



REQUEST FOR QUALIFICATIONS

For

**ENGINEERING SERVICES FOR THE
2024 CAPITAL IMPROVEMENT PROJECTS;
SELECTED LOCATIONS**

RFQ Opening

Thursday, August 17, 2023 @ 4:00 pm
City of Grand Island, City Hall
100 East 1st Street
Grand Island, NE 68801

**ENGINEERING DIVISION
DEPARTMENT OF PUBLIC WORKS
GRAND ISLAND, NEBRASKA**

JULY 2023

**ADVERTISEMENT
REQUEST FOR QUALIFICATIONS**

**ENGINEERING SERVICES FOR THE PUBLIC WORKS DEPARTMENT
2024 CAPITAL IMPROVEMENT PROJECTS; SELECTED LOCATIONS**

CITY OF GRAND ISLAND, NEBRASKA

Statements of qualification submittals will be received by the City Clerk's Office, 100 E 1st Street or PO Box 1968, Grand Island, NE 68802 until **4:00 p.m. (local time) on Thursday, August 17, 2023** for **Public Works Department 2024 Capital Improvement Projects; Selected Locations, City of Grand Island, Nebraska**. Submittals received after the specified time will be retained unopened until after award. Submittals must be based on the City's Request for Qualifications and will be publicly opened at the designated time in Conference Room #1 located on the 1st floor of City Hall. Submittals received after the specified time will be returned unopened to sender.

Documents for use in preparing submittals may be downloaded from the Quest CDN website, www.QuestCDN.com for a forty two dollar (\$42) fee. Submittals must either be uploaded to the Quest CDN website or received in hard copy before the specified time to be considered.

Contact Keith Kurz, Assistant Public Works Director, at keithk@grand-island.com for further information.

The statement of qualification and any addenda may be viewed on-line at www.grand-island.com under Business - Bid Calendar.

Submittals shall include, but are not limited to:

- **Introductory Letter**
- **Statement of Qualifications**
- **Project Schedule and Approach**
- **References**
- **Insurance**
- **Miscellaneous (any exceptions to the submittal requirements)**

The award winning submittal(s) will be required to comply with the City's insurance requirements.

Submittals will be evaluated based upon firm experience and qualifications on similar work, proposed project schedule/approach, and past experience working with the City of Grand Island Public Works Department. Submittals shall remain firm for a period of ninety (90) days after due date. The City of Grand Island reserves the right to refuse any or all submittals, to waive technicalities, and to accept whichever submittal that may be in the best interest of the City, at its sole discretion.

TITLE VI

The City of Grand Island, in accordance with Title VI of the Civil Rights Act of 1964, 78 Stat. 252, 42 U.S.C 2000d to 2000d-4 and Title 49, Code of Federal Regulations, Department of Transportation, Subtitle A, Office the Secretary, Part 21, Nondiscrimination in Federally assisted programs of the Department of Transportation issued pursuant to such Act, hereby notified all bidden that it will affirmatively insure that in any contact entered into pursuant to this advertisement, minority business enterprises will be afforded full opportunity to submit bids in response to this invitation and will not be discriminated against on the grounds of race, color, or national origin, sex, age and disability/handicap in consideration for an award.

SECTION 504/ADA NOTICE TO THE PUBLIC

The City of Grand Island does not discriminate on the basis of disability in admission of its programs, services, or activities, in access to them, in treatment of individuals with disabilities, or in any aspect of their operations. The City of Grand Island also does not discriminate on the basis of disability in its hiring or employment practices.

This notice is provided as required by Title II of the Americans with Disabilities Act of 1990 and Section 504 of the Rehabilitation Act of 1973. Questions, complaints, or requests for additional information or accommodation regarding the ADA and Section 504 may be forwarded to the designated ADA and Section 504 compliance coordinator.

City Administrator
308-389-0140
100 East First Street, Grand Island, NE 68801
Monday through Friday; 8:00 a.m. to 5:00 p.m.

RaNae Edwards
City Clerk



**CITY OF GRAND ISLAND
REQUEST FOR QUALIFICATIONS
FOR ENGINEERING SERVICES FOR THE
2024 CAPITAL IMPROVEMENT PROJECTS;
SELECTED LOCATIONS**

PURPOSE

This Request for Qualification is for the solicitation of qualified individuals and/or firms to provide engineering services for the 2024 Capital Improvement Projects.

PROJECT BACKGROUND AND SCOPE OF WORK

The City of Grand Island is requesting engineering services for several projects contained in the 2024 fiscal year capital improvement budget. The consultant may choose to submit for as many or as few of the projects that they are qualified for. See list of projects below. Each project has a sheet outlining the project background, an initial scope, and an exhibit.

LIST OF PROJECTS – SEE ATTACHED PROJECT DESCRIPTIONS

- Project 1 – Independence Avenue – Capital to Manchester
- Project 2 – Stuhr Road Turn Lanes
- Project 3 – South Locust – 34 to Diversion
- Project 4 – Sanitary Sewer Various Locations Rehabilitation
- Project 5 – Sanitary Sewer CIPP
- Project 6 – Sanitary Sewer Manhole Rehabilitation
- Project 7 – WWTP UV Upgrade

PROJECT INFORMATION

Questions regarding the technical aspects of each individual project submittal are to be directed to the individual listed on each separate project sheet.

SELECTION PROCESS

Submittals will be evaluated with the following considerations, along with the weight percentages assigned to each element, which will be used to rank and evaluate the proposals:

- Firm experience and qualifications on similar work. (50%)
- Proposed project schedule/approach (40%)
- Past experience working with the City of Grand Island Public Works Department. (10%)

This Request for Qualification does not commit the City to award a contract or agreement, to pay any cost incurred in the preparation of a submittal responding to this request, or to contract for services. The City reserves the right to accept or reject any or all submittals received, to negotiate with qualified sources, or to cancel the request in total or in part. The City may require the selected consultant to submit such data or other information necessary to substantiate costs, or to revise technical, schedule or other elements of their submittals in accordance with contract negotiations.

