

REQUEST AUTHORIZATION FOR MAYOR AND FINANCE OFFICER TO SIGN PROFESSIONAL SERVICES AGREEMENT OR AMENDMENT

Date: July 15, 2013

Project Name & Number: Southside Drive Sanitary Sewer Extension Project No. 14-2095

CIP #: 50328

Project Description: This is for the preliminary design of a sanitary trunk sewer in Southside Drive and Reservoir Road, conceptual design of sanitary sewer to eliminate the Jolly Lane Lift Station and provide a relief sewer to the 42" trunk sewer on Highway 44 and modeling of the upstream basins to aid in master planning of the area.

Consultant: HDR Engineering, Inc.

Original Contract Amount: \$483,809

Original Contract Date: 7/16/2013

Original Completion Date: 3/31/2014

Addendum No:

Amendment Description:


Current Contract Amount: _____
Change Requested: _____
New Contract Amount: _____ \$0.00

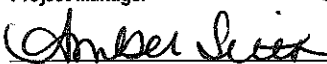
Current Completion Date: _____
New Completion Date: _____

Funding Source This Request:


Amount	Dept.	Line Item	Fund	Comments
\$483,809.00	831	4223	604	
\$483,809.00	Total			

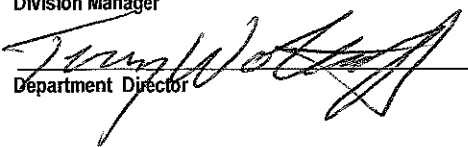
Agreement Review & Approvals

 _____ 7/2/13
 Project Manager Date

 _____ 7/2/13
 Compliance Specialist Date

 City Attorney Date

 _____ 7-2-13
 Division Manager Date

 _____ 7-2-13
 Department Director Date

ROUTING INSTRUCTIONS

Route **two** originals of the **Agreement** for review and signatures.
 Finance Office - Retain one original
 Project Manager - Retain second original for delivery to Consultant
 cc: Public Works
 Engineering
 Project Manager

FINANCE OFFICE USE ONLY

(Note to Finance: Please write date of Agreement in appropriate space in the Agreement document)

Date	Initials	Approved	
7/3/13	JD	(Y)	N
Appropriation			
Cash Flow		Y	N

**Agreement Between City of Rapid City and HDR ENGINEERING, INC for Design
and Bidding Professional Services for Southside Drive Sanitary Sewer Extension,
Project No. 14-2095 / CIP No. 50328**

AGREEMENT made July 16, 2013, between the City of Rapid City, SD (City) and HDR Engineering, Inc., (Engineer), located at 3820 Jackson Blvd, Suite 1, Rapid City, SD 57702. City intends to obtain services for design and bidding for Southside Drive Sanitary Sewer Extension, Project No. 14-2095 CIP No. 50328. The scope of services is as described within this document and as further described in Exhibits A, B and C (attached).

The City and the Engineer agree as follows:

The Engineer shall provide professional engineering services for the City in all phases of the Project and as further defined in Exhibits A, B and C (attached), serve as the City's professional engineering representative for the Project, and give professional engineering consultation and advice to the City while performing its services.

Section 1—Basic Services of Engineer

1.1 General

- 1.1.1 The Engineer shall perform professional services described in this agreement, which include customary engineering services. Engineer intends to serve as the City's professional representative for those services as defined in this agreement and to provide advice and consultation to the City as a professional. Any opinions of probable project cost, approvals, and other decisions provided by Engineer for the City are rendered on the basis of experience and qualifications and represent Engineer's professional judgment.
- 1.1.2 All work shall be performed by or under the direct supervision of a professional Engineer licensed to practice in South Dakota.
- 1.1.3 All documents including Drawings and Specifications provided or furnished by Engineer pursuant to this Agreement are instruments of service in respect of the Project and Engineer shall retain an ownership therein. Reuse of any documents pertaining to this project by the City on extensions of this project or on any other project shall be at the City's risk. The City agrees to defend, indemnify, and hold harmless Engineer from all claims, damages, and expenses including attorney's fees arising out of such reuse of the documents by the City or by others acting through the City.
- 1.1.4 The contract will be based on an hourly rate and reimbursable fee schedule with a maximum not-to-exceed amount.



1.2 Scope of Work

The Engineer shall:

- 1.2.1 Consult with the City, other agencies, groups, consultants, and/or individuals to clarify and define requirements for the Project and review available data.
- 1.2.2 Perform the tasks described in the Scope of Services. (See Exhibit A.)
- 1.2.3 Conduct a location survey of the Project to the extent deemed necessary to provide adequate site information.
- 1.2.4 Prepare a report presenting the results of the study as outlined in the scope of services.

Section 2—Information Provided by City

The City will provide any information in its possession for the project at no cost to the Engineer.

Section 3—Notice to Proceed

The City will issue a written notification to the Engineer to proceed with the work. The Engineer shall not start work prior to receipt of the written notice. The Engineer shall not be paid for any work performed prior to receiving the Notice to Proceed.

Section 4—Mutual Covenants

4.1 General

- 4.1.1 The Engineer shall not sublet or assign any part of the work under this Agreement without written authority from the City.
- 4.1.2 The City and the Engineer each binds itself and partners, successors, executors, administrators, assigns, and legal representatives to the other party to this agreement and to the partners, successors, executors, administrators, assigns, and legal representatives of such other party, regarding all covenants, agreements, and obligations of this agreement.
- 4.1.3 Nothing in this agreement shall give any rights or benefits to anyone other than the City and the Engineer.
- 4.1.4 This agreement constitutes the entire agreement between the City and the 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.

- 4.1.5 The Engineer shall make such revisions in plans which may already have been completed, approved, and accepted by the City, as are necessary to correct Engineer's errors or omissions in the plans, when requested to do so by the City, without extra compensation therefore.
- 4.1.6 If the City requests that previously satisfactorily completed and accepted plans or parts thereof be revised, the Engineer shall make the revisions requested by the City. This work shall be paid for as extra work.
- 4.1.7 If the City changes the location from the one furnished to the Engineer, or changes the basic design requiring a new survey for the portions so changed, the redesign will be paid for as extra work.
- 4.1.8 The City may at any time by written order make changes within the general scope of this Agreement in the work and services to be performed by the Engineer. Any changes which materially increase or reduce the cost of or the time required for the performance of the Agreement shall be deemed a change in the scope of work for which an adjustment shall be made in the Agreement price or of the time for performance, or both, and the Agreement shall be modified in writing accordingly. Additional work necessary due to the extension of project limits shall be paid for as extra work.
- 4.1.9 Extra work, as authorized by the City, will be paid for separately and be in addition to the consideration of this Section.
- 4.1.10 For those projects involving conceptual or process development services, activities often cannot be fully defined during the initial planning. As the project does progress, facts and conditions uncovered may reveal a change in direction that may alter the scope of services. Engineer will promptly inform the City in writing of such situations so that changes in this agreement can be renegotiated.
- 4.1.11 This Agreement may be terminated (a) by the City with or without cause upon seven days' written notice to the Engineer and (b) by the Engineer for cause upon seven days' written notice to the City. If the City terminates the agreement without cause, the Engineer will be paid for all services rendered and all reimbursable expenses incurred prior to the date of termination.

