST STREET

264' + 264' = 528 running feet (RF)

528 RF * \$228/RF = \$120,384

GAP #5 – OAK AVENUE FROM 17TH STREET TO 18TH STREET AND 18TH STREET FROM NORMAN AVENUE TO OAK AVENUE

OAK AVENUE:

$$264' + 68' + 264' = 596 \text{ running feet (RF)}$$

18TH STREET:

$$122' + 122' + 68' + 122' + 122' = 556 \text{ running feet (RF)}$$

TOTAL:

$$596 \text{ RF} + 556 \text{ RF} * \$228/\text{RF} = \$262,656$$

GAP #6 – KINGWOOD AVENUE FROM 21ST STREET TO 22ND STREET

$$264' + 264' = 528 \text{ running feet (RF)}$$

$$528 \text{ RF} * \$228/\text{RF} = \$120,384$$

GAP #7 – 23RD STREET FROM NORMAN AVENUE TO OAK AVENUE AND OAK AVENUE FROM 23RD STREET TO 22ND STREET

23RD STREET:

$$122' + 122' + 122' + 122' = 488 \text{ running feet (RF)}$$

OAK AVENUE:

$$264' + 68' + 264' = 596 \text{ running feet (RF)}$$

TOTAL:

$$488 \text{ RF} + 596 \text{ RF} * \$228/\text{RF} = \$247,152$$

GAP #8 – 21ST STREET FROM LINDEN AVENUE TO KINGWOOD AVENUE

$$122' + 122' + 122' + 122' = 488 \text{ running feet (RF)}$$

$$488 \text{ RF} * \$228/\text{RF} = \$111,264$$

GAP #9 – 20TH STREET FROM LINDEN AVENUE TO KINGWOOD AVENUE

122' + 122' + 122' + 122' = 488 running feet (RF)

488 RF * \$228/RF = \$111,264

GAP #10 – 21ST STREET FROM NORMAN AVENUE TO OAK AVENUE AND OAK AVENUE FROM 21ST STREET TO 22ND STREET

21ST STREET:

122' + 122' + 122' + 122' = 488 running feet (RF)

OAK AVENUE:

264' + 264' = 528 running feet (RF)

TOTAL:

488 RF + 528 RF * \$228/RF = \$231,648

ESTIMATED TOTAL ASSESSMENT COST:

**\$113,088+ \$228,912+ \$108,528+ \$120,384+ \$262,656+ \$120,384+ \$247,152+ \$111,264+
\$111,264 + \$231,648 = \$1,655,280**

ESTIMATED TOTAL PROJECT COST BREAKDOWN

\$3,382,344 (TOTAL COST) - \$1,655,280 (ASSESSED COST) = \$1,727,064 (GENERAL OBLIGATION)

ENGINEER'S CONCEPTUAL OPINION OF PROBABLE COST

2022 Gap Paving - 23rd Street (32' Wide) Main to Norman

Crete, NE

JEO Project No. 220169.00

Date Prepared:

January 31, 2022



ESTIMATE OF QUANTITIES

Item #	Description	Unit	Quantity	Unit Price	Total
Gap #1 - 23rd Street (32' Wide) Main to Norman					
1.	Mobilization	LS	1	\$11,000.00	\$11,000
2.	Bonding and Insurance	LS	1	\$3,500.00	\$3,500
3.	Clearing and Grubbing	LS	1	\$5,000.00	\$5,000
4.	Remove Tree	EA	6	\$1,800.00	\$10,800
5.	Remove CMP Storm Sewer Pipe	LF	25	\$15.00	\$375
6.	Remove Pavement	SY	120	\$25.00	\$3,000
7.	Remove and Replace Existing Concrete Curb and Gutter	LF	20	\$65.00	\$1,300
8.	Remove Concrete Sidewalk	SF	80	\$3.00	\$240
8.	Remove and Reset Mailbox	EA	2	\$100.00	\$200
10.	Reset Sign and Post	EA	2	\$250.00	\$500
11.	Excavation, Established Quantity	CY	500	\$20.00	\$10,000
12.	7" Concrete Pavement	SY	1,050	\$75.00	\$78,750
13.	6" Concrete Driveway	SY	150	\$75.00	\$11,250
14.	4" Concrete Sidewalk	SF	2,500	\$8.00	\$20,000
15.	Detectable Warning Panels	SF	128	\$35.00	\$4,480
16.	Subgrade Preparation	SY	1,050	\$7.00	\$7,350
17.	Gravel Surface Course	TONS	2	\$75.00	\$150
18.	Concrete Header	EA	2	\$1,000.00	\$2,000
19.	Adjust Valve Box to Grade	EA	1	\$500.00	\$500
20.	Temporary Traffic Control Measures	LS	1	\$2,500.00	\$2,500
21.	Silt Fence, High Porosity	LF	50	\$8.00	\$400
21.	Storm Sewer Inlet, Type A	EA	1	\$3,000.00	\$3,000
23.	Curb Inlet Sediment Filter	EA	2	\$300.00	\$600
24.	Hydro-Seeding, Fertilizer and Mulch	ACRE	0.20	\$8,000.00	\$1,600
				Construction Subtotal Base Bid	\$178,500
				Contingency 10%	\$17,850
				Total Opinion of Construction Cost	\$196,350
Gap #1 - PROFESSIONAL SERVICES					
1.	Design Services (Survey, Engineering, Construction)				\$23,562
2.	Support Services (Bond, Legal)				\$15,708
				Total Opinion of Project Cost	\$235,620
Gap #1 - GENERAL OBLIGATION & ASSESSMENT BREAKDOWN					
1.	Assessed Cost				\$113,088
2.	General Obligation Cost				\$122,532

ENGINEER'S CONCEPTUAL OPINION OF PROBABLE COST

2022 Gap Paving - 18th Street (32' Wide) Main - Linden and Linden Avenue, Crete, NE

JEO Project No. 220169.00

Date Prepared:
January 31, 2022



ESTIMATE OF QUANTITIES

Item #	Description	Unit	Quantity	Unit Price	Total	
Gap #2 - 18th Street (32' Wide) Main - Linden and Linden Avenue (32' Wide) 18th - 19th						
1.	Mobilization	LS	1	\$23,000.00	\$23,000	
2.	Bonding and Insurance	LS	1	\$7,000.00	\$7,000	
3.	Clearing and Grubbing	LS	1	\$5,000.00	\$5,000	
4.	Remove Tree	EA	7	\$1,800.00	\$12,600	
5.	Remove Pavement	SY	120	\$25.00	\$3,000	
6.	Remove and Replace Existing Concrete Curb and Gutter	LF	40	\$65.00	\$2,600	
7.	Remove Concrete Sidewalk	SF	80	\$3.00	\$240	
8.	Reset Sign and Post	EA	3	\$250.00	\$750	
9.	Remove and Reset Mailbox	EA	3	\$250.00	\$750	
10.	Excavation, Established Quantity	CY	1,000	\$20.00	\$20,000	
11.	7" Concrete Pavement	SY	2,150	\$75.00	\$161,250	
12.	6" Concrete Driveway	SY	300	\$75.00	\$22,500	
13.	4" Concrete Sidewalk	SF	4,800	\$8.00	\$38,400	
14.	Detectable Warning Panels	SF	80	\$35.00	\$2,800	
15.	Subgrade Preparation	SY	2,150	\$7.00	\$15,050	
16.	Gravel Surface Course	TONS	4	\$75.00	\$300	
17.	Concrete Header	EA	2	\$1,000.00	\$2,000	
18.	Adjust Valve Box to Grade	EA	2	\$500.00	\$1,000	
19.	Adjust Manhole to Grade	EA	1	\$750.00	\$750	
20.	Temporary Traffic Control Measures	LS	1	\$2,500.00	\$2,500	
21.	Silt Fence, High Porosity	LF	100	\$8.00	\$800	
22.	Curb Inlet Sediment Filter	EA	1	\$300.00	\$300	
23.	Hydro-Seeding, Fertilizer and Mulch	ACRE	0.40	\$8,000.00	\$3,200	
				Construction Subtotal	Base Bid	\$325,790
				Contingency	10%	\$32,580
				Total Opinion of Construction Cost		\$358,370
Gap #2 - PROFESSIONAL SERVICES						
1.	Design Services (Survey, Engineering, Construction)				\$43,004	
2.	Support Services (Bond, Legal)				\$28,670	
				Total Opinion of Project Cost	\$430,044	
Gap #2 - GENERAL OBLIGATION & ASSESSMENT BREAKDOWN						
1.	Assessed Cost				\$228,912	
2.	General Obligation Cost				\$201,132	