Each project will be evaluated on the above considerations individually. This means that each project will be awarded to the consultant who scores the best on that project, regardless of the consultant's qualifications on another project.

Interviews of shortlisted firms may be requested by the city on any and/or all projects. If requested, interviews will be used to further evaluate the above noted criteria.

CONTENT OF PROPOSAL

Submittals should be as *concise* as possible, and should contain as a minimum the information presented below. Submittals for partial categories of work will not be accepted. Additional materials, including detailed resumes and brochures may be submitted as an attachment to the submittal. Brochures and marketing materials not directly related to specific experience with the proposed scope of work shall not be submitted.

Proposal package shall include the following:

Introductory Letter:

- A one (1) page introductory letter, addressed to the Assistant Public Works Director which contains the firm's mailing address, telephone number, fax number, type of ownership, and the name of the person to contact, with email address, regarding the qualifications. The letter should also state an expression of the consultant's interest in the work, and describe the firm's geographical location within the project geographic area and knowledge of the locality of the project. This letter should address specifically which projects are being submitted on.

Statement(s) of Qualifications

Each project should be covered in the statement of qualification.

- Consultant's qualifications and experience in the recent past on projects with similar work to that of the work category of interest. Consultant should demonstrate full capability in providing the required services.
- Identification and role of key personnel proposed to participate in the project, along with their background and experience. Be specific in identifying the nature and the extent of each person's participation.
- Identification of any sub consultant necessary for the projects identified.

Project Schedule and approach:

Each project requires separate schedule and approach.

- Consultant to provide an approach and proposed schedule to the project.

References:

- Attach a separate sheet containing a minimum of three (3) references for whom the consultant has provided similar work during the previous ten (10) years.

Insurance:

- Include a statement that all consultants involved have insurance coverage acceptable to the City. See Below.

Miscellaneous:

- Any exception(s) to the submittal requirements
- **A digital PDF copy of the entire submittal shall be included with the package**

FINAL SELECTION IS SUBJECT TO REVIEW AND APPROVAL BY THE GRAND ISLAND CITY COUNCIL AND IS CONTINGENT UPON NEGOTIATING A SATISFACTORY AGREEMENT.

PRICE AND SCOPE

The City will negotiate the scope and associated fees required to complete the project with the consultant whose qualifications best meet the project based on the criteria. If negotiations are unsuccessful with the highest ranked firm the next highest firm will enter into negotiations.

TECHNICAL REQUIREMENTS

In an effort to standardize with other City of Grand Island departments, the City of Grand Island Public Works Department has adopted the Low Distortion Projection (LDP) coordinate system as the standard coordinate system for all spatial data housed in GIS and CAD.

The City of Grand Island Public Works Department requests that in addition to the traditional construction plan sets delivered in PDF format (original design and final as-built versions), that corresponding CAD drawing or drawings be provided to Public Works registered to the LDP coordinate system. One CAD drawing submittal is requested at the initial approval for construction and another is requested representing the as built condition of the project. CAD drawings shall be in .dwg format. These submittals greatly reduce time needed to input this data into the City GIS database.

Additional information about the LDP projection standard is available on the city website at www.grand-island.com/departments/public-works/engineering/standard-coordinate-system.

SUBMISSION DEADLINE

Respondents to this RFQ must deliver five (5) copies of their proposal to:

Attn: City Clerk
City of Grand Island
City Hall, 100 East First Street
P.O. Box 1968
Grand Island, NE 68808-1968

Submittals should be marked **“2024 C.I.P LIST - SELECTED LOCATIONS - ENGINEERING SERVICES”** and shall be delivered to the Office of the City Clerk no later than **4:00 p.m. on August 17, 2023**.

Documents provided shall remain firm for a period of ninety (90) days after the submittal due date. Submittals received after the designated time will not be considered in the selection process and will be retained unopened until after award. The City reserves the right to accept or reject any or all submittals and to waive informalities or irregularities in the selection process.

ANTICIPATED SELECTION SCHEDULE

August 17, 2023	Proposal Due
September 5 – September 26, 2023	Begin Contract Negotiations with Highest Ranked Firm
October 10, 2023	City Council Approval of Agreement
October 11, 2023	Issue Notice to Proceed

GRATUITIES AND KICKBACKS

City Code states that it is unethical for any person to offer, give or agree to give any City employee or former City employee, or for any City employee or former City employee to solicit, demand, accept, or agree to accept from another person, a gratuity or an offer of employment in connection with any decision, approval, disapproval, recommendation, or preparation of any part of a program requirement or a purchase request, influencing the content of any specification or procurement standard, rendering of advice, investigation, auditing, or in any other advisory capacity in any proceeding or application, request for ruling, determination, claim or controversy, or other particular matter, pertaining to any program requirement or a contract or subcontract, or to any solicitation or

proposal therefore. It shall be unethical for any payment, gratuity, or offer of employment to be made by or on behalf of a consultant under a contract to the prime consultant or higher tier consultant or any person associated therewith, as an inducement for the award of an agreement or order.

INSURANCE

Provide a summary of the firm’s (and sub-consultant’s) insurance coverage. Minimum limits and types of insurance that are required to be maintained throughout the term of the project are identified in this section.