If termination is due to the failure of the Engineer to fulfill its agreement obligations, the City may take over the work and complete it. In such



case, the Engineer shall be liable to the City for any additional cost to the extent directly resulting from Engineer's action.

- 4.1.12 The City or its duly authorized representatives may examine any books, documents, papers, and records of the Engineer involving transactions related to this agreement for three years after final payment. All examinations will be performed at reasonable times, with proper notice. Engineer's documentation will be in a format consistent with general accounting procedures.
- 4.1.13 The City shall designate a representative authorized to act on the City's behalf with respect to the Project. The City or such authorized representative shall render decisions in a timely manner pertaining to documents submitted by the Engineer in order to avoid unreasonable delay in the orderly and sequential progress of the Engineer's services.
- 4.1.14 Costs and schedule commitments shall be subject to renegotiation for delays caused by the City's failure to provide specified facilities or information or for delays caused by other parties, excluding sub-contractors and sub-consultants, unpredictable occurrences including without limitation, fires, floods, riots, strikes, unavailability of labor or materials, delays or defaults by suppliers of materials or services, process shutdowns, acts of God, or the public enemy, or acts of regulations of any governmental agency or any other conditions or circumstances beyond the control of the City or Engineer. Temporary delays of services caused by any of the above which results in additional costs beyond those outlined may require renegotiation of this agreement.
- 4.1.15 The City will give prompt written notice to the Engineer if the City becomes aware of any fault or defect in the Project or nonconformance with the Project Documents.
- 4.1.16 Unless otherwise provided in this Agreement, the Engineer and the Engineer's consultants shall have no responsibility for the discovery, presence, handling, removal or disposal of, or exposure of persons to hazardous materials in any form at the project site, including but not limited to asbestos products, polychlorinated biphenyl (PCB), or other toxic substances.
- 4.1.17 In the event asbestos or toxic materials are encountered at the jobsite, or should it become known in any way that such materials may be present at the jobsite or any adjacent areas that may affect the performance of Engineer's services, Engineer may, at their option and without liability for consequential or any other damages, suspend performance of services on the project until the City retains appropriate



specialist CONSULTANT(S) or contractor(s) to identify, abate, and/or remove the asbestos or hazardous or toxic materials.

4.1.18 This agreement, unless explicitly indicated in writing, shall not be construed as giving Engineer the responsibility or authority to direct or supervise construction means, methods, techniques, sequences, or procedures of construction selected by any contractors or subcontractors or the safety precautions and programs incident to the work of any contractors or subcontractors.

4.1.19 Neither the City nor the Engineer, nor its Consultants, shall hold the other liable for any claim based upon, arising out of, or in any way involving the discharge, dispersal, release or escape of smoke, vapors, soot, fumes, acids, alkalis, toxic chemicals, liquids, or gases, waste materials, or other irritants, contaminants, or pollutants.

4.1.20 Neither the City nor the Engineer, nor its Consultants, shall hold the other liable for any claim based upon, arising out of, or any way involving the specification or recommendation of asbestos, in any form, or any claims based upon use of a product containing asbestos.

4.1.21 Engineer hereby represents and warrants that it does not fail or refuse to collect or remit South Dakota or City sales or use tax for transactions which are taxable under the laws of the State of South Dakota.

4.2 **City of Rapid City NonDiscrimination Policy Statement**

In compliance with Title VI of the Civil Rights Act of 1964, Section 504 of the Rehabilitation Act of 1973, the Age Discrimination act of 1975, the Americans with Disabilities Act of 1990, and other nondiscrimination authorities it is the policy of the City of Rapid City, 300 Sixth Street, Rapid City, SD 57701-5035, to provide benefits, services, and employment to all persons without regard to race, color, national origin, sex, disabilities/handicaps, age, or income status. No distinction is made among any persons in eligibility for the reception of benefits and services provided by or through the auspices of the City of Rapid City.

Engineer will permit access to any and all records pertaining to hiring and employment and to other pertinent data and records for the purpose of enabling the Commission, its agencies or representatives, to ascertain compliance with the above provisions.

This section shall be binding on all subcontractors or suppliers.



Section 5—Payments to the Engineer

5.1 Schedule of Pay Rates

The City will pay the Engineer for services rendered or authorized extra work according to the Engineer's hourly and reimbursable rate schedule described in Exhibit C.

5.2 Fee

The maximum amount of the fee for the services as detailed in Section 1.2 shall not exceed \$483,809.00 unless the scope of the project is changed as outlined in Section 4. If expenses exceed the maximum amount, the Engineer shall complete the design as agreed upon here without any additional compensation. Sub task dollar amounts may be reallocated to other tasks as long as the total fee is not exceeded. Prime consultant may not mark up sub-consultant or sub-contractor services.

5.3 Progress Payments

Monthly progress payments shall be processed by the City upon receipt of the claim as computed by the Engineer based on work completed during the month per the hourly rates and allowable reimbursable as established in Section 5.1 and approved by the City.

Net payment to the Engineer shall be due within forty-five (45) days of receipt by the City.

Section 6—Completion of Services

The Engineer shall complete services on or before March 31, 2014 based on an award date of July 16, 2013.

Section 7—Insurance Requirements

7.1 Insurance Required

The Engineer shall secure the insurance specified below. The insurance shall be issued by insurance company(s) acceptable to the City and may be in a policy or policies of insurance, primary or excess. Certificates of all required insurance including any policy endorsements shall be provided to the City prior to or upon the execution of this Agreement.



7.2 Cancellation

The Engineer will provide the City with at least 30 days' written notice of an insurer's intent to cancel or not renew any of the insurance coverage. The Contractor agrees to hold the City harmless from any liability, including additional premium due because of the Contractor's failure to maintain the coverage limits required.

7.3 City Acceptance of Proof

The City's approval or acceptance of certificates of insurance does not constitute City assumption of responsibility for the validity of any insurance policies nor does the City represent that the coverages and limits described in this agreement are adequate to protect the Engineer, its consultants or subcontractors interests, and assumes no liability therefore. The Engineer will hold the City harmless from any liability, including additional premium due, because of the Engineer's failure to maintain the coverage limits required.