JEO Consulting Group Inc.'s (JEO) Opinions of Probable Cost provided for herein are to be made on the basis of JEO's experience and qualifications and represent JEO's best judgment. However, since JEO has no control over the cost of labor, materials, equipment, or services furnished by others, or over the Contractor's methods of determining prices, or over competitive bidding or market conditions, JEO cannot and does not guarantee that proposals, bids, or actual construction cost will not vary from Opinions of Probable Cost prepared by JEO.

ENGINEER'S CONCEPTUAL OPINION OF PROBABLE COST

2022 Gap Paving - 21st Street (32' Wide) Main to Linden

Crete, NE

JEO Project No. 220169.00

Date Prepared:
January 31, 2022



ESTIMATE OF QUANTITIES

Item #	Description	Unit	Quantity	Unit Price	Total	
Gap #3 - 21st Street (32' Wide) Main to Linden						
1.	Mobilization	LS	1	\$18,000.00	\$18,000	
2.	Bonding and Insurance	LS	1	\$6,000.00	\$6,000	
3.	Clearing and Grubbing	LS	1	\$5,000.00	\$5,000	
4.	Remove Tree	EA	6	\$1,800.00	\$10,800	
5.	Remove Pavement	SY	220	\$25.00	\$5,500	
6.	Remove and Replace Existing Concrete Curb and Gutter	LF	20	\$65.00	\$1,300	
7.	Remove Concrete Sidewalk	SF	2,000	\$3.00	\$6,000	
8.	Reset Sign and Post	EA	1	\$250.00	\$250	
9.	Excavation, Established Quantity	CY	500	\$20.00	\$10,000	
10.	7" Concrete Pavement	SY	2,000	\$75.00	\$150,000	
11.	6" Concrete Driveway	SY	175	\$75.00	\$13,125	
12.	4" Concrete Sidewalk	SF	2,600	\$8.00	\$20,800	
13.	Detectable Warning Panels	SF	64	\$35.00	\$2,240	
14.	Subgrade Preparation	SY	2,000	\$7.00	\$14,000	
15.	Gravel Surface Course	TONS	2	\$75.00	\$150	
16.	Concrete Header	EA	1	\$1,000.00	\$1,000	
17.	Adjust Valve Box to Grade	EA	1	\$500.00	\$500	
18.	Temporary Traffic Control Measures	LS	1	\$2,500.00	\$2,500	
19.	Silt Fence, High Porosity	LF	50	\$8.00	\$400	
20.	Hydro-Seeding, Fertilizer and Mulch	ACRE	0.20	\$8,000.00	\$1,600	
				Construction Subtotal	Base Bid	\$269,170
				Contingency	10%	\$26,920
				Total Opinion of Construction Cost		\$296,090
Gap #3 - PROFESSIONAL SERVICES						
1.	Design Services (Survey, Engineering, Construction)				\$35,531	
2.	Support Services (Bond, Legal)				\$23,687	
				Total Opinion of Project Cost	\$355,308	
Gap #3 - GENERAL OBLIGATION & ASSESSMENT BREAKDOWN						
1.					Assessed Cost	\$108,528
2.					General Obligation Cost	\$246,780

JEO Consulting Group Inc.'s (JEO) Opinions of Probable Cost provided for herein are to be made on the basis of JEO's experience and qualifications and represent JEO's best judgment. However, since JEO has no control over the cost of labor, materials, equipment, or services furnished by others, or over the Contractor's methods of determining prices, or over competitive bidding or market conditions, JEO cannot and does not guarantee that proposals, bids, or actual construction cost will not vary from Opinions of Probable Cost prepared by JEO.