WORKERS' COMPENSATION AND EMPLOYER'S LIABILITY

1. "Worker's Compensation and Employer's Liability." This insurance shall protect the Contractor against all claims under applicable State worker's compensation laws. This insurance shall provide coverage in every state in which work for this project might be conducted. The Contractor shall also be protected against claims for injury, disease, or death of employees which, for any reason, may not fall within the provisions of a worker's compensation law. This policy shall include an "all states" endorsement. The liability limits shall be not less than the following:

Worker's Compensation	Statutory Limits
Employer's Liability	\$100,000 each accident
	\$100,000 each employee
	\$500,000 policy limit

2. "Business Automobile Liability." This insurance shall be written in comprehensive form and shall protect the Contractor, Contractor’s employees, or subcontractors from claims due to the ownership, maintenance, or use of a motor vehicle. The liability limits shall be not less than the following:

Bodily Injury & Property Damage	\$500,000 Combined Single Limit
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3. "Comprehensive General Liability." The comprehensive general liability coverage shall contain no exclusion relative to explosion, collapse, or underground property. The liability limits shall be not less than the following:

Bodily Injury & Property Damage	\$ 500,000 each occurrence
	\$1,000,000 aggregate

4. "Umbrella Liability Insurance." This insurance shall protect the Contractor against claims in excess of the limits provided under employer’s liability, comprehensive automobile liability, and commercial general liability policies. The umbrella policy shall follow the form of the primary insurance, including the application of the primary limits. The liability limits shall not be less than the following:

Bodily Injury & Property Damage	\$1,000,000 each occurrence
	\$1,000,000 general aggregate

5. Additional Requirements. The City may require insurance covering a Contractor or Subcontractor more or less than the standard requirements set forth herein depending upon the character and extent of the work to be performed by such Contractor or Subcontractor.

Insurance as herein required shall be maintained in force until the City releases the Contractor of all obligations under the contract.

The Contractor shall provide and carry any additional insurance as may be required by special provisions of these specifications.

6. Certificate of Insurance. Satisfactory certificates of insurance shall be filed with the City prior to starting any work on this contract. The certificates shall show the City as an additional insured on all coverage except Workers Compensation. The certificate shall state that thirty (30) days written notice shall be given to the City before any policy is cancelled (strike the “endeavor to” wording often shown on certificate forms). If the Contractor cannot have the “endeavor to” language stricken, the Contractor may elect to provide a new certificate of insurance every thirty (30) days during the contract. The Contractor shall immediately notify the City if there is any reduction of coverage because of revised limits or claims paid which affect the aggregate of any policy.

FAIR EMPLOYMENT PRACTICES

The Contractor agrees to comply with all applicable State fair labor standards in the execution of this contract as required by Section 73-102, R.R.S. 1943. The Contractor further agrees to comply with the provisions of Section 48-657, R.R.S. 1943, pertaining to contributions to the Unemployment Compensation Fund of the State of Nebraska. During the performance of this contract, the Contractor and all subcontractors agree not to discriminate in hiring or any other employment practice on the basis of race, color, religion, sex, national origin, age or disability and to comply at all times with all applicable state and federal civil rights acts and executive orders of the President of the United States.

LB 403

Every public contractor and his, her or its subcontractors who are awarded a contract by the City for the physical performance of services within the State of Nebraska shall register with and use a federal immigration verification system to determine the work eligibility status of new employees physically performing services within the State of Nebraska.

FISCAL YEARS

The City of Grand Island, Nebraska operates on a fiscal year beginning October 1st and ending on the following September 30th. It is understood and agreed that any portion of this agreement which will be performed in a future fiscal year is contingent upon the City Council adopting budget statements and appropriations sufficient to fund such performance.

TERMS AND CONDITIONS

The City will not pay any costs incurred by the firm in preparing or submitting the requested documents. The City reserves the right to modify or cancel, in part or in its entirety, this RFQ. The City reserves the right to reject any or all submittals, to waive defects or informalities, and to offer to contract with any firm in response to any RFQ.

This RFQ does not constitute any form of offer to contract.

The projects listed in this RFQ are subject to the final approval of the 2024 City of Grand Island budget by city council. If a project gets cut from the budget, professional services for that project will not be required. Scope may be reduced or project may not be awarded if other circumstances change.

TITLE VI

The City of Grand Island, in accordance with Title VI of the Civil Rights Act of 1964, 78 Stat. 252, 42 U.S.C 2000d to 2000d-4 and Title 49, Code of Federal Regulations, Department of Transportation, Subtitle A, Office the Secretary, Part 21, Nondiscrimination in Federally assisted programs of the Department of Transportation issued pursuant to such Act, hereby notified all bidden that it will affirmatively insure that in any contact entered into pursuant to this advertisement, minority business enterprises will be afforded full opportunity to submit bids in response to this invitation and will not be discriminated against on the grounds of race, color, or national origin, sex, age and disability/handicap in consideration for an award.

SECTION 504/ADA NOTICE TO THE PUBLIC

The City of Grand Island does not discriminate on the basis of disability in admission of its programs, services, or activities, in access to them, in treatment of individuals with disabilities, or in any aspect of their operations. The City of Grand Island also does not discriminate on the basis of disability in its hiring or employment practices.

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City Administrator
308-389-0140
100 East First Street, Grand Island, NE 68801
Monday through Friday; 8:00 a.m. to 5:00 p.m.

End of Request for Qualifications Information

Project Name: **Project 1 – Independence Avenue – Manchester to Capital
Macron – Capital to Norseman
Jay Street – Capital to Dack**

Estimated Project Schedule:

Design/Cost Est/Bid: 2024
Construction: 2025

Project Background:

This project is for the improvement of the roads as outlined above. The Public Works Department is proposing to replace the existing asphalt street with a concrete curb and gutter roadway section along with associated sidewalk, traffic control, drainage and all other improvements needed to complete the project.

Project Scope:

Traffic Study Services

- Have project kickoff meeting with City to discuss direction of the project.
- Work with city staff to obtain any traffic data needed to evaluate operation of intersections and roadway sections within the project area.
- Perform intersection performance analysis and lane capacity analysis and make recommendations for improvements.

Conceptual Design Services

- Have project kickoff meeting with City to discuss direction of the project.
- Use generated traffic data to develop conceptual design of proposed roadway improvements.
- Have or help organize a public involvement meeting or stakeholder meetings about the project with surrounding property owners and/or the general public.
- Use design information to develop costs estimates for project costs.
- Develop phasing plan with associated budgets for each phase in the occurrence that project will get phased due to budget constraints.
- Look at conceptual design of Independence from Manchester to Shanna Street to make sure current project will work with potential future project.

Surveying Services

- Perform topographic survey required for design of this project.
- ROW and potentially permanent and temporary construction easements will be acquired for this project.
- Draft legal easement and ROW documents as needed.

