Council Meeting Date: June 22, 2020 **Agenda Item:** 7(d)

CITY COUNCIL AGENDA ITEM

CITY OF SHORELINE, WASHINGTON

AGENDA TITLE:	Authorizing the City Manager to Execute a Professional Services Agreement with Osborn Consulting in the Amount of $610,161 for the 2021 and 2022 Stormwater Pipe Repair and Small Drainage Projects
DEPARTMENT:	Public Works
PRESENTED BY:	Tricia Juhnke, City Engineer
ACTION:	____ Ordinance ____ Resolution __X__ Motion ____ Discussion ____ Public Hearing

PROBLEM/ISSUE STATEMENT:

The Stormwater Pipe Repair and Replacement Program (SWPRRP) is an annual program to replace failing infrastructure identified in the Surface Water Utility's asset inventory and condition assessment (Basin Plan). The Surface Water Small Drainage Projects Program (SWSDPP) is an annual program to resolve small public drainage issues that often start as customer service requests or issues found in the field by staff.

In February 2020, staff solicited RFQ 9586 for design services on a combined 2021-2022 Stormwater Pipe Repair and Small Drainage Projects, intending to obtain design services for the 2021 portion of the construction, with the possibility of an amendment for design services for 2022, depending on the budget allocated and the consultant's performance.

Staff is requesting Council to authorize the City Manager to execute an agreement with Osborn Consulting, Inc. and authorize design services for only the 2021 portion of the 2021-2022 Stormwater Pipe Repair and Small Projects Project.

RESOURCE/FINANCIAL IMPACT:

This project is fully funded by City's Surface Water Utility. Below is a breakdown of the budget for the 2021 and 2022 Stormwater Pipe Repair and Small Drainage Projects:

Project Expenditures:

Design:	
Staff and other Direct Expenses	$ 60,000
Osborn Consulting, Inc. – Design Contract	*$ 610,161*
Contingency (10%)	$ 60,000
Design Subtotal	**$ 730,161**

Construction:	
Staff and other Direct Expenses	$ 60,000
Construction	$ 1,200,000
Contingency (10%)	$ 120,000
Construction Subtotal	**$ 1,380,000**
Total Project Expenditures	**$ 2,110,161**

Project Revenue:	
Surface Water Capital Fund	
SW Small Drainage Projects	$ 1,005,000
SW Stormwater Pipe Repair and Replacement	$ 1,105,161
Total Project Revenue	**$ 2,110,161**

As this is the design portion of the projects, there is adequate funding to award this contract.

RECOMMENDATION

Staff recommends that Council authorize the City Manager to execute an agreement with Osborn Consulting Inc. for the 2021 and 2022 Stormwater Pipe Repair and Small Drainage Projects and authorize work in the amount of $610,161 to provide design services for the 2021 portion of the 2021-2022 Stormwater Pipe Repair and Small Drainage Projects.

Approved By: City Manager ***DT*** City Attorney ***MK***

BACKGROUND

The Stormwater Pipe Replacement Program is an annual program to replace failing infrastructure identified in the Surface Water Utility's asset inventory and condition assessment (Basin Plans). The Basin Plans present a comprehensive representation of the surface water system infrastructure so that the City can manage existing issues and minimize future problems.

Condition assessment videos of stormwater pipes more than 12 inches in diameter in the current asset inventory have been completed to evaluate maintenance, repair and replacement needs. From this assessment, a list of 380 storm pipes has been identified for repair or replacement Citywide.

The Surface Water Small Drainage Projects Program is also an annual program to resolve small public drainage issue that often start as customer service requests or issues found in the field by staff. A compiled list of nine (9) Small Project sites has been identified for construction in 2021.

DISCUSSION

In February 2020, staff solicited RFQ 9586 for design services on a combined 2021-2022 Stormwater Pipe Repair and Small Drainage Projects, intending to obtain design services for 2021 construction, with the possibility of later amendment for design services for the 2022 portion, depending on the budget allocated for 2022 and the consultant's performance. Five firms submitted Statements of Qualifications (SOQ's), which were reviewed by staff. One firm, Osborn Consulting, Inc. (OCI), was selected as the best qualified for this project.

