REQUEST FOR PROPOSAL #2015-01
Release Date: Friday, January 9, 2015

Professional Engineering Services for:

HIGHWAY 99 SEWER SOUTH
#26 – 2014 – 0065

PROPOSALS DUE: Friday, January 30, 2015, by 2:00 PM

Proposal(s) shall be sealed and clearly marked with the RFP # and Project Title.

Submit one (1) original, three (3) complete copies and one (1) PDF electronic copy of the Proposal to:

Contact Individual:

Heidi L. Rosenberg
Capital Program Manager
Clark Regional Wastewater District
8000 NE 52nd Court
Vancouver, WA 98665
(360) 993-8819
hrosenberg@crwwd.com
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**Attachments**
- Attachment A – Summary Proposal Form
- Attachment B – Professional Engineering Consultant Services Contract
- Attachment C – Scoping map of existing conditions
- Attachment D – Preliminary Opinion of Cost
- Attachment E – Preliminary Project Schedule
1.0 Introduction

1.1 Background and Purpose

The Clark Regional Wastewater District owns and operates its own wastewater collection system serving the urban unincorporated area of Clark County, north of the City of Vancouver, and as of January 1, 2014, the incorporated City of Ridgefield. The District provides customer focused, professional wastewater services to more than 27,000 customers, including the 1,800 new Ridgefield customers. With the addition of the Ridgefield collection system, the District maintains over 600 miles of pipe and 61 pump stations throughout the 42 square miles of District service territory.

The District’s adopted 2013 Comprehensive General Sewer Plan describes the existing collection system and provides the blueprint for service area extension. In addition, the District’s condition assessment has identified and prioritized projects needing restoration and replacement. The Highway 99 Sewer South Project has been listed in the recently approved 2015-2020 Six-Year Capital Program as a Restoration and Replacement – Gravity Project.

The purpose of this Request for Proposal (RFP) is to engage professional engineering consultant services to provide final plans, specifications and engineering estimates (PS&E) and construction technical support for the Highway 99 Sewer South Project. The project proposes the replacement of the gravity trunk line in Highway 99 from NE 78th Street south to NE 63rd Street prior to the Clark County paving project proposed for summer 2016.

1.2 Project Description and Objectives

The project includes:

- Replacement of approximately 3,400 linear feet of 10”, 12” and 15” gravity trunk due to existing pipe deficiencies, including sags, cracks, and grease buildup
- Associated bypass pumping and dewatering
- Maintaining sewer service along the extent of construction
- Maintaining traffic control and flow; including not impeding traffic flow to and from I-5 at the NE 78th Street intersection
- Potential for existing pavement to include areas of substantial concrete depth due to the historic nature of Highway 99
- Potential for contaminated soil and/or groundwater from commercial properties along Highway 99

The following background information is attached to this RFP for reference:

- **Attachment C**: Scoping map of existing conditions
- **Attachment D**: Preliminary Opinion of Cost, prepared by Wallis Engineering
• **Attachment E:** Preliminary Project Schedule, prepared by Wallis Engineering

1.3 Consultant Scope of Work

The Consultant scope of work includes PS&E, contract documents, project bidding support, construction inspection services, and providing technical support during construction. The District will administer the construction contract.

The Consultant will provide the following, in association with this scope of work:

- Project Management
- Survey Services to support design and construction
- Geotechnical Services to support design and construction
- Preparation and submittal of necessary permits and environmental clearances, including NPDES Stormwater General Permit for Construction and SWPPP preparation
- Potholing to locate existing utilities and determine existing pavement depth
- Coordination with Clark County and WSDOT regarding permitting, traffic control and pavement restoration requirements
- Coordination with other utility providers regarding preservation or relocation of utilities associated with the project
- Public outreach, including stakeholder outreach to businesses along Highway 99, and inclusion in Clark County transportation weekly construction update
- 30% Plans, Specifications, and Estimate
- 50% Plans, Specifications, and Estimate
- 90% Plans, Specifications, and Estimate
- Final Plans, Specifications, and Estimate
- Bid and Award Support
- Construction Management - Construction engineering services (submittals, RFI's, pay estimates) and construction inspection support.
- Record Drawings

The District anticipates providing program oversight and project management-level coordination and direction to the Consultant efforts, and will rely on the Consultant to provide technical expertise and project management resources to assist in delivery of the work. It is intended that the Consultant will work closely with District engineering and operations staff.