7.4 Specific Requirements

- 7.4.1 Workers' compensation insurance with statutory limits required by South Dakota law. Coverage B-Employer's Liability coverage of not less than \$500,000 each accident, \$500,000 disease-policy limit, and \$500,000 disease-each employee.
- 7.4.2 Commercial general liability insurance providing occurrence form contractual, personal injury, bodily injury and property damage liability coverage with limits of not less than \$1,000,000 per occurrence, \$2,000,000 general aggregate, and \$2,000,000 aggregate products and completed operations. If the occurrence form is not available, claims-made coverage shall be maintained for three years after completion of the terms of this agreement. The policy shall name the City and its representatives as an additional insured.
- 7.4.3 Automobile liability insurance covering all owned, nonowned, and hired automobiles, trucks, and trailers. The coverage shall be at least as broad as that found in the standard comprehensive automobile liability policy with limits of not less than \$1,000,000 combined single limit each occurrence. The required limit may include excess liability (umbrella) coverage.
- 7.4.4 Professional liability insurance providing claims-made coverage for claims arising from the negligent acts, errors or omissions of the Engineer or its consultants, of not less than \$1,000,000 each occurrence and not less than \$1,000,000 annual aggregate. Coverage



shall be maintained for at least three years after final completion of the services.

Section 8—Hold Harmless

The Engineer hereby agrees to hold the City harmless from any and all claims or liability including attorneys' fees arising out of the professional services furnished under this Agreement, and for bodily injury or property damage arising out of services furnished under this Agreement, providing that such claims or liability are the result of a negligent act, error or omission of the Engineer and/or its employees/agents arising out of the professional services described in the Agreement.

Section 9—Independent Business

The parties agree that the Engineer operates an independent business and is contracting to do work according to his own methods, without being subject to the control of the City, except as to the product or the result of the work. The relationship between the City and the Engineer shall be that as between an independent contractor and the City and not as an employer-employee relationship. The payment to the Engineer is inclusive of any use, excise, income or any other tax arising out of this agreement.

Section 10-Indemnification

If this project involves construction and Engineer does not provide consulting services during construction including, but not limited to, onsite monitoring, site visits, site observation, shop drawing review and/or design clarifications, City agrees to indemnify and hold harmless Engineer from any liability arising from the construction activities undertaken for this project, except to the extent such liability is caused by Engineer's negligence.

Section 11-Controlling Law and Venue

This Agreement shall be subject to, interpreted and enforced according to the laws of the State of South Dakota, without regard to any conflicts of law provisions. Parties agree to submit to the exclusive venue and jurisdiction of the State of South Dakota, 7th Judicial Circuit, Pennington County.

Section 12-Severability

Any unenforceable provision herein shall be amended to the extent necessary to make it enforceable; if not possible, it shall be deleted and all other provisions shall remain in full force and effect.



Section 13—Funds Appropriation

If funds are not budgeted or appropriated for any fiscal year for services provided by the terms of this agreement, this agreement shall impose no obligation on the City for payment. This agreement is null and void except as to annual payments herein agreed upon for which funds have been budgeted or appropriated, and no right of action or damage shall accrue to the benefit of the Engineer, its successors or assignees, for any further payments. For future phases of this or any project, project components not identified within this contract shall not constitute an obligation by the City until funding for that component has been appropriated.

IN WITNESS WHEREOF, the parties hereto have made and executed this Agreement as of the day and year first above written.

City of Rapid City:

Engineer:

MAYOR

HDR Engineering, Inc.

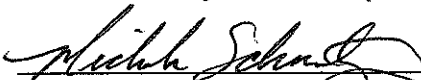
DATE: _____

DATE: _____

ATTEST:

FINANCE OFFICER

Reviewed By:



Michelle Schweitzer, PROJECT MANAGER

DATE: 7/1/13

CITY'S DESIGNATED PROJECT
REPRESENTATIVE

ENGINEERING FIRM'S DESIGNATED
PROJECT REPRESENTATIVE

NAME Michelle Schweitzer
PHONE 605-394-4154
EMAIL michelle.schweitzer@rcgov.org

NAME Jody Page
PHONE 605-791-6100
EMAIL Jody.Page@hdrinc.com



Project Background

The southeast area of Rapid City has experienced a significant amount of growth recently. In order to keep up with the demands of the development in the area, the Jolly Lane Lift Station needs to be replaced with a large capacity gravity trunk sewer. Additionally, a diversion of sewer flows to the 42" trunk sewer on Highway 44 would allow development in the northeast area of Rapid City to continue. Multiple phases of construction are expected for the completion of this project including design and construction to complete a new trunk sewer extension in South Side Drive west of the Water Reclamation Facility and then north on Reservoir Road. Another phase will extend the trunk sewer to the Jolly Lane Lift Station and the final phase will complete the trunk sewer extension to the existing 27" trunk sewer near Highway 44.

HDR Engineering was selected by the City of Rapid City to complete design services for the sanitary sewer extension project on the southeast side of Rapid City. Conceptual design for the sanitary trunk sewer from Reservoir Road to the Jolly Lane Lift Station and from the lift station to the existing 27" trunk sewer near Highway 44 is also part of this project as well as reviewing the Sanitary Sewer Master Plan for the south side of the city and reviewing specifications such as material specifications and cost sharing policies. The purpose of the conceptual design from Reservoir Road the Highway 44 is to establish flow line elevations for the trunk sewer and coordinate the alignment with Dream Design International Inc. The City plans to maximize the flows into this new trunk sewer by diverting as much flow from the 42" Highway 44 trunk sewer as possible. The final design plans for the portion of the trunk sewer from Reservoir Road to Highway 44 through private property will be done by Dream Design International.

HDR Engineering will complete all aspects of the design with the support of Terracon Consultants, Inc (Terracon) for geotechnical borings and soil information. Professional services have been divided into five Tasks: Preliminary Design, Final Design, and Bidding Services included in this contract, with Basic Construction and Expanded Construction Services to be negotiated prior to construction as a separate contract.

Project Design Scope of Services

TASK 1 – PRELIMINARY DESIGN SERVICES

This task consists of all services necessary to take the project from initiation through the Preliminary Design Submittal stage and shall include the following itemized services.

- 1.1 Project Initiation and Data Gathering: HDR project initiation includes the tasks of setting up the contract documents, planning the project activities, and communicating task responsibilities with the project team. HDR will review available background information and other resources as necessary. GIS and existing utility information required for the Project will be provided by the City.
- 1.2 Project Kick-off Conference: HDR shall meet with City staff to detail project concept and scope.