This scope of work for OCI is for the services to be rendered for design for the 2021 construction project, and is included with this staff report as Attachment A. Work to be completed will include the following:

- Prioritize the current list of sites;
- Provide plans, specifications and engineers estimate for selected sites that fit within this year's budget;
- Identify sites that will require critical area permitting, prepare environmental documentation and submit permit applications for sites to be constructed in 2021; and
- Provide as-needed support during construction.

The 2021 program does not have sufficient budget to repair or replace all 380 pipes and nine small project sites identified. Part of the scope of work for this contract will be to complete a risk-based prioritization of the identified sites. This list will be used to select sites for 2021 construction as well as 2022 construction.

It is expected that 25 to 30 sites will fit within the 2021 project's budget constraints and will be selected for constructed in 2021. Upon completion of this work, a contract amendment may be approved to authorize Osborn Consulting Inc. to proceed with design of the 2022 project.

ALTERNATIVE ANALYSIS

The alternative to authorizing the award of this contract is not to award the contract, in which case the project would not proceed. This is not recommended.

COUNCIL GOAL(S) ADDRESSED

This project addresses Council Goal #2: Continue to deliver highly valued public services through management of the City's infrastructure and stewardship of the natural environment. This project will help meet this goal by repairing and replacing failing stormwater pipes.

RESOURCE/FINANCIAL IMPACT

This project is fully funded by City's Surface Water Utility. Below is a breakdown of the budget for the 2021 and 2022 Stormwater Pipe Repair and Small Projects:

Project Expenditures:

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Total Project Revenue	**$ 2,110,161**

As this is the design portion of the projects, there is adequate funding to award this contract.

RECOMMENDATION

Staff recommends that Council authorize the City Manager to execute an agreement with Osborn Consulting Inc. for the 2021 and 2022 Stormwater Pipe Repair and Small Drainage Projects and authorize work in the amount of $610,161 to provide design services for the 2021 portion of the 2021-2022 Stormwater Pipe Repair and Small Drainage Projects.

ATTACHMENTS

Attachment A – Osborn Consulting, Inc. Contract Scope of Services for 2021

EXHIBIT A

SCOPE OF WORK

Project: 2021 & 2022 Stormwater Pipe Repair and Small Projects	
PRIME Consultant:	**Osborn Consulting, Inc.**
Contract No.:	**9586**

Background

The City of Shoreline (City) Storm Utility system has numerous locations where existing pipes are showing deterioration and are in need of repair and replacement. Through the process of video inspecting of their storm pipe system, the City has developed an inventory of deficient pipelines and appurtenances at various locations within the City that will need to be replaced due to increased conveyance needs, material, pipe age, and maintenance.

Osborn Consulting, Inc, (Consultant) has been selected for the 2021 & 2022 Stormwater Pipe Repair and Small Projects to support the City with storm utility replacement projects to design improvements. This will include providing engineered plans, specifications, cost estimates (PSE); bid documents; and construction support. Open-cut pipe repair projects will be selected from a list of deficient pipelines identified in the inventory. From this short list, 25 to 30 separate sites are anticipated to be designed for construction in 2021. An additional 40 to 50 open-cut sites are anticipated to be designed in 2021 for construction in 2022. In addition, up to nine sites have been identified by the City for updates through the Small Project list. Up to nine of these sites will be designed through bid documents for construction in 2021. Sites not selected for inclusion in the 2021 package or potential new sites will be evaluated for design and construction in 2022.

Scope for design and construction support for the 2022 package are not included at this time.

The scope of work includes the following elements:

Task 1 – Project Management

Monitoring and communicating the status of the scope, schedule, and budget of this work assignment and providing monthly reporting to the City.

