

City of Redmond



Agenda

Tuesday, May 11, 2021

4:30 PM

**Remote Viewing: [Redmond.gov/rctlive](https://redmond.gov/rctlive), Facebook (@CityofRedmond),
Comcast Channel 21, Ziply Channel 34, or listen at 510-335-7371**

Committee of the Whole - Planning and Public Works

Committee Members

David Carson, Presiding Officer

Jeralae Anderson

Steve Fields

Jessica Forsythe

Varisha Khan

Vanessa Kritzer

Tanika Kumar Padhye

AGENDA

1. Approval of the Final Contract with Cadman Materials, Inc. of Redmond, WA in the Amount of \$1,982,357, and Acceptance of Construction for Willows Road Pavement Overlay, Project No. 2211715 [CM 21-194](#)

[Attachment A: Vicinity Map](#)

Department: Public Works, 5 minutes

Requested Action: Consent, May 18th

2. Award of Wastewater Pump Station 12 Replacement Project to James W. Fowler Co. in the Amount of \$2,797,311 and Approval of Consultant Supplemental Agreement 3 with BHC Consultants for Construction Engineering Support Services for the Wastewater Pump Station 12 Replacement Project to Increase the Maximum Amount Payable by \$246,964 [CM 21-172](#)

[Attachment A: Summary and Budget](#)

[Attachment B: Supplemental Agreement 3](#)

[Attachment C: Vicinity Map](#)

Department: Public Works, 5 minutes

Requested Action: Consent, May 18th

3. Acceptance of a Port of Seattle Economic Development Grant [CM 21-188](#)

[Attachment A: Grant Agreement and Scope of Work](#)

Department: Planning and Community Development, 5 minutes

Requested Action: Consent, May 18th

4. Approval of the 170th Ave NE Road Closure for Penny Lane Development Sewer Line Work [CM 21-196](#)

[Attachment A: 170th Ave NE Closure and Detour](#)

[Attachment B: Vicinity Map](#)

Department: Public Works/Planning and Community Development, 10 minutes

Requested Action: Consent, May 18th

5. Approval of the Addition of Executive Deputy Director Position to the Non-Represented Pay Plan [CM 21-169](#)

[Attachment A: Current Executive Org Chart](#)

[Attachment B: Revised Executive Org Chart With Deputy](#)

[Attachment C: Non Represented Pay Plan](#)

Department: Executive/Human Resources, 10 minutes

Requested Action: Consent, May 18th

6. Redmond Paired Watershed Study Trend Analysis Results Staff Report [CM 21-178](#)

[Attachment A: RPWS Introduction Factsheet](#)

[Attachment B: RPWS Trend Analysis Factsheet](#)

[Attachment C: RPWS Budget and Grant Funding](#)

Department: Public Works, 10 minutes

Requested Action: Staff Report, June 1st



Memorandum

Date: 5/11/2021

Meeting of: Committee of the Whole - Planning and Public Works

File No. CM 21-194

Type: Committee Memo

TO: Committee of the Whole - Planning and Public Works

FROM: Mayor Angela Birney

DEPARTMENT DIRECTOR CONTACT(S):

Public Works	Dave Juarez	425-556-2733
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DEPARTMENT STAFF:

Public Works	Jon Spangler	Construction Division Manager
Public Works	John Mork	Construction Project Manager

TITLE:

Approval of the Final Contract with Cadman Materials, Inc. of Redmond, WA in the Amount of \$1,982,357, and Acceptance of Construction for Willows Road Pavement Overlay, Project No. 2211715

OVERVIEW STATEMENT:

This project extended the service life of the pavement on Willows Road between NE 90th Street and NE 124th Street (approximately 2 miles of roadway). The project also upgraded ADA wheelchair ramps and pedestrian push buttons, installed new vehicle loop detectors and channelization, and installed conduit for a future pedestrian crossing.

☐ **Additional Background Information/Description of Proposal Attached**

REQUESTED ACTION:

☐ **Receive Information**

☐ **Provide Direction**

☒ **Approve**

REQUEST RATIONALE:

- **Relevant Plans/Policies:**
Transportation CIP
- **Required:**
Council approval is required to accept a construction contract over \$300,000 per 2018 City Resolution 1503.
- **Council Request:**
N/A
- **Other Key Facts:**
N/A

OUTCOMES:

This project has helped to preserve and maintain Redmond's street system.

COMMUNITY/STAKEHOLDER OUTREACH AND INVOLVEMENT:

- **Timeline (previous or planned):**
N/A
- **Outreach Methods and Results:**
The businesses in the immediate vicinity of the project received notices about the upcoming work and the traveling public was notified of the traffic revisions with portable message boards.
- **Feedback Summary:**
N/A

BUDGET IMPACT:

Total Cost:

Total Estimated Project Cost: \$2,692,357

Approved Budget Amount: \$3,109,099

Remaining funds will be transferred back into the Transportation CIP

Approved in current biennial budget: ☐ Yes ☒ No ☐ N/A

Budget Offer Number:

2019-2020 CIP

Budget Priority:

Infrastructure

Other budget impacts or additional costs: ☐ Yes ☒ No ☐ N/A

If yes, explain:

N/A

Funding source(s):

Transportation CIP

Budget/Funding Constraints:

N/A

☐ Additional budget details attached

COUNCIL REVIEW:

Previous Contact(s)

Date	Meeting	Requested Action
N/A	Business Meeting	N/A

Proposed Upcoming Contact(s)

Date	Meeting	Requested Action
5/18/2021	Business Meeting	Approve

Time Constraints:

Warranty start date is based on Council acceptance.

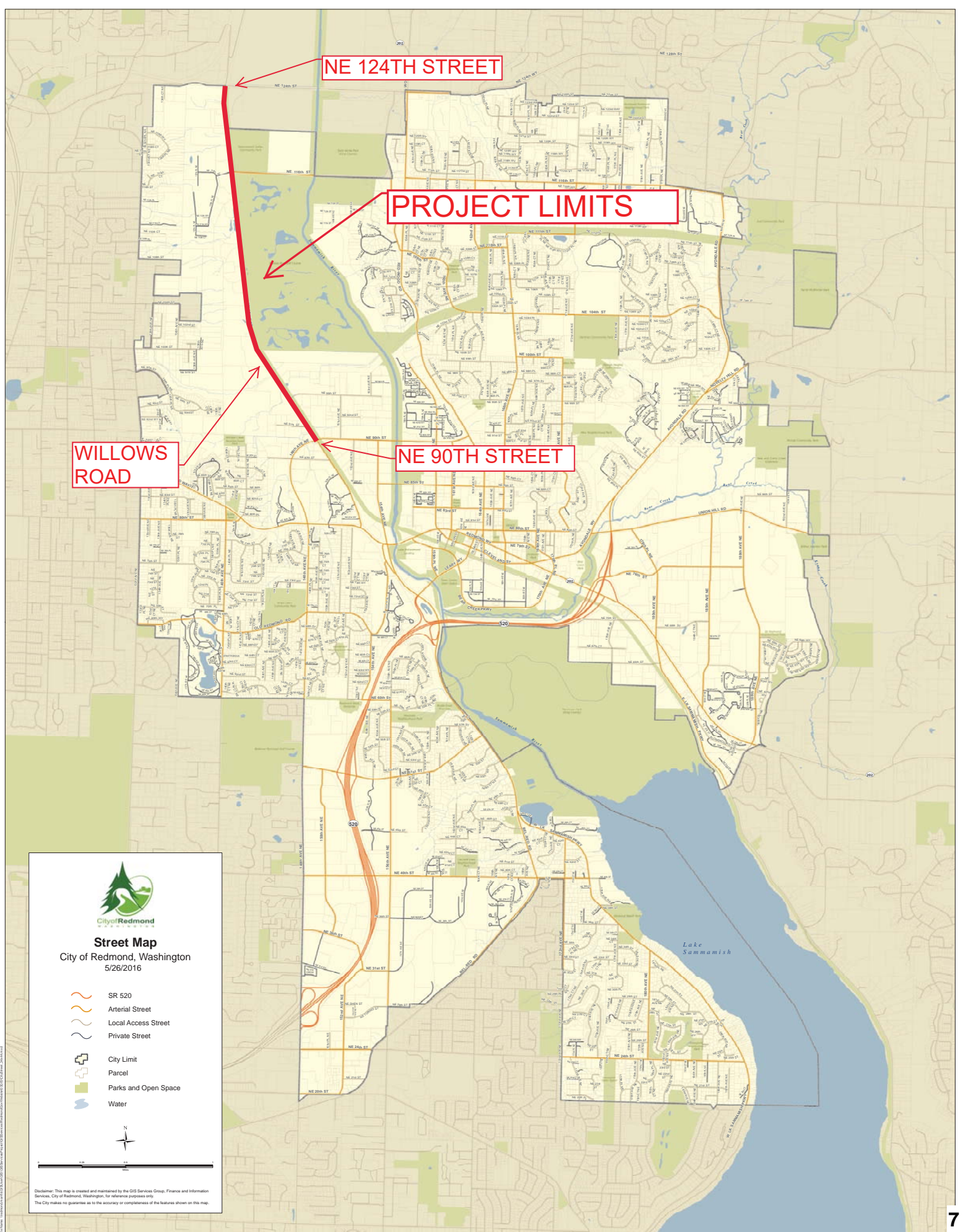
ANTICIPATED RESULT IF NOT APPROVED:

Delay in Warranty start and increased project cost due to longer close out.

ATTACHMENTS:

Attachment A: Willows Road Rehab Vicinity Map

ATTACHEMENT A. VICINITY MAP





Memorandum

Date: 5/11/2021

Meeting of: Committee of the Whole - Planning and Public Works

File No. CM 21-172

Type: Committee Memo

TO: Committee of the Whole - Planning and Public Works

FROM: Mayor Angela Birney

DEPARTMENT DIRECTOR CONTACT(S):

Public Works	Dave Juarez	425-556-2733
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DEPARTMENT STAFF:

Public Works	Mike Haley	Project Manager
Public Works	Jon Spangler	Construction Division Manager
Public Works	Steve Hitch	Interim Division Manager

TITLE:

Award of Wastewater Pump Station 12 Replacement Project to James W. Fowler Co. in the Amount of \$2,797,311 and Approval of Consultant Supplemental Agreement 3 with BHC Consultants for Construction Engineering Support Services for the Wastewater Pump Station 12 Replacement Project to Increase the Maximum Amount Payable by \$246,964

OVERVIEW STATEMENT:

This project will rebuild the aging wastewater pumping (lift) station No. 12. The reconstruction of this station will ensure continuation of sanitary sewer service to the Marymoor neighborhood will improve protection of public health and safety and increases wastewater capacity for this growing neighborhood.

All bidder's unit prices, extensions and additions have been checked for accuracy and unbalanced bid items. The contractor's references were checked and found to be acceptable. James W. Fowler Co. has successfully performed projects for other jurisdictions. Staff recommends award to James W. Fowler Co., the low responsible bidder

A supplemental consultant agreement with BHC Consultants is also needed so they can provide services to the City during construction including submittal review, response to questions from the contractor, and assistance with change orders as needed.

☒ **Additional Background Information/Description of Proposal Attached**

REQUESTED ACTION:

☐ **Receive Information**

☒ **Provide Direction**

☐ **Approve**

REQUEST RATIONALE:

- **Relevant Plans/Policies:**
N/A
- **Required:**
Council approval is required to award contracts/agreements over \$300,000 per 2018 City Resolution 1503.
- **Council Request:**
N/A
- **Other Key Facts:**
See attachment A

OUTCOMES:

This project will replace Wastewater Pump Station No. 12.

COMMUNITY/STAKEHOLDER OUTREACH AND INVOLVEMENT:

- **Timeline (previous or planned):**
Informing adjacent apartment residence and businesses of the project through the on-site apartment manager and owner building owners.
- **Outreach Methods and Results:**
Web site update to keep public informed of progress
- **Feedback Summary:**
N/A

BUDGET IMPACT:

Total Cost:

Estimated costs for the project are shown below.

Project Budget:

Wastewater CIP	\$4,170,913
Unallocated Wastewater CIP	<u>\$770,419</u>
Total Funding	\$4,941,332

Estimated Project Costs:

Design Phase	\$1,042,550
Construction Phase	<u>\$3,898,782</u>
Total Estimated Project Cost	\$4,941,332

The current project cost estimate exceeds the allocated CIP funding by \$770,419. This funding will be added from the unallocated Wastewater CIP. Due to the current construction environment in the Puget Sound region, both overall construction costs and demand for qualified contractor availability are high. While this was generally anticipated, construction pricing increased more than expected in 2020 and early 2021. The pandemic has drastically impacted the construction industry and suppliers and in doing so impacted the construction bid amount. The overall project cost estimate has increased to account for the higher than expected bid amount and to maintain adequate contingency outside of the construction contract to mitigate the risk associated with temporary construction dewatering during the pump station installation.