- 1.3 Project Coordination Meetings: Meet with project stakeholders regarding their input into the project design details and associated agreements. HDR shall arrange and conduct meetings, prepare an agenda, take minutes, and distribute minutes. A total of seven (7) meetings are anticipated for this task but the actual amount will vary (more or less) depending on the coordination required.
- Rapid Valley Sanitary District
 - Proposed Development Property Owner's and their design consultants (3)
 - Pennington County Highway Department
 - Green Valley Sanitary District
 - Rapid City Community Planning and Development
- 1.4 City Coordination Workshops: Meet with City engineering staff for updates on project progress, discuss findings, and review recommendations generated by the project. A total of three (3) meetings are anticipated for this task which may be held in conjunction with project progress and submittal review meetings.
- 1.5 Desktop Wetland Determination and Pre-Application Meeting: Complete a desktop review of available information such as aeriels, National Wetland Inventory (NWI), soils, and National Hydrology Dataset (NHD) to determine wetland areas for preliminary design. A pre-application meeting will be held with USACE and HDR to discuss the components of the 404 permit application. The pre-application meeting will be held to determine if any additional requirements for the application are needed in order to streamline the process. The pre-application meeting will be held by video conference or conference call.
- 1.6 Conceptual Design Submittal: The Conceptual Design Submittal will be comprised of multiple sections that may be submitted separately in order to meet the project schedule and shall generally consist of the following documents:
- Technical Memo #1 – South Side Drive Sewer Extension. This Technical Memorandum will focus on the following key elements. This memorandum shall be the design basis for the South Side Drive Sewer project to be carried forward into Task 2 and constructed in 2014.
 - The design of a sanitary trunk sewer in South Side Drive and Reservoir Road. It is anticipated the majority of this sewer main will be constructed in South Side Drive and Reservoir Road; however, HDR will perform a review of alternate alignments and evaluate profiles to determine slopes and required pipe diameters. The pipe size is anticipated to be 27" or larger to be determined based on projected flows, sub-basin connection points, and diversion of flows from the existing 27" trunk sewer.
 - Analyze alignment alternatives for the trunk sewer extending west from Reservoir Road to the termination point at the existing 27" sewer. The analysis will take into consideration:
 - The alignment that best meets technical challenges.
 - The number of parcels involves (number of easements required).
 - Lift station abandonment. The City plans to abandon the Jolly Lane lift station. Rapid Valley Sanitary District also operates a lift station in a

nearby unincorporated development. Abandonment of both lift stations will be pursued as a project goal.

- The design will take into consideration a connection point for the planned developments to the west of Reservoir Road (final designed by others) with a recommended connection point.
- The design will review the existing and future sewer alignments for East Minnesota Street. The evaluation will determine if an additional sewer segment is needed for conveying wastewater to the proposed trunk in Reservoir Road. The wastewater currently flows to the Jolly Lane lift station.
- Conceptual sewer alignments and profiles shall be developed off of City aerial photographs, existing 2' contour maps, and GIS property information.

This technical memo will also include conceptual level drawings as follows:

- Cover Sheet
 - Anticipated traffic control phasing and erosion control measures
 - Property Layout and Land Ownership (GIS based)
 - Plan and Profile Sheets (GIS and aerial photograph based)
- Technical Memo #2 – South Side Sanitary Sewer Master Plan. This Technical Memorandum will focus on the following key elements.
 - The City's existing collection system hydraulic model will be utilized to plan future trunk sewer requirements. The existing model was developed during the Utility System Master Plan completed in 2008. Since that time several sewer infrastructure projects have been completed but not updated in the hydraulic model. HDR will review the condition of the model, update the model to reflect recent infrastructure projects, and utilize the model for hydraulic analysis of the existing conditions and proposed improvements. City shall provide accurate as-built drawings and GIS information for all sections of the model in the south side area that require updating and any supporting documentation or assumptions used to create the model.
 - The City's model was created using Innovyze (formerly MWH Soft) InfoSewer. HDR currently owns a license for this software package allowing for direct use of the existing model files. HDR's modeling efforts assume the existing model runs accurately and it is comprehensive up to when it was submitted in 2008.
 - HDR will coordinate with City Utility Maintenance staff to obtain flow measurements at key locations to verify/calibrate the sewer model.
 - HDR will complete sanitary sewer system analysis and modeling for an extended project area including existing and future connections and development on the south side of the community. The hydraulic model project area will include portions of the Rapid Creek and Spring Creek watersheds.
 - The Rapid Creek watershed evaluation will include:
 - The Dry Creek and Old Folsom Road basins, which are located in the south-southeast area of the City. Development is occurring in these areas and is anticipated to continue.
 - The evaluation of a potential relief lift station on Sheridan Lake Road. The existing Sheridan Lake Road gravity sewer will

- experience capacity constraints and a relief lift station is shown in the current utility master plan to divert flows through the southeast corridor.
- Development along the Highway 16 and Highway 79 corridors is anticipated to continue. The evaluation will include impacts of this development, in particular analysis of existing downstream infrastructure that may become stressed by this development. City staff has identified segments of the existing sewer that will likely require relief. The proposed South Side trunk sewer will take into account any necessary relief flows from these areas.
 - The Spring Creek watershed evaluation will include:
 - Potential annexation of land along the Highway 16 corridor. The previous *Conceptual Water and Sanitary Sewer System* completed for the Highway 16 neighborhood area identified a separate Spring Creek trunk sewer and treatment facility. This approach is no longer desired and the evaluation will include pumping wastewater into the Rapid Creek watershed and trunk sewer system for treatment at the existing facility.
 - Future sewer basin development will be evaluated to determine the impacts to the existing systems including locations of lift station discharge and Catron Boulevard sewer capacity.
 - Reviewing existing septic systems within the basin to determine what additional flows would be added when those areas are connected to the collection system.
 - Reviewing the current Utility System Master Plan for previous criteria used to develop future wastewater flows. Adjustments to the planning process will be made to provide design flows based on a 75 year design life.
 - HDR will provide an analysis and recommendations for alignments and flow capacities for future flows down to 10" diameter interceptors within the south side system. This approach will establish the core collection system; local sewers will be designed and installed as development occurs.
 - HDR will provide an analysis and recommendation for equipment, methods, and locations for flow monitoring locations within the south side system. The plan will use flow data to establish "trigger points" within the system for flow thresholds when the City should consider further improvements. Options for communication with the Water Reclamation Facility and Utility Maintenance will be included.
 - HDR will provide an analysis and recommendation for methods and locations of how best to accomplish odor control within the new trunk sewer. The analysis will be conceptual in nature and final design of odor control facilities can be added as a project amendment if desired.
 - HDR will investigate options to protect the system from hydrogen sulfide corrosion including venting similar to the existing 42 inch trunk sewer and other potential options such as using corrosion resistant materials and chemical addition.