ENGINEER'S CONCEPTUAL OPINION OF PROBABLE COST

2022 Gap Paving - Linden Avenue (32' Wide) 20th to 21st

Crete, NE

JEO Project No. 220169.00

Date Prepared:
January 31, 2022



ESTIMATE OF QUANTITIES

Item #	Description	Unit	Quantity	Unit Price	Total
Gap #4 - Linden Avenue (32' Wide) 20th to 21st					
1.	Mobilization	LS	1	\$13,000.00	\$13,000
2.	Bonding and Insurance	LS	1	\$4,000.00	\$4,000
3.	Clearing and Grubbing	LS	1	\$5,000.00	\$5,000
4.	Remove Tree	EA	9	\$1,800.00	\$16,200
5.	Remove Pavement	SY	35	\$25.00	\$875
6.	Remove and Replace Existing Concrete Curb and Gutter	LF	20	\$65.00	\$1,300
7.	Remove Concrete Sidewalk	SF	40	\$3.00	\$120
8.	Reset Sign and Post	EA	2	\$250.00	\$500
9.	Remove and Reset Mailbox	EA	1	\$250.00	\$250
10.	Excavation, Established Quantity	CY	500	\$20.00	\$10,000
11.	7" Concrete Pavement	SY	1,150	\$75.00	\$86,250
12.	6" Concrete Driveway	SY	100	\$75.00	\$7,500
13.	4" Concrete Sidewalk	SF	2,700	\$8.00	\$21,600
14.	Detectable Warning Panels	SF	64	\$35.00	\$2,240
15.	Subgrade Preparation	SY	1,150	\$7.00	\$8,050
16.	Gravel Surface Course	TONS	2	\$75.00	\$150
17.	Temporary Traffic Control Measures	LS	1	\$2,500.00	\$2,500
18.	Silt Fence, High Porosity	LF	50	\$8.00	\$400
19.	Hydro-Seeding, Fertilizer and Mulch	ACRE	0.20	\$8,000.00	\$1,600
				Construction Subtotal Base Bid	\$181,540
				Contingency 10%	\$18,160
				Total Opinion of Construction Cost	\$199,700

Gap #4 - PROFESSIONAL SERVICES

1.	Design Services (Survey, Engineering, Construction)	\$23,964
2.	Support Services (Bond, Legal)	\$15,976
Total Opinion of Project Cost		\$239,640

Gap #4 - GENERAL OBLIGATION & ASSESSMENT BREAKDOWN

1.	Assessed Cost	\$120,384
2.	General Obligation Cost	\$119,256

ENGINEER'S CONCEPTUAL OPINION OF PROBABLE COST

2022 Gap Paving - Oak Avenue (32' Wide) 17th to 18th and 18th Street (32' Wide) Norman to Oak
 Crete, NE
 JEO Project No. 220169.00

Date Prepared:
 January 31, 2022



ESTIMATE OF QUANTITIES

Item #	Description	Unit	Quantity	Unit Price	Total
Gap #5 - Oak Avenue (32' Wide) 17th to 18th and 18th Street (32' Wide) Norman to Oak					
1.	Mobilization	LS	1	\$26,000.00	\$26,000
2.	Bonding and Insurance	LS	1	\$8,500.00	\$8,500
3.	Clearing and Grubbing	LS	1	\$5,000.00	\$5,000
4.	Remove Tree	EA	21	\$1,800.00	\$37,800
5.	Remove CMP Storm Sewer Pipe	LF	12	\$15.00	\$180
6.	Remove Pavement	SY	50	\$25.00	\$1,250
7.	Remove and Replace Existing Concrete Curb and Gutter	LF	40	\$65.00	\$2,600
8.	Remove Concrete Sidewalk	SF	120	\$3.00	\$360
9.	Reset Sign and Post	EA	2	\$250.00	\$500
9.	Remove and Reset Mailbox	EA	3	\$250.00	\$750
11.	Excavation, Established Quantity	CY	1,000	\$20.00	\$20,000
12.	7" Concrete Pavement	SY	2,500	\$75.00	\$187,500
13.	6" Concrete Driveway	SY	200	\$75.00	\$15,000
14.	4" Concrete Sidewalk	SF	5,500	\$8.00	\$44,000
15.	Detectable Warning Panels	SF	96	\$35.00	\$3,360
16.	Subgrade Preparation	SY	2,500	\$7.00	\$17,500
17.	Gravel Surface Course	TONS	4	\$75.00	\$300
18.	Concrete Header	EA	2	\$1,000.00	\$2,000
19.	Temporary Traffic Control Measures	LS	1	\$2,500.00	\$2,500
20.	Silt Fence, High Porosity	LF	100	\$8.00	\$800
21.	Hydro-Seeding, Fertilizer and Mulch	ACRE	0.40	\$8,000.00	\$3,200