Approved in current biennial budget: ☒ Yes ☐ No ☐ N/A

Budget Offer Number:

Capital Improvement Program Map Number SE51

Budget Priority:

Infrastructure Priority.

Other budget impacts or additional costs: ☐ Yes ☒ No ☐ N/A

If yes, explain:

N/A

Funding source(s):

Wastewater CIP

Budget/Funding Constraints:

The current project cost estimate exceeds the allocated CIP funding by \$770,419. This funding will be added from the unallocated Wastewater CIP.

☒ **Additional budget details attached**

COUNCIL REVIEW:

Previous Contact(s)

Date	Meeting	Requested Action
10/17/2018	Business Meeting	Approve
5/21/2019	Business Meeting	Approve

Proposed Upcoming Contact(s)

Date	Meeting	Requested Action
5/18/2021	Business Meeting	Approve

Time Constraints:

Construction to occur during summer and a low ground water condition

Wastewater Pump (Lift) Station 12: start construction June of 2021

Wastewater Pump (Lift) Station 12: complete construction March of 2022

ANTICIPATED RESULT IF NOT APPROVED:

Maintenance costs for the current wastewater pump station 12 will continue to increase and accrue and construction cost inflation will increase the cost of this construction when it occurs.

ATTACHMENTS:

Attachment A: Summary and Budget

Attachment B: Supplemental Agreement with BHC Consultants
Attachment C: Vicinity Map

Project Purpose

This project will rebuild the aging wastewater pumping station No. 12. The reconstruction of this station assures continuation of sanitary sewer service to the Marymoor neighborhood served by the existing station, improves protection of public health and safety, and increases pump capacity for the sewer basin.

The increased pump station capacity has increased the project cost estimate and is planned to be covered through the unallocated funds within the Wastewater CIP. Most of the increased cost will be recovered through special connection fees assigned to each benefited property and collected at the time the property redevelops.

Background

Wastewater Pump Station No. 12 is located on the southeastern end of the East Marymoor Basin and was built in 1986. The Marymoor Subarea has been rezoned and the expected development is predicted to increase the design flow at WWPS 12 to approximately 300 gallons per minute.

Project Description

The Wastewater Pump Station No. 12 Replacement will deliver a new pump station with greater capacity to be located approximately 300ft to the north of the existing station.

The pump station 12 project design was originally initiated in 2012 as part of a package with several other sewer pump stations needing rehabilitation or replacement. The rezone of the Marymoor Subarea has required a redesign effort for this pump station in an alternative location to better fit with future use of the surrounding properties.

Bid Results

The project was advertised in the Daily Journal of Commerce on October 28, 2020, and November 04, 2020. The City Clerk received bids until 2 PM, November 12, 2020. There were two (2) bidders and the bids are summarized below:

Bidder	Business Location	Amount Bid
James W. Fowler Co.	Dallas, OR	\$2,797,310.70
Harbor Pacific Contractors, Inc.	Woodinville, WA	\$3,021,144.00
Gary Harper Construction, Inc.	Snohomish, WA	\$3,196,764.51
McClure and Sons, Inc.	Mill Creek, WA	\$3,464,782.04
Engineers Estimate		\$2,647,794.90

All bidder's unit prices, extensions and additions have been checked for accuracy and unbalanced bid items. The contractor's references were checked and found to be acceptable. James W. Fowler Co. has successfully performed projects for other jurisdictions. Staff recommends award to James W. Fowler Co., the low responsible bidder.

Fiscal: Estimated costs for the project are shown below.

Project Budget:

Wastewater CIP	\$4,170,913
Unallocated Wastewater CIP	<u>\$770,419</u>
Total Funding	\$4,941,332

Estimated Project Costs:

Design Phase	\$1,042,550
Construction Phase	<u>\$3,898,782</u>
Total Estimated Project Cost	\$4,941,332

The current project cost estimate exceeds the allocated CIP funding by \$770,500. This funding will be added from the unallocated Wastewater CIP. Due to the current construction environment in the Puget Sound region, both overall construction costs and demand for qualified contractor availability is high. While this was generally anticipated, construction pricing has significantly increased more than expected in 2019. The pandemic has drastically impacted the construction industry and suppliers and in doing so impacted the construction bid amount. The overall project cost estimate has increased to account for the higher than expected bid amount and to maintain adequate contingency outside of the construction contract to mitigate the risk associated with dewatering during the pump station installation

Supplemental Agreement Number 3		Organization and Address BHC Consultants, LLC 1601 5th Ave, Suite 500 Seattle WA 98101	
Original Agreement Number 8509		Phone: 206-505-3400	
Project Number 20021129		Execution Date	Completion Date 12/31/2022
Project Title Wastewater Pump Station No. 12 Rehab.		New Maximum Amount Payable \$ \$882,046	
Description of Work No change			

The Local Agency of City of Redmond
desires to supplement the agreement entered into with BHC Consultants, LLC
and executed on 8/30/2017 and identified as Agreement No. 8509

All provisions in the basic agreement remain in effect except as expressly modified by this supplement.

The changes to the agreement are described as follows:

I

Section 1, SCOPE OF WORK, is hereby changed to read:

See attached Exhibit A

II

Section IV, TIME FOR BEGINNING AND COMPLETION, is amended to change the date for completion of the work to read: 12/31/2022

III

Section V, PAYMENT, shall be amended as follows:

See attached Exhibit D

as set forth in the attached Exhibits, and by this reference made a part of this supplement.

If you concur with this supplement and agree to the changes as stated above, please sign in the appropriate spaces below and return to this office for final action.

By: _____

By: _____

Consultant Signature

Approving Authority Signature

Date

Exhibit A

Consultant Fee Determination

Project Name: Pump Station No. 12 - Supplement No. 3
 Project Number: 20021129
 Consultant: BHC Consultants, LLC

NEGOTIATED HOURLY RATES

Classification	Hours	DSC	Overhead 160%	Fee (Profit) 30%	Total Hourly Rate	Total
Principal-In-Charge	82	\$ 95.00	\$152.00	\$28.60	\$276	\$22,599
Project Manager	286	\$ 70.00	\$112.00	\$21.07	\$203	\$58,078
Electrical Engineer	150	\$ 82.00	\$131.20	\$24.68	\$238	\$35,682
Structural Engineer	110	\$ 76.00	\$121.60	\$22.88	\$220	\$24,252
Staff Engineer	136	\$ 41.00	\$65.60	\$12.34	\$119	\$16,176
CAD Manager	120	\$ 59.00	\$94.40	\$17.76	\$171	\$20,539
Project Assistant	124	\$ 38.00	\$60.80	\$11.44	\$110	\$13,670
Admin	30	\$ 46.50	\$74.40	\$14.00	\$134.90	\$4,047
Total Hours						1,038
					Subtotal:	\$195,043
REIMBURSABLES						
Mileage						\$672
Reproduction (copies, Mylar plots, etc.)						\$4,000
Miscellaneous						\$2,000
Subtotal:						\$6,672
SUBCONSULTANT COSTS (See Exhibit E)						
Landau						\$13,098
KPG						\$6,107
ESA						\$26,044
Subtotal:						\$45,249

GRAND TOTAL: \$246,964

EXHIBIT D

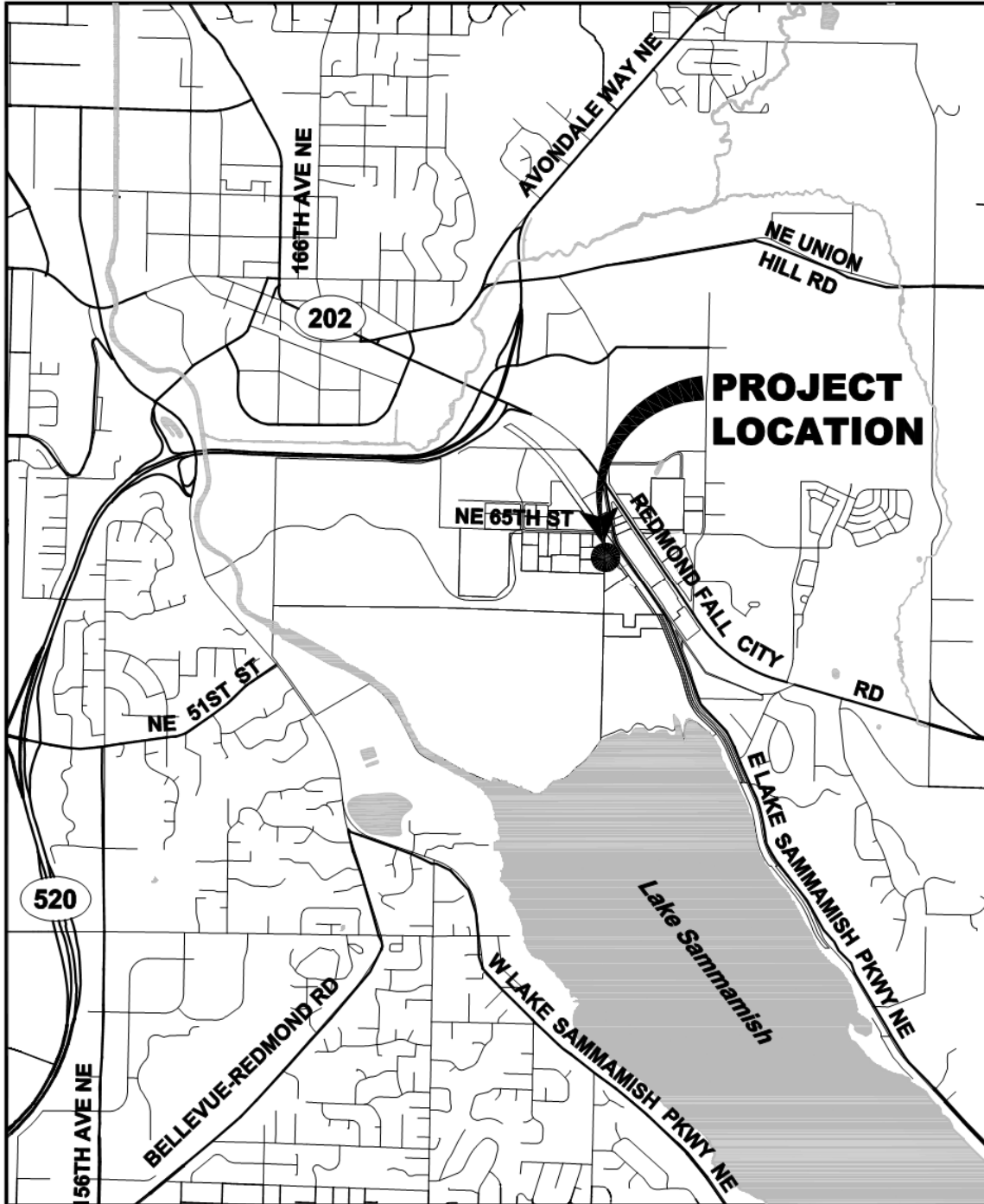
Subcontracted Work

Project Name: Pump Station No. 12 - Supplement No. 3
Project Number: 20021129
Consultant: BHC Consultants, LLC

The City permits subcontracts for the following portions of work of the Agreement:

Subconsultant	Work Description	Amount
Landau	Geotechnical	\$13,098
KPG	Landscape Architecture	\$6,107
ESA	Archaeological	\$26,044
Total:		\$45,249

VICINITY MAP:





Memorandum

Date: 5/11/2021

Meeting of: Committee of the Whole - Planning and Public Works

File No. CM 21-188

Type: Committee Memo

TO: Committee of the Whole - Planning and Public Works

FROM: Mayor Angela Birney

DEPARTMENT DIRECTOR CONTACT(S):

Planning and Community Development	Carol Helland	425-556-2107
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DEPARTMENT STAFF:

Planning and Community Development	Sarah Pyle	Community Development and Implementation Manager
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TITLE:

Acceptance of a Port of Seattle Economic Development Grant

OVERVIEW STATEMENT:

The City has worked with the Port of Seattle, Startup425, and OneRedmond to prepare an application for 2021 grant funding through the Economic Development Program offered by Port of Seattle. The application included funding requests for continued COVID-19 response, the continuation of small business retention interviews and resources (for Downtown and Overlake this year), mentorship and workshops for new entrepreneurs and a workforce development profile, and analysis of unemployment and underemployment to help define how to support training and access to opportunities for employers throughout the City. The 2021-2022 approved and adopted biennium budget offers and work plans anticipated this grant revenue and scope of work.