1.4 Source of Funding/Funds Available

This work will be procured with District funding. The District has allocated approximately $2.6 M of capital program funds for the overall project, including construction. These funds are expected to be expended for design in 2015, with
construction beginning in early 2016, so that the project can be on line no later than June 1, 2016, ahead of the Clark County paving schedule.

1.5 Project Schedule
The anticipated project timeline is indicated below. The District reserves the right to change the timeline as it deems may be in the interest of the project.

- Request For Proposal (RFP) Process – Jan/Mar 2015
- 30% and 50% Design – Apr/June 2015
- Final Engineering – June/Oct 2015
- Bid – Oct/Dec 2015
- Construction – Dec 2015/May 2016
- Project Online – June 1, 2016

1.6 RFP Schedule
The anticipated RFP timeline is indicated below. The District reserves the right to change the timeline as it deems may be in the interest of the project.

- Request For Proposal (RFP) Released – January 9, 2015
- Proposals Due – January 30, 2015
- Evaluation of Proposals (short list if required) – February 6, 2015
- Interviews (if required) and Selection/Recommendation – February 13, 2015
- Board of Commissioners Approval – March 24, 2015
- Consultant Notice to Proceed – March 25, 2015

2.0 General Requirements
2.1 Administrative Requirements
Proposal shall comply with all management and administrative requirements established by Washington Administrative Code (WAC), the Revised Code of the State of Washington (RCW), and any subsequent amendments or modifications, as applicable to providers licensed in the State of Washington.

All Proposers shall be listed on the Plan Holders list to be considered responsive. To be listed, a Proposer shall email the individual listed on the cover page.
2.2 Authorship

Proposers must identify any assistance provided by agencies or individuals outside the Proposer's own organization in preparing the proposal. No contingent fees for such assistance will be allowed to be paid under any contract resulting from this RFP.

All proposals and products submitted become the property of the District. It is understood and agreed that the prospective Proposer claims no proprietary rights to the ideas and written materials contained in or attached to the proposal submitted.

2.3 Cancellation of Award

The District reserves the right to immediately cancel an award if the contractual agreement has not been entered into by both parties or if new state regulations or policy makes it necessary to change the program purpose or content, discontinue such programs or impose funding reductions. In those cases where negotiation of contract activities are necessary, the District reserves the right to limit the period of negotiation to sixty (60) days, after which time funds may be unencumbered.

2.4 Confidentiality

Proposer shall comply with all applicable state and federal laws governing the confidentiality of information.

2.5 Conflict of Interest

All proposals submitted must contain a statement disclosing or denying any interest, financial or otherwise, that any employee or official of the District may have in the proposing firm or proposed project. A statement to this effect in the cover letter is sufficient in addressing this requirement.

2.6 Consortium of Agencies

Any consortium of companies or agencies submitting a proposal must certify that each company or agency of the consortium can meet the requirements set forth in the RFP.

2.7 Award of Contract

The contract award will not be final until the District and the Proposer have executed a contractual agreement. The contractual agreement consists of the following parts: (a) the basic provisions and general terms and conditions, (b) the special terms and conditions, (c) the project description and goals (Statement of Work), and (d) the budget and payment terms. The District is not responsible for any costs incurred prior to the effective date of the contract. The District reserves the right to make an award without further negotiation of the proposal submitted.
2.8 Debarment and Suspension
Proposer must certify that it is not debarred, suspended or otherwise excluded from, or ineligible for, participation in Federal Assistance programs under Executive Order 12549, "Debarment and Suspension." Proposer must also certify that it will not contract with a subcontractor that is debarred or suspended. A statement to this effect in the cover letter is sufficient in addressing this requirement.