Consultant Services

- Prepare the Project Management Plan
    - Develop and manage Project Schedule with key milestones and tasks.
    - Identify communication protocols and issue/action tracking.
    - Identify procedures for project implementation matching evolving State of Washington COVID-19 safety protocols.
    - Project-specific Quantity Control Plan.
- Prepare status reports describing the following:
    - Services completed during the month.
    - Outstanding issues (if any).
    - Scope/schedule/budget status.
    - A financial summary.
- Attend one (1) project kickoff meeting with City of Shoreline staff to confirm and document the project goals, design criteria, and constraints.

- Attend one (1) project closure/post construction review meeting with City of Shoreline staff.
- Attend up to five (5) design review meetings per project year after receiving submittal comments.
- Bi-weekly PM Check-ins via web/phone
- Manage Issue Log for City and all team members.
- Manage Risk Register to identify and document project risks and mitigation strategies.
- Submit invoices monthly

City of Shoreline's Responsibilities

- Attend project kickoff and closure meetings (in person or via teleconference).
- Review and approve invoices.
- Review and comment on submittals within the schedule.

Assumptions

- Project duration through 2021 Construction support will be approximately18 months (mid-June 2020 through November 2021).
- There will be one (1) project kickoff meeting attended by up to four (4) Consultant Team members and City staff. Kickoff meeting to be held at Shoreline City Hall or by teleconference.
- There will be one (1) project closure meeting attended by up to two (2) Consultant Team members and City staff. Closure meeting to be held at Shoreline City Hall or by teleconference.
- There will be five (5) design review meetings for both the 2021 and 2022 design packages attended by up to four (4) Consultant Team members and City staff, each meeting will be up to 2 hours long. Review meetings will be held for review of:
    - Preliminary Design, Open-Cut.
    - Open-Cut, 60% Design.
    - Small Projects, 30% Design.
    - Small Projects, 60% Design.
    - Combined 90% Design.

  Design review meetings to be held at Shoreline City Hall or by teleconference.

Deliverables

- Project kickoff meeting and closure meeting, with meeting minutes.
- Design review meetings with meeting minutes.
- Project Management Plan.
- Project schedule, update to be provided with monthly status reports.
- Issue Log and Risk Register to be provided at each deliverable.
- Bi-weekly check-in (as necessary and determined by City Project Manager prior to each week).
- Monthly status reports.

Task 2 – Data Collection & Review

The Consultant will consolidate available data at existing sites, when needed, provide site survey, geotechnical investigations, coordination of utilities and utility pothole locates.

Task 2.1 Consolidate and Review Existing Information

The Consultant will review the City's master list of preliminary open cut sites and apply the following screens to refine the list:

1. Identify pipes on the list with defects that were caused by the installation of other utilities. These sites will be removed from this project's list and forwarded to City to coordinate repair by the utility owner.
2. Identify improvement sites that are adjacent to planned sidewalk improvement sites. These will be shifted to low priority with confirmation from the City.
3. Approximate construction cost of the Priority 1 sites. If under the construction budget, move to step 4.
4. Approximate construction cost of Priority 2 sites with "high consequence of failure" (i.e., located in arterials, intersection, large diameter or adjacent to important infrastructure/facilities). If this, combined with step 2, is under the construction budget, move to step 5.
5. Approximate construction cost of Priority 2 sites with that are adjacent to the step 2 and 3 site. If combined with step 2 and 3 is under the construction budget, move to step 6.
6. Use PACP pipe condition ratings to rank the remaining Priority 2 pipes in order and add to the list until the construction budget is reached (approximately 80 pipes total).
7. Move sites including those requiring complex permitting or design to the 2022 bid package (Approximately 40 to 50 sites).

Assumptions:

- City will provide a master list of open-cut sites and confirm construction budget for 2021 and 2022 construction.

Deliverables:

- Provide a refined list of 80 open cut sites.
- Planning-level cost estimate for sites selected for design of repairs.