☐ **Additional Background Information/Description of Proposal Attached**

REQUESTED ACTION:

☐ **Receive Information**

☒ **Provide Direction**

☐ **Approve**

REQUEST RATIONALE:

- **Relevant Plans/Policies:**
 - Comprehensive Plan policies EV-4, EV-8, EV-13, EV-14, EV-19, EV-20 and EV-21.
 - Long-Term Recovery Plan (August 2020): Principles of Recovery section on page 15, Current Conditions section on page 28 and economic development Recovery Strategies as listed on pages 81 and 82.
- **Required:**
N/A
- **Council Request:**
N/A

- **Other Key Facts:**

The partnership between the City of Redmond and the Port of Seattle began in 2016 with the inception of the Port's Economic Development Partnership Program. Since that time, with the Port's support, the City and our local partners have been able to support the business development of more than 2000 individuals and recruit new employers that make investments in the community. This partnership also provides backend support such as responding and analyzing regional issues affecting our small businesses, support businesses during times of crisis and identify and mitigate (where possible) the impacts of redevelopment.

OUTCOMES:

Over the next six months, the City of Redmond will work collaboratively with our partners at OneRedmond, the Greater Seattle Partners, StartUp425, and Innovation Triangle. This collaboration's goal is to implement the activities included in the Scope of Work identified in Attachment A. The Scope of Work is anticipated to serve hundreds of businesses through cultivating entrepreneurship, continued pandemic support; as well as, increase traffic to small businesses and respond to unemployment/underemployment within the community as a result of COVID-19.

COMMUNITY/STAKEHOLDER OUTREACH AND INVOLVEMENT:

- **Timeline (previous or planned):**

N/A

- **Outreach Methods and Results:**

N/A

- **Feedback Summary:**

N/A

BUDGET IMPACT:**Total Cost:**

The grant is for \$60,000.00 and will be matched by the City through activities already funded and adopted within biennial budget. No additional or new costs to the City will be incurred.

Approved in current biennial budget:

☒ **Yes**

☐ **No**

☐ **N/A**

Budget Offer Number:

000250 - Community and Economic Development

Budget Priority:

Vibrant and Connected Community

Other budget impacts or additional costs:

☐ **Yes**

☒ **No**

☐ **N/A**

If yes, explain:

N/A

Funding source(s):

Grant and General Fund

Budget/Funding Constraints:

The 2021-2022 approved and adopted biennial budget offers and workplans anticipated this grant revenue and scope of work.

☐ **Additional budget details attached**

COUNCIL REVIEW:

Previous Contact(s)

Date	Meeting	Requested Action
N/A	Item has not been presented to Council	N/A

Proposed Upcoming Contact(s)

Date	Meeting	Requested Action
5/18/2021	Business Meeting	Approve

Time Constraints:

Activities associated with this grant may not commence until the Agreement has been approved by City Council and signed by the Mayor. All activities must be completed by October 31, 2021.

ANTICIPATED RESULT IF NOT APPROVED:

If the agreement is not approved, Redmond will not receive the additional \$60,000 in funding and support to enhance our economic development efforts and aid in our COVID-19 small business response and recovery work.

ATTACHMENTS:

Attachment A: Grant Agreement and Scope of Work

ECONOMIC DEVELOPMENT PARTNERSHIP AGREEMENT**BETWEEN****THE PORT OF SEATTLE AND CITY OF REDMOND****S-00320665**

This Economic Development Partnership Agreement (the "Agreement") is made by and between the Port of Seattle (the "Port") and the City of Redmond ("Agency"), both municipal corporations of the State of Washington (each, a "Party" or, collectively, the "Parties").

RECITALS

WHEREAS, engaging in the promotion of economic development is a recognized Port purpose authorized under RCW 53.08.245; and

WHEREAS, RCW 35.21.703 similarly authorizes cities to engage in economic development programs; and

WHEREAS, RCW 53.08.240(2) permits the Port to contract with another municipality to perform such undertakings each is authorized to perform; and

WHEREAS, the Port Commission of the Port of Seattle established the Economic Development Partnership Program (the "Program"), to advance the Port's Century Agenda, promote a dramatic growth agenda, support the creation of middle class jobs and help address the lack of economic development funding for local projects; and

WHEREAS, grant funding across the region is very limited for cities that want to pursue economic development projects or initiatives, and Washington State has not had an economic development grant program for over 20 years; and

WHEREAS, the Program will provide 38 King County cities per capita funding to advance local economic development throughout the region, and requires a 50% local match by the cities that receive the grants; and

WHEREAS, the Program will help the Port advance regional economic vitality through focused partnerships with King County cities; and

WHEREAS, the Program will make grants to cities that pursue programs and projects that stimulate business development, job creation and community revitalization, such as small business development, industry retention and expansion, and other economic development projects that support new investment and job creation;

NOW, THEREFORE the parties agree as follows:

1. Purpose. The purpose of this Agreement is to establish a contractual arrangement under which the Port will pay the Agency Program funds in the amount set forth on Section 2 solely for the purpose of carrying out the local initiative described in Exhibit A, attached and incorporated hereto by this reference

(the "Project"). This Agreement shall be interpreted in furtherance of this purpose.

2. Responsibilities of the Port. The Port shall contribute Sixty Thousand and 00/100 Dollars (\$60,000.00) (the "Grant Funds") to assist the Agency in funding the Project. The Port shall disburse the Grant Funds to the Agency no later than thirty (30) days after receipt of a complete and correct invoice(s) detailing those Project deliverables completed in accordance with Exhibit A.
3. Responsibilities of the Agency.
 - 3.1 The Agency shall contribute local funds equivalent to at least fifty percent (50%) of the Grant Funds towards the Project.
 - 3.2 The Agency may contract with local non-profits to complete the Project or elements of the Project; *provided*, that the Port shall not, under any circumstance, disburse the Grant Funds to any of the Agency's contractors or subcontractors.
 - 3.3 The Agency shall complete the Project by December 31, 2021.
4. Term. This Agreement shall become effective as of the date the Port executes this Agreement and shall terminate on December 31, 2021, unless earlier terminated under another provision of this Agreement.
5. Termination for Convenience. The Port may terminate this Agreement at any time for any reason, by giving the Agency thirty (30) days' written notice. In the event the Agency has completed any portion of the Project by the time it receives the Port's notice of termination, the Port shall pay the Agency the percentage of the Grant Funds attributable to the Agency's completed portion of the Project.
6. Termination for Default. Except in the case of delay or failure resulting from circumstances beyond the control and without the fault or negligence of the Agency, the Port shall be entitled, by written or oral notice to the Agency, to terminate Agreement for breach of any of the terms and to have all other rights against the Agency by reason of the Agency's breach as provided by law.
7. Waiver. Failure at any time of the Port to enforce any provision of this Agreement shall not constitute a waiver of such provision or prejudice the right of the Port to enforce such provision at any subsequent time. No term or condition of this Agreement shall be held to be waived, modified or deleted except by a written amendment signed by the Parties
8. Partial Invalidity. If any provision of this Agreement is or becomes void or unenforceable by force or operation of law, all other provisions hereof shall remain valid and enforceable.
9. Indemnification and Hold Harmless Agreement. The Agency shall defend, indemnify, and hold harmless the Port, its Commissioners, officers, employees, and agents (hereafter, collectively, the "Port") from all liability, claims, damages, losses, and expenses (including, but not limited to attorneys' and consultants' fees and other expenses of litigation or arbitration) arising out of or related to the fulfillment of this Agreement; *provided*, however, if and to the extent that this Agreement is construed to be relative to the construction, alternation, repair, addition to, subtraction from, improvement to, or maintenance of, any building, highway, road, railroad, excavation, or other structure, project, development, or improvement attached to real estate, including moving or demolition in connection therewith, and therefore subject to Section 4.24.115 of the Revised Code of Washington, it is agreed that where such liability, claim, damage, loss or expense arises from the concurrent negligence of (i) the Port, and (ii) the Agency, its agents, or its employees, it is expressly agreed that the Agency's obligations of indemnity under this paragraph shall be effective only to the extent of the Agency's negligence. Such obligations shall not be construed to negate, abridge, or otherwise reduce any other right or obligation of indemnity which would otherwise exist as to any person or entity described in this paragraph. This paragraph shall not be construed so as to require the Agency to defend, indemnify, or hold harmless the Port from such claims, damages, losses or expenses caused by or resulting from the sole negligence of the Port.

In any and all claims against the Port, by any employee of the Agency, its agent, anyone directly or indirectly

employed by either of them, or anyone for whose acts any of them may be liable, the indemnification obligation of this paragraph shall not be limited in any way by any limitation on the amount or type of damages compensation benefits payable by or for the Agency, or other person under applicable industrial insurance laws (including, but not limited to Title 51 of the Revised Code of Washington), it being clearly agreed and understood by the Parties hereto that the Agency expressly waives any immunity the Agency might have had under such laws. By executing this Agreement, the Agency acknowledges that the foregoing waiver has been mutually negotiated by the parties.

The Agency shall pay all attorneys' fees and expenses incurred by the Port in establishing and enforcing the Port's right under this paragraph, whether or not suit was instituted.

10. Comply with All Laws. The Agency shall at all times comply with all federal, state and local laws, ordinances and regulations, including but not limited to all environmental laws, which in any manner apply to the performance of this Agreement.
11. Integration. This Agreement, together with the attached Exhibit A, constitutes the entire agreement between the Parties and unless modified in writing by an amendment executed by the Parties, shall be implemented only as described herein.
12. Governing Law and Venue. This Agreement shall be governed by the laws of the State of Washington. Any action arising out of this Agreement shall be brought in King County.
13. No Employment Relationship Created. The Parties agree that nothing in this Agreement shall be construed to create an employment relationship between the Agency and the Port.
14. No Entity Created. The Parties agree that nothing in this Agreement shall be construed to create a joint entity between the Agency and the Port.
15. Notices. Notices to the Port shall be sent to the following address:

Port of Seattle
Economic Development Division
P. O. Box 1209
Seattle, WA 98111

Notices to the Agency shall be sent to the following address:

City of Redmond
15670 NE 85th Street
Redmond, WA 98052

16. Audits and Retention of Records. The Agency in and make all books, records and documents (the "Records") relating to the performance of this Agreement open to inspection or audit by representatives of the Port or Washington State during the term of this Agreement and for a period of not less than six (6) years after termination of the Agreement; *provided*, that if any litigation, claim or audit arising out of, in connection with or related to this Agreement is initiated, the Agency shall retain such Records until the later of

(a) resolution or completion of litigation claim or audit; or (b) six (6) years after the termination of this Agreement.

17. Amendment. This Agreement may only be amended by written agreement of the Parties.

18. Dispute Resolution. The Parties shall use their best, good faith efforts to cooperatively resolve disputes that arise in connection with this Agreement.

IN WITNESS WHEREOF, the Parties hereto have executed this agreement as of the date first set forth above.

PORT OF SEATTLE

By: Connie Davis
Buyer

Signature

Date

CITY OF MERCER ISLAND

By:

Signature

Date

Background:

1. **Project Description:** Summarize the project(s) you plan to implement and explain how project(s) address COVID-19 economic issues in your city. Include a brief description of the project goal(s) and summary of COVID-19 economic impacts being addressed.

A. Continuation of Displaced Business Walk Program:

In the 2019/2020 planning year, an outreach program was proposed and developed to meet in person with businesses affected by redevelopment and construction in Redmond, particularly in areas to be impacted by light rail construction. Due to COVID-19, this program evolved into also hand-distributing free PPE and a resource packet to the businesses visited and fielding any federal grant program questions. From June-October 2020, OneRedmond and SBDC staff reached out to and/or met with over 100 businesses in the Marymoor area of the city, which was mainly comprised of light industrial and small service firms. During these walks, SBDC and OneRedmond staff provided business owners and staff with tailored assistance based on their specific questions and needs and surveyed them on how they were doing and what additional resources they wanted and concerns they had. In spring/summer/fall of 2021 the OneRedmond staff would like to target the Overlake and Downtown Redmond areas, as well as potentially additional areas, with a goal of visiting 150 businesses and delivering PPE and a package of resource, as well as surveying these companies to learn how they are doing. A report summarizing findings at the conclusion of the business walk season would be done.