- Technical Memo #3 – Jolly Lane Lift Station Removal. This Technical Memorandum will analyze and develop a proposed plan for removal and demolition of the Jolly Lane Lift Station.

This technical memo will also include conceptual level drawings to provide the basis of design if developed by others. HDR has also included an alternate scope item to complete those final design drawings as part of this contract.

Conceptual Drawings

- Cover Sheet
 - Anticipated traffic control phasing and erosion control measures
 - Property Layout and Land Ownership
 - Removals Sheet
 - Plan and Profile Sheets for new sewer placement
 - Anticipated Rapid City Standard Details
 - Special Details - Conceptual layouts for special/critical elements
- Technical Memo #4 – Highway 44 Sanitary Sewer Diversion. This Technical Memorandum will focus on the following key elements.
 - HDR will develop a preliminary design for a flow diversion structure at the existing 27" trunk sewer upstream of the 42" interceptor along Highway 44. The structure will need to allow for frequent flow adjustments and access by maintenance crews.
 - HDR will investigate how other large municipalities construct flow diversion structures and use this information to evaluate those systems and provide a recommendation on how the diversion structure should be constructed.
 - The conceptual design will evaluate both manual and automated diversion structure capable of adjustment of flow control gates to maintain a desired level of bypass flow.
 - Flow monitoring, automatic modulating gates, a control system (PLC), and an outline of the required logic will be included in the conceptual design. Coordination with private utilities for power and communication lines is not included. Incorporation of the PLC into the City's SCADA system is also not included in this task.

This technical memo will also include conceptual level drawings to provide the basis of design if developed by others. HDR is available to provide an additional scope and fee to complete those final design drawings if requested.

Conceptual Drawings

- Cover Sheet
- Property Layout and Land Ownership (GIS based)
- Plan and Profile Sheets
- Anticipated Rapid City Standard Details
- Special Details - Conceptual layouts for special/critical elements

- Technical Memo #5 – South Side Drive Sewer Material Evaluation. This Technical Memorandum will review the City Specifications for large diameter sanitary sewer materials and provide a material investigation report. Report anticipates to consider RCP, PVC and Hobas as potential trunk sewer materials and evaluate manhole types and lining materials.
- Technical Memo #6 – South Side Drive and Reservoir Road Roadway Design. This Technical Memorandum will focus on the following key elements.
 - HDR shall review the existing rural sections of South Side Drive and Reservoir Road and future arterial sections to determine typical sections with the most efficient placement of sanitary sewer alignments.
 - HDR will design the pavement replacement section above the sanitary sewer main where applicable. It is anticipated the road will be replaced in kind in the areas disturbed by the sewer project. Coordination with Pennington County will verify the pavement design and permitting of the project within right of way.
 - The recommend pavement design shall be based on a life cycle cost analysis, preliminary horizontal and vertical alignments for utilities, roadways, project phasing and limits, and other public improvements.
 - The project's geotechnical report may be included if determined after coordination with Pennington County Highway that would include soil classifications, N values, water levels, proctors, CBR's, resistivity tests, pavement design, and testing recommendations.
- Technical Memo #7 – Rapid City Water and Sewer Cost Sharing Evaluation. This Technical Memorandum will focus on a full review of the City of Rapid City's cost sharing policies for both water and sanitary sewer infrastructure. Review will include consideration for recent changes in South Dakota law and how those changes impact Rapid City policies and options for cost recovery. HDR will provide recommendations for changes and updates to the existing policies and how that would impact past, current, and future developments in this technical memorandum.

Upon review and approval of the recommended cost sharing policy changes, HDR will develop updated Draft City Cost Sharing policy documents in the provided templates and assist City in processing those documents to council approval.

HDR will assist the City by preparing exhibits for cost recovery of the properties impacted by the South Side Drive Sewer extension project including the benefiting areas of the basins evaluated. A total of four (4) exhibits are anticipated to cover the area for this task for the South Side Drive Sewer project and the adjacent development project with the level of effort based on the existing City cost sharing policy. If the cost sharing process is altered as a result of Technical Memo #7, then HDR would be open to discuss an amendment to adjust the level of effort required to comply with the revised policy, either independently or with City staff assistance.

- 1.7 Attend submittal review meetings and monthly progress review meetings with City staff as necessary. A total of six (6) meetings are anticipated for this task which may be held in conjunction with the city coordination workshops.
- 1.8 Attend Public Works and City Council Meetings as necessary. A total of two (2) meetings are anticipated for this task with summary presentations on the project by HDR with support from city staff.
- 1.9 HDR QC requirements will include a detailed internal review of the report documents including a thorough check for errors and omissions, review of content, clarity, and project scope requirements.

TASK 1 SUBMITTALS:

- Project Kick-Off Meeting Minutes
- Conceptual Design Report
 - Provide three (3) copies and a PDF of each section of the Conceptual Design Report.
 - Technical Memo # 1
 - Technical Memo # 2
 - Technical Memo # 3
 - Technical Memo # 4
 - Technical Memo # 5
 - Technical Memo # 6
 - Technical Memo # 7
- Preliminary Cost Estimate
- Preliminary City Review Comment Responses
- Project Coordination Meeting Minutes

TASK 1 MEETINGS:

- Project Kick-Off Meeting
- Project Coordination Meetings (7)
- City Coordination Workshops (3)
- Submittal Review & Progress Meetings (6)
- Rapid City Committee and City Council Meetings (2)

TASK 2A – FINAL DESIGN SERVICES

This task consists of all services necessary to take project from Task 1 Preliminary Design Services through the Final Design Services, and shall include the following itemized services.

- 2A.1 Address City comments from the Task 1 City review(s) and finalize Technical Memorandum #1 into the Project Design Report. The final Project Design Report shall be submitted when HDR believes the plans, specifications, contract documents, and opinion of probable construction cost are 100% complete.
- 2A.2 HDR shall complete site surveys sufficient for design plan preparation of the identified project area once the preferred sewer alignment has been selected. The route and

topography survey shall be tied to at least two City of Rapid City Monument Control system monuments utilizing State Plane coordinates.