Construction Subtotal Base Bid \$379,100

Contingency 10% \$37,910

Total Opinion of Construction Cost \$417,010

Gap #5 - PROFESSIONAL SERVICES

1.	Design Services (Survey, Engineering, Construction)	\$50,041
2.	Support Services (Bond, Legal)	\$33,361
Total Opinion of Project Cost		\$500,412

Gap #5 - GENERAL OBLIGATION & ASSESSMENT BREAKDOWN

1.	Assessed Cost	\$262,656
2.	General Obligation Cost	\$237,756

ENGINEER'S CONCEPTUAL OPINION OF PROBABLE COST**2022 Gap Paving - Kingwood Avenue (32' Wide) 21st to 22nd**

Crete, NE

JEO Project No. 220169.00

Date Prepared:

January 31, 2022

**ESTIMATE OF QUANTITIES**

Item #	Description	Unit	Quantity	Unit Price	Total	
Gap #6 - Kingwood Avenue (32' Wide) 21st to 22nd						
1.	Mobilization	LS	1	\$12,000.00	\$12,000	
2.	Bonding and Insurance	LS	1	\$4,000.00	\$4,000	
3.	Clearing and Grubbing	LS	1	\$5,000.00	\$5,000	
4.	Remove Tree	EA	13	\$1,800.00	\$23,400	
5.	Remove Pavement	SY	80	\$25.00	\$2,000	
6.	Remove and Replace Existing Concrete Curb and Gutter	LF	20	\$65.00	\$1,300	
7.	Excavation, Established Quantity	CY	500	\$20.00	\$10,000	
8.	7" Concrete Pavement	SY	1,050	\$75.00	\$78,750	
9.	4" Concrete Sidewalk	SF	2,500	\$8.00	\$20,000	
10.	Detectable Warning Panels	SF	64	\$35.00	\$2,240	
11.	Subgrade Preparation	SY	1,050	\$7.00	\$7,350	
12.	Gravel Surface Course	TONS	2	\$75.00	\$150	
13.	Temporary Traffic Control Measures	LS	1	\$2,500.00	\$2,500	
14.	Silt Fence, High Porosity	LF	50	\$8.00	\$400	
15.	Hydro-Seeding, Fertilizer and Mulch	ACRE	0.20	\$8,000.00	\$1,600	
				Construction Subtotal	Base Bid	\$170,690
				Contingency	10%	\$17,070
				Total Opinion of Construction Cost		\$187,760
Gap #6 - PROFESSIONAL SERVICES						
1.	Design Services (Survey, Engineering, Construction)				\$22,531	
2.	Support Services (Bond, Legal)				\$15,021	
				Total Opinion of Project Cost	\$225,312	
Gap #6 - GENERAL OBLIGATION & ASSESSMENT BREAKDOWN						
1.	Assessed Cost				\$120,384	
2.	General Obligation Cost				\$104,928	