ROW Appraisal Services

- ROW appraisal services will be required for the above easements / ROW.
- Aid in acquiring needed easements / ROW for project

Geotechnical Services

- Geotechnical service will be required to verify soil conditions and provide proper pavement design for traffic conditions on this roadway.

Engineering Design Services

- Have project kickoff meeting with City to discuss direction of the project as well as intermittent meetings throughout design process.
- Have or help organize a public involvement meeting about the project design or construction progress with surrounding property owners and/or the general public.
- Provide utility coordination with existing utilities in the corridor to allow for new roadway improvements
- Provide construction documents stamped and sealed by a Professional Engineer licensed in the State of Nebraska for the improvements as indicated from the conceptual design phase for roadway paving, temporary traffic control, drainage, pavement stripping, erosion control, signing and all other related improvements needed for the project. Documents shall be provided as:
 - Electronic AutoCAD Civil 3D files; Half size final prints on 11x17; Electronic PDF files
- Provide any special provisions that are not part of the Grand Island City Specifications that the engineer deems needed for this job for the City to incorporate in the bidding documents.

Construction Phase Services

Provide construction observation, construction staking, and soil and material sampling and testing in accordance with the project technical specifications and at the direction of the Project Engineer. Work includes providing personnel and equipment to:

- Take concrete samples and perform concrete testing
- Take soil samples to perform classification, moisture content, gradation, and relative compaction tests
- Take field density tests to verify appropriate compactive effort is producing the required compaction results
- Provide construction oversight to observe compliance with City of Grand Island Specifications.
- Provide necessary construction staking services in order for contractor to build project per plans.
- Submit weekly construction testing reports to the City by Monday of the following week

Project Contact: Assistant Public Works Director; Keith Kurz keithk@grand-island.com

Project Name: Project 2 – Stuhr Road Northbound Turn Lanes at Highway 30

Estimated Project Schedule:

Design/Cost Est/Bid: 2024

Construction: 2025

Project Background:

This project is for the improvement of Stuhr Road at the intersection of Highway 30. The Public Works Department is proposing to enhance the existing northbound lanes with dual left turn lanes along with traffic control, drainage and all other improvements needed to complete the project.

Project Scope:

Traffic Study Services

- Have project kickoff meeting with City to discuss direction of the project.
- Work with city staff to obtain any traffic data needed to evaluate operation of intersections and roadway sections within the project area.
- Review existing traffic study completed in 2021 that studied the intersection and recommended NB dual left turn lanes with City staff.

Conceptual Design Services

- Have project kickoff meeting with City to discuss direction of the project.
- Review existing conceptual design of proposed roadway improvements.
- Have or help organize a public involvement meeting or stakeholder meetings about the project with surrounding property owners and/or the general public as needed.
- Use design information to develop costs estimates for project costs.
- Develop phasing plan with associated budgets for each phase in the occurrence that project will get phased due to budget constraints.
- Coordinate with NDOT now and throughout project.

Surveying Services

- Perform topographic survey required for design of this project.
- ROW and potentially permanent and temporary construction easements will be acquired for this project.
- Draft legal easement and ROW documents as needed.

ROW Appraisal Services

- ROW appraisal services may be required for the above easements / ROW.
- Aid in acquiring needed easements / ROW for project

Geotechnical Services

- Geotechnical service will be required to verify soil conditions and provide proper pavement design for traffic conditions on this roadway.

Engineering Design Services

- Have project kickoff meeting with City to discuss direction of the project as well as intermittent meetings throughout design process.
- Have or help organize a public involvement meeting about the project design or construction progress with surrounding property owners and/or the general public, as needed.
- Provide utility coordination with existing utilities in the corridor to allow for new roadway improvements
- Provide construction documents stamped and sealed by a Professional Engineer licensed in the State of Nebraska for the improvements as indicated from the conceptual design phase for roadway paving, temporary traffic control, drainage, pavement stripping, erosion control, signing and all other related improvements needed for the project. Documents shall be provided as:
 - Electronic AutoCAD Civil 3D files; Half size final prints on 11x17; Electronic PDF files
- Provide any special provisions that are not part of the Grand Island City Specifications that the engineer deems needed for this job for the City to incorporate in the bidding documents.

Construction Phase Services

Provide construction observation, construction staking, and soil and material sampling and testing in accordance with the project technical specifications and at the direction of the Project Engineer. Work includes providing personnel and equipment to:

- Take concrete samples and perform concrete testing
- Take soil samples to perform classification, moisture content, gradation, and relative compaction tests
- Take field density tests to verify appropriate compactive effort is producing the required compaction results
- Provide construction oversight to observe compliance with City of Grand Island Specifications.
- Provide necessary construction staking services in order for contractor to build project per plans.
- Submit weekly construction testing reports to the City by Monday of the following week

Project Contact: Assistant Public Works Director; Keith Kurz keithk@grand-island.com

Project Name: Project 3 – South Locust Pavement Rehabilitation/Replacement – Highway 34 - Diversion

Estimated Project Schedule:

Design/Cost Est/Bid: 2024

Construction: 2024

Project Background:

This project is for the improvement of South Locust Street from the intersection of Highway 34 to the north end of the Wood River Diversion bridge. The Public Works Department is proposing to replace the existing concrete street with new concrete curb and gutter roadway section in areas that are experiencing failure. It is anticipated that there are subgrade issues that the City is currently evaluating. Once complete, this investigation will be made available for use.

Project Scope:

Conceptual Design Services

- Have project kickoff meeting with City to discuss direction of the project.
- Use generated geotechnical study to develop conceptual design of proposed roadway improvements.
- Use design information to develop costs estimates for project costs.
- Develop phasing plan with associated budgets for each phase in the occurrence that project will get phased due to budget constraints.
- Coordinate with NDOT if improvements are recommended near Highway 34.

Surveying Services

- Perform topographic survey required for design of this project.

Geotechnical Services

- Geotechnical service may be required to verify soil conditions and provide proper pavement design for traffic conditions on this roadway.