- 2A.3 HDR shall arrange recommend location and extent of geotechnical services investigations necessary to complete design once the preferred sewer alignment has been selected. Terracon Consultants, Inc will be a sub consultant for geotechnical services on the project and HDR will be responsible for all associated coordination and payments.
- 2A.4 HDR shall arrange and conduct a public open house with affected residents. The open house shall be held sufficiently ahead of the project advertisement for bids such that public comments and concerns may still be addressed within the final project documents. Notice of the open house shall be mailed to all property owners adjacent to the proposed work area(s), as well as those in the immediate area who may be directly impacted by the construction, as determined by the City. HDR shall tabulate the public comments and concerns and provide written recommendations for staff review regarding possible inclusion or exclusion of such requests.
- 2A.5 HDR shall develop and distribute a survey questionnaire to property owners adjacent to proposed construction areas approximately four months or more ahead of soliciting bids for construction. The questionnaire should be developed to obtain information on site-specific concerns such as landscaping or irrigation systems, service line locations, special needs such as access considerations during construction, or history of utility or infrastructure problems at the property. Questionnaires will be returned to and evaluated by HDR who will follow up with appropriate individual contact with property owners prior to completion of 100% plans and contract documents to review project considerations that may be addressed or mitigated by the project work.
- 2A.6 HDR shall assist the City with easement(s) acquisition by obtaining property owner contact information, prepare easement and ROW exhibits as necessary, provide copies of current deeds of properties where easements are needed, arrange and conduct property owner meetings for easement and ROW acquisition, and document acquisition meetings. A total of 24 sets of easement documents with a combined two days worth of meetings totaling approximately 6 hours per easement has been estimated for this task for the project segments along Reservoir Road and South Side Drive.
- 2A.7 Approval from City Council will be required to serve property outside the City and HDR will assist the City with exhibits and documentation for City Council Meetings as necessary. HDR shall assist the City with sewer connection agreements by obtaining property owner contact information, prepare service connection exhibits as necessary, and provide copies of city connection agreement forms where connections are needed. HDR shall coordinate with city staff and property owners within the project limits to determine if service lines will be constructed, and include the service lines in the construction plans. A total of 4 various meetings has been estimated for assisting city staff with this task.
- 2A.8 Environmental Permitting. The permitting anticipated to be required for this project includes a 404 Permit Application. The project area assumed to be included in the permit application includes only the locations impacted by the final design portion of 2A.

The following items are included with the preparation of a Section 404 permit application:

Wetland Delineation and Habitat Survey. Waters of the U.S. are present within the Project. A formal delineation needs to be completed to confirm the presence and boundaries of wetlands and waters of the U.S. The following items are included with the preparation of the wetland delineation report:

Field Visit. A wetland delineation will be conducted utilizing the US Army Corps of Engineers (USACE) current methodology in order to determine the waters of the U.S. and determine the wetland boundaries within the designated Project Area. Delineations will be recorded on site using a sub-meter Global Positioning System (GPS) unit. During the field delineation, habitat areas will be noted and compared to the county list of threatened and endangered species to determine if any species are potentially present. Informal or formal consultation is not included in this scope but if required by the USACE for the permit application can be completed as an additional amendment. The delineation will be completed by two HDR personnel.

Prepare Wetland Delineation Report: The delineation report will consist of a narrative discussing wetland delineation methodology and information regarding the findings of the field investigation. Figures will be developed that utilize the electronic file of the wetland area boundaries collected in the field. Four copies of the wetland delineation report containing methodology and findings of the wetland delineation will be prepared. The findings of the delineation include identification of the type, size, and location of all potential waters of the U.S. Data forms will be provided for all areas of investigation.

Determine Project Impacts: Impacts to wetlands and waters of the U.S. from the proposed construction of the sewer will be determined. HDR will assess the potential impacts to wetlands and waters of the U.S. and coordinate with design engineers to evaluate avoidance and minimization measures, if practicable.

Prepare 404 permit application: HDR will prepare a 404 permit application with the following:

- Project Location
- Description of the Proposed Activity
- Project Purpose
- Reasons for Discharge
- Types of Materials Being Discharged
- Surface Area in Acres of Wetlands or Other Waters Filled
- Description of Avoidance, Minimization, and Compensation
- Adjacent Landowners

It is assumed that no mitigation will be required. If identified during the pre-application meeting or during the initial impact analysis that mitigation is required, HDR can complete this task as an additional scope item.

Level 1 Records Search: HDR will complete Level background research on the project area to identify previously recorded sites and previous cultural resource surveys in the area. The archives at the South Dakota Archaeological Research Center and SD SHPO will be reviewed to identify known cultural resources and previous investigations within

study area. Additional research will include reviewing General Land Office (GLO) records, county tax records, State Historical Society historic contexts as appropriate, and other documentation as appropriate.

2A.9 Final Design Services Submittals

- Final Design Services submittals for this project shall consist of 65%, 95% and Final plans and specifications.
- The 65% Plans Submittal shall include draft sections of the final plan submittal showing detail of the expected construction items prior to creating final plan notes and quantities.
- Plans and specifications will be provided for a unit price construction contract. Plan sheets shall be prepared utilizing the latest City of Rapid City Drafting Standards incorporating design features as necessary to meet the requirements outlined in the Project Design Report.
- Plans documents shall adhere to current City of Rapid City guidelines including the Infrastructure Design Criteria and the Recommended Standards for Wastewater Facilities (Ten States Standards).
- HDR shall provide project layout to include lot lines (front and side) and addresses of all properties (adjacent to construction, or alternatively, in service area).
- HDR shall identify the existing right-of-way (ROW) location and any ROW or easements necessary for the Project. Include size and extent of such ROW and easements and contact information of property owners.
- HDR shall identify all non-conforming water and sewer service lines and include a map showing a proposed solution to making them conform with the City's current standards.
- HDR shall determine removal limits with approval of City of Rapid City representative.
- HDR shall coordinate with the geotechnical engineer to provide a geotechnical report to be included in the Project Design Report and project plans or specifications.
- HDR shall incorporate ADA compliance items, for example fillet, driveway and sidewalk improvements. All applicable ADA requirements shall be outlined in the Project Design Report.
- HDR shall provide a complete stormwater pollution prevention narrative which will include detailed erosion and sediment control measures and specifications. Provide a complete erosion and sediment control site plan which includes station and offset locations for each implemented measure. Include both temporary and permanent erosion and sediment control measures. Include an erosion and sediment control sequence of implementation and phasing schedule. Each erosion control item shall be bid separately.
- HDR shall provide detailed traffic control plans showing all devices required for a MUTCD compliant plan. All work zones, road closures, lane closures, and pavement marking removals shall be indicated on the plan. A detailed layout will be included for each phase with a traffic control sequence of implementation and phasing schedule coinciding with erosion and sediment control plans.
- HDR shall provide a Project Sequence of implementation and phasing schedule including such items as traffic control, erosion and sediment control, utility installations, paving, restoration, and construction milestones.