B. New Business Ambassador Program:

The CARES Act funds supported businesses that had been in operation before March 2019. Due to this qualification requirement, new businesses established after that time did not qualify for support. This new program would seek to identify new businesses once their business license or Certificate of Occupancy is filed and visit them one-on-one to learn about their new business and convey information about City, Regional, State, Port and Federal resources available to them. In addition, staff would visit businesses that opened after March 2019 and especially after January 2020, as those businesses began operations just as COVID-19 began and were not eligible for many of the grant opportunities available.

It is likely that a number of these companies were started by minorities, females or Veterans, and ensuring staff reaches these new businesses and connects them with the resources that will assist them and support them in sustaining through the pandemic. In addition to staff costs, funding could be allocated to offer free marketing of these businesses through various avenues.

This program is separate from the Business Walk Program which rolled out in the spring of 2020 and is aimed at existing businesses that may be affected by displacement by light rail initiatives.

C. A Workforce Development Analysis:

This project would aim to achieve two goals at once: answer the question for City of Redmond leadership of what impact COVID-19 had on city residents in terms of number unemployed or underemployed residents. Included in this analysis would ideally be a survey or analysis of recently graduated high school and college students to determine how many are un-or-underemployed. This commissioned report would also address how to identify underemployed residents and/or graduating high school students and how to upskill/train them for existing local jobs in the public and private sector (such as City of Redmond and Port of Seattle jobs).

The second goal would be to begin developing a small pilot workforce development program to include identifying City of Redmond jobs that will be vacated due to attrition over the next 1-5 years and investigate how to marry underemployed/unemployed City residents into these critical local government jobs.

If the Port of Seattle identified job opportunities, these positions and skillsets could potentially be incorporated into the pilot program plan as well.

D. Fuel the Dragon Business Retention and Marketing Assistance:

This program would enhance and expand the existing Fuel the Dragon Passport program with more dollars available for marketing of the program to consumers. The purpose of this program is to drive business to Redmond restaurants through family-friendly fun and engaging programming and entertainment. During the summer 2020 season, over 175 businesses were engaged, and the event generated an estimated \$8,000 in direct revenue for those businesses and additional dollars in free advertising.

In 2021, OneRedmond will continue to build on the 2020 efforts with more community connections made through new partnerships with Microsoft Human Resources Department and YelpWashington.

To assist with this reach and through social media, additional dollars for this program would create short videos for small businesses who do not have the funding to create marketing videos for their products or services.

E. StartUp425

Startup 425 is a regional economic development partnership designed to support entrepreneurs and small businesses, foster sustained economic growth, and create jobs. It is an initiative of five Eastside cities, Bellevue, Kirkland, Issaquah, Redmond, and Renton, who all entered into an Interlocal Agreement in 2019 following three years of collaboration.

Startup 425 currently offers 12 workshops (originally 42 separate sessions in area libraries and now virtual) over two sessions, spring and fall, for a 100-level 'Foundations of Business' series. These workshops are free to all, seeking to expand access and business ownership to diverse and underserved communities. Classes consistently are primarily populated by women and non-white attendees, and most attendees represent a new or 'soon to be started' business. Classes are often taught by SCORE volunteers such as preparing a business plan, marketing, finance, and networking. In recent sessions, a survey of past attendees recommended sessions on directing remote teams and also cybersecurity. These topics were added to the most recent

session in 2020. There were 276 registrants for the program which has been archived for future viewing. Startup 425 also offers a 200-level 'Small Business Essentials' series (a 'deeper dive' into fundamentals of business) at an Eastside co-working space. That program fielded 58 registrants. Both programs are scheduled for 2021. The program has also become essential in supporting small businesses and entrepreneurs alike during the pandemic through the offering of 1:1 advising and loan packaging for available emergency funding during the pandemic. Additionally, the program helps make connections to other partners on the eastside that can assist in creating updated businesses plans and policies that meet reopening restrictions and safety protocols. This work is essential to the future, as we enter recovery, entrepreneurs will be more important than ever, their innovativeness and passion will help drive our communities forward and deepen local investment.

2. **Brief Description Bullets:** Summarize the complete scope of work and goals briefly using 2 - 4 bullets. Please keep each bullet to 1 or 2 sentences. These bullets are meant to be a very brief synopsis the project(s) the Port of Seattle is funding in each city and may be used to describe each city's project(s) to the Port of Seattle Commission, to the public, and with local media.
 - **Displaced Business Walk Program:** Meet in person with affected businesses to learn about their specific needs and impacts of light rail/COVID, etc. and provide businesses with hardcopy information, contacts and resources to help with their questions and business needs.
 - **New Business Ambassador Program:** Identify and reach out to all new businesses in Redmond as of March 2019, listen to and document their experiences as new businesses to the area, interests and concerns. Help connect them to the right resources for their needs.
 - **Workforce Development Analysis:** Fund a report that analyses the unemployment and underemployment statistics for the City of Redmond to determine how best to identify and connect with the under and unemployed population, both adults and graduated high school and college students.
 - **Business Retention and Marketing Assistance:** Drive additional client traffic to small businesses in Redmond through safe, fun and family-friendly programming.
 - **Startup 425:** A collaborative effort to expand entrepreneurship opportunities across Eastside Communities by providing access to tools to help businesses go from an idea to a successful and sustainable outcome.
3. **Project Scope of Work:** Outline project title or components, economic impacts of COVID-19 the project is addressing, project goals, project deliverables, and metrics (measurable outcomes) using the table below. View Appendix B for sample metrics, measures of success, and data sources. The table is used in the agreement between the Port of Seattle and each city.

Project title or component:	COVID-19 Economic Impacts:	Project goal(s):	Project deliverable(s) and estimated completion:	Metrics (measurable outcomes):
Continuation of Displaced Business Walk Program	<ul style="list-style-type: none"> • Small businesses closures. • Layoffs/furlough of staff. • Cost of doing business has increased. • Drop in revenue/increase in debt. • Issues with credit, lease payback • Struggle to keep up financial resources rules and news 	<ul style="list-style-type: none"> • To visit in person 150+ small businesses to learn how they are doing and what they need help with. • Provide 150+ packets of informational resources to each business met with. • To answer any questions and connect businesses with the answers and people they need. 	<ul style="list-style-type: none"> • All Outreach completed by October 2021 • Final report complete by November 2021 	<ul style="list-style-type: none"> • Number of businesses reached out to. • Number of businesses met with in person. • Number of businesses received follow-up support. • Report summarizing the success of the program. • Number of businesses supported through BDC guidance (if allowed to pull that info from SBDC – may be considered confidential)
Business Retention and Marketing Assistance	<ul style="list-style-type: none"> • Challenge to attract customers, particularly to restaurants and retail. • Difficult and expensive to do impactful marketing while running small business. • Difficult to attract attention and differentiate to small businesses during this time without extensive social media activity. 	<ul style="list-style-type: none"> • Continue to create family-friendly and fun programming to draw attention and customers to Redmond small businesses. • Enhance the Fuel the Dragon passport game marketing efforts to attract more customers to participating businesses. • Produce and Drive social media and videos that promote small businesses and highlight their product and services. 	<ul style="list-style-type: none"> • Program will be from July through August 2021. • Video production completed in June 2021. • Completion of event by September 2021 	<ul style="list-style-type: none"> • Number of businesses receiving marketing assistance. • Jobs associated from assistance. • Number of views, web impressions, and passport downloads. • Report summarizing program successes. • Estimated revenue to small businesses through program efforts.
New Business Ambassador Program	<ul style="list-style-type: none"> • Business opened after March 2019 received little to no federal, state or local financial aid. • New businesses are struggling to gain 	<ul style="list-style-type: none"> • Reach out to and/or meet with as many new Redmond businesses as possible that started after March 2019. • Listen to their 	<ul style="list-style-type: none"> • Completion by September 2021 • Report complete October 2021. 	<ul style="list-style-type: none"> • Number of businesses reached out to. • Number of businesses met with in person. • Number of businesses received follow-up support. • Report summarizing the success of the program.

	<p>foothold/recognition in community.</p> <ul style="list-style-type: none"> New businesses are struggling to identify tools and resources that could help them while trying to start, run and maintain their new business. 	<p>concerns, answer questions, and connect them to the people, tools and resources they need.</p>		<ul style="list-style-type: none"> Number of businesses supported through BDC guidance (if allowed to pull that info from SBDC – may be considered confidential) Number of businesses that received StartUp425 or SCORE support.
Workforce Development Analysis	<ul style="list-style-type: none"> Creation and exasperation of unemployment and underemployment issues. Possible reduction of students attending vocational schools to then fill pipeline of needed local jobs. Potential lack of job opportunities for new high school, vocational and college. 	<ul style="list-style-type: none"> Develop analysis of the under and unemployment issues in the City of Redmond. Identify best ways to reach that population to communicate opportunities. Analysis of City of Redmond future attrition issues and job functions and skills sets that will need to be filled. Begin collecting information on the types of certifications and skillsets needed for future job vacancies. 	<ul style="list-style-type: none"> Completion of all analyses by September 2021. Next Step Report drafted by October 2021. 	<ul style="list-style-type: none"> Underemployment/Unemployment Analysis completed. Identification techniques to reach this population identified. Analysis of existing City of Redmond positions that will need to be filled in next 5-10 years completed. Analysis of certifications and skills needed to fill Redmond jobs completed. Next Steps Report drafted.
StartUp425	<p>Offer foundational classes to new and existing entrepreneurs</p> <p>Respond to the COVID-19 crisis by providing assistance to regional businesses</p>	<ul style="list-style-type: none"> Foundations Seminars (30 students per Spring/Fall session) Small Business Essentials workshops (4 students – Summer) Boost Your Business (virtual bootcamp – 300 registrants, 40 vendors, 1-3 workshops – Summer/Fall) Recruit business advisors and mentors 	<ul style="list-style-type: none"> October 2021 	<ul style="list-style-type: none"> Seat full complement of participating businesses Fully staff support system of mentors and advisors Evaluation of website metrics Evaluation of outreach and communications efforts

		<ul style="list-style-type: none"> • Maintain website that provides information and resources e.g. What's Open Eastside interactive geospatial map of Eastside Businesses • Continue outreach to increase knowledge and awareness of ongoing services available to aid entrepreneurs and small business in regional recovery 		
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4. **Connection to Port of Seattle interests:** Explain how your project benefits the Port of Seattle and ties to the Port's business interests?

*Port business interests tie closely to the health of aviation, maritime/ logistics, manufacturing, and construction/ trades clusters. Tourism is another important industry to the Port of Seattle.

- A. Continuation of Displaced Business Walk Program: This program is tied to economic recovery from COVID-19 and supporting local businesses that may utilize the Port of Seattle for product shipment. Information about the Port of Seattle can be included in Resource Package distributed to businesses.
- B. New Business Ambassador Program: This program is tied to economic recovery from COVID-19 and supporting local businesses that may utilize the Port of Seattle for product shipment. Information about the Port of Seattle can be included in Resource Package distributed to businesses.
- C. Workforce Development Analysis: This program is tied to workforce development and the continued efficient operations of City of Redmond government. Based on the success of this pilot program, it could be expanded to help support a workforce pipeline for the Port of Seattle as well.
- D. Business Retention and Marketing Assistance: This program is tied to economic recovery, tourism, and placemaking.
- E. StartUp425: The work of Startup 425 benefits the Port of Seattle and aligns with its business interests. This entity will recruit new ICT companies to the region while creating and growing companies locally. Specific benefits to the Port are as follows:
 - Support and education of women and minority-owned business enterprises
 - Offer training and business opportunities for local business in trade, travel, and logistics, etc.
 - Increase exports from King County
 - Establish and maintain the Puget Sound as a technology hub
 - Increase business travel at SeaTac
 - Nurture small businesses that could become qualified vendors for the Port's construction and goods and services programs.

5. **Project Budget:** Identify each project budget category, total funds (including the monetary value of in-kind resources), Port of Seattle funds and City monetary and in-kind matching funds. Include the total funds from each column in the second to last row. Include the percentage contributions to the Port of Seattle's contribution in the last row. This table is used in the agreement between the Port of Seattle and each city.

Project:	Project Category (Please select one of the categories provided)	Port of Seattle Funds Awarded:	City Monetary Matching Funds:	City In-kind Matching Funds:	Total Funds (Including In-Kind):
Project 1: Continuation of Displaced Business Walk Program	Small Business Assistance	\$12,000	\$25,000	\$0	\$37,000
Project 2: New Business Ambassador Program	Small Business Assistance	\$10,000	\$10,000	\$0	\$20,000
Project 3: Workforce Development Analysis:	Workforce Development	\$18,000	\$0	\$0	\$18,000
Project 4: Business Retention – Assistance with Marketing	Buy Local/ Placemaking	\$5,000	\$5,000	\$0	\$10,000
Project 5: StartUp425	Small Business Assistance and Covid-19 Response	\$15,000	\$0	\$0	\$15,000
Total Funds:		\$60,000	40,000	\$0	\$100,000
Percentage contribution to Port Funds*:		100%	66%	0%	

*City monetary and in-kind matching funds must add up to at least 50% of the Port of Seattle funds awarded. In-kind resources can only be used for up to 25 percent of the grant award amount. See program guidelines for more details.