Engineering Design Services

- Have project kickoff meeting with City to discuss direction of the project as well as intermittent meetings throughout design process.
- Provide construction documents stamped and sealed by a Professional Engineer licensed in the State of Nebraska for the improvements as indicated from the conceptual design phase for roadway paving, temporary traffic control, drainage, pavement stripping, erosion control, signing and all other related improvements needed for the project. Documents shall be provided as:
 - Electronic AutoCAD Civil 3D files; Half size final prints on 11x17; Electronic PDF files
- Provide any special provisions that are not part of the Grand Island City Specifications that the engineer deems needed for this job for the City to incorporate in the bidding documents.

Construction Phase Services

Provide construction observation, construction staking, and soil and material sampling and testing in accordance with the project technical specifications and at the direction of the Project Engineer. Work includes providing personnel and equipment to:

- Take concrete samples and perform concrete testing
- Take soil samples to perform classification, moisture content, gradation, and relative compaction tests
- Take field density tests to verify appropriate compactive effort is producing the required compaction results
- Provide construction oversight to observe compliance with City of Grand Island Specifications.
- Provide necessary construction staking services in order for contractor to build project per plans.
- Submit weekly construction testing reports to the City by Monday of the following week

Project Contact: Assistant Public Works Director; Keith Kurz keithk@grand-island.com

Project Name: Project 4 – Sanitary Sewer Rehabilitation – Various Locations

Estimated Project Schedule: Design: Late 2023 Construction: 2024

Project Background:

The sanitary sewer in several area is in need of rehab. It is assumed that open cut excavation will be the solution as existing pipe segments are in poor condition. The City is taking a proactive approach in rehabbing these areas prior to any major failures. The project locations are highlighted on the attached diagram. Effective bypass pumping plans and traffic control plans may need to be considered. The majority of these locations are currently under groundwater. Pipe condition and TV reports from recent City of Grand Island sanitary sewer crew inspections will be available for the consultant to use in aid of project design if scoped. Design plans at this point are being considered for internal work.

Project Scope:

Surveying Services

- Locate all features, utilities and contours along the proposed routes to adequately design and build proposed project.
- Temporary easements will need to be acquired for this project. Easement exhibit documents and legal descriptions for each property may be required.

ROW Appraisal Services

- Aid in acquiring needed easements / ROW for project, as needed.

Geotechnical Services

- Geotechnical service may be required to verify soil conditions and provide proper sanitary sewer bedding/trench requirements.

Engineering Design Services

- Project kickoff meeting with City to discuss direction of the project as well as intermittent meetings throughout design process.
- Assist the City in coordinating with homeowners/businesses to coordinate work and disruption to property or access.
- Provide design, restoration, traffic control, and bypass pumping plans, stamped and sealed by a Professional Engineer licensed in the State of Nebraska. Documents shall be provided as: Electronic AutoCAD Civil 3D files; Half size final prints on 11x17; Electronic PDF files.
- Provide any special provisions that are not part of the Grand Island City Specifications that the engineer deems needed for this job for the City to incorporate in the bidding documents.

Construction Phase Services

Provide construction observation, construction staking, and soil and material sampling and testing in accordance with the project technical specifications and at the direction of the Project Engineer. Work includes providing personnel and equipment to:

- Take concrete samples and perform concrete testing
- Take soil samples to perform classification, moisture content, gradation, and relative compaction tests
- Take field density tests to verify appropriate compactive effort is producing the required compaction results
- Provide construction oversight to observe compliance with City of Grand Island Specifications.
- Provide necessary construction staking services in order for contractor to build project per plans.
- Submit weekly construction testing reports to the City by Monday of the following week

Project Contact: Assistant Public Works Director; Keith Kurz keithk@grand-island.com

Project Name: Project 5 – Sanitary Sewer Rehabilitation – Various Locations

Estimated Project Schedule: Design: 2024
Construction: 2025

Project Background:

The sanitary sewer in this area is in need of rehab. See attached exhibit. Other spot locations may be added if encountered prior to bidding the project. It is assumed that CIPP will be the ideal solution as existing pipe segments are mostly within constricted areas, but other rehabilitation solutions could be considered. Manhole rehabilitation may also be completed if needed to reinforce structural integrity. The City is taking a proactive approach in rehabbing this area prior to any major failures. Additional failing pieces in the area may be looked at in order to determine the best rehabilitation method. Pipe segments are mostly 8-inch pipe. Effective bypass pumping plans and traffic control plans will need to be considered. Construction and observation may have to take place when flows are at their minimum. Services that are known to be capped or not in service will be planned to be lined over. Lateral lining is not being planned at this time. The majority of these pipes are currently out of groundwater. Open cut contingency plans may also be considered during design. Pipe condition and TV reports with NASSCO scorings from recent City of Grand Island sanitary sewer crew inspections will be available for the consultant to use in aid of project design.

Project Scope:

Engineering Design Services

- Project kickoff meeting with City to discuss direction of the project as well as intermittent meetings throughout design process.
- Assist the City in coordinating with businesses/residents to investigate status of services and disruption to service.
- Provide design, traffic control, and bypass pumping plans, stamped and sealed by a Professional Engineer licensed in the State of Nebraska. Documents shall be provided as: Electronic AutoCAD Civil 3D files; Half size final prints on 11x17; Electronic PDF files.
- Provide any special provisions that are not part of the Grand Island City Specifications that the engineer deems needed for this job for the City to incorporate in the bidding documents.
- Engineer should be familiar with NASSCO Performance Based Specifications for CIPP installations.
- Survey shots by engineering firm may be gathered if included in scope or field data may be provided by City of Grand Island.

Construction Phase Services

Provide construction observation and testing in accordance with the project technical specifications and at the direction of the Project Engineer. Work includes providing personnel and equipment to:

- Provide construction oversight to observe compliance with City of Grand Island Specifications and Special Provisions.
- Submit weekly construction testing reports to the City by Monday of the following week.
- The observer should attend a NASSCO Inspector Training and Certification Program for the Inspection of Cured in Place Pipe (CIPP) installation within three (3) months of the Notice to Proceed. Certification is preferred for the main field observer for the job.