ENGINEER'S CONCEPTUAL OPINION OF PROBABLE COST

**2022 Gap Paving - 23rd Street (32' Wide) Norman to Oak and Oak Avenue
Crete, NE**

JEO Project No. 220169.00

Date Prepared:
January 31, 2022



ESTIMATE OF QUANTITIES

Item #	Description	Unit	Quantity	Unit Price	Total	
Gap #7 - 23rd Street (32' Wide) Norman to Oak and Oak Avenue (32' Wide) 23rd to 22nd						
1.	Mobilization	LS	1	\$22,000.00	\$22,000	
2.	Bonding and Insurance	LS	1	\$7,500.00	\$7,500	
3.	Clearing and Grubbing	LS	1	\$5,000.00	\$5,000	
4.	Remove Tree	EA	3	\$1,800.00	\$5,400	
5.	Remove Pavement	SY	64	\$25.00	\$1,600	
6.	Remove and Replace Existing Concrete Curb and Gutter	LF	40	\$65.00	\$2,600	
7.	Remove Concrete Sidewalk	SF	80	\$3.00	\$240	
8.	Reset Sign and Post	EA	3	\$250.00	\$750	
9.	Remove and Reset Mailbox	EA	3	\$250.00	\$750	
10.	Excavation, Established Quantity	CY	1,000	\$20.00	\$20,000	
11.	7" Concrete Pavement	SY	2,400	\$75.00	\$180,000	
12.	6" Concrete Pavement	SY	250	\$75.00	\$18,750	
13.	4" Concrete Sidewalk	SF	5,200	\$8.00	\$41,600	
14.	Detectable Warning Panels	SF	72	\$35.00	\$2,520	
15.	Subgrade Preparation	SY	2,400	\$7.00	\$16,800	
16.	Gravel Surface Course	TONS	4	\$75.00	\$300	
17.	Concrete Header	EA	1	\$1,000.00	\$1,000	
18.	Adjust Valve Box to Grade	EA	1	\$500.00	\$500	
19.	Temporary Traffic Control Measures	LS	1	\$2,500.00	\$2,500	
20.	Silt Fence, High Porosity	LF	50	\$8.00	\$400	
21.	Curb Inlet Sediment Filter	EA	3	\$300.00	\$900	
22.	Hydro-Seeding, Fertilizer and Mulch	ACRE	0.40	\$8,000.00	\$3,200	
				Construction Subtotal	Base Bid	\$334,310
				Contingency	10%	\$33,440
				Total Opinion of Construction Cost		\$367,750
Gap #7 - PROFESSIONAL SERVICES						
1.	Design Services (Survey, Engineering, Construction)				\$44,130	
2.	Support Services (Bond, Legal)				\$29,420	
				Total Opinion of Project Cost	\$441,300	
Gap #7 - GENERAL OBLIGATION & ASSESSMENT BREAKDOWN						
1.	Assessed Cost				\$247,152	
2.	General Obligation Cost				\$194,148	

ENGINEER'S CONCEPTUAL OPINION OF PROBABLE COST**2022 Gap Paving - 21st Street (32' Wide) Linden to Kingwood**

Crete, NE

JEO Project No. 220169.00

Date Prepared:

January 31, 2022

**ESTIMATE OF QUANTITIES**

Item #	Description	Unit	Quantity	Unit Price	Total	
Gap #8 - 21st Street (32' Wide) Linden to Kingwood						
1.	Mobilization	LS	1	\$10,000.00	\$10,000	
2.	Bonding and Insurance	LS	1	\$3,500.00	\$3,500	
3.	Clearing and Grubbing	LS	1	\$5,000.00	\$5,000	
4.	Remove Tree	EA	3	\$1,800.00	\$5,400	
5.	Remove Pavement	SY	65	\$25.00	\$1,625	
6.	Remove and Replace Existing Concrete Curb and Gutter	LF	20	\$65.00	\$1,300	
7.	Remove Concrete Sidewalk	SF	80	\$3.00	\$240	
8.	Reset Sign and Post	EA	1	\$250.00	\$250	
9.	Remove and Reset Mailbox	EA	1	\$250.00	\$250	
10.	Excavation, Established Quantity	CY	500	\$20.00	\$10,000	
11.	7" Concrete Pavement	SY	1,000	\$75.00	\$75,000	
12.	6" Concrete Pavement	SY	50	\$75.00	\$3,750	
13.	4" Concrete Sidewalk	SF	2,500	\$8.00	\$20,000	
14.	Detectable Warning Panels	SF	56	\$35.00	\$1,960	
15.	Subgrade Preparation	SY	1,000	\$7.00	\$7,000	
16.	Gravel Surface Course	TONS	2	\$75.00	\$150	
17.	Adjust Valve Box to Grade	EA	1	\$500.00	\$500	
18.	Temporary Traffic Control Measures	LS	1	\$2,500.00	\$2,500	
19.	Silt Fence, High Porosity	LF	50	\$8.00	\$400	
20.	Hydro-Seeding, Fertilizer and Mulch	ACRE	0.20	\$8,000.00	\$1,600	
				Construction Subtotal	Base Bid	\$150,430
				Contingency	10%	\$15,050
				Total Opinion of Construction Cost		\$165,480
Gap #8 - PROFESSIONAL SERVICES						
1.	Design Services (Survey, Engineering, Construction)				\$19,858	
2.	Support Services (Bond, Legal)				\$13,238	
				Total Opinion of Project Cost	\$198,576	
Gap #8 - GENERAL OBLIGATION & ASSESSMENT BREAKDOWN						
1.	Assessed Cost				\$111,264	
2.	General Obligation Cost				\$87,312	

ENGINEER'S CONCEPTUAL OPINION OF PROBABLE COST

2022 Gap Paving - 20th Street (32' Wide) Linden to Kingwood

Crete, NE

JEO Project No. 220169.00

Date Prepared:

January 31, 2022

**ESTIMATE OF QUANTITIES**

Item #	Description	Unit	Quantity	Unit Price	Total
Gap #9 - 20th Street (32' Wide) Linden to Kingwood					
1.	Mobilization	LS	1	\$10,000.00	\$10,000
2.	Bonding and Insurance	LS	1	\$4,000.00	\$4,000
3.	Clearing and Grubbing	LS	1	\$5,000.00	\$5,000
4.	Remove Tree	EA	8	\$1,800.00	\$14,400
5.	Remove Pavement	SY	50	\$25.00	\$1,250
6.	Remove and Replace Existing Concrete Curb and Gutter	LF	20	\$65.00	\$1,300
7.	Reset Sign and Post	EA	1	\$250.00	\$250
8.	Remove and Reset Mailbox	EA	1	\$250.00	\$250
9.	Excavation, Established Quantity	CY	500	\$20.00	\$10,000
10.	7" Concrete Pavement	SY	1,050	\$75.00	\$78,750
11.	6" Concrete Pavement	SY	100	\$75.00	\$7,500
12.	4" Concrete Sidewalk	SF	2,400	\$8.00	\$19,200
13.	Detectable Warning Panels	SF	16	\$35.00	\$560
14.	Subgrade Preparation	SY	1,050	\$7.00	\$7,350
15.	Gravel Surface Course	TONS	2	\$75.00	\$150
16.	Concrete Header	EA	1	\$1,000.00	\$1,000
17.	Temporary Traffic Control Measures	LS	1	\$2,500.00	\$2,500
18.	Silt Fence, High Porosity	LF	50	\$8.00	\$400
19.	Hydro-Seeding, Fertilizer and Mulch	ACRE	0.20	\$8,000.00	\$1,600
				Construction Subtotal Base Bid	\$165,460
				Contingency 10%	\$16,550
				Total Opinion of Construction Cost	\$182,010
Gap #9 - PROFESSIONAL SERVICES					
1.	Design Services (Survey, Engineering, Construction)				\$21,841
2.	Support Services (Bond, Legal)				\$14,561
				Total Opinion of Project Cost	\$218,412
Gap #9 - GENERAL OBLIGATION & ASSESSMENT BREAKDOWN					
1.	Assessed Cost				\$111,264
2.	General Obligation Cost				\$107,148