2.9 Disputes
The District encourages the use of informal resolution to address complaints or disputes arising over any actions in implementing the provisions of this RFP. Written complaints regarding the RFP process should be addressed to the Contact Individual indicated on the cover.

2.10 Equal Opportunity
It is the policy of the District to require equal opportunity in employment and services subject to eligibility standards that may be required for a specific program.

No person shall, on the grounds of race, color, religion, sex, handicap, national origin, age, citizenship, marital status, political affiliation or belief, be denied employment or benefits, or be discriminated against as a consumer, administrator or staff person under any program or activity receiving funds under this RFP.

In compliance with Department of Labor Regulations implementing Section 504 of the Rehabilitation Act of 1973, as amended, no qualified handicapped individual shall be discriminated against in admission or access to any program or activity.

Proposer must agree to provide equal opportunity in the administration of the contract and its subcontracts or other agreements.

2.11 Insurance
Prior to the signing of a contract, the Proposer(s) selected must show evidence of a certificate of commercial liability for a minimum of $1,000,000 identifying the District and its elected officials, officers, employees and agents as additional insureds. In addition, Errors and Omissions liability insurance coverage will be required for this project in the amount of $2,000,000.

2.12 Late Proposals
A proposal received after the date and time indicated herein will not be accepted. No exceptions will be made.

2.13 Limitation
This RFP does not commit the District to award a contract, to pay any costs incurred in the preparation of a response to this RFP or to procure or contract for services or supplies. The District reserves the right to accept or reject any or all proposals received as a result of this RFP, to negotiate with all qualified sources,
to waive formalities, to postpone award or to cancel in part or in its entirety this RFP if it is in the best interest of the District to do so.

2.14 Interviews

An interview may be required of those Proposers whose proposals are under consideration. Proposers may be informed that an interview is desired and will be notified of the date, time and location the interview is to be conducted.

2.15 Single Audit Requirements

Any contract awarded as a result of this RFP may include the agreement to annually audit any contracts with the District. Audits shall be performed in accordance with OMB Circular A-128 or A-133 as appropriate and shall be received by the District within the 12 month period following the close of each fiscal year. Agencies not covered by federal single audit requirements may be responsible for an independent agency audit, which meets general accepted auditing standards.

2.16 Other Audit/Monitoring Requirements

In addition, auditing or monitoring for the following purposes will be conducted at the discretion of the District: Fund Accountability, Contract Compliance, and Program Performance.

2.17 Subcontracting

No activities or services included as a part of this proposal may be subcontracted to another organization, firm, or individual without the approval of the District. Such intent to subcontract shall be clearly identified in the proposal. It is understood that the Proposer is held responsible for the satisfactory accomplishment of the service or activities included in a subcontract.

2.18 Verbal Proposals

Verbal proposals will not be considered in making the award of any contract as a result of this RFP.

3.0 Proposal Preparation and Submittal

3.1 Request for Proposal (RFP) Process

It is the District’s intent to select a consultant based on the qualifications and abilities of the firm, the team and key project individuals. Proposers may be individual firms or teams as appropriate to meet the specific needs of the project. These instructions were developed to aid in proposal development. They also provide for a structured format so reviewers can systematically evaluate several proposals. These directions apply to all proposals submitted.

3.2 Pre-Proposal Conference

No pre-proposal conference or site visit will be held for this RFP.
3.3 Proposal Clarification

Questions regarding this RFP must be directed in writing, via email, to the Contact Individual indicated on the cover. The deadline for submitting such questions is seven (7) calendar days prior to the due date for proposals. An addendum will be issued no later than 72 hours prior to the proposal due date to all Proposers listed on the Plan Holders list, if a substantive clarification is required.