Task 2.2 Basemap/GIS Site Verification

With the refined list of open-cut sites, the Consultant will:

1. Review the City's existing Basemap, GIS information, and CCTV reports.
2. Paint locate limits and coordinate utility locates for each site.
3. Complete site visit to each open-cut site for up to 40 sites to verify basemap information and record utility locates.
4. If needed coordinate potholing and survey (Task 2.3 and 2.4 below).

Assumptions:

- City will provide available data for this project including record drawing information for storm, water, and sewer systems.
- Consultant will coordinate for utility locates at up to 40 open-cut sites and 4 surveyed small project sites.

Deliverables:

- Provide a list of reviewed data and identify missing data.
- Provide list of any risks associated with each open-cut site.

Task 2.3 Topographic Survey

The Consultant will coordinate and provide topographical survey of the project design area for up to three small project sites. Duane Hartman & Associates, Inc. (DHA) will provide the topographic mapping services for the selected sites.

The Consultant Team will provide the following services:

- Provide full street right-of-way topographic mapping, at the following sites:
  - Work Number 1469: Approximately 200 linear feet of right-of-way along Linden Ave N
  - Work Number 1644: Approximately 400 linear feet of right-of-way along 21st Ave NW and 400 Street linear feet of right-of-way along NW 196th Place.
  - Work Number 2556: Approximately 400 linear feet of right-of-way along 12th Ave NE and 400 Street linear feet of right-of-way along 11th Ave NE.
  - Work Number 12743: Approximately 250 linear feet of right-of-way along 20th Ave NW
- Topographic mapping will consist of all above ground planimetric features, paving limits, curbs, walks, fences, trees (greater than 6" BDH in right-of-way and 12" BDH on Site C), etc., and all above and underground utilities, as specified.
- Prepare an existing conditions survey base map, showing a 1-foot contour topographic survey at a 1"=20' scale.
- Prepare an existing conditions DTM based on the topographic survey data.
- Two-man field survey crews will be utilized to establish site control and perform the majority of the survey.
- Surveyor will locate a sufficient amount of the existing right-of-way monuments to generate City street rights of way and platted lot lines.
- Surveyor will engage a locate service to assist with underground private/public utility location.
- All field data will be processed in accordance with City of Shoreline survey and CADD standards and sent in AutoCAD format.
- A second day of field survey will pick up the geotechnical boring and pothole locations these three sites.
- The horizontal and vertical datums will be City of Shoreline (i.e. NAD83(1991) horizontal and NAVD-88 vertical).

City of Shoreline's Responsibilities

- City will provide existing survey base maps and as-built information for the storm drain, sanitary sewer, and water systems in the project area, if available.
- Permission to enter property parcels (if any) will be secured by the City.

Assumptions:

- The limits of the topographic survey shall be within the City Right of Way.
- Site survey will only be required for up to four Small Project sites.
- This scope does not include the resolution of physical encroachments and occupation that may be disclosed during the course of the field survey.
- Easement description/exhibits are not included.

Deliverables:

- Survey base map and DTM (in AutoCAD Civil3D 2018 format)
- Stamped survey sheets for inclusion in plan set (PDF)

Task 2.4 Geotechnical Investigations

The Consultant will coordinate and provide geotechnical investigations for the project. Geotechnical review and investigations will be provided by a subconsultant. Geotechnical infiltration testing for Small Project sites with potential bioretention facilities, Work Orders 1644 and 2556. Infiltration testing will be provided following the City of Shoreline requirements.

After the completion of the investigations and testing, the geotechnical engineer will prepare a geotechnical report summarizing site soil conditions including infiltration feasibility and estimated ground water elevations, if encountered, and presenting geotechnical recommendations for construction of the proposed improvements.

Assumptions:

- Two infiltration tests are anticipated, one per site.
- Closure of a portion or all of one lane adjacent to each boring location will be needed for excavation.
- Traffic control will be provided by the geotechnical engineer.
- Anticipated duration of the field exploration to be 2 days for infiltration testing.
- The geotechnical investigations for the sites will be completed consecutively with results compiled into a single report.