Note: Please submit all 2021 invoices with the Budget and Expenditure Excel report. As part of the application, please fill out the budget "Project Budget" (sheet 1) in the Excel worksheet. An image of the Excel worksheet is included below.

6. **Collaboration with partners:** Please identify any community organizations (chamber of commerce, neighborhood associations, Small Business Development Centers, SCORE, Greater Seattle Partners, etc.) you plan to work with to complete all or part of your project(s)?

Programs will be executed through collaboration with five Eastside cities, OneRedmond, the King County Library System (KCLS), the Small Business Development Center (SBDC), the Small Business Administration (SBA), the Service Corps of Retired Executives (SCORE), the Greater Seattle Partners (GSP), Bellevue College, Washington State Office for Regulatory Innovation and Assistance, and many others.

7. **Use of consultants or contractors:** If you plan to use consultants or contractors to complete all or part of the project, please identify the firm or type of firm you plan to hire for this project.
- The City will be partnering directly with OneRedmond for the administering of Projects A to E in support of Redmond small businesses.
 - Project F will be administered by the City of Kirkland through an interlocal agreement.

Contact Information

City: City of Redmond

Federal Tax ID: 91-6001492

Address: City of Redmond
15670 NE 85th Street
Redmond, WA 98052

Contact Name: Sarah Pyle
Title: Community Development and Implementation Manager
Email: spyle@redmond.gov
Telephone: 425-556-2426

Alternate Contact:

Title:
Email:
Phone:



Memorandum

Date: 5/11/2021

Meeting of: Committee of the Whole - Planning and Public Works

File No. CM 21-196

Type: Committee Memo

TO: Committee of the Whole - Planning and Public Works

FROM: Mayor Angela Birney

DEPARTMENT DIRECTOR CONTACT(S):

Public Works	Dave Juarez	425-556-2733
Planning and Community Development	Carol Helland	425-556-2107

DEPARTMENT STAFF:

Planning and Community Development	Jason Lynch	Assistant Director of Development Services
Planning and Community Development	Joe Johnson	Construction Inspection Supervisor
Public Works	Paul Cho	Traffic Operations Manager
Public Works	Adnan Shabir	Senior Engineer

TITLE:

Approval of the 170th Ave NE Road Closure for Penny Lane Development Sewer Line Work

OVERVIEW STATEMENT:

170th Ave NE between NE 80th St. and Penny Lane is a low volume local access roadway. Closing the roadway will allow for the sewer work to be completed faster, more efficiently, and with less disturbance to residents.

This request is for a road closure of 24 hours per day for up to 30 calendar days from the date of this approval. Construction activity would take place between 7AM-7PM Monday through Friday with potential of Saturday work.

☐ **Additional Background Information/Description of Proposal Attached**

REQUESTED ACTION:

☐ **Receive Information**

☒ **Provide Direction**

☐ **Approve**

REQUEST RATIONALE:

- **Relevant Plans/Policies:**
N/A
- **Required:**
Council approval is required for full road closures

- **Council Request:**

N/A

- **Other Key Facts:**

Current operation is slow and very disruptive to residents. Increasing the efficiency of the operation will diminish disruption to residents by reducing total working days. The Contractor has already started this work and must spend time at the end of the day preparing the site for through traffic and must also take time at the beginning of the day preparing the site for construction work. Both actions result in greatly reducing the number of work hours specifically devoted to the actual sewer work. With the prospect of longer than expected construction and the noise associated with cars running over steel plates the residents support this request

OUTCOMES:

Closing the roadway will greatly increase the efficiency of the sewer line installation work and reduce the overall days to complete the work.

COMMUNITY/STAKEHOLDER OUTREACH AND INVOLVEMENT:

- **Timeline (previous or planned):**

Informing adjacent residents of the road closure.

- **Outreach Methods and Results:**

Notification to adjacent residents of the road closure will go out if this request is approved. Traffic alert notifications will go out through the City's traffic alert map.

Detour signage will be placed directing motorists to alternate routes, access to residents will be maintained.

- **Feedback Summary:**

N/A

BUDGET IMPACT:

Total Cost:

N/A

Approved in current biennial budget:

☐ Yes

☐ No

☒ N/A

Budget Offer Number:

N/A

Budget Priority:

N/A

Other budget impacts or additional costs:

☐ Yes

☐ No

☒ N/A

If yes, explain:

N/A

Funding source(s):

N/A

Budget/Funding Constraints:

N/A

☐ **Additional budget details attached**

COUNCIL REVIEW:

Previous Contact(s)

Date	Meeting	Requested Action
N/A	Item has not been presented to Council	N/A

Proposed Upcoming Contact(s)

Date	Meeting	Requested Action
5/18/2021	Business Meeting	Approve

Time Constraints:

The deep excavation for the sewer line requires it to be done during dry summer months. Contractor has also started the sewer work with limited work hours per day with the sewer bypassed via a temporary pipe. It will be important to complete the sewer connection and disconnect temporary bypass lines to reduce risk of sewer leaks.

ANTICIPATED RESULT IF NOT APPROVED:

Increased working days for work completion would result in additional disruption to residents and require use of the temporary sewer line for longer duration. A full road closure also ensures vehicular traffic is prohibited in the work zone, reducing noise and risk to the Public.

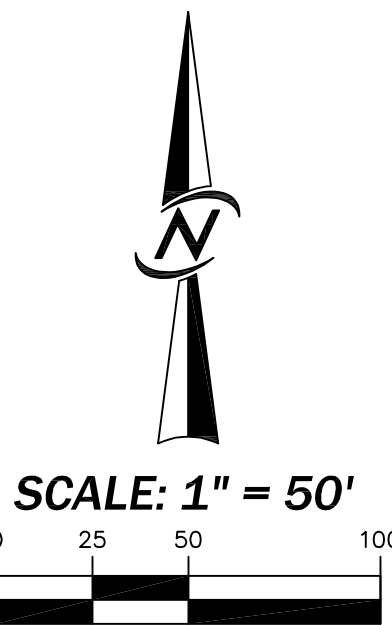
ATTACHMENTS:

Attachment A: 170th Ave NE Closure and Detour
Attachment B: 170th Ave NE Closure Vicinity Map

170 AVE NE
CLOSURE/DETOUR PLAN

Road Closure for 24 hours a day
for 30 calendar days from date of
council approval. Construction
Activity limited to Monday- Friday
7AM-7PM with potential for
Saturday work with prior
approval.

Install no parking signs
72 hours in advance. Do
not block spaces before
necessary and have
closure time and date
on the signs.



GENERAL NOTES

1. DETOUR SIGNAGE SHALL BE INSTALLED PRIOR TO ROAD CLOSURE.
2. DETOUR SIGNAGE SHALL BE REMOVED UPON REOPENING OF ROADWAY.
3. ALL TEMPORARY AND DETOUR SIGNAGE SHALL COMPLY WITH MUTCD.
4. ROAD CLOSURE SHALL BE FOR CONSTRUCTION OF SEWER, UNLESS OTHERWISE APPROVED BY THE CITY OF REDMOND.
5. SIGN PLACEMENT IS APPROXIMATE. SIGNS MAY BE PLACED TO ACCOMMODATE DRIVEWAYS AND SIGHT DISTANCE OBSTRUCTIONS.
6. CONTRACTOR SHALL ALERT AFFECTED RESIDENTS AND BUSINESSES 7 CALENDAR DAYS IN ADVANCED OF START OF WORK.
7. PEDESTRIAN PATH AND DETOUR SHALL BE MAINTAINED DURING THE DURATION OF CLOSURE.

Police Contact for roadway closures:
Steve Lincoln 425-556-2572
slincoln@redmond.gov

Fire contact for roadway closures:
redmondfire@redmond.gov

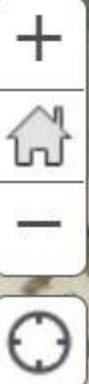
Notify businesses and residents
one week in advance of possible
driveway and parking disruptions.

LEGEND	
PROPOSED CLOSURE AREA	
DETOUR SIGNAGE	
TYPE 3 BARRICADE	
PROPOSED VEHICULAR DETOUR	
PROPOSED PEDESTRIAN DETOUR	

SIGN LEGEND				
	SIGN CODE	SIGN SIZE	DESCRIPTION	MOUNT
	CUSTOM-A	48"WX30"H	ORANGE BACKGROUND BLACK LETTERS BLACK BORDER	4X4 WOOD POST
	CUSTOM-B	48"WX30"H	ORANGE BACKGROUND BLACK LETTERS BLACK BORDER	4X4 WOOD POST
	R11-4	60"WX30"H	WHITE BACKGROUND BLACK LETTERS BLACK BORDER	4X4 WOOD POST
	M4-10	48"WX18"H	BLACK BACKGROUND BLACK LETTERS ORANGE ARROW	4X4 WOOD POST
	R9-10	24"WX12"H	WHITE BACKGROUND BLACK LETTERS BLACK ARROW BLACK BORDER	A-FRAME
	R11-2	48"WX30"H	WHITE BACKGROUND BLACK LETTERS BLACK BORDER	ON BARRICADE

Place these signs on both
sides of the road for steel
plates left overnight. Follow
Standard Details Section
1.07.23(1) Construction Under
Traffic Section 3 D

ROAD CLOSURE/DETOUR PLAN
PENNY LANE
ICHIJO USA CO., LTD.
1406-140TH PLACE NE, SUITE 104
BELLEVUE, WA 98007



Anderson
Park

Requested
road closure

Penny Lane
Development

N



Memorandum

Date: 5/11/2021

Meeting of: Committee of the Whole - Planning and Public Works

File No. CM 21-169

Type: Committee Memo

TO: Committee of the Whole - Planning and Public Works

FROM: Mayor Angela Birney

DEPARTMENT DIRECTOR CONTACT(S):

Executive	Mayor Angela Birney	425-556-2101
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DEPARTMENT STAFF:

Executive	Malisa Files	Chief Operating Officer
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TITLE:

Approval of the Addition of Executive Deputy Director Position to the Non-Represented Pay Plan

On April 6, 2021, staff recommended adding two Deputy Director positions to the non-represented pay plan. When assessing the need for Deputy Directors, staff analyzed the administration of the departments, the span of control for directors and succession planning. All departments in the City have either one or two Deputy Directors with the exception of the Executive and the Technology and Information Services (TIS). Council approved the TIS Deputy Director. The Executive Department Deputy Director will play a significant role in the department structure, including:

- Providing administration and management of department day-to-day operations, leaving the Chief Operating Officer (COO) able to concentrate on policy, strategic, personnel and regional issues.
- Supporting the COO by managing five divisions within the Executive Department, including: City Clerk, Prosecutors Office, Communications, Marketing and Community Outreach, Environmental Sustainability and Diversity, Equity, and Inclusion.
- Overseeing internal communications and providing support for the Mayor's external communications.
- Allowing the COO to focus on the management of seven Department Directors and move citywide programs, included in the Community Strategic Plan, forward to support the City's vision. The size and breadth of the COO workload is problematic without having additional management support (please see Attachment A for current and potential future organizational charts of the Executive Department).
- Ensuring succession planning is a goal of the City and is a best administrative practice. The City has experienced the difficulty of personnel transitions, at the director level, when a director leaves and there is no qualified individual to take their place. The problem is solved, in the short term, by asking a Director of another department to act as interim management while the City chooses a new leader. Given the size and complexity of departments, it is challenging for one director to wear two hats and make sure each department continues to make progress on their workplan.

☒ **Additional Background Information/Description of Proposal Attached**

REQUESTED ACTION:

☐ Receive Information ☒ Provide Direction ☐ Approve

REQUEST RATIONALE:

- **Relevant Plans/Policies:**
Pay plans for each union and non-represented category.
- **Required:**
Under the Revised Code of Washington (RCW) 35a.34.070 requires the City Council to "...set forth the salary and salary ranges for each office, position or job classification together with the title or position designation thereof. However, salaries may be set out in total amounts under each department if a detailed schedule of such salaries and positions are attached and made a part of the budget document." Although the City does not present the pay plans in the budget, they are approved by Council by ordinance which is an acceptable practice under the rules set by the State Auditor's Office. In addition, the City's Personnel Manual 7.10 also requires Council to approve changes in Pay Plans
- **Council Request:**
N/A
- **Other Key Facts:**
N/A

OUTCOMES:

The outcome sought from Council is to add the Executive Deputy Director to the non-represented pay plan. The Department is not asking for an additional FTE. The Mayor and Chief Operating Officer have analyzed several reorganization ideas and were able to identify efficiencies that allow the Department to free up an FTE to move into the Deputy role without requiring additional staffing. The new position will manage the five Executive Department Divisions, as mentioned above. They will become the expert on the lines of business and work to move the goals established by the Mayor and City Council.