3.4 Proposal Submission

It is the Proposer’s responsibility to ensure that proposals are received prior to the specified closing date/time, and at the location specified.

By submitting a response, the Proposer is accepting the general instructions and conditions of this RFP and the Consultant Services Contract (Attachment B).

3.5 Proposal Format

The original and each copy of the proposal package must include all of the sections in the order indicated.

At the time of submission, the proposal must provide a full description of all services following the outline presented in the following section. The proposal must enable readers to understand how the Proposer intends to use these public funds and what measurable outcomes are expected to be achieved.

Proposals must be clear, succinct, and not to exceed the pages specified in the following section. All body text shall be 12-point font size or larger and lines shall be single spaced or greater.

A page is defined as a single side of a sheet. Each printed side of a sheet is a page. A page is further defined as 8.5 x 11 for text and 8.5 x 11 or 11 x 17 for supplemental drawings, pictures, and diagrams. Cover, section dividers, title page, table of contents, and appendices do not contribute to the overall page count.

The District encourages the use of readily recyclable materials where possible. Proposers are encouraged to print/copy on both sides of a single sheet of paper wherever applicable; if sheets are printed on both sides, it is considered to be two pages.

3.6 Proposal Organization and Content

Proposals shall be organized in the following manner:

1. Proposal Summary Form – 1 page.

The attached Proposal Summary Form (Attachment A) must be signed by a person authorized to make proposals and enter into contract negotiations on behalf of your firm. The Proposal Summary Form shall follow the proposal cover.
2. **Cover Letter** – 1 page.

   Letter shall include conflict of interest statement per General Requirements 2.5 and statement of debarment and suspension per General Requirements 2.8.

3. **Table of Contents** – no page limit.

4. **Project Understanding and Approach** – 6 pages.

   The Proposer shall indicate its overall understanding of the intent of the project and specific issues that are considered to be important for the work contemplated. The project understanding and project approach shall address scope and schedule of this effort, including the topics indicated in Section 1.3.

5. **Project Team, Experience and References** – 8 pages.

   The Proposer shall indicate:
   
   • the proposed project team members and time commitment of each key team member to the project; the overall organization and structure of the proposed team outlining key interactions and responsibilities, with special emphasis on the project manager function;
   
   • similar projects performed in the State of Washington or Oregon within the last five years, including at least two (2) in the State of Washington, which best characterize capabilities, work quality and cost control;
   
   • references for those projects identified, including or in addition to, three (3) references who may be contacted concerning your firm's/team's performance with regard to the Scope of Work. Include the name of the client, mailing address, telephone number, email address, contact person, and the specific work your firm performed for the client, including the estimated construction cost and year the project was completed (constructed or designed).

6. **Appendices (no page limit)**

   The Proposer may include:
   
   • specific project experiences and references for individuals;
   
   • résumés for individuals – limited to 2 pages each.

3.7 **Support Documents**

Proposers may obtain the following background information (and much more, if interested) in electronic format from the District’s website, at http://www.crwwd.com/documents.html.

- District Design Manual
- District Standard Drawings
4.0 **Consultant Evaluation Process and Scoring**

4.1 **Evaluation Process**

A review committee will be appointed to evaluate the proposals received in response to this RFP. For the purpose of scoring proposals, each committee member will evaluate each proposal in accordance with the criteria and point factors listed below. The Review Committee will proactively solicit input from a cross-section of interests within the District. The Review Committee may also seek outside expertise to assist in evaluating proposals. During the evaluation process, the Review Committee has the right to require any clarification it needs in order to understand the Proposer's view and approach to the project and scope of the work.

The Review Committee recommendations and a Consultant Services Contract will be presented to the District Board of Commissioners for approval at a regularly scheduled board meeting.

The District reserves the right to make a recommendation for selection after proposal evaluation and further reserves the right to reject all proposals.

The successful Proposer will be selected by the following process:

*Part 1 – Initial Screening of Proposals*

The Review Committee will review the proposals for compliance with the RFP requirements. Proposals found to not comply with the RFP requirements may be disqualified from further consideration.