- Firm should be able to provide qualifications for survey and materials testing should an open cut scenario be encountered.

Project Contact: Assistant Public Works Director; Keith Kurz keithk@grand-island.com

Project Name: Project 6 – Sanitary Sewer Rehabilitation – Various Locations

Estimated Project Schedule: Design: Late 2023
Construction: 2024

Project Background:

The sanitary sewer manholes in various locations are in need of rehab. See attached exhibit. Other spot locations may be added if encountered prior to bidding the project. It is assumed that manhole lining will be the ideal solution as existing manholes are such that full replacement is not required, but other rehabilitation solutions could be considered. The City is taking a proactive approach in rehabbing this area prior to any major failures. Construction and observation may have to take place when flows are at their minimum. Manhole condition reports from recent City of Grand Island sanitary sewer crew inspections will be available for the consultant to use in aid of project design.

Project Scope:

Engineering Design Services

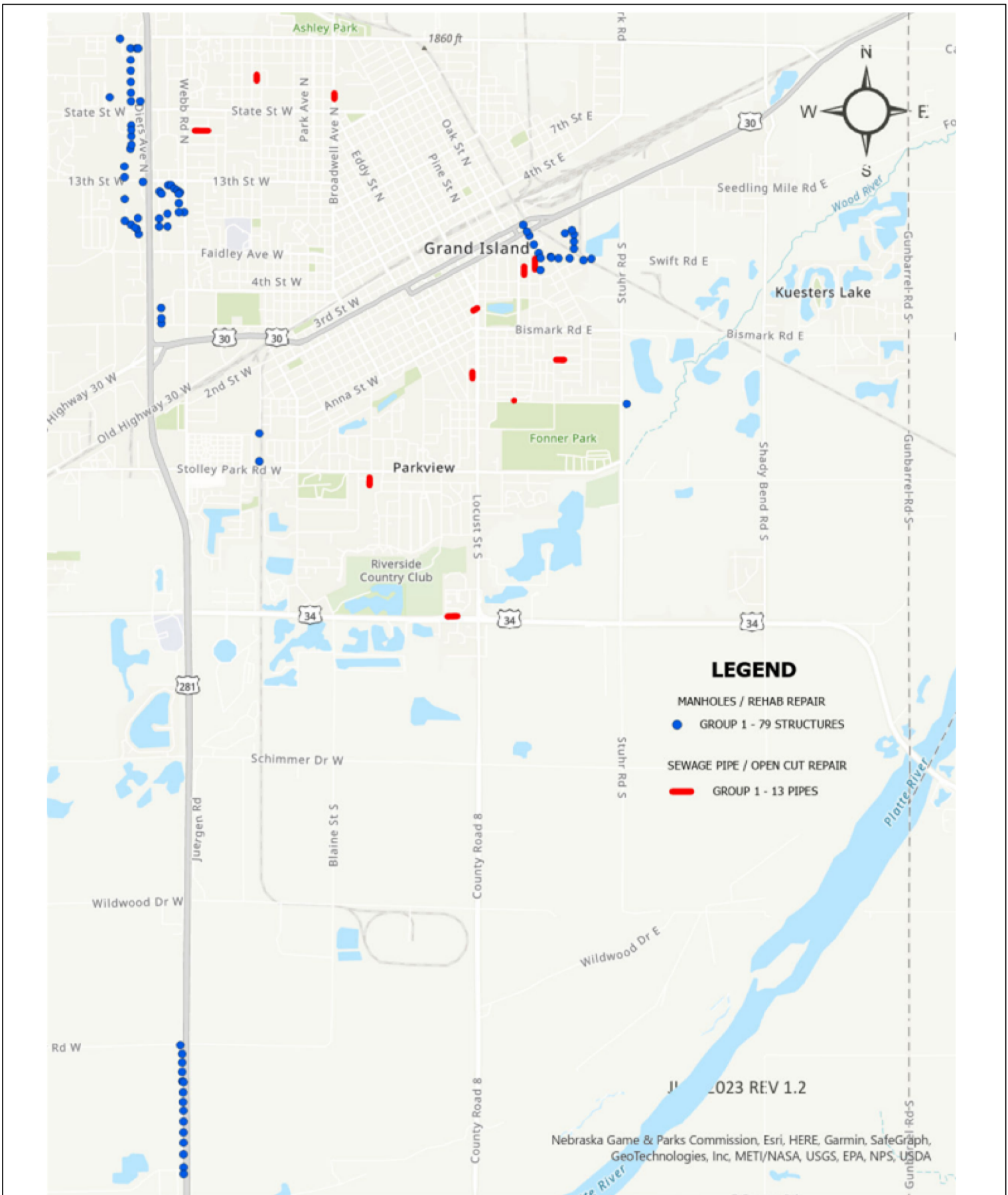
- Project kickoff meeting with City to discuss direction of the project as well as intermittent meetings throughout design process.
- Assist the City in coordinating with businesses/residents to investigate status of services and disruption to service.
- Provide design, traffic control, and bypass pumping plans, stamped and sealed by a Professional Engineer licensed in the State of Nebraska. Documents shall be provided as: Electronic AutoCAD Civil 3D files; Half size final prints on 11x17; Electronic PDF files.
- Provide any special provisions that are not part of the Grand Island City Specifications that the engineer deems needed for this job for the City to incorporate in the bidding documents.
- Survey shots by engineering firm may be gathered if included in scope or field data may be provided by City of Grand Island.

Construction Phase Services

Provide construction observation and testing in accordance with the project technical specifications and at the direction of the Project Engineer. Work includes providing personnel and equipment to:

- Provide construction oversight to observe compliance with City of Grand Island Specifications and Special Provisions.
- Submit weekly construction testing reports to the City by Monday of the following week.
- Firm should be able to provide qualifications for survey and materials testing should an open cut scenario be encountered.