Deliverables:

- Traffic control plan for each site (PDF).
- Geotechnical Report, Draft and Final (PDF).

Tasks 2.5 Utility Coordination & Potholing

With the completion of the 60% Design, potential utility conflicts will be identified and critical utility crossing potholed to confirm clearances. An exhibit of anticipated utility conflicts will be emailed the utility representatives. The Consultant will identify potholing needs and coordinate potholing to be provided by a potholing vendor. Pothole locations will be documented by field survey.

Assumptions:

- Utility conflict exhibits will be required at up to eight (8) sites. Utility exhibits will be compiled and coordinated as a single effort.
- Utility resolution coordination will be required with up to five (5) separate utility owners.
- Pothole quotes will be obtained from at least two vendors. Budget assumes up to twelve (12) potholes at $1,200 each between the eight sites, plus $1000 for traffic control for each site.
- Pothole vendor will provide their own traffic control.

Deliverables:

- Utility conflict exhibit, (PDF)
- Results of Potholing – Field Notes (PDF)
- Traffic control plan for each site (PDF).
- Updated survey basemap (in AutoCAD Civil3D 2018 format)

Task 3 – Open-Cut Projects Design (2021 Construction)

The findings of Task 2 will be used to create PSE (Plans, Specification and Engineers estimate) of the open-cut project sites. This task will take the PSE through Bid ready while incorporating City and permit comments in the following sequence:

- Complete 60% plans and cost estimate for City review and to start City permitting (construction and critical areas review).
- Receive City and permit comments and incorporate into 90% plans, specification specials and cost estimate for permit issuance; submit for City and constructability review.
- Receive City comments and incorporate into Bid ready plans and specifications.

Constructability and Quality Management review will be completed at each stage prior to submittal.

City of Shoreline's Responsibilities

- City will provide input and review comments within the agreed upon schedule.

Assumptions:

- One bid package consisting of 25 to 30 separate sites for construction in 2021.
- Each open-cut site sheet will at a minimum use existing GIS and aerial photographs to document the existing condition. This will be supplemented with site photos and site visit measurements to identify the repair location and restoration needs. Topographic survey will only be included on a case by case basis.
- Sheet list is expected to include:
    - Cover sheet, traffic control notes, and general notes (3 sheets).
    - Open-Cut Plan sheets (one per site)
    - Nonstandard details (3 sheets)
- A single sheet for traffic control will include a table of site parameters and references to Standard Plans. The Contractor will develop site specific traffic control plans.
- Standard details will be included as an appendix to the specifications.
- Specifications for the City's current Division 0 and 1 will be provided by the City with 90% and Final submittals.
- Special Provisions Division 2 through 9 will be developed using the City's General Special Provisions (GSP).
- Edits to the City's Special Provisions will be based on WSDOT Standard Specifications, 2020 Edition.
- There will only be minor changes to the project design after the 90% submittal.
- Utility conflict can be resolved at the point of conflict with simple adjustment of the utilities or storm drainage locations. Relocating utilities is not included.
- Surface restoration will match existing conditions, additional roadway beyond trench overlay limits are not included.
- Pedestrian improvements are not included. Pedestrian ramps adjacent to proposed improvements will be checked by smart-level for slope compliance. Ramps requiring survey for replacement will be deferred to 2022 construction.
- Engineer's probable estimation of cost will use WSDOT Standard Bid Items (where applicable).
- No stormwater memorandums are included.
- Only one Short Form SWPPP will be required for all open-cut sites.

- No hydrological modeling is included in this task. Hydraulic modeling will be limited to pipe full-flow capacity comparisons to upstream and downstream pipes.
- City will provide review of submittals within the time agreed upon on in the schedule.
- City will acquire any necessary temporary construction easements.