- Benchmark and staking information shall be included on the plans as station offsets for all items of work requiring field staking and also available in tabular form.
 - All submittals (drawings and specifications) believed to be a final, shall contain a Certification Statement of Conformance with City Standards which shall read, “I (insert Engineer of Record’s name) Certify that I have read and understand the provisions contained in the City of Rapid City Standard Specifications for Public Works Construction, current edition and the City of Rapid City’s adopted Design Criteria Manuals. The drawings and specifications contained here within, to the best of my knowledge, were prepared in accordance with these documents or a properly executed exception to the Standard Specifications and/or Infrastructure Design Criteria Manual has been secured”. This statement shall appear on the title sheet of the drawings and on the first page of specifications after the cover sheet and be signed and dated by the Engineer of Record.
 - Provide detailed specifications supplementing the City of Rapid City Standard Specifications, as necessary. Project drawing specific issues will be indicated as a General Note on the drawings with Material Specific Items to be included as a specification section
 - Prepare final “Engineer’s Estimate” of probable construction cost for the project.
- 2A.10 HDR shall coordinate with private utility companies to ensure that existing utilities are accurately identified and located in the field; that pertinent information regarding depth, material, size, etc. are noted on the plans; and that conflicts requiring relocation of utilities or special construction techniques are specified in the contract documents.
- 2A.11 HDR shall request and obtain design exceptions from city requirements and specifications for Infrastructure Design as needed for the project.
- 2A.12 HDR shall arrange and conduct submittal review meetings to address Rapid City staff comments on 65% and 95% submittals as necessary.
- 2A.13 QA/QC: HDR QC requirements will include a detailed internal review of the design and construction documents including a thorough check for errors and omissions, review of quantities, plan clarity, and project scope requirements.

TASK 2 SUBMITTALS:

- Final Project Design Report
 - Provide two (2) hard copies and a PDF
- Final Design Review Drawings and Specifications (65%, 95%)
 - Provide three (3) hard copies and a PDF
- Final Review Engineer’s Estimate (65%, 95%)
 - Provide three (3) hard copies and a PDF
- City Review Comment Responses (65%, 95%, and Final)
- Easement Documents and Property Owners Meeting Minutes
- Sewer Connection Agreements and Property Owners Meeting Minutes
- Final Drawings and Specifications Submittal
 - Provide one (1) copy and a PDF version of bid documents including complete plans, specifications, and Engineer’s Estimate of probable construction cost to the City of Rapid City’s project manager for City distribution.

- Provide complete specifications and contract documents on CD in Microsoft Word XP or previous versions.
- Provide complete plans on CD compatible with AutoCAD Release 2011 format.
- Provide all topographic, control, and design points in the .dwg file and in tabular format, both on CD and on hard copy printout.
- One (1) copy of plans/drawings to the City of Rapid City at 11" x 17" scale along with a roll plot of the project area for construction services personnel.
- Final Engineer's Estimate
 - On CD in Microsoft Excel XP on the City of Rapid City "Engineer's Estimate" form.

TASK 2 MEETINGS:

- Public Open House
- Easement Negotiation Meetings (2 Days)
- Sewer Connection Negotiation Meetings (4)
- Environmental Permitting Meetings (4)
- Private Utility Coordination Meeting
- Submittal Review Meetings (3)

TASK 2B – ALTERNATE SCOPE TASK – FINAL DESIGN for JOLLY LANE LIFT STATION REMOVAL

This task consists of all services necessary to take the proposed removal of the Jolly Lane Lift Station from Task 1 Preliminary Design Services through the Final Design Services. This task is being presented as an Alternate Scope Task with a separate notice to proceed that may or may not be included in this contract. HDR anticipates including these plan sheets with the Final Design deliverables for task 2A with additional efforts included in the following itemized services

- 2B.1 Address City comments from the Task 1 City review(s) and finalize Technical Memorandum #3 into the Project Design Report. The final Project Design Report shall be submitted when HDR believes the plans, specifications, contract documents, and opinion of probable construction cost are 100% complete.
- 2B.2 HDR shall arrange and conduct a site visit with city utility staff for data collection/verification of the existing lift station facility and equipment.
- 2B.3 HDR shall assist the City with easement(s) acquisition if easements are needed. A total of one (1) set of easement documents and meetings has been estimated for this task.
- 2B.4 Final Design Services Submittals will be provided following the guidelines noted in Task 2A.
- 2B.5 HDR shall coordinate with private utility companies to ensure that existing utilities are accurately identified and located in the field; that pertinent information regarding depth, material, size, etc. are noted on the plans; and that conflicts requiring relocation of utilities or special construction techniques are specified in the contract documents.

TASK 2B SUBMITTALS:

- Final Project Design Report
 - Included in Task 2A submittals
- Final Design Review Drawings and Specifications (65%, 95%)
 - Included in Task 2A submittals
- Final Review Engineer's Estimate (65%, 95%)
 - Included in Task 2A submittals
- City Review Comment Responses (65%, 95%, and Final)
 - Included in Task 2A submittals
- Easement Documents and Property Owners Meeting Minutes
- Final Drawings and Specifications Submittal
 - Included in Task 2A submittals
- Final Engineer's Estimate
 - Included in Task 2A submittals

TASK 2B MEETINGS:

- Easement Negotiation Meeting

TASK 3 – BIDDING SERVICES

This task consists of all services necessary for the administration of the Bidding Services of the project, and shall include the following itemized services. Project efforts for bidding services assumed one project bid schedule for both final design 2A and 2B.

- 3.1 Submit sufficient information to the City of Rapid City project manager for completion of City Advertising Authority form.
- 3.2 HDR shall proof print quality at printers before full production of copies are made.
- 3.3 Arrange and conduct a Pre-bid Conference. Record attendance and minutes. Distribute minute copies to only Consultant and City.
- 3.4 Prepare and issue addenda to the bid documents as required.
- 3.5 Assist City in submitting plans and specifications to the Department of Environment and Natural Resources for approval, and the Consultant shall address any comments or corrections required.
- 3.6 Review Bidder's Proposals and review and sign the City Engineering Services prepared Bid Tab, prepare an award recommendation letter to the City of Rapid City project manager, and sign a City Engineering Services prepared Award Summary.

TASK 3 SUBMITTALS:

- Pre-bid Conference minutes
- Bid Addenda (as required)
- Bid Award Recommendation Letter

TASK 3 MEETINGS:

- Pre-bid Conference Meeting

Task 4 & 5 Scope of Services

Construction services for this project are expected to consist of all services necessary for the administration of the Basic Construction Services and Expanded Construction Services of the project construction stage as outlined in the Request for Proposals. Hours and costs for these services are anticipated to be negotiated under a new contract approximately two months prior to the project bid date.