COMMUNITY/STAKEHOLDER OUTREACH AND INVOLVEMENT:

- **Timeline (previous or planned):**
N/A
- **Outreach Methods and Results:**
N/A
- **Feedback Summary:**
N/A

BUDGET IMPACT:

Total Cost:

Under the City's Personnel Policies, an employee who is promoted receives a 7% increase in their base salary.

Approved in current biennial budget: ☐ Yes ☒ No ☐ N/A

Budget Offer Number:

The Executive Department budget is represented in several budget offers, including:

- Offer No. 220 Environmental Sustainability
- Offer No. 141 Criminal Justice
- Offer No. 323 Diversity, Equity, and Inclusion
- Offer No. 234 Citywide Communications
- Offer No. 233 Community Outreach and Involvement
- Offer No. 237 Executive Leadership
- Offer No. 238 City Council

Budget Priority:

The budget offers above are represented in the priorities of Healthy and Sustainable, Safe and Resilient and Strategic and Responsive.

Other budget impacts or additional costs: ☐ Yes ☐ No ☒ N/A

If yes, explain:

N/A

Funding source(s):

The Executive Department administration is supported by the General Fund.

Budget/Funding Constraints:

N/A

☐ Additional budget details attached

COUNCIL REVIEW:

Previous Contact(s)

Date	Meeting	Requested Action
3/23/2021	Committee of the Whole - Finance, Administration, and Communications	Provide Direction
4/6/2021	Business Meeting	Approve
4/27/2021	Committee of the Whole - Finance, Administration, and Communications	Provide Direction

Proposed Upcoming Contact(s)

Date	Meeting	Requested Action
5/18/2021	Business Meeting	Approve

Time Constraints:

The Executive Department would like to put the organizational changes in place as soon as possible to make sure the programs, issues, challenges, and initiatives move forward in an appropriate manner.

ANTICIPATED RESULT IF NOT APPROVED:

If this proposal is not approved the Executive Department organization will not be changed and activities will be analyzed to determine what programs will be put on hold or moved to the next biennium.

ATTACHMENTS:

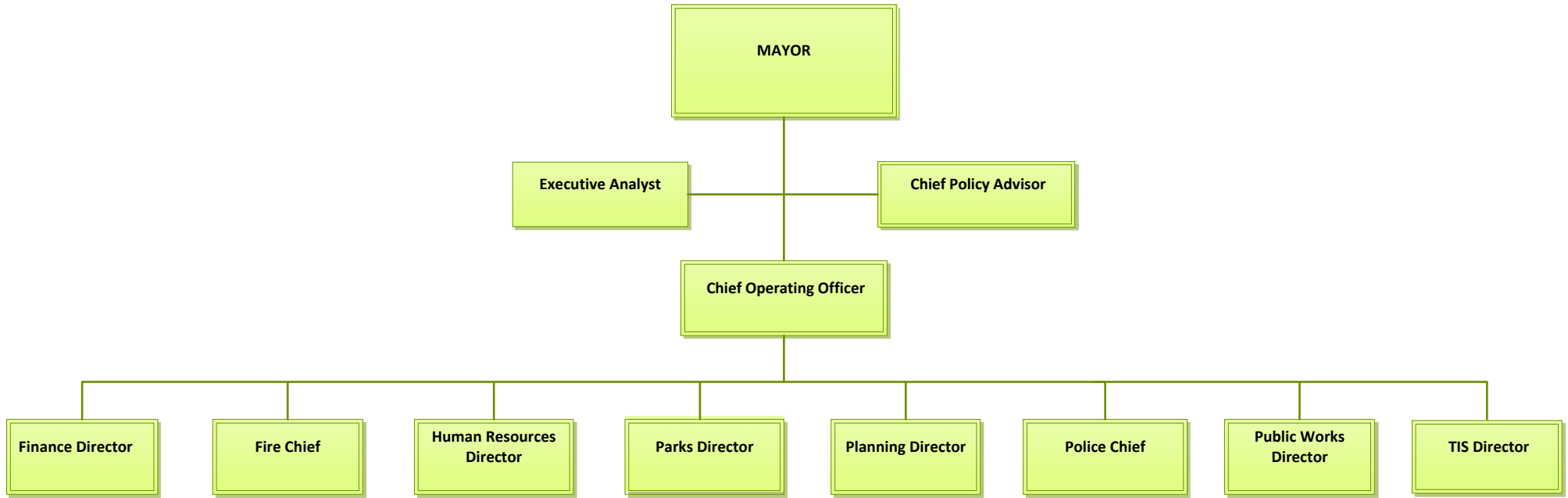
Attachment A: Current Executive Department Organizational Chart

Attachment B: Revised Executive Department Organizational Chart with Deputy

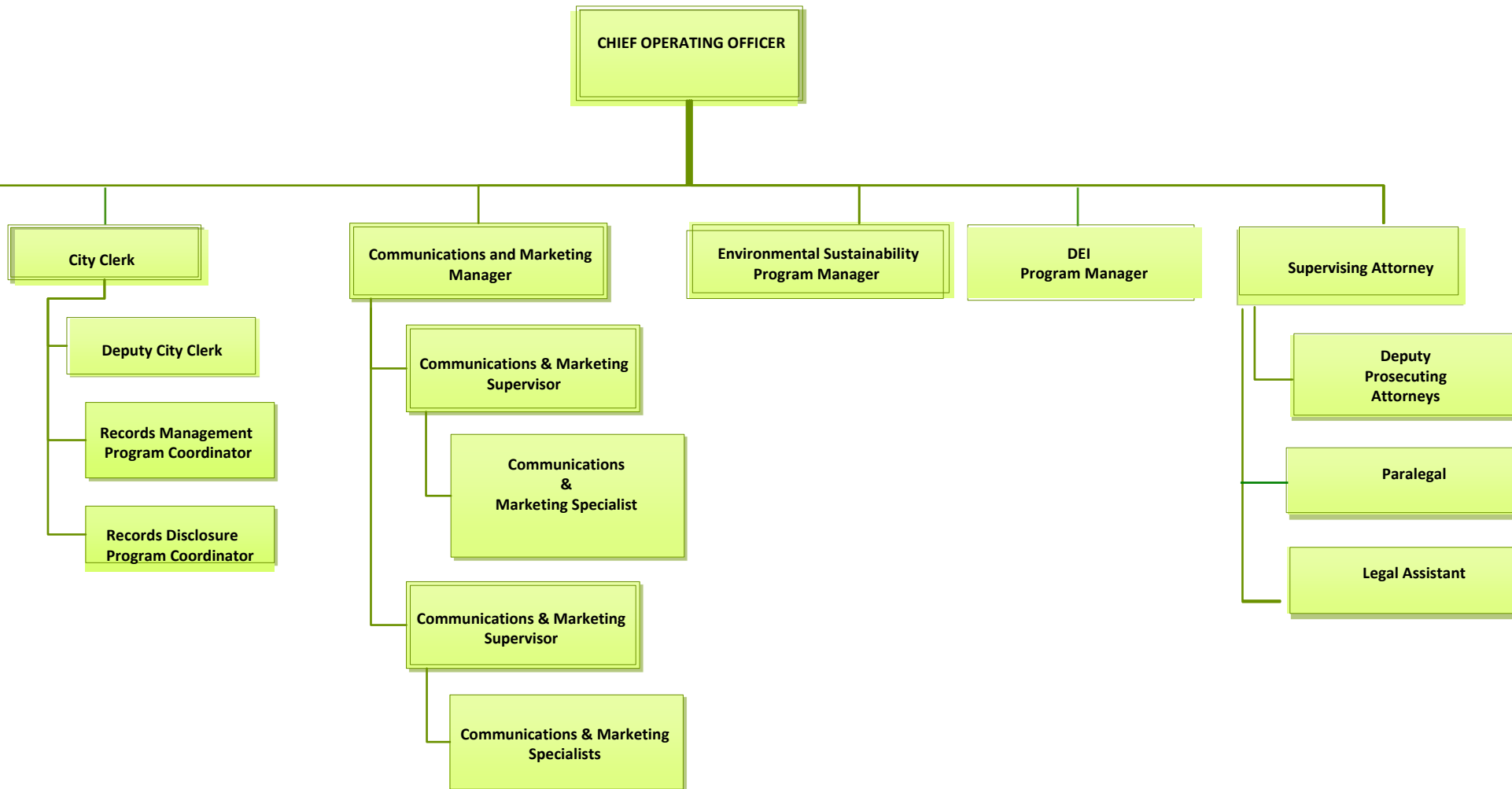
Attachment C: Non-Represented Pay Plan

Attachment A

EXECUTIVE - Mayor's Direct Reports

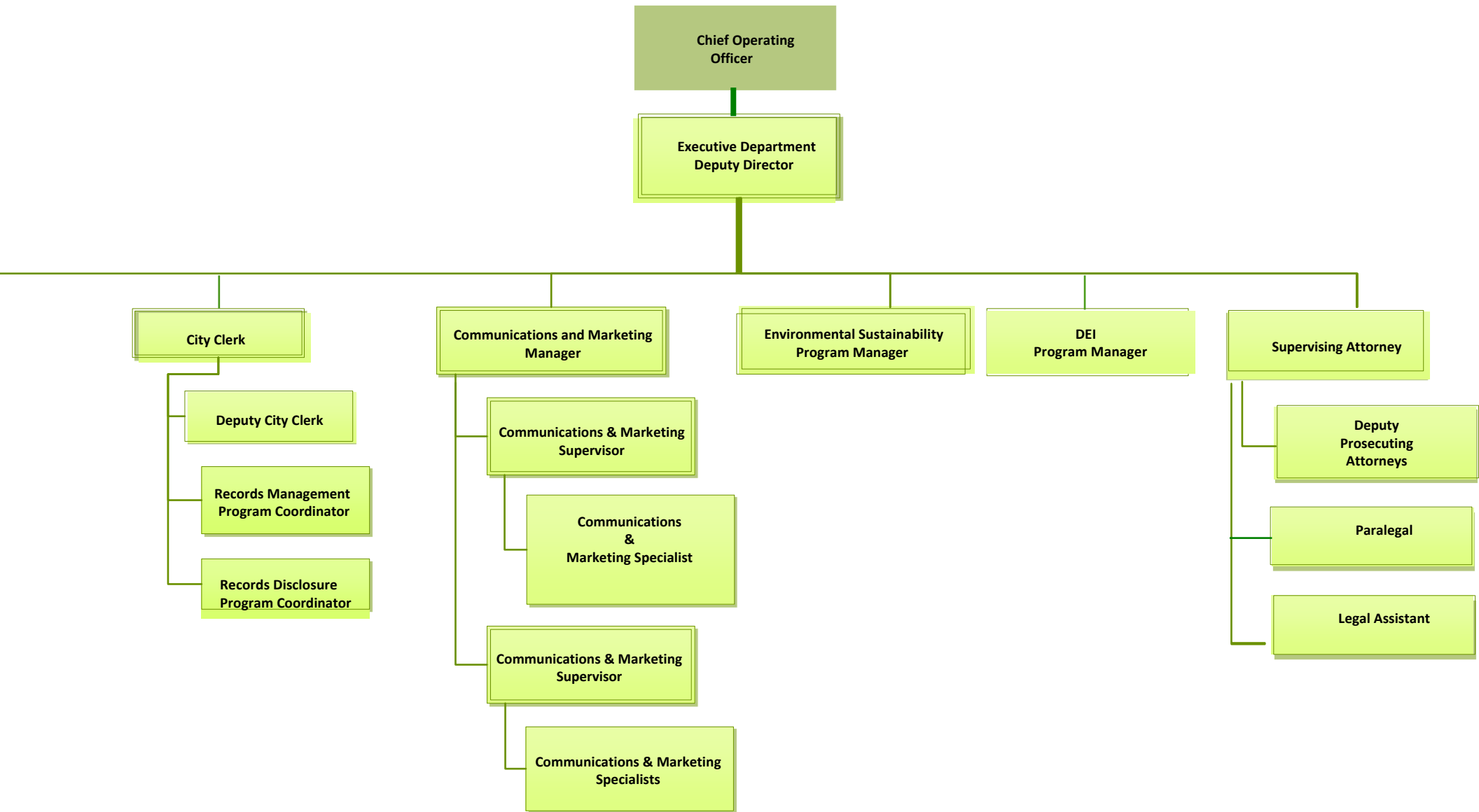


EXECUTIVE



EXECUTIVE - Mayor's Direct Reports





2021 Pay Plan "N" - Non-Represented Employees

Ordinance No.