Deliverables:

- 60% PS&E for City constructability review (full size PDF)
- 90% PS&E for City constructability review (full size PDF)
- Bid Ready PS&E for bidding and construction (full size PDF)

Task 4 – Small Projects Design (2021 Construction)

The Consultant will review the Small Project Drainage Assessments and available site data to provide a recommend drainage solution for each of the nine small project sites provided by the City. With City review and approval of a preferred design option, the Consultant will use the preferred option to advance the up to seven (7) sites for construction in 2021. Plan, Specification and Cost Estimate (PSE) will be submitted at the 30%, 60%, 90% and Final (Bid Ready) stages. The cost estimate will identify bid items that will require special provisions. Constructability and Quality Management review will be completed at each stage prior to submittal.

City of Shoreline's Responsibilities

- Provide CAD files for site survey and preliminary design the five sites that have been developed with plan sheet designs at work orders: 11840, 13768, 3215, 7305 and 6810.
- City will provide input and review comments on the design submittals within the agreed upon schedule.
- The City will provide a consolidated list or redline set of review comments within the timeframe shown on the agreed upon project schedule.

Assumptions:

- One bid package consisting of up to seven (7) separate small project sites for construction in 2021. This will be combined with Open-Cut Projects drawings, per Task 3.
- Sheet will be combined with Open-Cut Projects drawings, per Task 3. In addition to Task 3, the following sheets are expected to include:
    - Small Project survey sheets (6 sheets).
    - Small Project Site Preparation and TESC sheets (12 sheets).
    - Small Project Plan and profile sheets (12 sheets).
    - Details (4 sheets).
- A single sheet for traffic control will include a table of site parameters and references to Standard Plans. The Contractor will develop site specific traffic control plans.
- Two plan and profile sheets are assumed for work orders 1644, 2556, and 6810 with single sheets for the other sites. Work order 3215, from the low priority sites, with three plan and profile sheets is assumed for the seventh site.
- Hydraulic and hydrological modeling will be included for Small Project Site selected for 2021 construction.
- Standard details will be included as an appendix to the specifications.

- Specifications for Small Projects will be combined with the Open-Cut Projects Specifications. See Task 3 Assumptions.
- Edits to the City's Special Provisions will be based on WSDOT Standard Specifications, 2020 Edition.
- There will only be minor changes to the project design after the 90% submittal.
- Utility conflict can be resolved at the point of conflict with simple adjustment of the utilities or storm drainage locations. Relocating utilities is not included.
- Surface restoration will match existing conditions, additional roadway or pedestrian improvements or are not included.
- A Stormwater Memo will be submitted for each Small Project site documenting Minimum Requirements for sites that add or replace greater than 2,000 square feet of hard surface or disturb greater than 7,000 square feet. The Stormwater Memo will document modeling and conveyance analysis and GSI design parameters. Up to seven (7) Stormwater Memos are anticipated.
- Only a Short Form SWPPP will be required. One form will be provided for each small site with the 90% submittal.

Deliverables:

- Small Projects Recommend Alternatives Memorandum, (PDF)
- 30% Plans, up to nine (9) plan sheets per site for six sites
- 60% PS&E (full size PDF, Word file for specifications)
- 90% PS&E (full size PDF, Word file for specifications)
- Final Bid-Ready Submittal PS&E (CAD files and 1 full size PDF copy).
- Stormwater Site Plan Report, Draft (60%) and Final (90%) (PDF)
- Draft SWPPP, Draft (90%) and Final (Bid) (PDF)

Task 5 –Environmental Review, Permitting & Public Outreach

The Environmental Review, Permitting & Public Outreach task will include the following:

Tasks 5.1 Permits Support

Consultant will compile a summary of anticipated permits required for each of the open-cut and small project sites. The Consultant will assist the City with permit applications for sites that progress to 60% Design.

City of Shoreline's Responsibilities

- City will provide confirmation of stream boundaries for potential environmental impacts.

Assumptions:

- One (1) Summary Memorandum identifying the anticipated permitting effort and timeline for all open-cut and small project sites.
- Support for up to one (1) Hydraulic Project Approval (HPA) permit is anticipated. The HPA will be submitted by the City.
- Local permits will be completed and submitted by the City.