*Part 2 – Scoring of Proposals*

The Review Committee will score the proposals based on the information submitted according to the evaluation criteria and point factors. Proposals will be considered exactly as submitted, except where formal clarification has been requested by the Review Committee as noted above. See Section 4.2 for further information.

*Part 3 - Interviews*

Following evaluation of the proposals, the highest-ranking Proposers may be invited to participate in an interview process. The District will notify Proposers as soon as possible for scheduling of interviews. The Contact Individual will schedule interviews with the contact person provided in the proposal. Additional interview information may be requested at the time of the invitation. The intent of interviews is to help clarify and verify information provided in the proposal and to give the Review Committee an opportunity to meet the project manager and key personnel that will have direct involvement in the project. If interviews are necessary, the scores from the written proposals will be considered preliminary.
Part 4 – Contract Negotiation

The Review Committee will make a recommendation to the Contact Individual to begin negotiations with the selected Proposer. If the selected Proposer and the Contact Individual are unable to agree on the final scope and fee, the District reserves the right to terminate the negotiations with the selected Proposer and initiate contract negotiations with the next highest rated Proposer. The contract negotiation process will be considered complete when a Consultant Services Contract has been approved by the District Board of Commissioners.

4.2 Scoring

Each proposal received in response to the RFP will be objectively evaluated and rated according to a specified point system. A one hundred (100) point system will be used and weighted against the following criteria:

<table>
<thead>
<tr>
<th>Criteria</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>Project Understanding and Approach</td>
<td>50</td>
</tr>
<tr>
<td>Project Team, Experience and References</td>
<td>50</td>
</tr>
<tr>
<td>Total Points Available</td>
<td>100</td>
</tr>
</tbody>
</table>
PROPOSAL SUMMARY FORM
REQUEST FOR PROPOSAL #26-2014-0065

General Information:

Legal Name of Applicant Firm

Street Address

City State Zip

Contact Person Title

Phone Fax

E-mail address

Tax Identification Number

Did outside individuals or agencies assist with preparation of this proposal?

Yes No If yes, describe.

I certify that to the best of my knowledge the information contained in this proposal is accurate and complete and that I have the legal authority to commit this firm to a contractual agreement. I realize the final funding for any service is based upon available funding levels, and the approval of the Clark Regional Wastewater District Board of Commissioners.

__________________________________________
Signature

__________________________________________
Date
Attachment B

PROFESSIONAL ENGINEERING CONSULTANT SERVICES CONTRACT
PROFESSIONAL ENGINEERING, LAND SURVEYING, ARCHITECTURE AND LANDSCAPING ARCHITECTURE SERVICES CONTRACT

THIS CONTRACT for Consultant services is between Clark Regional Wastewater District (“District”) and _________________________________ (“Consultant”).

1. Scope of Consultant Services. Consultant shall perform the services described in the scope of work attached as Attachment A. If specified in Attachment A, the services shall be performed pursuant to task orders issued by District.

2. Compensation and Payment.
   a. District shall pay Consultant for the services as indicated below (check one):
      
      _____ Fixed fee, including all services, costs, and taxes, in the amount of $_______________; or
      
      _____ Time and materials based on the rates described in Attachment B, not to exceed $________ or
      
      _____ Other, an amount not to exceed $_______________.

   b. Consultant shall submit a detailed monthly billing for all services in a format reasonably satisfactory to District, which format shall include, at a minimum, total authorized contract amount, charges and costs to date and current billing amount. District shall pay the invoices within thirty (30) days of receipt, except as to any disputed amounts.

3. Schedule of Work. Consultant shall commence services upon receipt of notice from District to do so, and shall (check one):
   
   _____ Complete the services by ____________________________; or
   
   _____ Perform the services in accordance with the schedule on Attachment C.

4. Subcontractors. Consultant shall not subcontract or assign any portion of the services covered by this contract without prior written approval of District.