Effective

			Monthly			Annually		
Grade	FLSA	Position Title	Minimum	Midpoint	Maximum	Minimum	Midpoint	Maximum
NE68	NE	Accounting Associate - Senior	\$4,995	\$5,869	\$6,743	\$59,940	\$70,428	\$80,916
NA10	NE	Administrative Assistant	\$4,195	\$4,930	\$5,664	\$50,340	\$59,160	\$67,968
NA20	NE	Administrative Specialist	\$4,545	\$5,341	\$6,137	\$54,540	\$64,092	\$73,644
NA45	E	Assistant Director - Community Planning	\$9,759	\$11,467	\$13,174	\$117,108	\$137,604	\$158,088
NA46	E	Assistant Director - Development Services	\$9,907	\$11,642	\$13,376	\$118,884	\$139,704	\$160,512
NA50	E	Assistant Director Public Works, Maint. & Ops.	\$9,807	\$11,524	\$13,240	\$117,684	\$138,288	\$158,880
NA85	E	Assistant Director/City Engineer	\$10,076	\$11,839	\$13,602	\$120,912	\$142,068	\$163,224
NA70	E	Assistant Maintenance Manager	\$8,217	\$9,655	\$11,093	\$98,604	\$115,860	\$133,116
NM80	E	Chief Policy Advisor	\$9,903	\$11,637	\$13,371	\$118,836	\$139,644	\$160,452
NC01	E	City Clerk	\$7,899	\$9,280	\$10,661	\$94,788	\$111,360	\$127,932
NC15	E	Communications and Marketing Manager	\$8,555	\$10,052	\$11,549	\$102,660	\$120,624	\$138,588
NC60	E	Communications and Marketing Supervisor	\$7,230	\$8,495	\$9,760	\$86,760	\$101,940	\$117,120
NC05	E	Communications Dispatch Supervisor	\$6,725	\$7,903	\$9,080	\$80,700	\$94,836	\$108,960
NC20	E	Community Support Administrator	\$6,558	\$7,706	\$8,853	\$78,696	\$92,472	\$106,236
NC50	E	Customer Experience Manager	\$7,599	\$8,929	\$10,259	\$91,188	\$107,148	\$123,108
ND01	NE	Department Administrative Coordinator	\$5,324	\$6,256	\$7,188	\$63,888	\$75,072	\$86,256
TBD	E	Deputy Executive Department Director	\$9,652	\$11,340	\$13,028	\$115,824	\$136,080	\$156,336
ND15	E	Deputy Finance Director	\$9,652	\$11,340	\$13,028	\$115,824	\$136,080	\$156,336
NA60	E	Deputy Fire Chief	\$11,071	\$13,009	\$14,946	\$132,852	\$156,108	\$179,352
ND02	E	Deputy Human Resources Director	\$9,652	\$11,340	\$13,028	\$115,824	\$136,080	\$156,336
ND05	E	Deputy Parks Director	\$9,251	\$10,870	\$12,489	\$111,012	\$130,440	\$149,868
ND35	E	Deputy Planning & Community Development Director	\$10,161	\$11,940	\$13,718	\$121,932	\$143,280	\$164,616
ND20	E	Deputy Prosecuting Attorney	\$7,434	\$8,735	\$10,035	\$89,208	\$104,820	\$120,420
ND40	E	Deputy Public Works Director/City Engineer	\$10,685	\$12,555	\$14,424	\$128,220	\$150,660	\$173,088
TBD	E	Deputy Technology & Information Services Director	\$10,993	\$12,917	\$14,840	\$131,916	\$155,004	\$178,080
ND25	E	Development Services Center Supervisor	\$7,570	\$8,895	\$10,219	\$90,840	\$106,740	\$122,628
TBD	E	Diversity, Equity & Inclusion Program Manager	\$6,933	\$8,146	\$9,359	\$83,196	\$97,752	\$112,308
NE01	E	Emergency Preparedness Manager	\$8,547	\$10,043	\$11,538	\$102,564	\$120,516	\$138,456
NE20	E	Engineer - Senior	\$8,328	\$9,786	\$11,243	\$99,936	\$117,432	\$134,916
NE30	E	Engineering Manager	\$9,611	\$11,293	\$12,974	\$115,332	\$135,516	\$155,688
NE50	E	Engineering Supervisor	\$8,801	\$10,341	\$11,880	\$105,612	\$124,092	\$142,560
NE68	NE	EPSCA Senior Accounting Associate	\$4,995	\$5,869	\$6,743	\$59,940	\$70,428	\$80,916
NE45	E	Executive Analyst	\$6,232	\$7,323	\$8,413	\$74,784	\$87,876	\$100,956
NF70	E	Facilities Manager	\$8,156	\$9,584	\$11,011	\$97,872	\$115,008	\$132,132
NF20	E	Financial Analyst	\$5,887	\$6,918	\$7,949	\$70,644	\$83,016	\$95,388
NF30	E	Financial Analyst - Senior	\$7,026	\$8,256	\$9,485	\$84,312	\$99,072	\$113,820
NF40	E	Financial Planning Manager	\$8,793	\$10,333	\$11,872	\$105,516	\$123,996	\$142,464
NF60	E	Financial Services Manager	\$8,722	\$10,248	\$11,774	\$104,664	\$122,976	\$141,288
NF65	E	Financial Services Supervisor	\$6,375	\$7,491	\$8,606	\$76,500	\$89,892	\$103,272
NH10	NE	Human Resources Analyst	\$5,965	\$7,009	\$8,053	\$71,580	\$84,108	\$96,636
NH15	E	Human Resources Manager	\$8,490	\$9,976	\$11,462	\$101,880	\$119,712	\$137,544
NI01	E	Inspection Supervisor	\$7,070	\$8,307	\$9,543	\$84,840	\$99,684	\$114,516
NI10	E	IS Manager	\$9,858	\$11,583	\$13,308	\$118,296	\$138,996	\$159,696
NI20	E	IS Supervisor	\$8,836	\$10,383	\$11,929	\$106,032	\$124,596	\$143,148
NM15	E	Maintenance and Operations Supervisor	\$7,532	\$8,850	\$10,167	\$90,384	\$106,200	\$122,004
NM01	E	Maintenance Manager	\$9,167	\$10,771	\$12,375	\$110,004	\$129,252	\$148,500
NP02	E	Park Maintenance and Operations Manager	\$7,635	\$8,971	\$10,307	\$91,620	\$107,652	\$123,684
NP10	E	Parks Maintenance and Operations Supervisor	\$6,547	\$7,692	\$8,836	\$78,564	\$92,304	\$106,032
NP25	E	Parks Planning and Cultural Arts Manager	\$8,194	\$9,628	\$11,062	\$98,328	\$115,536	\$132,744
NP30	E	Payroll Supervisor	\$6,370	\$7,485	\$8,599	\$76,440	\$89,820	\$103,188
NP50	E	Planning Manager	\$8,832	\$10,378	\$11,924	\$105,984	\$124,536	\$143,088



2021 Pay Plan "N" - Non-Represented Employees

Ordinance No.

Effective

			<u>Monthly</u>			<u>Annually</u>		
Grade	FLSA	Position Title	Minimum	Midpoint	Maximum	Minimum	Midpoint	Maximum
NA80	E	Police Captain	\$12,514	\$13,141	\$13,768	\$150,168	\$157,692	\$165,216
NP67	NE	Police Crime Analyst (limited duration)	\$5,781	\$6,648	\$7,515	\$69,372	\$79,776	\$90,180
NP69	NE	Police Program Coordinator (limited duration)	\$4,639	\$5,888	\$7,137	\$55,668	\$70,656	\$85,644
NP71	E	Police Support Services Manager	\$7,690	\$9,036	\$10,381	\$92,280	\$108,432	\$124,572
NP68	E	Police Support Services Supervisor	\$6,443	\$7,570	\$8,697	\$77,316	\$90,840	\$104,364
NP95	E	Project Management Office Manager	\$10,822	\$12,716	\$14,610	\$129,864	\$152,592	\$175,320
NP90	E	Purchasing/Contracting Manager	\$8,525	\$10,017	\$11,509	\$102,300	\$120,204	\$138,108
NR01	E	Real Property Manager	\$7,470	\$8,778	\$10,085	\$89,640	\$105,336	\$121,020
NR10	E	Recreation Division Manager	\$8,127	\$9,549	\$10,971	\$97,524	\$114,588	\$131,652
NR15	E	Recreation Program Administrator	\$6,398	\$7,518	\$8,637	\$76,776	\$90,216	\$103,644
NR20	E	Recreation Program Manager	\$6,926	\$8,138	\$9,349	\$83,112	\$97,656	\$112,188
NR60	NE	Risk & Safety Program Coordinator	\$6,056	\$7,116	\$8,176	\$72,672	\$85,392	\$98,112
NS40	E	Safety Program Manager	\$6,933	\$8,147	\$9,360	\$83,196	\$97,764	\$112,320
NS50	E	Security Compliance Manager	\$10,128	\$11,900	\$13,671	\$121,536	\$142,800	\$164,052
NS03	E	Senior Human Resources Analyst	\$6,948	\$8,164	\$9,379	\$83,376	\$97,968	\$112,548
NS10	E	Supervising Attorney	\$9,787	\$11,500	\$13,212	\$117,444	\$138,000	\$158,544
NU10	E	Utility Supervisor	\$8,067	\$9,479	\$10,891	\$96,804	\$113,748	\$130,692



Memorandum

Date: 5/11/2021

Meeting of: Committee of the Whole - Planning and Public Works

File No. CM 21-178

Type: Committee Memo

TO: Committee of the Whole - Planning and Public Works

FROM: Mayor Angela Birney

DEPARTMENT DIRECTOR CONTACT(S):

Public Works	Dave Juarez	425-556-2733
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DEPARTMENT STAFF:

Public Works	Jessica Atlakson	Environmental Geologist
Public Works	Amanda Balzer	Science and Data Analytics Supervisor

TITLE:

Redmond Paired Watershed Study Trend Analysis Results Staff Report

OVERVIEW STATEMENT:

Council will be provided with the results and key findings from the first four years of monitoring of the Redmond Paired Watershed Study (RPWS). The RPWS measures the effectiveness of efforts taken by Redmond and King County to restore urban streams and is funded through the Stormwater Action Monitoring Program.

☒ **Additional Background Information/Description of Proposal Attached**

REQUESTED ACTION:

☐ **Receive Information**

☒ **Provide Direction**

☐ **Approve**

REQUEST RATIONALE:

- **Relevant Plans/Policies:**
Community Strategic Plan, Comprehensive Plan, Environmental Sustainability Action Plan, Redmond Watershed Management Plan
- **Required:**
NPDES Permit WAR04-5538, Section S8.
The current contracts for the RPWS expire on December 31, 2021.
- **Council Request:**
NA
- **Other Key Facts:**
The Redmond Paired Watershed Study (RPWS) and partnership between King County, Herrera Environmental Consulting (Herrera), and Redmond started in 2014 to measure the health of streams in Redmond and

unincorporated King County. The goal of the RPWS is to measure the effectiveness of actions taken by Redmond's Stormwater Utility and King County to restore urban streams on a watershed scale. The City is focusing restoration efforts in priority watersheds identified in the 2013 Watershed Management Plan.

Many studies have occurred nationally that measure the declining health of streams after urbanization of a watershed. This Study does the opposite by measuring the health of streams in already urbanized watersheds and the impact local governments can have in trying to restore the urban streams to good health.

The effectiveness monitoring to date has established baseline conditions in seven streams. The Study is 'paired' because it measures the health of streams that either:

1. Redmond and King County are working to improve,
2. Are not targeted for improvement, or
3. Are relatively pristine and located in Redmond's Watershed Preserve Park.

By 'pairing' watersheds, it will be easier to identify if actions taken by Redmond and King County specifically made an improvement in stream health.

OUTCOMES:

This staff report will summarize results from monitoring performed over the first four years of RPWS implementation; including lessons learned from retrofit installations of stormwater detention vaults in the Evans Creek watershed and documented improvements in water quality from increased street sweeping frequency in the Monticello Creek watershed.