Project Schedule

The proposed schedule for design services is based on the information provided in the Request for Proposals and discussed in the various scoping meetings. HDR is prepared to meet the project deadlines as noted below and is always open to discussion on schedule adjustments to meet the City of Rapid City's goals for the project. The schedule allows 10 working days for City review of Technical Submittals and 15 working days for other project submittals and calendar dates for each milestone will be established at the project kickoff meeting.

City Council Authorization	July 8 th , 2013
Technical Memorandum #1	September 26 th , 2013
Technical Memorandum #3 - #7	October, 2013
Project Design Report Submittal	October, 2013
65% Construction Plans Submittal	December, 2013
Final Design Services Submittal	January, 2014
Final Plans and Specifications for Bidding	February, 2014
Project Bid Letting	February 25 th , 2014
Technical Memorandum #2	February, 2014
Project Construction 100% Complete	September 30, 2014

**EXHIBIT B
CITY OF RAPID CITY - SOUTH SIDE SEWER EXTENSION PROJECT
PRELIMINARY, FINAL DESIGN & BIDDING SERVICES ENGINEERING FEE ESTIMATE**

	Manhour	Labor	Expense
	Total	Total	Total
Task 1 - Preliminary Design Services			
1.1 Project Initiation and Data Gathering	49	\$5,916	\$100
1.2 Project Kick-Off Conference	14	\$1,844	\$0
1.3 Project Coordination Meetings	122	\$15,714	\$0
1.4 City Coordination Workshops	84	\$12,080	\$0
1.5 Wetland / Environmental Review	30	\$3,360	\$0
1.6 Conceptual Design Report			\$0
TM #1 - South Side Drive Sewer Extension	388	\$42,944	\$200
TM #2 - South Side Sanitary Sewer Master Plan	602	\$69,214	\$2,400
TM #3 - Jolly Lane Lift Station Removal	72	\$9,024	\$0
TM #4 - Highway 44 Sanitary Sewer Diversion	136	\$16,584	\$0
TM #5 - South Side Drive Sewer Material Evaluation	54	\$5,860	\$0
TM #6 - South Side Drive Roadway Design	52	\$5,394	\$0
TM # 7 - Rapid City Water & Sewer Cost Share Evaluation	232	\$33,924	\$1,200
1.7 Submittal Review & Progress Meetings	64	\$7,806	\$0
1.8 Committee and City Council Meetings	28	\$3,858	\$0
1.9 Project Management & QA/QC	95	\$9,826	\$400
Task 1 Subtotal	2022	\$243,348	\$4,300
Task 2A - Final Design Services			
2A.1 Address City Project Design Report Comments	44	\$4,600	\$0
2A.2 Topographic Survey	324	\$29,552	\$0
2A.3 Coordinate Geotech Testing	4	\$578	\$0
2A.4 Public Open House	80	\$8,496	\$0
2A.5 Survey Questionnaire	46	\$4,084	\$0
2A.6 Easement Negotiations	144	\$17,048	\$0
2A.7 Sewer Connection Negotiations	40	\$5,164	\$0
2A.8 Environmental Permitting	84	\$9,636	\$2,200
2A.9 Final Design Services Submittals			
65% Plan Submittal	576	\$59,528	\$200
95% Plan Submittal	560	\$57,904	\$200
2A.10 Private Utility Coordination	44	\$4,600	\$0
2A.11 Request City Design Exceptions	24	\$3,048	\$0
2A.12 Submittal Review Meetings	24	\$2,698	\$0
2A.13 Project Management & QA/QC	32	\$5,528	\$200
Task 2A Subtotal	2026	\$212,464	\$2,800
Task 3 - Bidding Services			
3.1 Submit Information for City Advertising Authority Form	3	\$414	\$0
3.2 Final Plans/Specs for City Production/Distribution to Bidders	11	\$1,198	\$0
3.3 Pre-Bid Conference	8	\$1,078	\$0
3.4 Issue Addenda to Bid Documents (as required)	22	\$2,712	\$0
3.5 DENR Plan Review	7	\$860	\$0
3.6 Prepare Award Recommendation/Review Bid Tab	5	\$664	\$100
Task 3 Subtotal	56	\$6,926	\$100
LIFT STATION REMOVAL			
2B.1 Address City Project Design Report Comments	4	\$500	\$0
2B.2 Site Visit & Data Collection	4	\$578	\$0
2B.3 Easement Negotiations	4	\$524	\$0
2B.4 Final Design Services Submittals			
65% Plan Submittal	29	\$3,470	\$0
95% Plan Submittal	25	\$3,024	\$0
2B.5 Private Utility Coordination	2	\$250	\$0
Task 2B Subtotal	68	\$8,346	\$0
DESIGN TOTAL	4172	\$ 471,084	\$7,200
TOTAL LABOR	\$471,084		
TOTAL EXPENSES	\$7,200		
Geotechnical Subconsultant	\$5,525		
TOTAL NOT TO EXCEED FEE	\$483,809		

EXHIBIT C
SCHEDULE OF PAY RATES

HDR ENGINEERING, INC.

FEE SCHEDULE

PRELIMINARY, FINAL DESIGN, and BIDDING SERVICES
FOR SOUTH SIDE DRIVE SANITARY SEWER EXTENSION
Project No. 14-2095 / CIP No. 50328
City of Rapid City, South Dakota

The following fee schedule is the 2013 Billable Rate Fee Schedule for HDR Engineering, Inc. This fee schedule and the hourly rates shown apply to the above referenced project. In instances where a discipline not listed below may work on the project, the billing rate will be prior submitted to the City.

<u>EMPLOYEE - DISCIPLINE</u>	<u>BILLING RATE/HR</u>
Project Principal	\$198
Senior Technical - QA/QC	\$ 198
Project Manager	\$164
Sr. Water/Wastewater Engineer	\$164
Water/Wastewater Engineer	\$125
Sr. Civil Engineer	\$164
Civil Engineer	\$ 90
Sr. ASME Engineer	\$164
ASME Engineer	\$114
Sr. Environmental Scientist	\$110
Environmental Scientist	\$ 90
Sr. GIS/CADD	\$98
Registered Land Surveyor	\$110
Field Surveyor	\$ 78
Accounting / Admin	\$ 62

DIRECT EXPENSES

Vehicle Mileage \$ 0.555/Mile

OTHER REIMBURSABLE EXPENSES

Reimbursable expenses shall mean the actual expenses incurred directly or indirectly in connection with the project for transportation travel, subconsultants, printing, telephone, fax, shipping and express, and other incurred expenses.