ENGINEER'S CONCEPTUAL OPINION OF PROBABLE COST

2022 Gap Paving - 21st Street (32' Wide) Norman to Oak & Oak Avenue (Crete, NE

JEO Project No. 220169.00

Date Prepared:
January 31, 2022



ESTIMATE OF QUANTITIES

Item #	Description	Unit	Quantity	Unit Price	Total	
Gap #10 - 21st Street (32' Wide) Norman to Oak & Oak Avenue (32' Wide) 21st to 22nd						
1.	Mobilization	LS	1	\$24,000.00	\$24,000	
2.	Bonding and Insurance	LS	1	\$8,000.00	\$8,000	
3.	Clearing and Grubbing	LS	1	\$5,000.00	\$5,000	
4.	Remove Tree	EA	10	\$1,800.00	\$18,000	
5.	Remove Pavement	SY	75	\$25.00	\$1,875	
6.	Remove and Replace Existing Concrete Curb and Gutter	LF	40	\$65.00	\$2,600	
7.	Remove Concrete Sidewalk	SF	80	\$3.00	\$240	
8.	Reset Sign and Post	EA	1	\$250.00	\$250	
	Remove and Reset Mailbox	EA	2	\$250.00	\$500	
10.	Excavation, Established Quantity	CY	1,000	\$20.00	\$20,000	
11.	7" Concrete Pavement	SY	2,750	\$75.00	\$206,250	
12.	6" Concrete Pavement	SY	200	\$75.00	\$15,000	
13.	4" Concrete Sidewalk	SF	5,200	\$8.00	\$41,600	
14.	Detectable Warning Panels	SF	64	\$35.00	\$2,240	
15.	Subgrade Preparation	SY	2,750	\$7.00	\$19,250	
16.	Gravel Surface Course	TONS	4	\$75.00	\$300	
17.	Concrete Header	EA	1	\$1,000.00	\$1,000	
18.	Adjust Valve Box to Grade	EA	1	\$500.00	\$500	
19.	Temporary Traffic Control Measures	LS	1	\$2,500.00	\$2,500	
20.	Silt Fence, High Porosity	LF	100	\$8.00	\$800	
21.	Curb Inlet Sediment Filter	EA	1	\$300.00	\$300	
22.	Hydro-Seeding, Fertilizer and Mulch	ACRE	0.40	\$8,000.00	\$3,200	
				Construction Subtotal	Base Bid	\$373,410
				Contingency	20%	\$74,690
				Total Opinion of Construction Cost		\$448,100
Gap #10 - PROFESSIONAL SERVICES						
1.	Design Services (Survey, Engineering, Construction)				\$53,772	
2.	Support Services (Bond, Legal)				\$35,848	
				Total Opinion of Project Cost	\$537,720	
Gap #10 - GENERAL OBLIGATION & ASSESSMENT BREAKDOWN						
1.	Assessed Cost				\$231,648	
2.	General Obligation Cost				\$306,072	

From: Jamie Simmerman <Jamie@vkbros.net>
Sent: Monday, January 31, 2022 2:09:56 PM
To: Steve Rogge <Steve@vkbros.net>
Cc: Melissa Scheidemann <Mel@vkbros.net>
Subject: Crete, NE Extra Work Prices

Steve,

Here are the following prices:

1. Mobilization	1 LS	\$3000.00	\$3000.00
2. 8" Sanitary Sewer	322 LF	\$75.00	\$24,150.00
3. Connect to Existing Manhole	1 EA	\$1000.00	\$1000.00
4. Build Inside Drop on Manhole	1 EA	\$1850.00	\$1850.00
5. 8" x 4" Wye and Cap	3 EA	\$325.00	\$975.00
6. 4" Sanitary Sewer Service	100 LF	\$56.00	\$5600.00
7. 4" 45 Deg Bends	3 EA	\$75.00	\$225.00
8. Manholes	20 VF	\$535.00	\$10,700.00
9. Regrade, Shape & Rock Street	1 LS	\$4825.00	\$4825.00
10. Remove & Reinstall 24" CMP	40 LF	\$48.00	\$1920.00
11. Testing	1 LS	\$1375.00	\$1375.00
12. Signs & Barricades	1 LS	\$825.00	\$825.00
13. SWPPP & BMP's	1 LS	\$1285.00	\$1285.00
TOTAL			\$57,730.00

Let me know if you have questions.

Thanks,
Jamie