5. Changes. District may, from time to time, authorize in writing changes or modifications in the scope of services to be performed under this contract. The compensation for the changes or modifications, whether a decrease or increase, shall be on the same terms and conditions as stated previously in this contract, or pursuant to terms and conditions mutually agreed to by the parties. District shall compensate Consultant only for services performed or costs incurred that are within the scope of services authorized by this contract, or any modifications to the contract in accordance with this section.
6. **Insurance.** Consultant shall maintain throughout the performance of this contract the following types and amounts of insurance:

a. Comprehensive vehicle liability covering personal injury and property damage claims arising from the use of motor vehicles with combined single limits of One Million Dollars ($1,000,000).

b. Commercial General Liability Insurance written on an occurrence basis with limits no less than One Million Dollars ($1,000,000) combined single limit per occurrence and Two Million Dollars ($2,000,000) aggregate for personal injury, bodily injury and property damage.

   Coverage shall include, but not be limited to: blanket contractual, products/completed operations; broad form property damage; explosion, collapse and underground (XCU) if applicable; and employer’s liability; and

c. Professional liability insurance (Errors and Omissions insurance) with limits no less than One Million Dollars ($1,000,000).

   The insurance policies shall: (1) state that coverage shall apply separately to each insured against whom claim is made or suit is brought, except with respect to the limits of the insurer’s liability; (2) be primary to any insurance maintained by District, except as respects losses attributable to the sole negligence of District; and (3) shall state that District will be given 30 days prior written notice of any cancellation or suspension of or material change in coverage.

   District shall be named as an additional insured on the Commercial General Liability Insurance policy with regard to work and services performed by or on behalf of Consultant, and a copy of the endorsement naming District as an additional insured shall be attached to the Certificate of Insurance.

   Before commencing work and services, Consultant shall provide to District a Certificate of Insurance evidencing the insurance described above. District reserves the right to request and receive a certified copy of all required insurance policies.

   The above insurance limits do not constitute a limit on Consultant’s liability to District. Any payment of deductible or self-insured retention shall be the sole responsibility of Consultant.

7. **Indemnification.** Consultant shall defend, indemnify and hold the District, its officers, officials, employees and volunteers harmless from any and all claims, injuries, damages, losses or suits including attorney fees, arising out of or resulting from the acts, errors or omissions of Consultant in performance of this Contract, except for injuries and damages caused by the sole negligence of the District. Should a court of competent jurisdiction determine that this Contract is subject to RCW 4.24.115, then, in the event of liability for damages arising out of bodily injury to persons or damages to property caused by or resulting from the concurrent negligence of Consultant and the District, its officers, officials, employees, and volunteers, Consultant's liability, including the duty and cost to defend, hereunder
shall be only to the extent of Consultant’s negligence. It is further specifically and expressly understood that the indemnification provided herein constitutes Consultant’s waiver of immunity under Industrial Insurance, Title 51 RCW, solely for the purposes of this indemnification. This waiver has been mutually negotiated by the parties. The provisions of this section shall survive the expiration or termination of this Contract.

8. Ownership and Use of Documents. All records, files, drawings, specifications, data, information, materials, reports, memoranda and other documents produced or prepared by Consultant in connection with the services rendered under this contract (“Documents”), whether finished or not, shall be the property of District. Upon request, Consultant shall forward Documents to District in hard copy and in digital format that is compatible with District’s computer software programs. If District uses the Documents for purposes other than those intended in this contract, without written permission of Consultant, District shall do so at its sole risk.

9. Termination. This contract may be terminated by either party upon fifteen (15) days written notice if the other party fails to substantially perform in accordance with the contract.

10. Dispute Resolution.

a. Mediation. If any dispute, controversy, or claim arises out of or relates to this contract, the parties agree first to try to settle the dispute by non-binding mediation with the assistance of a recognized professional mediation service. The parties shall bear equally all expenses, exclusive of attorneys’ fees, associated with the mediation.

b. Litigation. Thereafter, any dispute, controversy, or claim not resolved by mediation shall be resolved by litigation with venue in Clark County. The laws of the State of Washington shall govern this contract.