- All of the sites are SEPA exempt.
- A JARPA permit will not be required for any site.
- Up to 40 staff hours are included for permit support.

Deliverables:

- Permit Summary Memorandum, Draft, Final (PDF).
- HPA support documents.

Tasks 5.2 Public Outreach

Consultant will assist the City with the preparation of public outreach document to inform local property owners about the proposed improvements of this project. Documents will include project improvement graphics and project summaries for flyers.

City of Shoreline's Responsibilities

- City will be the main contact for Public Outreach.
- City will be responsible for distributing/mailing project information.
- City will take first pass at responding to addressing resident's questions.
- City will maintain a project website for the purpose of Public Outreach.
- City will notify the consultant when stakeholder coordination is needed.

Assumptions:

- Public meetings or face-to-face discussions with residents are not included in this scope.
- Up to 30 staff hours are included for public outreach support.

Deliverables:

- Project flyers , Draft, Final (PDF).

Task 6 –Construction Support (2021 Construction)

When requested by the City, the consultant will provide limited engineering services during bid and construction support for the Open-Cut and Small Projects sites. These services may include:

- Prepare and issue addenda to clarify the construction documents, if necessary.
- Attend one (1) pre-construction meeting.
- Support City Engineer in review of contractor submittals when requested.
- Response to contractors RFIs when requested.
- Site visit to review unforeseen conditions when requested.

City of Shoreline's Responsibilities

- Bid advertisement, coordination and award will be handled by the City.
- City will provide initial review of all contractor requests.
- The City will provide on-site inspection and will lead the administrating and managing of construction documents and communications with the contractor.

Assumptions:

- One consultant will attend the pre-construction meeting.
- The total number of construction support requests by the City will be limited by the budget of this task.
- No geotechnical support would be required.
- Review responses will be provided with 7-day of written request.
- Record Drawing are not included.

Deliverables:

- As requested.

Task 7 – Open-Cut Projects Design (2022 Construction)

Task for the Consultant to provide bid ready PSE's (Plans, Specification and Engineers estimate) for the remaining the open-cut project sites will be provided through a future amendment.

Task 8 – Small Projects Design (2022 Construction)

Task for the Consultant to provide bid ready PSE's (Plans, Specification and Engineers estimate) for the remaining the Small Project sites will be provided through a future amendment.

Task 9 –Construction Support (2022 Construction)

Task for the Consultant to provide limited engineering services during bid and construction support for the Open-Cut Projects Bid (2021) and Small Projects Bid (2021) sites will be provided through a future amendment.

Task 10 – Management Reserve – Contingency Fund

To provide additional services which may be required to complete these projects, and which are requested and authorized by the City. The consultant will provide the City with a scope and budget for the additional services which the City will review prior to the consultant beginning work. The City shall provide Consultant with written authorization to proceed with any additional services.

Tasks 10.1 Management Reserve

Work may include, but is not limited to addressing additional efforts required for defined tasks when authorized by the owner. The fee estimated is based on 10% of Tasks 1 through 6.

General Assumptions

- All coordination with property owners will be handled by the City.
- City will provide latest City title block and other City CAD standards.
- City will provide latest City design standards or performance requirements.

- Provide the City's current Division 0 and 1 template in Word-format for the Consultant to incorporate into the project documents.
- Provide the current City of Shoreline Special Provisions Division 2 through 9 in Word-format for the Consultant to edit.
- Flow control and water quality treatment will not be required for the stormwater improvements sites. Water quality treatment, if feasible, will be provided through optional retrofit design for the small project sites.
- On-Site Stormwater Management BMPs will not be required for stormwater improvement sites.
- The proposed improvements will be located within the City right-of-way or within existing City easements.
- Any existing encroachments in the right-of-way will be resolved by the City.
- Writing of legal descriptions and legal exhibits for additional easements will not be required.
- The proposed improvements will not require stream or wetland field investigations or critical area analysis.
- Cultural Resource documentation will not be required.
- Funding will be provided by the City, additional grant support will not be required.