Project Contact: Assistant Public Works Director; Keith Kurz keithk@grand-island.com



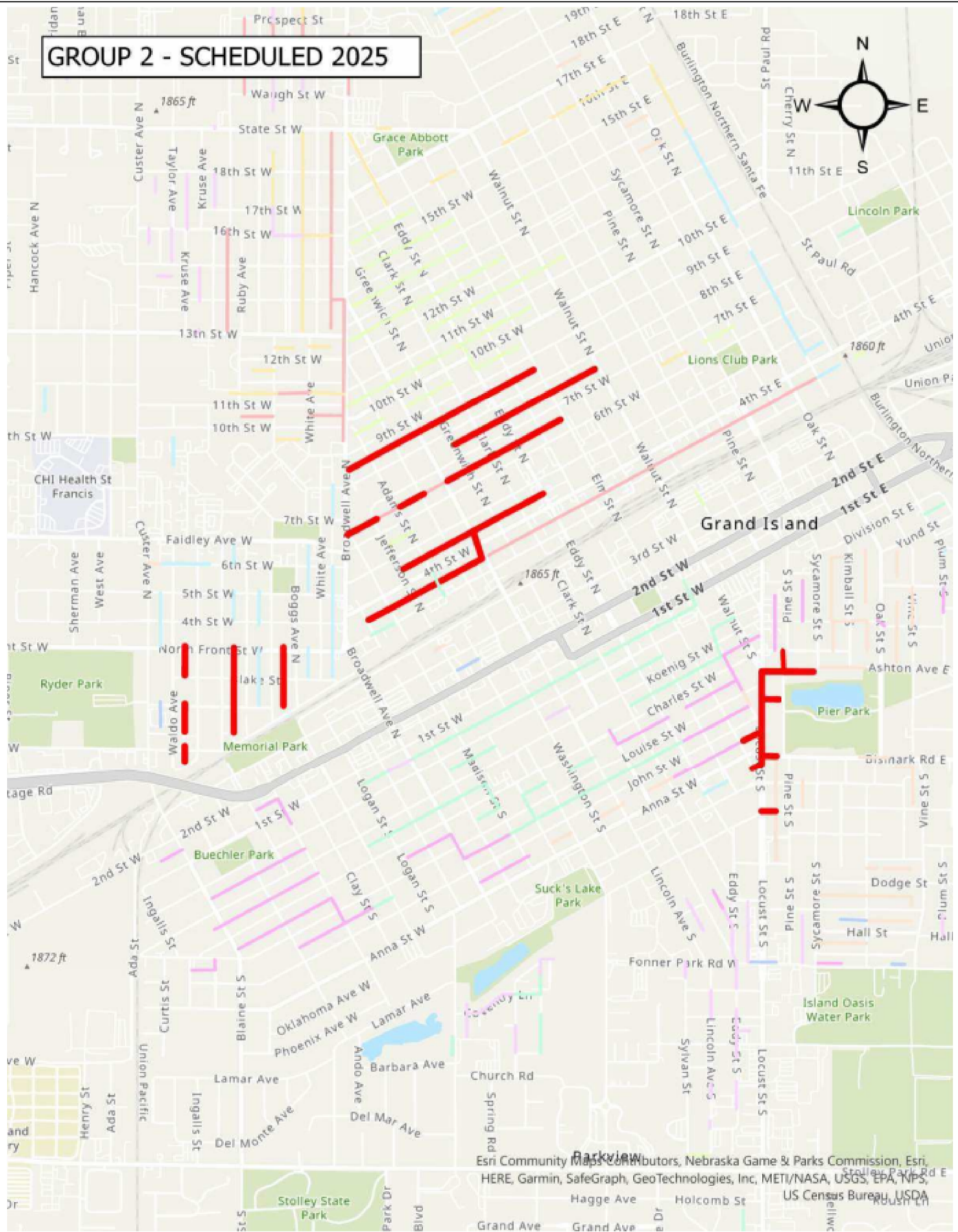
SEWAGE MANHOLE REHAB, AND PIPE REPAIRS

CAPITAL PLANNING 2024

GRAND ISLAND, NEBRASKA



GROUP 2 - SCHEDULED 2025



Esri Community Maps Contributors, Nebraska Game & Parks Commission, Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA

SEWAGE PIPE - CIPP LINING

CAPITAL PLANNING 2024
GRAND ISLAND, NEBRASKA



Cartograph ID	Pipe Material	Pipe Diameter	Pipe Length	DCI SCORE	Inspection Date	Inspection Group ID
20043	VCP - Vitrified Clay Pipe	8	355.6	28	6/29/2021	2
20045	VCP - Vitrified Clay Pipe	8	194.2	0	6/29/2021	2
20065	VCP - Vitrified Clay Pipe	8	361.6	23	6/24/2021	2
20066	VCP - Vitrified Clay Pipe	8	365.2	8	6/23/2021	2
20067	VCP - Vitrified Clay Pipe	8	353.0	8	6/23/2021	2
20158	VCP - Vitrified Clay Pipe	8	365.0	38	6/23/2021	2
20160	VCP - Vitrified Clay Pipe	8	375.5	0	6/23/2021	2
20177	VCP - Vitrified Clay Pipe	8	368.5	0	6/29/2021	2
20634	VCP - Vitrified Clay Pipe	10	114.1	5	12/1/2021	2
20636	VCP - Vitrified Clay Pipe	8	129.7	39	10/4/2021	2
21852	VCP - Vitrified Clay Pipe	8	643.9	0	6/22/2021	2
21853	VCP - Vitrified Clay Pipe	8	343.0	8	6/21/2021	2
21854	VCP - Vitrified Clay Pipe	8	21.8	18	6/21/2021	2
21855	VCP - Vitrified Clay Pipe	8	365.4	12	7/19/2021	2
21856	VCP - Vitrified Clay Pipe	8	151.9	21	7/15/2021	2
21857	VCP - Vitrified Clay Pipe	8	83.5	27	7/15/2021	2
21866	VCP - Vitrified Clay Pipe	8	292.1	4	6/14/2021	2
21867	VCP - Vitrified Clay Pipe	8	344.6	1	9/15/2008	2
21868	VCP - Vitrified Clay Pipe	8	304.2	8	4/25/2022	2
21869	VCP - Vitrified Clay Pipe	8	334.9	8	6/8/2021	2
21870	VCP - Vitrified Clay Pipe	8	352.9	14	6/8/2021	2
21872	VCP - Vitrified Clay Pipe	8	344.5	1	5/28/2008	2
21874	VCP - Vitrified Clay Pipe	8	197.2	38	6/7/2021	2
21875	VCP - Vitrified Clay Pipe	8	221.9	4	6/7/2021	2
21877	VCP - Vitrified Clay Pipe	8	293.0	4	6/14/2021	2
21882	VCP - Vitrified Clay Pipe	8	345.7	20	9/26/2019	2
21883	VCP - Vitrified Clay Pipe	8	346.4	9	6/10/2021	2
21884	VCP - Vitrified Clay Pipe	8	343.8	6	6/10/2021	2
21885	VCP - Vitrified Clay Pipe	8	296.6	4	6/10/2021	2
21886	VCP - Vitrified Clay Pipe	8	392.4	38	6/3/2021	2
21893	VCP - Vitrified Clay Pipe	8	297.6	8	6/8/2021	2
21894	VCP - Vitrified Clay Pipe	8	343.2	22	6/8/2021	2
21895	VCP - Vitrified Clay Pipe	8	345.7	5	6/27/2019	2
21896	VCP - Vitrified Clay Pipe	8	297.4	0	5/13/2019	2
21897	VCP - Vitrified Clay Pipe	8	392.5	6	5/27/2021	2
21898	VCP - Vitrified Clay Pipe	8	304.2	8	5/27/2021	2
21899	VCP - Vitrified Clay Pipe	8	335.4	4	5/26/2021	2
21900	VCP - Vitrified Clay Pipe	8	350.0	13	5/26/2021	2
21960	VCP - Vitrified Clay Pipe	8	302.6	7	6/16/2021	2
21962	VCP - Vitrified Clay Pipe	8	17.8	38	6/16/2021	2
21963	VCP - Vitrified Clay Pipe	8	266.2	18	6/15/2021	2
21964	VCP - Vitrified Clay Pipe	8	379.0	0	6/15/2021	2
21970	VCP - Vitrified Clay Pipe	8	368.1	17	6/21/2021	2
21971	VCP - Vitrified Clay Pipe	8	320.9	8	6/14/2021	2
21976	VCP - Vitrified Clay Pipe	8	408.1	13	6/21/2021	2
21978	VCP - Vitrified Clay Pipe	8	345.7	8	6/15/2021	2
22132	VCP - Vitrified Clay Pipe	8	344.0	38	10/6/2021	2
22134	VCP - Vitrified Clay Pipe	8	290.0	21	9/30/2021	2
22135	VCP - Vitrified Clay Pipe	8	384.2	5	4/18/2022	2
22136	VCP - Vitrified Clay Pipe	8	253.4	4	4/18/2022	2
22141	VCP - Vitrified Clay Pipe	8	408.8	18	10/6/2021	2
22142	VCP - Vitrified Clay Pipe	8	226.9	4	10/5/2021	2
22447	VCP - Vitrified Clay Pipe	15	189.1	9	12/1/2021	2
22449	VCP - Vitrified Clay Pipe	8	181.6	20	10/4/2021	2
22542	VCP - Vitrified Clay Pipe	8	316.5	15	12/1/2021	2
22543	VCP - Vitrified Clay Pipe	8	260.5	22	10/5/2021	2
56	DIAMETER = 8	54	16,628.3			
	DIAMETER = 10	1	114.1			
	DIAMETER = 12	0	0.0			
	DIAMETER = 15	1	189.1			
	DIAMETER = 18	0	0.0			
	DIAMETER = 21	0	0.0			
	DIAMETER = 24	0	0.0			
	DIAMETER = 36	0	0.0			
			16,931.6			

SEWAGE PIPE - CIPP LINING
CAPITAL PLANNING 2024
GRAND ISLAND, NEBRASKA



Project Name: Project 7- Wastewater Treatment Plant (WWTP) UV Disinfection Project

Estimated Project Schedule: Design: 2024 Construction: TBD

Project Background:

The current UV Disinfection System at the Grand Island Wastewater Treatment Plant (WWTP) is nearing the end of its useful life. Installed in 2005 by TrojanUV, the system has aged to the point where replacement parts such as lamps, bulbs, sleeves, etc. have become increasingly difficult to obtain. The WWTP engineering and operations staff wish to consult with an engineering partner to analyze the existing system and design a superior, modern replacement.

The new system would employ contemporary hardware, features that ease maintenance, and parts that will be readily available for the foreseeable future. Ideally, this replacement system would reuse the existing building and channel structure without need for modification, though this may not be feasible.

Project Scope:

Conceptual Design Services

- Convene a project kickoff meeting and site visit with City personnel to discuss the initial scope and schedule of the project. Additionally, hold intermittent meetings throughout design process to discuss new developments and changes to the scope.
- Investigate as-built plans and other plant info to review current conditions.
- Work with plant and engineering staff to gather any additional data that may be required.

Engineering Design Services

- Assemble a bid package for the new UV Disinfection System and solicit bids from no less than three (3) reputable vendors.
- Provide construction documents, stamped and sealed by a Professional Engineer licensed in the State of Nebraska.
 - Documents shall be provided as Electronic AutoCAD Civil 3D files; Electronic PDF files
- Provide any special provisions, deemed necessary by the engineer, that are not part of the City of Grand Island general specifications, to incorporate into the bidding documents.

Construction Phase Services

- Provide construction observation in accordance with the project technical specifications and at the direction of the Project Engineer. Work includes providing personnel and equipment to:
 - Provide construction oversight to observe compliance with project specifications.
 - Submit weekly construction progress reports to the City.

Project Contact: Assistant Public Works Director; Keith Kurz keithk@grand-island.com