11. Effective Date. The effective date of this contract shall be the date that the contract is signed by an authorized representative of District.

12. Independent Contractor. Consultant is and shall be at all times during the term of this contract an independent contractor.

13. Compliance with Laws. Consultant shall comply with all federal, state and local laws, ordinances, regulations, and rules applicable to the services to be performed under this contract.
Attachment C

Scoping Map
Attachment D

Preliminary Opinion of Cost
## Preliminary Opinion of Cost - HWY 99 Sewer Replacement, 65th to 78th Street

**Date Updated:** 12/15/2014

Prepared by Wallis Engineering, WMW

### Sewer Work

<table>
<thead>
<tr>
<th>Item No.</th>
<th>Item Description</th>
<th>Quantity</th>
<th>Unit</th>
<th>Unit Price</th>
<th>Total Price</th>
<th>Assumed Minimum Working Days</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Mobilization (10%)</td>
<td>1</td>
<td>LS</td>
<td>$150,000</td>
<td>$150,000</td>
<td></td>
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<tr>
<td>2.</td>
<td>Project Temporary Traffic Control, Complete</td>
<td>1</td>
<td>LS</td>
<td>$65,000</td>
<td>$65,000</td>
<td></td>
</tr>
<tr>
<td>3.</td>
<td>Shoring or Extra Excavation Class B</td>
<td>33200</td>
<td>SF</td>
<td>$0.60</td>
<td>$19,920</td>
<td></td>
</tr>
<tr>
<td>4.</td>
<td>Removal of Structures and Obstructions</td>
<td>1</td>
<td>LS</td>
<td>$26,000</td>
<td>$26,000</td>
<td>4.0</td>
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<tr>
<td>5.</td>
<td>Removal and Disposal of Contaminated Materials</td>
<td>100</td>
<td>TON</td>
<td>$125</td>
<td>$12,500</td>
<td></td>
</tr>
<tr>
<td>6.</td>
<td>Controlled Density Fill</td>
<td>80</td>
<td>CY</td>
<td>$150</td>
<td>$12,000</td>
<td></td>
</tr>
<tr>
<td>7.</td>
<td>Trench Foundation</td>
<td>20</td>
<td>CY</td>
<td>$60</td>
<td>$1,200</td>
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<tr>
<td>8.</td>
<td>Cement Conc. Curb</td>
<td>250</td>
<td>LF</td>
<td>$40</td>
<td>$10,000</td>
<td>1.0</td>
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<tr>
<td>9.</td>
<td>Cement Conc. Sidewalk</td>
<td>2500</td>
<td>SF</td>
<td>$10</td>
<td>$25,000</td>
<td>3.0</td>
</tr>
<tr>
<td>10.</td>
<td>HMA for Temp Trench Restoration, Commercial HMA</td>
<td>1640</td>
<td>SY</td>
<td>$18</td>
<td>$29,520</td>
<td></td>
</tr>
<tr>
<td>11.</td>
<td>HMA For Permanent Trench Restoration, Cl. 1/2 Inch PG 64-22, 8-Inch Depth</td>
<td>2400</td>
<td>SY</td>
<td>$60</td>
<td>$144,000</td>
<td>5.0</td>
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<tr>
<td>12.</td>
<td>Grind and HMA Inlay, Cl. 1/2 Inch PG 64-22, 2-Inch Depth</td>
<td>10430</td>
<td>SY</td>
<td>$15</td>
<td>$156,450</td>
<td>5.0</td>
</tr>
<tr>
<td>13.</td>
<td>10&quot; PVC Sanitary Sewer Pipe (All Depths)</td>
<td>2305</td>
<td>LF</td>
<td>$110</td>
<td>$253,550</td>
<td>29.0</td>
</tr>
<tr>
<td>14.</td>
<td>12&quot; PVC Sanitary Sewer Pipe (All Depths)</td>
<td>1047</td>
<td>LF</td>
<td>$115</td>
<td>$120,405</td>
<td>13.0</td>
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<tr>
<td>15.</td>
<td>15&quot; PVC Sanitary Sewer Pipe (All Depths)</td>
<td>83</td>
<td>LF</td>
<td>$125</td>
<td>$10,375</td>
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<tr>
<td>16.</td>
<td>Sanitary Lateral Replacement</td>
<td>25</td>
<td>EA</td>
<td>$3,000</td>
<td>$75,000</td>
<td>5.0</td>
</tr>
<tr>
<td>17.</td>
<td>Connection to Existing System</td>
<td>1</td>
<td>EA</td>
<td>$1,500</td>
<td>$1,500</td>
<td></td>
</tr>
<tr>
<td>18.</td>
<td>Manhole 48 In. Diam. Type 1</td>
<td>11</td>
<td>EA</td>
<td>$5,500</td>
<td>$60,500</td>
<td>5.5</td>
</tr>
<tr>
<td>19.</td>
<td>Sewerage Bypass System, Complete</td>
<td>1</td>
<td>LS</td>
<td>$168,000</td>
<td>$168,000</td>
<td></td>
</tr>
<tr>
<td>20.</td>
<td>Dewatering System, Complete</td>
<td>1</td>
<td>LS</td>
<td>$131,000</td>
<td>$131,000</td>
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</tr>
<tr>
<td>21.</td>
<td>Stormwater Pollution Prevention/ Erosion Control</td>
<td>1</td>
<td>LS</td>
<td>$5,000</td>
<td>$5,000</td>
<td></td>
</tr>
<tr>
<td>22.</td>
<td>NE 68th St/HWY 99 Intersection Induction Loop Replacement</td>
<td>5</td>
<td>EA</td>
<td>$1,300</td>
<td>$6,500</td>
<td>5.0</td>
</tr>
<tr>
<td>23.</td>
<td>Roadway Striping</td>
<td>1</td>
<td>LS</td>
<td>$5,100</td>
<td>$5,100</td>
<td>1.0</td>
</tr>
</tbody>
</table>