COMMUNITY/STAKEHOLDER OUTREACH AND INVOLVEMENT:

- **Timeline (previous or planned):**
N/A
- **Outreach Methods and Results:**
N/A
- **Feedback Summary:**
N/A

BUDGET IMPACT:

Total Cost:

\$407,005 (current biennial budget)

Approved in current biennial budget:

☒ Yes

☐ No

☐ N/A

Budget Offer Number:

000214

Budget Priority:

Healthy and Sustainable

Other budget impacts or additional costs:

☐ Yes

☒ No

☐ N/A

If yes, explain:

N/A

Funding source(s):

100% grant funded through the Stormwater Action Monitoring (SAM) Program

The RPWS is planned to continue through 2025 with 100% funding from the SAM program, which is a collaborative stormwater monitoring program in Western Washington funded by Phase I and II municipal stormwater permittees and administered by the Washington Department of Ecology. Redmond pays into the SAM program as part of the fee requirements for the City's stormwater permit.

Budget/Funding Constraints:

N/A

☒ **Additional budget details attached**

COUNCIL REVIEW:

Previous Contact(s)

Date	Meeting	Requested Action
11/19/2019	Business Meeting	Approve

Proposed Upcoming Contact(s)

Date	Meeting	Requested Action
5/11/2021	Committee of the Whole - Planning and Public Works	Provide Direction
6/1/2021	Business Meeting	Receive Information

Time Constraints:

The contracts for the RPWS will need to be amended every two years to align with multi-agency budget cycles and secured funding by all parties. Council is being provided with background information in preparation for approval of amendments to the existing contracts for the RPWS in 4Q 2021.

ANTICIPATED RESULT IF NOT APPROVED:

N/A

ATTACHMENTS:

Attachment A: RPWS Introduction Factsheet

Attachment B: RPWS Trend Analysis Factsheet

Attachment C: RPWS Budget and Grant Funding

Lead Entity

City of Redmond

Partners

City of Seattle,
King County,
Kitsap County, U.S.
Environmental
Protection Agency,
U.S. Geological
Survey, Washington
State Department
of Ecology,
and Herrera
Environmental
Consulting

*Collectively
improving
stormwater
management*

Stormwater Action Monitoring (SAM) is a collaborative, regional stormwater monitoring program that is funded by more than 90 Western Washington cities and counties, the ports of Seattle and Tacoma, and the Washington State Department of Transportation. SAM's goal is to improve stormwater management to reduce pollution, improve water quality, and reduce flooding. We do this by measuring stormwater impacts on the environment and evaluating the effectiveness of stormwater management actions.

Questions about SAM?
Send an email to
SAMinfo@ecy.wa.gov

Study question

This ten-year study sets out to answer: how effective are combined stormwater retrofits and other watershed-scale rehabilitation efforts at improving habitat and water quality conditions in receiving waters?

Many individual stormwater management techniques have been tested and proven to improve stormwater quality and reduce environmental impacts. But it is not currently known whether our collective stormwater management practices are effective at recovering the health of urban streams. The City of Redmond is accelerating the installation of stormwater facilities in selected areas ahead of the rate of development to provide an early example of targeting stormwater controls.



Stormwater management problem

Healthy streams in western Washington have only moderately altered hydrology. For over a century the region has transformed from forest to urban areas. Small stream aquatic biota and habitats are impacted by changes to hydrology and pollutants from runoff.

Until very recently, most of western Washington was developed without what is now considered necessary infrastructure and construction practices to protect aquatic habitat in urban watersheds from stormwater impacts. Local, state, and federal government agencies are implementing various programs and regulations intended to create healthy aquatic habitat in urban areas.

Since 2014, new stormwater management approaches are required to control runoff volumes and reduce pollutants in areas of new development and re-development. Additional retrofitting of older stormwater infrastructure above and beyond current requirements is probably needed to increase the pace and certainty at which urban waterbodies can be recovered to healthy conditions.

Project status and expected findings

This is a long-term effectiveness monitoring project to measure the health of streams as Redmond implements an aggressive retrofitting and restoration program designed to improve in-stream conditions. The project began in 2015 and the first two years of data collection have established baseline conditions in watersheds to be retrofitted and in control watersheds



where retrofits are not planned or funded. In 2017, Redmond began constructing the first retrofit projects and restoration programs. The goal is to get ahead of development and to see measurable improvements in the streams, with the ultimate goal to recover these urban water bodies to healthy conditions within a decade.

Redmond conducted a statistical simulation to choose meaningful metrics and design monitoring to measure trends and assess the health of the study streams. In years 4, 6, 8, and 10 of this project, Redmond will report on trends by summarizing the results of statistical analyses performed on data from all previous years of monitoring. In these reports, Redmond will evaluate potential relationships between the rehabilitation efforts and observed improvements in the receiving water conditions.

Recommendations

This project will continue to gather data that informs the region within the next decade if Redmond's long-term stormwater management strategy in these watersheds is effective at recovering the urban streams.

The paired watershed study design allows for other local governments in western Washington to use the data to measure their effectiveness at recovering urban streams. Local governments could do similar monitoring of streams where they are trying to improve conditions. Data from this study for both control and reference streams can be used in other studies to evaluate in-stream responses. We can differentiate between natural variations and responses to recovery actions.

Other local governments should follow this project. The findings can be used to refine stormwater management programs and will help federal and state agencies assess whether current regulations and program requirements are effectively improving stream conditions in urban areas.

Why does this study matter?

Planning and construction of stormwater retrofitting projects is expensive. Stormwater managers and policy makers want more certainty of success before widespread implementation of these projects. The public wants to know that their tax dollars are being spent to improve conditions in their local water bodies. This study will tell us whether going "all-in" on combined retrofit and restoration projects delivers a return on these investments that is measurable within a decade.

What should we do with this information?

Stormwater managers should continue to gather the information necessary to understand the current conditions in their local receiving waters. Permittees should consider the hydrology and water quality impacts of their municipal separate storm sewer discharges to these water bodies in relation to other problems in their watersheds and, if appropriate, develop programs to target aspects of stormwater management in key areas of these watersheds where receiving water conditions are likely to measurably improve as a result.

What will Ecology do with this information?

Ecology will continue to fund stormwater infrastructure retrofits and other restoration and recovery efforts – particularly those identified and prioritized through science-based planning efforts. Ecology may determine that changes to municipal stormwater permit requirements are needed to meet Clean Water Act goals of protecting and restoring beneficial uses in receiving waters.



Lead Entity

City of Redmond

Partners

King County

Herrera Environmental Consultants, Inc.

Collectively improving stormwater management

Stormwater Action Monitoring (SAM) is a collaborative, regional stormwater monitoring program that is funded by more than 90 Western Washington cities and counties, the ports of Seattle and Tacoma, and the Washington State Department of Transportation. SAM's goal is to improve stormwater management to reduce pollution, improve water quality, and reduce flooding. We do this by measuring stormwater impacts on the environment and evaluating the effectiveness of stormwater management actions.

Questions about SAM?
See ecology.wa.gov/SAM

Study goals

The goal of the Redmond Paired Watershed Study (RPWS) is to evaluate the effectiveness of the following rehabilitation efforts for improving receiving water conditions at the watershed scale:

- Stormwater management retrofits in upland areas that include installation of best management practices (BMPs) for onsite stormwater runoff treatment and flow control.
- Riparian and in-stream habitat improvements.
- Programmatic practices for stormwater management (e.g., more frequent street sweeping).

For more background on the RPWS, see [SAM Fact Sheet #6: Redmond Paired Watershed Study – Status Update](#).

Stormwater management problem

In theory, if all developed land in a watershed were equipped with nonstructural and structural stormwater controls, the receiving water would be protected from hydrologic and water quality impacts caused by urbanization. While the effectiveness of nonstructural and structural controls has been well documented at the site and parcel scale, limited data exist on the effectiveness of these controls in aggregate at the watershed scale to stop degradation and improve conditions in receiving waters.

Redmond's 2014 Citywide Watershed Management Plan (WMP) coordinates stormwater management efforts under the Phase II Municipal Stormwater Permit, Section 303(d) of the Clean Water Act, and salmon recovery efforts to support a watershed approach to improving receiving water conditions. The WMP allows Redmond to focus BMPs in a subset of priority watersheds moderately impacted by urbanization and expected to respond more quickly to rehabilitation efforts. This approach provides a unique opportunity to study the effectiveness of stormwater BMPs for improving receiving water conditions on an accelerated time frame and at a watershed scale.

Project findings

The RPWS experimental design involves routine and continuous measurements of various hydrologic, chemical, physical habitat, and biological indicators of stream health over an extended time frame to quantify improvements in receiving water conditions in response to watershed rehabilitation efforts. Using a "paired watershed" experimental design, these measurements are collected in seven watersheds categorized as follows:

- Three "Application" watersheds with streams that are moderately impacted by urbanization and prioritized for rehabilitation efforts: Evans, Monticello, and Tosh watersheds.
- Two "Reference" watersheds with relatively pristine streams that do not require rehabilitation: Colin and Seidel watersheds.
- Two "Control" watersheds with streams that are significantly impacted by urbanization and not currently prioritized for rehabilitation: Country and Tyler's watersheds.

Monitoring for the study began in 2016 and is anticipated to continue for a 10-year timeframe. In study years 4, 6, 8, and 10, trend analyses reports will summarize analyses to detect potential improving trends in receiving water conditions related to the implementation of rehabilitation efforts. The first trend analysis report (for year 4) of RPWS implementation was recently completed. Major conclusions from annual monitoring and the trend report are as follows:

- Few consistent trends have been detected in the data for each indicator because rehabilitation efforts have been relatively modest in the Application watersheds thus far. Redmond will be constructing projects in the Application watersheds in 2021 that can now be assessed over multiple years of operation and varied climatic conditions relative to an extremely robust data set for baseline conditions.
- An interannual hydrologic trend was detected in the rainfall runoff response across most stations located in the Application, Reference, and Control watersheds. This trend was traced to climate-related changes over the four years. Specifically, progressively drier water years from 2017 to 2019 likely resulted in less saturation of the landscape, increased evapotranspiration, and reduced interflow and overland flow. This confounding trend from the first four years of this 10-year study will need to be accounted for in future analyses to

reliably detect trends driven by hydrologic controls installed in the Application watersheds.

- Two detention vaults constructed in the Evans Creek watershed appeared to provide no measurable flow control benefit based on analyses of the rainfall runoff response in the creek before and after the vaults became operational. The likely explanation is that these two vaults are not treating a sufficient amount of the watershed area to have a detectable impact on flows.
- Total suspended solids (TSS) and total copper (Cu) concentrations consistently and significantly decreased in the Monticello Creek watershed, indicating that the increase in street sweeping frequency (from once to twice per month) on all public roads in the watershed benefitted water quality. These results are also consistent with a street sweeping study that was implemented by Seattle Public Utilities circa 2018.

Recommendations

The RPWS is less than halfway completed. These early findings suggest that to detect changes in receiving water peak flows in any given watershed, a meaningful threshold of flow control implementation is needed. This study aims to quantify these thresholds. Street sweeping should receive increased emphasis as an effective practice for improving receiving water quality.

Why does this study matter?

Ecological function in Puget Sound lowland streams is impaired to a large degree by outdated development practices and a lack of adequate post-construction controls for preventing adverse impacts from stormwater runoff. Information on the level of stormwater retrofit and stream rehabilitation required to restore ecological function in these areas is essential for guiding policies and programs on stormwater and receiving water management.



What will Ecology do with this information?

Ecology will continue to fund infrastructure improvements and maintenance activities, like street sweeping, for Washington's cities and counties to improve stormwater management and protect receiving water quality.

What should we do with this information?

Based on these early project findings, stormwater managers aiming to control TSS and Cu should consider increasing street sweeping. This study helps manage expectations of the public and elected officials at the planning stage by highlighting the time it takes for benefits of retrofits to become measurable. Stormwater managers may also need to identify additional indicators of project impacts or success.

Redmond Paired Watershed Total Budget and Grant Funding

Previous Budget Expenses

Council Approval Date	Amount
11/18/2014	\$ 96,760.00
9/15/2015	\$ 265,680.00
3/1/2016	\$ 935,560.00
11/20/2018	\$ 477,755.00
11/19/2019	\$ 871,094.85

Total: \$ 2,646,849.85

Previous Grant Funding

Council Approval Date	Amount
11/18/2014	\$ 96,760.00
9/15/2015	\$ 265,680.00
3/1/2016	\$ 935,560.00
11/20/2018	\$ 477,755.00
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