Subtotal: $1,488,520

Sales Tax @ 8.4%: $125,036

Contingency @ 25%: $372,130

Design Engineering and Surveying (9%): $133,967

Construction Engineering, Staking and Quality Control (6%): $89,311

**Total Project Cost:** $2,208,964

### Assumptions:

1. All manholes and pipes will be removed and replaced.
2. Contaminated materials are estimated at 4% of the total trench area with an assumed depth of 3’ and soil weight of 100 lb/ft³. Unit price does not include any required testing or reports associated with the removal of the material.
3. Each sanitary lateral will require 10’ of curb replacement.
4. Each sanitary lateral will require 10’ of 5’ wide sidewalk replacement.
5. Temporary resurfacing to be 4’ wide.
6. Two full lanes will require restoration if County does not move forward with the resurfacing project planned for 2016. The County mentioned that the resurfacing project on HWY 99 has not been fully accepted, and that the County is continuing to look at alternative maintenance projects to avoid needing to fully resurface the roadway.
7. All existing sewer pipe is replaced with pipe of the same size.
8. See attached for sewage bypass system cost estimate breakdown.
9. Dewatering assumed to be needed for sewers in excess of 12’ of depth per previous investigations north of this project near NE Hazel Dell Plaza (See Attached).
10. Roadway delineation can be restored with paint.
11. Engineering percentages are applied to the total construction cost, including tax and contingency.
12. Construction Engineering services include project management support, Record Drawing preparation, submittal review and limited inspection assistance.
13. Per Clark County, video detection systems exist at the traffic signals on HWY 99 at NE 78th Street and NE 72nd Street. Therefore, no signal modification will be necessary.
14. Unit prices are based on 2014 Construction Costs.
Attachment E

Preliminary Schedule